The Harkness Files



Volume IX

Kent

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The Harkness Files
Volume IX
Lambton

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Chapter I: Lambton County

The Harkness Files
Volume IX
Lambton

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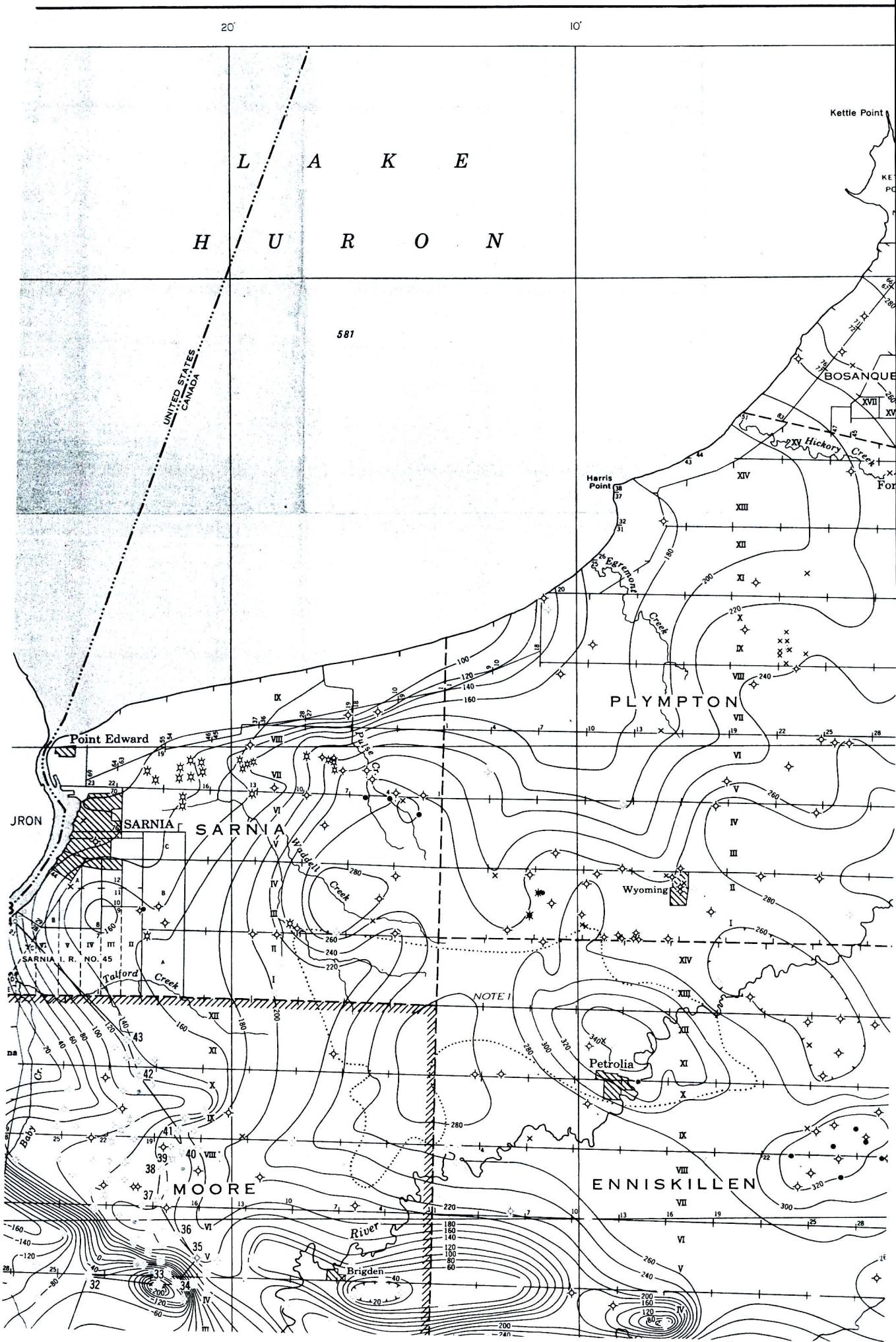
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Point Edward
Pulse Cr.
SARNIA
SARNIA
Wyoming
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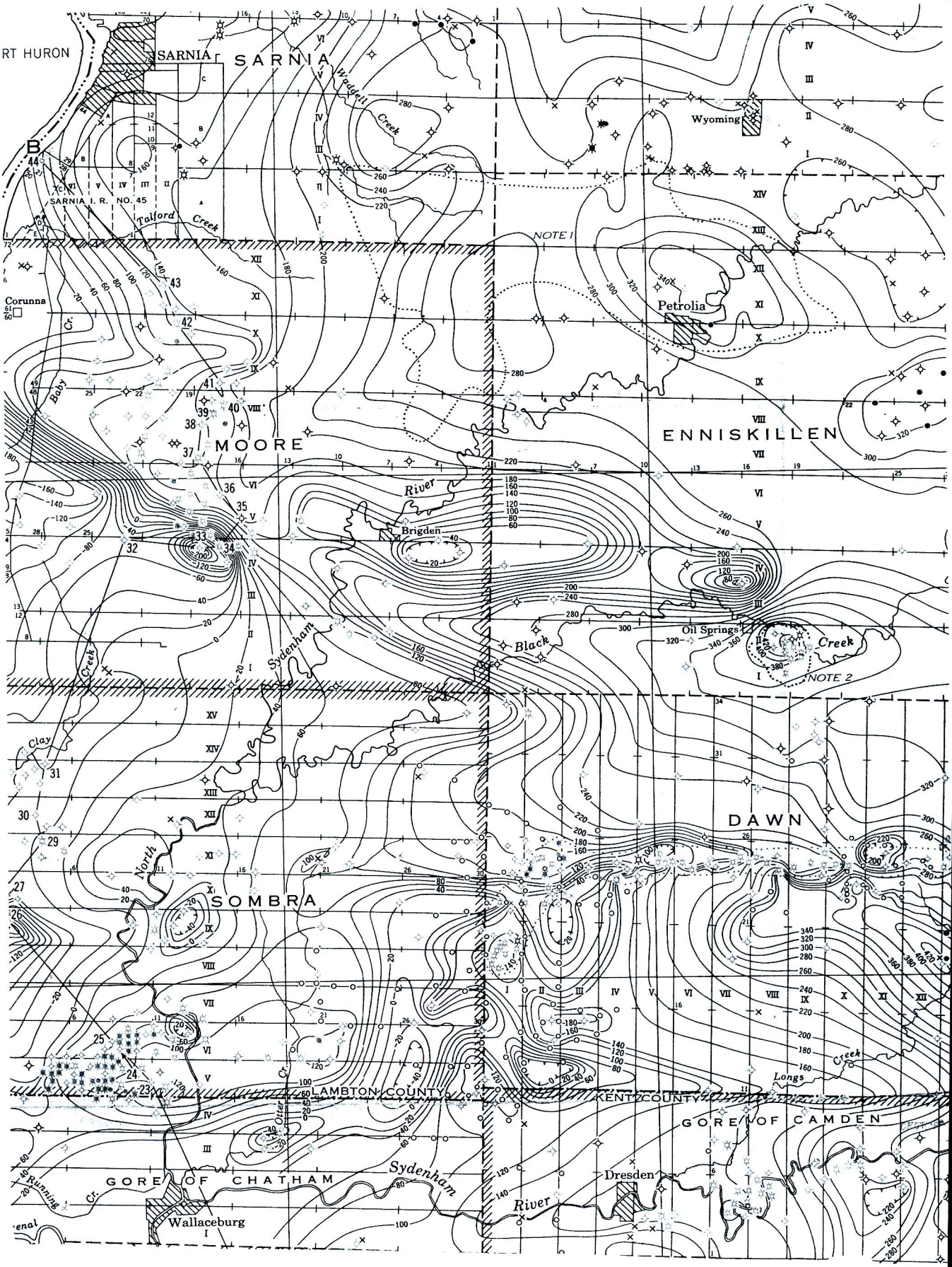
Talford Creek
NOTE 1
Petrolia
ENNISKILLEN
MOORE
Baby Cr.
River
Brigden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MOORE
ENNISKILLEN
River
Brigden
Oil Springs
Black Creek
NOTE 2
Sydenham
Clay
DAWN
North
SOMBRA
Creek
LAMBTON COUNTY
KENT COUNTY
GORE OF CAMDEN
Otter Cr.
Longs Creek
GORE OF CHATHAM
Running Cr.
Sydenham River
Dresden
Wallaceburg

have been used on most leases, the casing and pumps have been carefully watched, and even after the power has been disconnected from a well, it is sometimes pumped or bailed by hand from time to time. Thus the field is unique in its long life, and in the characteristics of its decline.

The best wells at present are found in the comparatively new extension which was developed during 1903 and 1904, in the northeastern part of Moore township. There are still some 200 to 300 wells producing in southeastern Sarnia township, although those in the London Road extension of the field, northeast of Sarnia, have practically all been abandoned. All oil from the Oil Springs and Petrolia fields goes to Sarnia, 16 miles distant, through a 3-inch pipe line for refining at the Imperial Refinery.

The salt water encountered throughout the main Oil Springs and Petrolia pools has diminished in quantity from former years, and is not encroaching at any part of the fields.

Plympton township.—Attempts to extend the Petrolia field into this township resulted in a few wells which produced some oil east of Sarnia, along the London road. With a few exceptions these have been abandoned. Drilling in the vicinity of Wyoming and elsewhere resulted in small shows of oil, and considerable salt water, and was generally successful. There is no production in Plympton township at present. A typical record in this township is as follows:—

Record of well in Lot 15, Concession I, near Wyoming[1].

Material	*Formation*	*Top* Feet	*Bottom* Feet
Surface	Pleistocene	0	104
Black shale	Portage	104	108
Limestone	Hamilton	108	148
Shale		148	178
Limestone		178	193
Shale		193	236
Limestone		236	304
Limestone soft	Onondaga	204	344
Limestone grey		344	380

Small quantities of oil in this well are accompanied by copious flows of saline water.

[1]Brumell, H. P. H., Geol. Survey Canada, Vol. V, Pt. Q, 1889-91, p. 64.

Bosanquet township.—There was some drilling in this township immediately following the discovery of the Petrolia and Oil Springs fields; but no pools were discovered. Showings of gas are reported to have been obtained, however, in the base of the Hamilton formation or top of the Onondaga. A few wells still produce oil on the Kettle Point Indian Reserve, but they are of no importance. An English syndicate which held a lease on this reserve for the extraction of oil from shales, has allowed the lease to lapse, evidently believing the project to be commercially unprofitable, notwithstanding some good laboratory tests made on samples of this shale.

A typical log of the formations in the county is as follows:—

Log of dry hole at Widder Station, Bosanquet Township[1].

Material	*Formation*	*Top* Feet	*Bottom* Feet
Clay	Pleistocene	0	34
Soft shale	Hamilton	34	230
Limestone	Onondaga	230	350
Total depth			350
Show of oil			196

Warwick township.—No oil has been developed in this township. There was some drilling immediately following the discovery of the Petrolia and Oil Springs fields, but no pools were discovered. Showings of gas are reported to have been obtained, however, in the base of the Hamilton formation or top of the Onondaga. Salt wells have been drilled at Kingstones Mills. A well at the Elarton salt works was once sunk to a depth of 1,400 feet. Salt was reported in it from 1,200 to 1,330 feet.

Euphemia pool and township.—In Euphemia township, 40 wells obtained only a small production; the greatest daily production of a single well was one barrel. At present this district produces only about 500 barrels monthly. This pool had only a few wells in 1896, and the production was only 150 to 200 barrels per month. In July, 1912, only about 100 barrels per month were being produced from Euphemia and Dawn townships together. This oil was shipped by wagon to the Bothwell and Newbury stations, from where it went by the Grand Trunk railway to the refinery at London, Ontario.

A typical well record is as follows:—

[1]Geol. Survey Canada, Rept. Prog., 1866, p. 248.

Log of well in Euphemia township[1].

Material	*Formation*	*Top* *Feet*	*Bottom* *Feet*
Surface	Pleistocene	0	58
Shales	Hamilton	58	323
Limestone	Onondaga	323	326
Big flow of salt water			350

Dawn township.—A small pool of oil formerly existed between Langbank and Florence. This pool, together with that in Euphemia township, produced only about 100 barrels per month in 1912.

A typical well record is as follows:—

Log of dry hole in Lot 32, Concession X, Dawn township[2].

Material	*Formation*	*Top* *Feet*	*Bottom* *Feet*
Surface	Pleistocene	0	50
Black shale	Portage	50	120
Limestone, Shale and limestone	Hamilton	190	475
Limestone	Onondaga	475	700
Total depth			700
Salt water			625

Rock-salt is reported to have been struck at 1,100 feet in the vicinity of this well.

Moore township.—Eight wells were drilled at Courtright previous to 1890, but gas was only obtained in three of them. There are about 200 producing wells in the northeast corner of this township, which are probably the best producers in Lambton county at the present time. The wells produce from the same formation as those at Petrolia and Oil Springs, and are of about the average depth. Many wells were formerly drilled in this township in an attempt to extend the Petrolia field. Small shows of gas have been encountered at Courtright in the Onondaga limestone, and salt wells have been drilled through the Onondaga into the Salina formation. Salt wells have also been drilled at Corunna.

[1]Brumell, H. P. H., Geol. Survey Canada, Vol. V, Pt. Q, 1889-91, p. 66.
[2]Brumell, H. P. H., Geol. Survey Canada, Vol. V, Pt. Q, 1889-91, p. 66.

The record of a well drilled by the Courtright Salt Company is as follows: —

Log of salt well at Courtright[1].

(Surface elevation 588 feet)

Material	*Formation*	*Top* *Feet*	*Bottom* *Feet*
Sand, etc.	Pleistocene	0	132
Hard-pan		132	160
Black shale	Portage	160	192
Limestone		192	232
Shale and limestone	Hamilton	232	542
White limestone		542	592
Grey limestone	Onondaga	592	692
White, hard limestone		692	1062
Sandstone (probably dolomite)		1062	1094
Limestone	Salina, including lower part of	1094	1494
Limestone and gypsum	Onondaga	1494	1630
Salt		1630	1652
Gypsum		1652	1665
Total depth			1665
Salt water			680
Casing to			740

Sarnia township.—The Petrolia belt extends west far into Sarnia township. There are about 200 old oil wells, twenty to twenty-five years old, in the southeast corner of Sarnia township, still producing. No wells now exist in the vicinity of Sarnia. The wells north of this town were very small and short-lived. Some good showings of gas have been found at the Imperial refinery near Sarnia at depths of 330 to 515 feet, but all gas wells in that vicinity are abandoned.

The record of a well drilled in 1875 in Sarnia is as follows:—

Log of well at King's Grist Mill[2].

Material	*Formation*	*Top* *Feet*	*Bottom* *Feet*
Sand		0	9
Blue clay	Pleistocene	9	118
Hardpan		118	120
Shale, black	Portage	120	156
Limestone		156	186
Shale		186	449
Limestone	Hamilton	449	454
Shale		454	494
Limestone		494	554
Grey limestone		554	654
Hard limestone	Onondaga, including upper part of	654	1200
Hard and flinty limestone	Salina	1200	1400
Limestone and gypsum		1400	1505
Total depth			1505
Fresh water			120
Small gas			400
Salt water			654
Cased to			495

[1]Brumell, H. P. H., Geol. Survey Canada, Vol. V, Pt. Q, 1889-91, p. 68.
[2]Brumell, H. P. H., Geol. Survey Canada, Vol. V, Pt. Q, 1889-91, p. 69.

To illustrate the non-importance of the wells near Sarnia, it may be mentioned that the production of the Dickens well, which has been reported as the most important in that vicinity, only amounted to 20,000 cubic feet of natural gas per day. The gas was used for lighting several dwellings and street lamps in the immediate vicinity.

Sombra township.—A number of dry holes are known to have been drilled in Sombra township, but information regarding them is not available. It is known, however, that salt wells were drilled some years ago at Port Lambton. No oil has ever been produced.

Brooke township.—No oil has ever been developed in this township. A dry hole was drilled to the Trenton at Inwood. The record is as follows:—

Log of well in Lot 5, Concession IV, at Inwood.

Material	*Formation*	*Top Feet*	*Bottom Feet*
Clay	Pleistocene	0	60
Boulder		60	65
Shales		65	150
Upper limestone		150	165
Upper "soapstone"	Hamilton	165	370
Middle limestone		370	395
Lower "soapstone"		395	420
Limestone	Onondaga	420	535
Dolomites, limestone and marls with gypsum and salt	Salina	535	1835
Limestones and dolomites	Guelph and Niagara	1835	2060
Dark shales		2060	2075
Limestone	Clinton	2075	2110
Red shale	Medina	2110	2550
Light grey shales with limestone	Lorraine	2550	2835
Dark shales	Utica	2835	3000
Limestone	Trenton	3000	3380

Black sulphur water was encountered at 500 feet in the Oil Springs and Petrolia oil rock. Rock salt occurred from 1,410 to 1,655 in a solid bed with only three small layers of limestone, and another rock salt bed from 1810 feet to 1835 feet. No oil, gas or salt water was struck.

Deep tests in Lambton county.—Several deep tests have been drilled in Lambton county, all of which have been failures. The last one was sunk in 1902, to a depth of 3,770 feet, the record of which is given on page 176. Another deep well was started on the Fairbanks property at Oil Springs between the famous Shaw and Bradley wells, on the crest of the main

anticline, in July, 1912. It was being drilled by local capital from Petrolia, to go to the granite.[1]

Wells drilled for salt.—A number of salt wells have been drilled at Sarnia, Corunna, Courtright, Port Franks and other places along Lake Huron and the St. Clair river. The records of a number of these are given elsewhere. The salt is obtained from thick beds in the Salina formation.

Leeds County.

No oil or gas in quantity is believed to exist in Leeds, since the geological conditions are exceedingly unfavourable. The strata occupying the surface throughout the northern half of the country consist mainly of Beekmantown rocks, while in the southern part they are mostly Laurentian and in the intermediate belt the Potsdam sandstones exist. These formations, being low in the geological scale and without cover, are not favorable for prospecting.

Lincoln County.

General statement.—Showings of natural gas have been found at several localities in Lincoln county, but no important field has been developed.

History of developments.—In 1888 a well 2,200 feet deep was sunk on Broderick's farm in lot 4, concession III, Louth township, by the St. Catharines Natural Gas Company. Showings of gas were found in the White Medina sand and in the Trenton limestone, but not sufficient to warrant utilization. Very little development of natural gas has been done since that time in Lincoln county, although a few shallow wells have been drilled at various times.

Formations penetrated in drillings.—The topography of Lincoln county is somewhat peculiar in that it consists, like Niagara county, New York, of a lower and an upper level. The lower level is composed of the pan-handle in which Niagara, Grantham, and Louth townships are situated and also the

[1]This well is reported to have obtained a good flow of oil in the Trenton. Details are not available.

Gore of Camden.—Several wells were drilled at Dresden about twenty years ago and one or two of them showed oil but they did not prove of much value. A general record of the formations penetrated at this place is given on page 157.

Future prospects in Kent county.—As stated in connexion with the various townships, the oil pools of Kent county are practically exhausted with the exception of the new pool in the vicinity of Fletcher, which is producing from a deep sand. The gas pool in the southern part of the county is also producing from the deep sand as practically outlined. Although a few dry holes have been drilled into the Salina formation in other parts of the county, large untested areas of deep sand territory still exist, and presumably areas in which the geological structure may be favourable, and consequently it is to be expected that some small oil or gas pools may be found in the Salina or in other sands in the county.

As stated in the report on this gas field[1] it will presumably be long lived, the opinion being based not only on the rock pressure of the gas, the thickness of the porous formation and the amount of pore space, but also taking into account the fact that the gas field extends under Lake Erie, presumably for a considerable distance, and consequently the higher pressure under the lake will serve to equalize the pressure while using the gas beneath the land.

Pelee Island, Kent county.—In 1912 a deep well was being drilled on Pelee island, and it was said that the Trenton rock had been practically reached; the well was being drilled on the Finlay farm by Messrs. Jasperson and McKay. A little oil had previously been found in shallow wells on that island at a depth of about 750 feet.

Ridgetown, Kent county.—In 1911, a showing of gas was found at a depth of 300 feet in a water well at Ridgetown. The pressure is said to have been 40 pounds per square inch. Similar shallow showings of gas have been found in surface gravels in Kent and other counties.

[1]Mickle, G. R., The Kent gas field, 19th Ann. Rept., Bureau of Mines, Ontario, 1910 Pt. I, pp. 149-152.

Lanark County.

Oil or gas in commercial quantities will never be found in Lanark county, since the county is largely occupied by formations of Laurentian, Potsdam and Beekmantown age, which, being low in the geological scale, and without cover, are unfavourable.

Lambton County.

Description of fields.—The most important oil field in Ontario is the Petrolia field in Enniskillen, Sarnia, and Moore townships. The second most important field, commonly classified as part of the Petrolia field, is the Oil Springs pool in southern Enniskillen township. In addition there have been very small pools developed at Shetland in Euphemia township, near Florence in Dawn township, London Road in Plympton township, and on Kettle point in Bosanquet township.

A small and short lived supply of gas is found at numerous places in the western part of Lambton county, in the gravel and shales which lie underneath the Erie clay, but there is no gas field in the county.

History of developments.—The first attempt at utilizing the petroleum in Lambton county, was in 1859, the effort consisting of the extraction of a liquid from gum oil, which found its way to the surface at Oil Springs in what was known as the gum beds. The first wells were surface wells 4 or 5 feet in diameter, dug to a depth of 40 to 60 feet, reaching a bed of gravel, from which the oil would flow into these. Similar wells were dug at Petrolia.

The first rock drilling in Ontario was by Mr. Tripp at Oil Springs about 1861 in search of water. The procedure was to sink and crib a shaft four feet in diameter to the rock in order to protect it from caving. After the cribbing period in the Petrolia fields the surface materials were bored through with an auger. Most of the drilling was done by hand power. In the winter of 1861-2 some very productive flowing wells were struck, the first by James Shaw on February 19, 1862, and several produced

thousands of barrels each per day. Naturally, since these wells were obtained rather unexpectedly, the greater part of the oil was lost through flowing into the creek on account of lack of storage facilities.

At one time there were at least twenty flowing wells in the field. The nearest railway station was then at Wyoming, twelve miles distant, and naturally there was not such great excitement as occurred in other fields which were easier of access. The transportation problem at first was difficult. A few thousand barrels of oil were floated down the creek, but then a plank road was built to the railway and the oil hauled out by wagon. It was manifestly impossible to provide adequate facilities as rapidly as needed, and there was great waste of oil. The flowing wells changed to pumpers in a year or two and water frequently took the place of oil. Some years later Oil Springs became practically deserted.

Petrolia was settled in 1839. Oil was first struck in 1862 at 160 feet in a water well. The principal development was about 1865, within the present corporation limits, but no flowing wells were obtained until 1866, when they were struck in what was known as the King district a little west of the present town. In this field the production of single wells sometimes ran as high as 400 barrels per day. At Oil Springs, however, one well, known as the Black and Mathewson well, flowed about 6,000 barrels per 24 hours for a few days. In the Petrolia fields the wells changed to pumpers in a short time.

As in many oil towns, an oil exchange was opened in Petrolia in the early days, the object being for buyers to meet at a certain hour every day, as in a stock exchange.

The first refinery was established at Petrolia about 1861, being one of the first refineries in Canada. In the winter of 1867-8 the Great Western railway was built to that town, making it possible to transport the oil in tank cars. Originally much oil was exported to England, but this business dropped off on account of the better and cheaper oil produced in the United States.

There were formerly eight large refineries in the vicinity of Petrolia, the output of which, when operating to capacity,

would be between 5,000 and 6,000 barrels of refined oil per week. The Crude Oil and Tanking Company afforded ample facilities for storing crude oil in underground tanks, as also did the Crown Producers Company.

An estimate of the total capital invested in the oil business in the Petrolia-Oil Springs district in 1887 was $2,750,000, divided as follows:—

Cost of wells, exclusive of the value of land	$1,500,000
Cost of engines, and other machinery to run the wells	300,000
Storage tanks	150,000
60 miles of pipe line with forging machinery	150,000
The cost of refineries is placed at	500,000
Cooper shops, barrels, chemicals, etc	250,000
Cost of sinking wells, which were sunk some 475 feet, was about	500

Productive formations.—The oil in the Lambton county pools has all been found in the Onondaga limestone. In the Petrolia and Oil Springs fields the pay is struck from 250 to 500 feet below the surface, or about 60 feet from the top of the Onondaga. In character it is a porous dolomitic phase of the limestone, from one to six feet in thickness, brownish and very soft.

Depth of wells and formations penetrated.—In depth the wells of Lambton county range from 300 to 3770 feet. The depth of the oil-bearing stratum is from 250 to 500 feet in the Onondaga limestone, averaging about 65 feet from the top of the formation in the centre of the town of Petrolia. In the Petrolia field the wells average 470 feet in depth, and in the Oil Springs about 370 feet. All wells drilled more than 500 feet deep were failures below that depth.

The best geological data in the county are derived from well logs, which are abundant and occasionally rather detailed. In many of these wells it is difficult to distinguish between the Onondaga and Salina formations; but in others the change is rather marked. The detailed character and changes of the Salina are seldom recorded, however. In the case of the Hamilton formation the term "Upper" and "Middle" limes and "Upper" and "Lower" soapstones are recorded. We must understand, as previously stated, that the term soapstone is not used in the geological sense, but is the drillers' name for a light soapy shale.

A few typical well records of this county are plotted on Figs 16 and 17. The records of the county reveal a thick

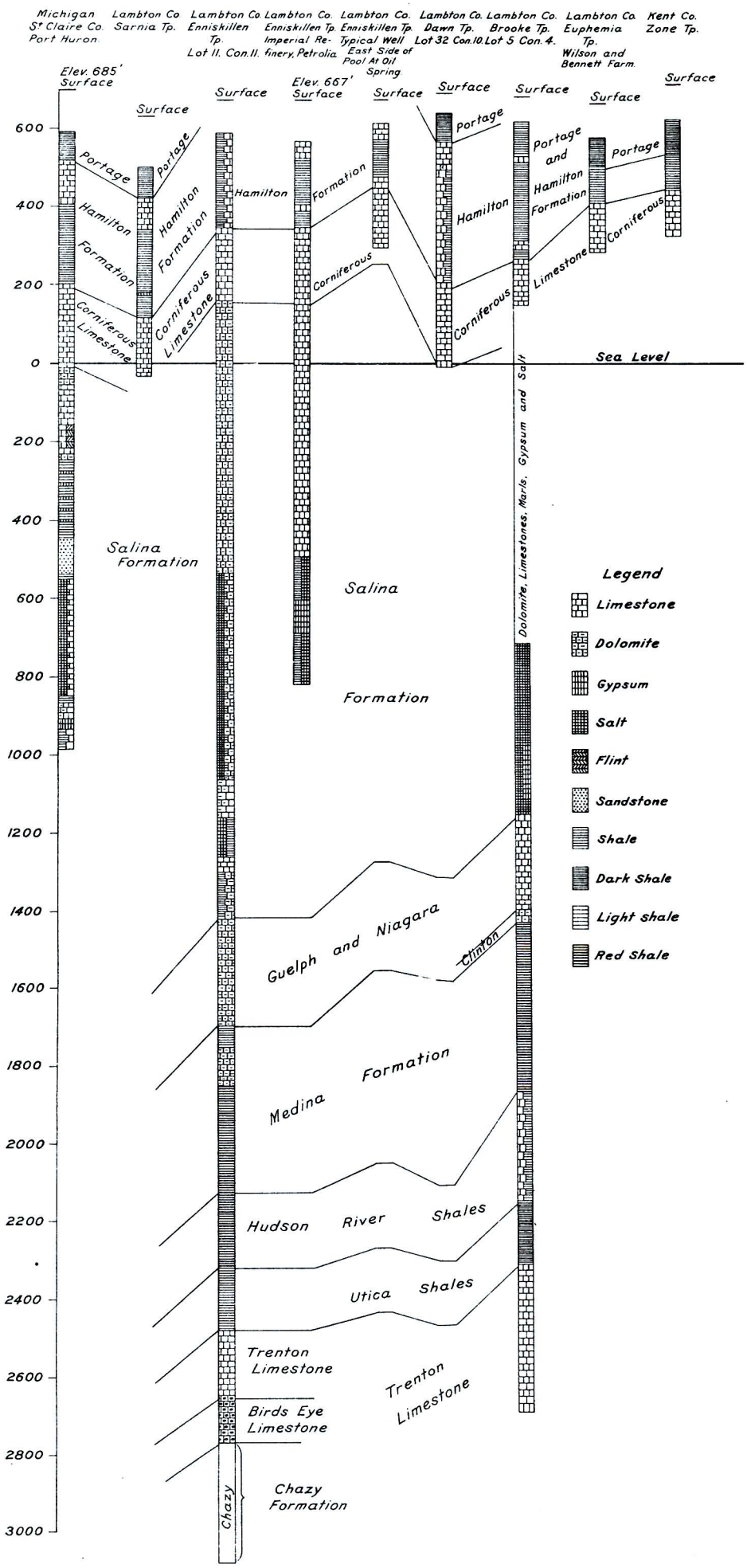

Fig. ■ Selected well logs, showing correlation of formations through

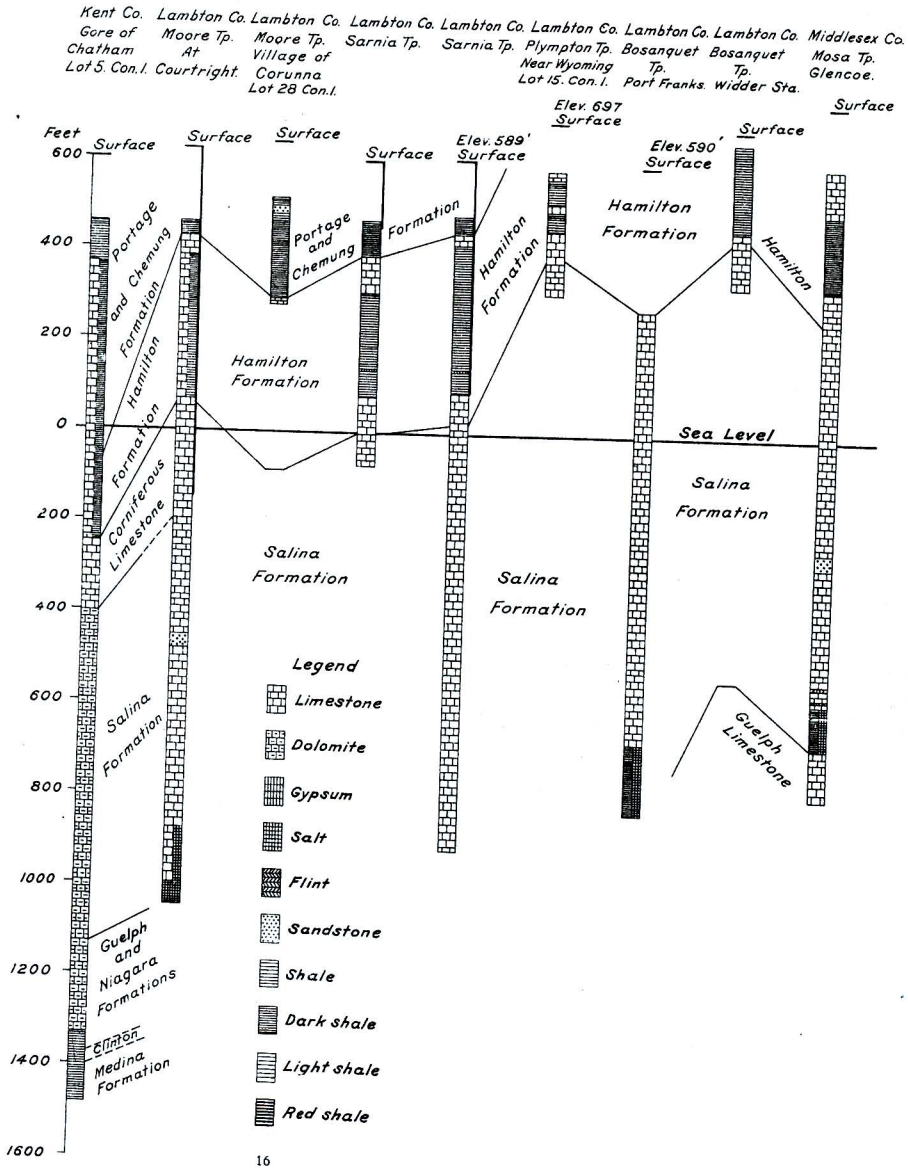

Fig. 3. Selected well logs, showing correlation of formations through Lambton county, Ontario. (By F. G. Clapp and L. G. Huntley)

ness of glacial drift, consisting of 40 to 160 feet of gravel, sand, clay and boulder clay at the surface, resting on the Hamilton and Portage formations, which are the uppermost hard rocks. The Portage is not always present, but occurs in Moore, Sarnia, Sombra, Dawn, and Euphemia townships, sometimes with a thickness as great as 100 to 200 feet of black shale. The Portage rests upon 290 to 400 feet of Hamilton composed alternately of limestone and shales, somewhat as follows:—

General character of Hamilton formation.

Material	*Common thickness*
	Feet
Upper limestone	40
Upper "soapstone"	200
Middle limestone	20
Lower "soapstone"	50

These subdivisions are, however, very variable. The lower limestone is generally classified as part of the Onondaga, which underlies the Hamilton and has a thickness of from 150 to 200 feet, indistinguishable from the top of the Salina. The Onondaga is a hard limestone, in the upper part of which the oil occurs.

One of the most interesting formations is the Salina, 1400 to 1600 feet in thickness, consisting of alternations of limestone, gypsum, salt, dolomite, and shale. In some parts of the county great thicknesses of rock salt are penetrated in this formation, and many salt wells exist.

While no oil is found in Lambton county below the Onondaga limestone, a few deep tests have been made through the Salina and even the underlying formations, rendering valuable knowledge of the underground conditions. Under the Salina these wells penetrate 220 to 300 feet of Guelph and Niagara limestones and shales, 60 to 400 feet of Medina shales, mainly red in colour, 200 to 300 feet of Lorraine shales, 150 to 200 feet of Black Utica shale, and then the Trenton limestone. This has been penetrated by wells to a depth of 285 to 400 feet, the lower part probably belonging to the Black River formation of geologists. Below the Black River-Trenton one record penetrates 300 feet of Chazy. Three deep well records are given on Fig. 16, and to describe the formation more minutely the deepest is given below:—

Record of deep well drilled in 1902, on R. I. Bradley Estate, Lot 11, Concession XI, Petrolia pool.

Formation	*Material*	*Top Feet*	*Bottom Feet*
Pleistocene	Surface	0	90
Hamilton	Streaks of limestone and shale	90	330
Onondaga	Limestones	330	520
Salina	Streaks of brown, grey and black dolomite	520	1210
	Salt strata and streaks of dolomite	1210	1640
	Salt strata and streaks of dolomitic limestone	1640	1747
	Salt strata and grey dolomitic lime and shale	1747	2105
Guelph and Niagara	Guelph and Niagara dolomitic limestone	2105	2380
	Niagara shale (red and dark)	2380	2440
Clinton	Clinton	2440	2530
Medina	Red Medina	2530	2805
Utica	Lorraine shales (light)	2805	3010
	Utica shales (dark)	3010	3175
Trenton	Trenton	3175	3345
	Birdeye	3345	3460
	Chazy (Canadian)	3460	3770
	Total depth		3770
	13-inch conductor		98
	7⅝-inch casing		186
	6¼-inch casing		1015

A record which is not so deep, but shows the Portage, is as follows:—

Log of well at Agricultural Works in Sarnia[1].

Formation	*Material*	*Top Feet*	*Bottom Feet*
Pleistocene	Surface	0	130
Portage	Black shale	130	210
	Limestone	210	290
	Shale	290	450
Hamilton	Limestone	450	455
	Shale	455	515
Onondaga	Limestone	515	665
	Total depth		665
	Show of gas		515
	Salt water		645
	Cased to		140
	Plugged at		640

Limestone is struck in the Petrolia field at about 100 feet and it is sometimes 35 to 40 feet thick, with streaks of soapstone. Below the limestone is 120 feet of soapstone which is soft and similar to blue clay. Then comes the middle lime, which averages 15 to 18 feet and is not hard. Below this is the lower soapstone. which is a light shale about 40 feet thick. Then 20 to 80 feet of limestone is encountered.

[1]Brumell, H. P. H., Geol. Survey Canada, Vol. V, Pt. Q, p. 1889-91, p. 70.

Below 400 feet from the surface, the formation is a sandy limestone or calcareous sandstone extending to about 470, where the oil rock is struck. This is brown, soft and porous, some of it being of a honeycomb nature, with occasional crevices into which the tools drop. The best wells in the early days at Petrolia were obtained in crevices.

Casing.—Water in shallow wells in the Petrolia field was generally shut off by casing to an average depth of about 270 feet, to the top of the so-called middle limestone. Several deep tests have been cased to depths of 500 to 1,000 feet, however, some being cased into the Salina formation.

Geological structure of the fields.—In structure the Petrolia field is known to be anticlinal. The formations dip, in a general way, towards the west and south, in that the top of the Onondaga limestone ranges all the way from 200 feet below sea-level in the southwest corner of Sombra township, to sea-level at Corunna, 300 feet above in the Euphemia pool, 450 feet above at Oil Springs, 350 feet above at Petrolia, 400 feet at Wyoming, and 450 feet in parts of Bosanquet township. That the rise and fall of the strata is not entirely regular is shown by the fact that a single bed varies as much as 200 feet in elevation within the limits of a single township.

The Oil Springs and Petrolia pools are known to be separated by a distinct syncline in which no oil exists, since the upper beds of the Hamilton formation are overlain by the black shales of Portage age, which have at Oil City, between Petrolia and Oil Springs, a thickness of 40 feet, and these shales are absent in both the Petrolia and Oil Springs fields.

The top of the dome structure in the strata is near the northwest corner of the town of Petrolia, and the strata descend in all directions.

Production of petroleum.—In 1867 the daily production in the Oil Springs pool ranged from 100 to 7,500 barrels per day per well from 33 flowing wells; there being a total daily production of 55,300 barrels, or an average of 1,600 barrels from a well.

In 1891 there were, in the Petrolia and Oil Springs pools, 2,700 to 3,000 pumping wells with a total annual production

of 600,000 barrels. In 1898, 8,600 wells gave a total monthly production of 57,000 barrels. The production of oil in Lambton county, as elsewhere in Ontario, has declined slowly during the past few years.

Production of Petroleum in Lambton County[1].

DATE.	Petrolia field.	Oil Springs field.	Moore pool.	Plympton pool.	Dawn pool.	Euphemia pool.
1898	513,179	133,366	.....	25,000	5,923	.....
1899	528,641[2]	107,487[3]	.....	.....	.....	.....
1900	501,435	99,019	.....	.....	.....	.....
1901	432,906	76,059	.....	.....	.....	.....
1902	397,628	60,747	.....	.....	.....	.....
1903	350,390	56,405	.....	.....	.....	.....
1904	278,299	75,530	36,971	.....	.....	.....
1905	250,701	78,125	93,815	.....	.....	.....

Production of Petroleum, 1907-1912[1].

Year.	*Barrels.*
1907	304,212
1908	265,368
1909	243,123
1910	205,456
1911	184,450
1912	150,272
Total	1,352,881

The average daily supply from a well in the Petrolia fields in 1890 was 5 or 10 barrels of mixed water and oil, but the oil in this averaged less than a barrel a day. All flowing wells had been abandoned before that time. In the main part of the Petrolia pool, Doctor Fairbanks puts the average present production per well at about 10 gallons per day, in the better managed properties. The wells in the outlying parts of the pool of course reduce this average. Wells are pumped on six days every week.

[1]Gibson, Thos. W., Rept. Bureau of Mines, Ontario, Vol. XXI, Pt. I, 1912, p. 35.
Vol. XXIII, Pt. I, 1913, p. 42.
Min. Res. U.S., 1905, p. 890; 1900, p. 587.
[2]Includes production from Plympton pool.
[3]Includes production from Dawn and Euphemia and from Zone township, Kent county.

The output of petroleum for the last six months of 1887, measured by shipments, which is the only basis for estimating the production in Canada, was the largest ever known in the same length of time, aggregating 510,352 barrels.

Quality of the oil.—The present petroleum from the Oil Springs pool is from 35 to 36 degrees Baumé, while that from the Petrolia pool is from 28 to 31 Baumé. No trouble is experienced from the waxing of rods, or from the formation of sediments either at the surface or underground, except to a small extent in the northwestern part of the field, where salt water is encountered.

The oil in Lambton county is dark brown, and has a density of 0·8695 to 0·8484. The amount of sulphur is 1·5 per cent, but the oil can be successfully cleaned.

Petrolia and Oil Springs fields (*Sarnia and Enniskillen townships*).—The paying wells in Lambton county are confined to a belt running northeast and southwest for about 20 miles, with a width varying from 1 to 4 miles. This belt is situated some 16 miles east of Sarnia and includes the two districts, Petrolia and Oil Springs. The area of the Petrolia field is 26 and of the Oil Springs pool 2 square miles. The length of the original Petrolia field was about eight miles east and west and from half a mile to two and one-half miles in width. In 1890 there were 2,500 wells in the Petrolia field alone. In the Oil Springs pool 244 wells were drilled in one year beginning July 1st, 1887; the total number of wells in operation on July 1, 1888, was 964. In concession I, of Enniskillen, in 1890, there were 258 wells and in concession II there were 206 wells.

A typical oil well in the Petrolia field had the following record:—

Log of well near Imperial Refinery, Petrolia[1].

Material	*Formation*	*Top* Feet	*Bottom* Feet
Surface	Pleistocene	0	104
Upper limestone	Hamilton	104	144
Upper "soapstone"		144	274
Middle limestone		274	289
Middle "soapstone"		289	332
Hard white limestone		332	400
Soft white limestone	Onondaga	400	440
Grey white limestone		440	465
	Total depth		465
	Oil at		465

[1]Geol. Survey Canada, Vol. IV, p. 795.

The following is a typical record of a well in this pool:—

Log of well on east side of Oil Springs pool[1].

Material	*Formation*	*Top* *Feet*	*Bottom* *Feet*
Surface	Pleistocene	0	60
Upper limestone	Hamilton	60	95
Upper "soapstone"		95	196
Middle limestone		196	223
Lower "soapstone"		223	330
Lower limestone	Onondaga	230	370
	Total depth		370
	Oil at		370
	Salt water		252

A number of deep tests have been drilled in Lambton county, the records of which are given on page 175.

The Oil Springs and Petrolia pools are continuing to prove among the most remarkable oil districts in the world, on account of the slow decline of production. From about 7,000 wells in 1897 and 1898, there are approximately 4,000 wells still producing in the Petrolia pool; while the proportion abandoned in the Oil Springs pool is slightly less. No drilling rigs are in operation at present anywhere in Lambton county.

The Oil Springs and Petrolia fields are contracting from the outer edges inward. No water problem has developed, except in the extreme northwest extension of the field, east of Sarnia. Wells on the outer limits are exhausted and abandoned from time to time, and no new production is taking their place. This field exhibits a comparatively rare example of an oil pool declining from the single cause of the exhaustion of the underground supply of oil. The decrease is not complicated by the exhaustion of gas pressure or consequent encroachment of water; nor is the oil of such a character that obstructive waxes and sediments have accumulated at the bottom of the well. The oil rock is open and rather vesicular, and apparently allows the complete exhaustion of the oil in the sand in the vicinity of a well or group of wells, before their abandonment. It has been possible to pump all wells alike, by shackle power, while in some other fields complicating underground factors make each well a separate problem. Careful producing methods

[1]Brumell, H. P. H., Geol. Survey Canada, Vol. V, Pt. Q. 1889-91, p. 62.

Section I: Bosanquet Township

Chapter I: Lambton County

The Harkness Files
Volume IX
Lambton

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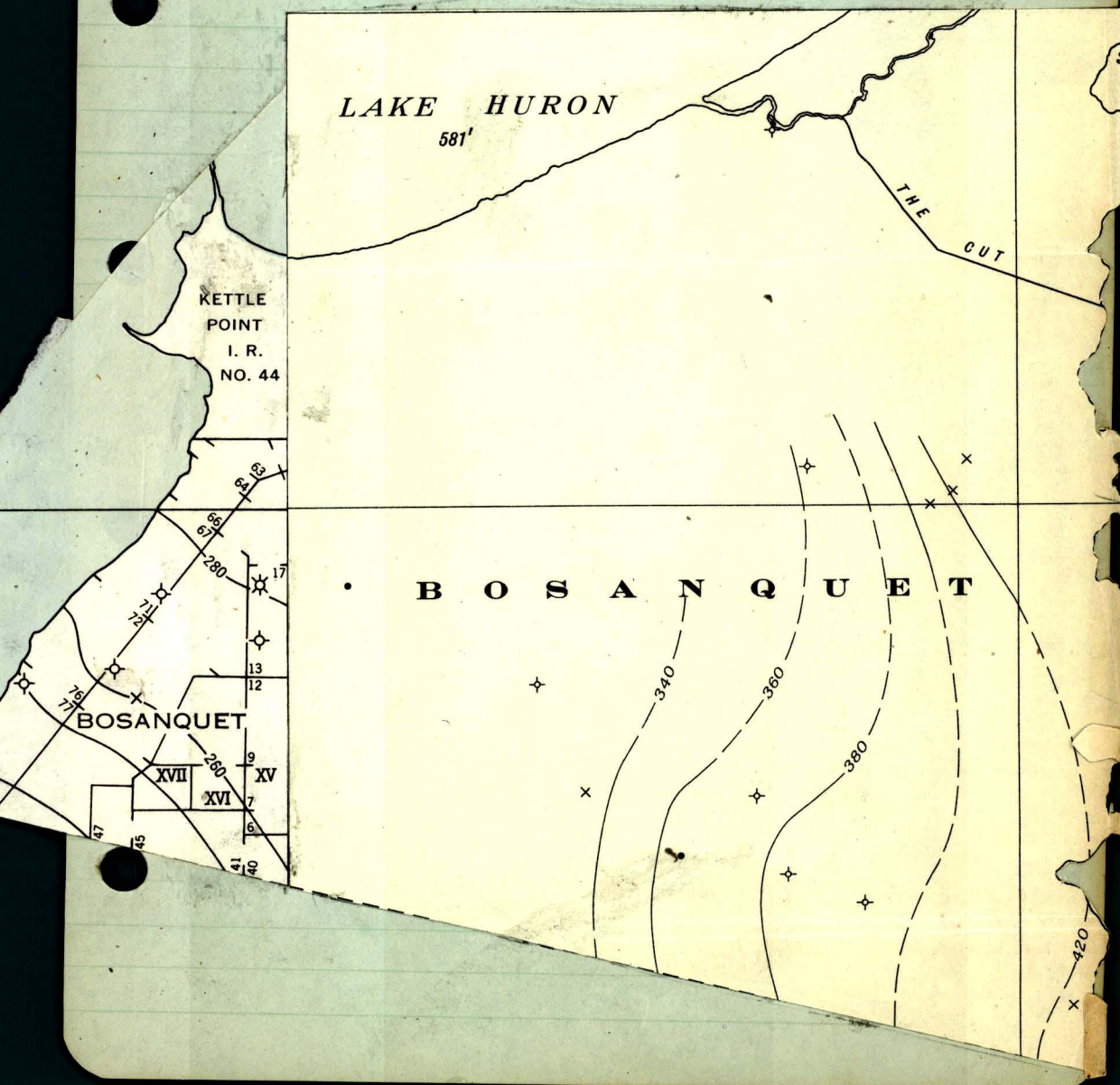
BOSANQUET.

Toronto Globe May 10th 65 from O.S. Chronicle

On the flats of the Au Sable River are indications of oil that has attracted Americans

Do May 9th 65.

A Company is drilling on Ballantyne Farm two miles from Wedder Pla.



WARWICK

Glencoe Transcript Mar 12th 03 Warwick
a test oil well is being put down at Little Point

Arkona well lot 6. SB Elev. 705 ft derrick floor

Well Records in Ontario—Continued

Qualities and formations	Thickness Feet	Depth Feet	Depth at which oil or gas occurred
Lambton County—Continued			
continuing, interstratified with shale for 130 feet or to a total depth of 1,330 feet, beneath which there was a "hard rock" 70 feet thick. The log of another well here is as follows:			
Clay	14	14	
Portage			
Black shale	50	64	
Hamilton			
Shales, soft and limestone	396	460	
Corniferous			
Limestone, hard	44	504	
Port Franks, Bosanquet tp. (Geol. Sur. Can., Vol. V, Part II, p. 65Q): Elev. 590	By Joseph Williams		Salt well
Surface deposits			
Fine sand	60	60	
Gravel	16	76	
Clay and gravel	178	254	
Gravel	6	260	
Limestone 4 to 5 ft. of soft marl at 365	940	1,200	
Shale	45	1,245	
Salt and shale	110	1,355	Used as brine well for manufacturing salt
The limestone will probably include the lower part of the Hamilton, the whole of the Corniferous and that part of the Onondaga overlying the salt beds. At 365 feet from the surface the driller reported 4 or 5 feet of soft marl-like beds.			
Top of well is 590 feet above tide.			
Widder station, Bosanquet tp. (Geol. Sur. Can., Vol. V, Part II, p. 65Q): 1866 or earlier	by Hunt		
Clay	34		oil at 196 small
Soft shale	196	230	
limestone	120	350	
Clay 34 feet; soft shale, etc., 196 feet; limestone 120 feet; oil at 196 feet.			
Bosanquet tp., l. 3, on southern line of the township, near Arkona (Geol. Sur. Can., Vol. V, Part II, p. 65Q):	Copied from Hunt 1866		
lime	8		
Shale	40	48	
lime	3		
shale	9		
Shale ?	206		
lime	18	242	some oil 224-24
This well showed above the boring the strata of the Hamilton shales nearly as follows in descending order: hard limestone 8; shale 40; limestone 3; shale 9; from which point a boring was carried 224 feet; hard white limestone, yielding some oil, 18 feet, equals 242 feet. This shows 284 feet of the Hamilton formation at this point.			
Bosanquet tp., l. 12, con. X (Geol. Sur. Can., Vol. V, Part V, p. 65Q): Grand Trunk Well	Copied from Hunt		
Clay	90		
hard black sh.	95		
Soft shale	350	535	
Clay 90; hard black shale 95; soft shales 350 feet. Boring at bottom was in soft grey calcareous marl resembling the Hamilton.			

Bosanquet. pt. lot 2 & 3. South Boundary – High Pressure Oil & Gas Co.
Drilled 1926+1927 Elev. 707. M. S. Clapp. Secty Tecumseh. Ont.
7054

Surface 1' 1'
Ipperwash ls. 41
Hamilton shales 183 225
Onondaga 150 375
no log to 2315
salt reported from 1165 to 1220
Queenston 2315 to 2370
Richmond. Dundas & Utica
grey calcareous shale 2370 - 2400
Hard sandy shale 2400 - 2580

Soft clay shale 2580 - 2685
calcareous shale 2685 - 2690
grey shale 2690 - 3020
Trenton grey limestone (much shale prob from above) 3020 - 3715+

This log is not too reliable

See over

INDEX VOL

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Aikens, W. J. .....
Ailsa Craig .....
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Alexandria, Ont. .....
Allenford .....
Alpena, Mich. .....
Amabel tp. .....
Amherstburg .....

Lambton County

LOG NO. 79.—JOHN HEAL, PETROLIA
Lot 77, Lake Shore, Bosanquet tp.

Completed May 30, 1925.
Dry hole.

Formation	Thickness, ft.
Surface	86
Top rock	69
Soapstone	30
Middle lime	11
Soapstone	204
Lower lime	107
Total depth	507

Barrie tp. 24
Barton tp. 40, 41
Bay st., Ottawa _____ 99

Lambton County

McKenzie - Buchannon & Johnston

LOG NO. 100.—JOHN SCOTT, PETROLIA
Lot 22, con. V, Bosanquet tp. Geo Fleming Farm

Completed July, 1924.
Dry hole.

Formation	Thickness, ft.
Surface	2
Top rock	11½
Top soap	128
Rock	3
Soap	70
Rock	4
Soap	69
Lower lime	103
Total depth	390½

Struck big water vein - 390

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  well records 31, 32
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High Pressure Oil & Gas Co
sold to
Au Sable Gas & Oil Co

M.S. Clapp. Tecumseh Secty.

Bosanquet Tp lot. 2. South Boundary
Johnson & Hyett driller. drilled 1921 to 1927
Drillers. Log. #2 Elev. 707
Surface 8 Elev 705±

Top rock	16 - 34	Casing
Soap & lime	166 - 200	18' - 10"
Lime	140 - 340	3375' - 4 5/8
Brown shale	35 - 375	water 880 - 910
Streaky	10 - 385	Salt water
Lime	15 - 400	880' to 910
Streaky	480 - 880	no water be
Lime - water	30 - 910	2200.
Lime streaky	230 - 1140	
Lime	30 - 1170	
Salt	45 - 1215	Shales caved at
Lime	95 - 1310	3350 - and 4 5/8"
Salt	15 - 1325	casing lowered
Lime	10 - 1335	from 2500 to 3375.
Shale	85 - 1420	
Salt	240 - 1660	
Lime	120 - 1780	
Shale & lime	55 - 1835	
Salt	60 - 1895	No. 1. well was lost
Lime	230 - 2125	through a fishing
grey shale	35 - 2160	job in the Trent
red shale	10 - 2170	rig skidded a
grey "	30 - 2200	feet for #7
Lime	105 - 2305	
red shale	230 - 2535	
red & gr shale	60 - 2595	
Lime	55 - 2650	
dark brown do	165 - 2815	
Shale sandy	10 - 2825	
Shale grey	195 - 3020	
Trenton lime	50 - 3070	
do hard dark	145 - 3215	
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A. A. HEAL ET AL.
Lot 17, con. XV, Bosanquet tp.

Completed May 21, 1934.
Producing gas well.
Rock pressure: 50 lbs.

Formation	Thickness, ft.
Surface	65
Hardpan	45
Lime	10
Soap	15
Lime	20
Soap	30
Lime	13
Soap	139
Lime	4
Soap	56
Lime	116
Total depth	513

Gas at 157 feet.
Small show of oil at 510 feet

Lambton County

A. A. Heal et al.
Lot 14, con. XV, Bosanquet tp.
Completed March 11, 1934.
Dry hole.

Formation	Thickness, ft.
Gravel	9
Clay	88
Hardpan	18
Lime	5
Soap	7
Lime	48
Hard soap	10
Soap	10
Grey shale	13
Hard lime	6
Black shale	1
Soap	103
Lime	6
Soap	24
Hard lime	5
Soap	61
Lime	96
Total depth	510

A. A. Heal et al.
Lot 17, con. XIV, Bosanquet tp.
Completed April 30, 1934.
Producing gas well.
Rock pressure: 35 lbs.

Formation	Thickness, ft.
Surface	56
Black shale	2
Lime	4
Soap	56
Lime	9
Brown lime	12
Soap	47
Lime	2
Grey shale	13
Soap	125
Middle lime	3
Soap	61
Lime	132
Total depth	522

Gas at 147 and 203 feet.
Salt water at 56 and 62 feet.

A. A. Heal et al.
Lot 74, L.R.E., Bosanquet tp.
Completed August 30, 1934.
Dry hole.

Formation	Thickness, ft.
Clay	73
Hardpan	23
Soft lime	34
Hard lime	25
Soap	35
Brown lime	12
Soap	111
Lime	3
Soap	21
Lime	6
Soap	8½
Soft lime and grey shale	50
Lime	127½
Total depth	529

Salty water at 523 feet, with trace of oil.

George Sullivan et al.
Lot 9, con. C, Kettle Point Indian Reservation, Bosanquet tp.
Completed May 24, 1935.
Small show of gas.

Formation	Thickness, ft.
Surface	9
Huron shale	12
Hamilton shale	365
Dark streak	4
Ondondaga lime	113
Total depth	503

Show of gas at 390 and 453 feet.
Salt water at 34 feet; dark salt water at 501 feet.

Bert Wilson
A. Page No. 1, lot 55, L.R.W., Bosanquet tp.
Completed March 16, 1936.
Dry hole.

Formation	Thickness, ft.
Clay	45
Lime	5
Soap	25
Lime	1
Lime and soap	30
Lime	37
Soap	18
Lime	12
Soap	131
Lime	1
Soap	66
Delaware	6
Lime	104
Total depth	481

Show of oil at 445 and 470 feet.
Salt water at 475 feet.

Walker Salt Corporation, Ltd.
Lot 41, Port Franks, Bosanquet tp.
Completed September 11, 1934.
Dry hole.

Formation	Thickness, ft.
Sand	23
Quicksand	27
Gravel	2
Grey shale	195
Black sand	3
Fossil	7
Limestone	70
Black sand	1
Limestone	88
Limestone and gyprock	17
Limestone	503
Limestone and gyprock	13
Limestone	128
Limestone and shale	148
Salt	3
Salt and limestone	57
Salt	87
Limestone	10
Total depth	1,382

Fresh water at 50 and 248 feet; sulphur water at 258 and 704 feet; sulphur water at 704 feet; salt water at 278 and 990 feet.

Township	Well	Lot	Con	Surf Elev	Total Depth	HAMILTON Top	HAMILTON Base	HAMILTON Thick	Dundee Top	Dundee Base	Dundee Thick	Detroit Riv Top	Detroit Riv Base	Detroit Riv Thick	Bass Island Top	Bass Island Base	Bass Island Thick	Salina Top	Salina Base	Salina Thick	Guelph Top	Guelph Base	Guelph Thick	Guelph Top
Bosanquet	Gaston Grove 1	70	L.R.W.	667	580	+554	+234	320	+234	+102	132	+102												
"	Bosanquet 9	9	SB	751	2222	+691	+399	292	+399	+299	100	+299	-216	515	-216	-299	83	-299	-1376	1077	-1376	-1459		

Lot	Con.	Designation	Location	Year drilled	Altitude in feet above sea-level	Depth in feet	Bedrock formation	Producing depth in feet	Producing formation	Yield Mcf. or bbls.	Pressure in lbs. sq. in.	Thickness of drift in feet	Remarks
70	L.R.W.	Imperial Oil Ltd..... A. E. Hodgson No. 1.	50 ft. NW. of S. road... 50 ft. NE. of W. line.	1947	667	580	Hamilton	185 192	Hamilton	5 Mcf.	.....	185	Fresh water at 110 ft. Left as private well. Salt water at 560 ft.

UNION GAS CO. OF CANADA, LTD.

H. M. Fleming No. 1, lot 138, W.½, N.T.R., Raleigh tp.

Completed October 6, 1939.
Dry hole.

Formation	Thickne ft.
Surface	211
Hamilton soap and shell	124
Grey lime	171
Grey and brown lime	97
Brown and sharp grey lime	71
Sharp brown and grey lime	161
Brown lime	125
Blue and brown lime	382
Brown lime and salt	98
Brown lime	35
Grey lime	39
Brown lime	29
Grey lime	11
Brown lime	6
Grey lime	25
Total depth	1,585

Gas at 1,566, 1,574, 1,578, and 1,581 feet.
Show of oil at 1,581 feet.
Fresh water at 10 feet; sulphur water at 540 and 580 feet.

UNION GAS CO. OF CANADA, LTD.

A. A. HEAL ET AL.

Lot 75, L.R.E., Bosanquet tp.

Completed July 19, 1934.
Very small oil well.

Formation	Thickness, ft.
Clay	92
Hardpan	15
Lime	6
Soap	7
Lime	10
Soap	10
Lime	15
Grey shale	13
Soap	28
Lime	9
Hard lime	6
Soap	131
Middle lime	3
Lower soap	60
Lower lime	108
Total depth	513

Gas at 443 feet.
Oil at 422 and 455 feet.
Salt water at 107 to 113 feet.

UNION GAS CO. OF CANADA, LTD.

R. J. Burgess No. 1, lot 15, con. V, Tilbury East tp.

Completed May 23, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	125
Hamilton soap and shell	95
Grey lime	112
Brown lime	118
Brown and grey lime	72
Grey lime	63
Sharp grey lime	175
Grey and brown lime	122
Grey lime	127
Grey, and grey and brown lime	157
Blue lime	76
Grey and brown lime	73
Brown and grey lime	62
Brown lime	41
Grey lime	42
Total depth	1,460

Fresh water at 122 feet; sulphur water at 355 and 360 feet; salt water at 1,424 and 1,460 feet.

W. N. ALLEY

G. Thomas No. 1, lot 3, con. VIII, Bosanquet tp.

Completed January 8, 1941.
Dry hole.

Formation	Thickness, ft.
Surface	98
Black shale	10
Soap	7
Lime	15
Lime and soap	15
Lime	25
Lime and soap	22
Soap	152
Middle lime	7
Lower soap	49
Big lime	100
Total depth	500

Fresh water at 57 and 90 feet.

[illegible]	30
Grey lime	80
Brown and grey lime	53
Brown lime	93
Grey lime	145
Brown lime	12
Blue, grey, and brown lime	108
Brown lime	30
Grey and brown lime	88
Blue lime	63
Grey and blue lime	36
Grey and brown lime	74
Dark-grey lime	49
Brown lime	32
Grey lime	16
Total depth	1,515

Fresh water at 120 feet; sulphur water at 350 feet; salt water at 1,510 feet.

UNION GAS CO. OF CANADA, LTD.

D. Mifflin No. 1, lot 170, S.½ of N.½, N.T.R., Tilbury East tp.

Completed September 1, 1939.
Producing gas well.
Rock pressure: 220 lbs.

Formation	Thickness, ft.
Surface	160
Hamilton shale and shell	120
Grey lime	275
Sharp grey lime	95
Grey lime	105
Blue lime, brown lime and gypsum	56
Blue lime	50
Blue, brown, and grey lime	79
Brown and blue lime	54
Brown lime	56
Blue lime	102
Blue and brown lime	66
Brown lime	47
Grey lime	18
Brown lime	33
Grey lime	12
Grey and brown lime	105
Grey lime	29
Total depth	1,462

Gas at 976 to 982, 1,224, 1,265, 1,333, 1,355, 1,362, 1,367, and 1,379 feet.
Sulphur water at 375 and 655 feet.

UNION GAS CO. OF CANADA, LTD.

R. Van de Wynckel No. 1, lot 11, N.½, con. XIV, Tilbury East tp.

Completed June 27, 1939.
Producing gas and oil well.
Rock pressure: 275 lbs.

Formation	Thickness, ft.
Surface	154
Hamilton soap	66
Grey lime	124
Light-brown lime	124
Grey lime	62
Sharp grey lime	165
Brown and grey lime	81
Grey lime and gypsum	12
Grey lime	52
Brown and grey lime	24
Blue lime	64
Grey and brown lime	160
Blue, grey, and brown lime	104
Brown and grey lime	106
Grey lime	149
Total depth	1,447

Gas at 1,320, 1,370, 1,379, 1,406, 1,410, and 1,418 feet; show of gas at 1,208 feet.
Oil at 1,410 and 1,418 feet; show of oil at 470 feet.
Fresh water at 150 feet; sulphur water at 420 and 680 feet; salt water at 1,447 feet.

C. Catt No. 2, lot 4, con. VIII, Bosanquet tp.
Completed December 7, 1940.
Dry hole.

Formation	Thickness, ft.
Surface	106
Top rock	49
Upper soap	163
Middle lime	7
Lower soap	61
Big lime	121
Total depth	507

Show of gas at 84, 220, and 240 feet.
Show of oil at 392 and 463 feet.
Fresh water at 60 feet; black water at 113 feet.

FRED L. DAVIDSON

W. F. Gilliard No. 1, lot 5, W. ½, con. VII, Bosanquet tp.
Completed March 30, 1940.
Dry hole.

Formation	Thickness, ft.
Surface	119
Top rock	17
Upper soap	172
Middle lime	9
Lower soap	45
Big lime	108
Total depth	480

Show of gas at 142 feet.
Fresh water at 98 feet.

EDWARD NEWBERY AND ASSOCIATES

B. Sitter No. 1, lot 30, con. B, Bosanquet tp.
Completed May 10, 1940.
Dry hole.

Formation	Thickness, ft.
Surface	185
Rock	5
Grey lime	280
Total depth	470

Fresh water at 125 and 238 feet; salt water at 295 feet.

W. N. ALLEY

E. Catt No. 1, lot 5, con. VIII, Bosanquet tp.
Completed June 12, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	105
Lime	5
Soap	15
Lime	17
Soap	36
Lime	9
Soap	132
Middle lime	9
Lower soap	55
Dark lime	7
Grey lime	122
Total depth	512

Gas at 213 and 415 feet.
Small amount of oil at 398 feet.
Fresh water at 40 to 90 and 105 to 110 feet; salt water at 509 feet.

W. N. ALLEY

D. K. Stewart No. 1, lot 7, con. IX, Bosanquet tp.
Completed July 4, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	85
Black shale	9
Grey shale	2
Lime and soap	104
Soap	134
Middle lime	7
Lower soap	52
Dark lime	15
Grey lime	105
Total depth	513

Fresh water at 77 feet; salt and sulphur water at 490 feet.

W. N. ALLEY

J. Wilson No. 1, lot 3, con. IV, Bosanquet tp.
Completed August 3, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	82
Hardpan	4
Lime	4
Soap	10
Lime	10
Lime and soap streaks	30
Soap	37
Lime	5
Soap	135
Middle lime	10
Lower soap	43
Dark lime	8
Grey lime	112
Total depth	500

Small amount of gas at 193 feet.
Fresh water at 86 to 90 feet; black sulphur and salt water at 500 feet.

W. N. ALLEY

C. Wilson No. 1, lot 7, con. VI, Bosanquet tp.
Completed May 17, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	105
Lime	18
Soap	2
Lime	5
Soap	30
Lime	10
Soap	135
Middle lime	6
Lower soap	57
Dark lime	7
Grey lime	125
Total depth	500

Small amount of gas at 192 feet.
Fresh water at 82 to 105 feet; salt and sulphur water at 490 feet.

W. N. ALLEY

J. S. [illegible]mmerman No. 1, lot 4, con. VI, Bosanquet tp.
Completed July 19, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	117
Soap	3
Lime	23
Soap	28
Lime	7
Soap	130
Middle lime	14
Lower soap	52
Dark lime	6
Grey lime	120
Total depth	500

Show of gas at 233 feet.
Fresh water at 100 to 110 feet; salt and sulphur water at 497 feet.

Lambton County

W. N. Alley

G. Thomas No. 1, lot 3, con. VIII, Bosanquet tp.
Completed January 8, 1941.
Dry hole.

Formation	Thickness, ft.
Surface	98
Black shale	10
Soap	7
Lime	15
Lime and soap	15
Lime	25
Lime and soap	22
Soap	152
Middle lime	7
Lower soap	49
Big lime	100
Total depth	500

Fresh water at 57 and 90 feet.

Lambton County

Imperial Oil, Ltd., Eastern Canada Exploration

A. E. Hodgson No. 1, lot 70, L.R.W., Bosanquet tp.
Driller: S. D. Shaw.
Completed April 26, 1947.
Dry hole.

Formation	Depth, ft.
Surface	185
Soap and shell	220
Soap	428
Brown lime	560
Brown and grey lime	570
Grey water sand	580

Show of gas at 185 and 192 feet.
Fresh water at 110 feet; salt water at 560 feet.

Frank Ogletree

W. Porter No. 1, lot 19, con. XI, Bosanquet tp.
Driller: N. Dolphin.
Completed May 29, 1948.
Dry hole.

Formation	Depth, ft.
Surface	80
Top rock and soap	142
Soap and lime	150
Upper soap	288
Middle lime	290
Lower soap	365
Big lime	478
Detroit River	485

Black water at 480 feet.

Lambton County

A. A. Heal

W. Percy No. 1, lot 13, con. I, Bosanquet tp.
Driller: A. Heal.
Completed May 23, 1950.
Dry hole.

Formation	Depth, ft.
Surface	95
Lime	120
Soap	245
Lime	252
Soap	310
Lower lime	390

Show of gas at 324 and 348 feet.
Show of oil at 370 feet.
Sulphur water at 98, and 112 feet; salt water at 387 feet.

Bruce County

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

A. Milhansen No. 1, lot 35, con. 1, Brant tp.

Driller: I. Smelser.
Completed June 23, 1948.
Dry hole.

Formation	Depth, ft.
Surface	64
Lime	77
Green shale	89
Red shale	165
Lime	183
Lime and shale	248

Fresh water at 36 feet.

Canadian Dutch Oil Co. 1922

Property owner McRorie W. ½6 South boundary. Boarguard

Surface	65	
Gravel & sand	2	67
Shale	87	154
Top rock	55	209
Soap stone	145	354
Middle lime	10	364
Soap	15	379
Middle lime	10	389
Lower soap	29	428
Corniferous lime	110	538

Show of oil shot with nitro-glycerine

Bosanquet

Imperial Oil Co # 366

E. Wright #1 lot 14 Con II
430' S 790' W Elev. 737
Comp Feby 4th 53 / Dry Hole

Surface	45
Hamilton	300
Brown lime	705
Sharp lime	948
Brown lime	1014
Blue & brown lime	1198
Grey lime	1250
Lime & salt	1320
Brown & grey lime	1390
Salt & lime	1430
Blue lime	1478
Brown lime	1498
Salt & lime	1804
Brown & grey lime	1915
Salt	1985
Brown lime	2142
Grey lime	2213
Grey shale	2222

Fresh water 35 & 88 to 105
Black water sulphur 385
Salt water 2140

Brown 31
lime 21
milk 9
65'

Name of Gas or Oil Co. Calvan Imperial Year 54

Address Co. Well No. 442

Location, County Lambton Tp. Bosanquet Con. II Lot 24 Pt. Lot E1/2

Driller Stubble Address Prop. Owner R P Morrison

Date commenced Date completed 15th June 54 Elev. 637+2 Acres 100

DRILLERS LOG (Formation)		Thickness	TOTAL
	Surface	210	
	Big Lime	540	750
	Sharp lime	88	838
	Brown "	187	1025
Brown & blue lime & gypsum	Brown and blue lime and Lime & gyp	138	1163
	salt	13	1176
blue & grey	shale	10	1186
	salt	27	1213
Brown and grey	Lime & gyp	87	1300
	salt	18	1318
Blue & grey	Shale & gyp	73	1391
	salt	293	1684
	brown lime	76	1760
	Grey "	78	1838
	Salt	62	1900
	brown "	130	2030
	Grey "	100	2130
	grey shale	45	2175
Brown lime	Clinton Brown lime	10	2185
Red green & grey shale	Medina Red green & grey shale	105	2290
Red shale	Queenston Red shale	290	2580
Black & grey	M.D. + Billings Black & grey shale	425	3005
Brown & buff lime	Trenton Brown and Buff lime	875	3880
Sand arkose	Basal	15	3895
	Precambrian	21	3916

WATER RECORD

Kind	Depth	Ft. Rises
Fresh	104	104
Sulphur	315	?

SKETCH OF LOCATION

650 N 1600 N.W

IMPERIAL-CALVAN - No. 1
R. Morrison No. 1
Bosanquet Tp., Lot 24, Con. II.

Co-ordinates: 650' N., 1600' W.
Elevation: 637' + 2'.
Driller: Stubble and Stubble.
Completed: June 15, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	210	210
Brown lime	540	750
Sharp lime	88	838
Brown lime	187	1,025
Brown and blue lime and gypsum	138	1,163
Salt	13	1,176
Blue and grey shale	10	1,186
Salt	27	1,213
Brown and grey lime and gypsum	87	1,300
Salt	18	1,318
Blue and grey shale and gypsum	73	1,391
Salt	293	1,684
Brown lime	76	1,760
Grey lime	78	1,838
Salt	62	1,900
Brown lime	130	2,030
Grey lime	100	2,130
Grey shale	45	2,175
Brown lime	10	2,185
Red, green and grey shale	105	2,290
Red shale	290	2,580
Black and grey shale	425	3,005
Brown and buff lime	875	3,880
Sand arkose	15	3,895
Granite	21	3,916

Water
Fresh at 104'
Sulphur at 315'

4th " " " " " " " " " "
5th " " " " " " " " " "
6th " " " " " " " " " "

Wells in Bosanquet Township, Lambton County—Concluded

Lot	Con.	Designation	Location	Year drilled	Altitude in feet above sea-level	Depth in feet	Bedrock formation	Producing depth in feet	Producing formation	Yield Mcf. or bbls.	Pressure in lbs. a sq. in.	Thickness of drift in feet	Remarks
5	8	E. Catt No. 1	240 ft. W. of E. road 1,410 ft. N. of S. road	1939	748	512	Hamilton	213 415	Hamilton Norfolk	4 Mcf.		105	Fresh water at 110 ft., rose 95 ft. Salt water at 509 ft., rose 150 ft. Show of oil at 398 ft.
7	9	D. K. Stewart No. 1	450 ft. E. of W. road 1,400 ft. S. of N. road	1939	727	513	Kettle Point					85	Fresh water at 77 ft., rose 50 ft. Salt and sulphur water at 490 ft.
12	10	Grand Trunk	400 ft. S. of N. road 2,500 ft. W. of E. line		709	535	"			Dry		90	
17	14	Wm. McIntyre No. 1	50 ft. N. of S. road 3,100 ft. E. of W. line	1934	676	522	"	147 203	Hamilton	20 Mcf.	35	56	Salt water at 56 and 62 ft.
14	15	A. A. Heal *et al.*	600 ft. S. of N. line 600 ft. E. of W. line	1934	675	510	Hamilton			Dry		115	
17	15	A. A. Heal *et al.*	50 ft. N. of S. road 600 ft. E. of W. line	1934	679	513	"	157	"	10 Mcf.	50	110	Show of oil at 510 ft.
30	B	Newberry B. Sitter No. 1	150 ft. N. of S. line 150 ft. W. of E. line	1940		470	"			Dry		185	Fresh water at 125 and 238 ft. Salt water at 295 ft.
3	S.B.	High Pressure Oil and Gas Co.	800 ft. S. of N. road 250 ft. E. of W. line	1923	707	3,725	Hamilton					18	Salt water at 880 to 910 ft.
74	E.L.R.	A. A. Heal *et al.* J. E. Vivian No. 2	SW. Corner	1934	668	529	"			Dry		96	Salt water at 523 ft., with trace of oil.
75	E.L.R.	J. E. Vivian No. 1	100 ft. S. of N. line 2,500 ft. E. of W. line	1934	665	513	"					107	Salt water at 107 to 113 ft. Show of gas at 443 ft. Very small oil well with production from 422 and 455 ft.
35	W.L.R.	William's Salt Works			584	1,355							
49	W.L.R.	Stoney Point	SW. Corner		633	375	"					30	

Lot	Con	Company	Location	Year	Elev	Total Depth	Surface Form	PRODUCTION Depth	PRODUCTION Form	PRODUCTION Amount	Press p.s.i.	Surface	Remarks
55	WLR	Bert Wilson A Page #1		1936	650	481				Dry		445	Show oil 445 & 470 Salt water 475'
77	WLR	J Head #1	600' N 3300' W	1925	652	507				Dry		86	Fresh water from 78 to 96'
41	Pt	Franks Walker Salt Corp	200' N 200' E of River	1934	584	1382				Dry			Fresh water at 50' and 248'
												57	Sulphur " " 258 and 704'
										Dry			Salt water at 278 and 900'
												9	Show of gas at 390' and 463'
													Salt water at 501 feet

Wells in Bosanquet Township, Lambton County

Lot	Con	Company	Location	Year	Elev	Depth	Surface Form	Depth	Formation	Amount	Press p.s.i.	Thick Surface	Remarks
21	3	Thedford Cold Storage Co.	100 ft. N. of S. line, 1,000 ft. E. of W. line	1931	669	500	.....	.....	.....	.....	.....	.....	Fresh water at 60 ft.
21	3	.....	500 ft. S. of N. road, 900 ft. W. of E. line	1865	654	350	Hamilton	.....	.....	.....	.....	.....	
21	3	Buchanan and Brake	.....	1905	681	502	"	.....	.....	.....	.....	45	
23	3	Johnson and Hyatt	SE. Corner	.....	704	2,455	"	.....	.....	.....	.....	41	
3	4	W. N. Alley, John Wilson No. 1	4,050 ft. E. of W. road, 1,250 ft. S. of N. road	1939	770	500	"	.....	.....	Dry	.....	86	Fresh water at 86 ft., rose 60 ft. Salt water at 500 ft. Show of gas at 193 ft.
22	5	McKenzie and Buchanan	.....	1924	652	390	"	.....	.....	Dry	.....	2	
4	6	W. N. Alley, J. S. Zimmerman No. 1	600 ft. W. of E. road, 350 ft. N. of S. road	1939	757	500	"	.....	.....	Dry	.....	117	Fresh water at 100 to 110 ft., rose 100 ft. Salt water at 497 ft. Show of gas at 233 ft.
7	6	C. Wilson No. 1	1,525 ft. S. of N. road, 2,500 ft. W. of E. road	1939	743	500	"	192	Hamilton	2 Mcf.	.....	105	Fresh water at 82 to 105 ft., rose 90 ft. Salt water at 490 ft., well plugged.
5	7	Dominion Natural Gas Co., W. F. Gilliard No. 1	390 ft. E. of W. road, 1,780 ft. N. of S. road	1940	743	480	"	.....	.....	Dry	.....	119	Fresh water at 98 ft. Show gas at 142 ft.
4	8	W. N. Alley, Chas. Catt No. 2	825 ft. W. of E. road, 725 ft. N. of S. road	1940	749	507	"	.....	.....	Dry	.....	106	Fresh water at 60 ft., rose 35 ft. Black water at 507 ft., rose 400 ft. Gas at 84, 220, 240 ft. Show of oil at 392 and 463 ft.

Section II: Brooke Township

Chapter I: Lambton County

The Harkness Files
Volume IX
Lambton

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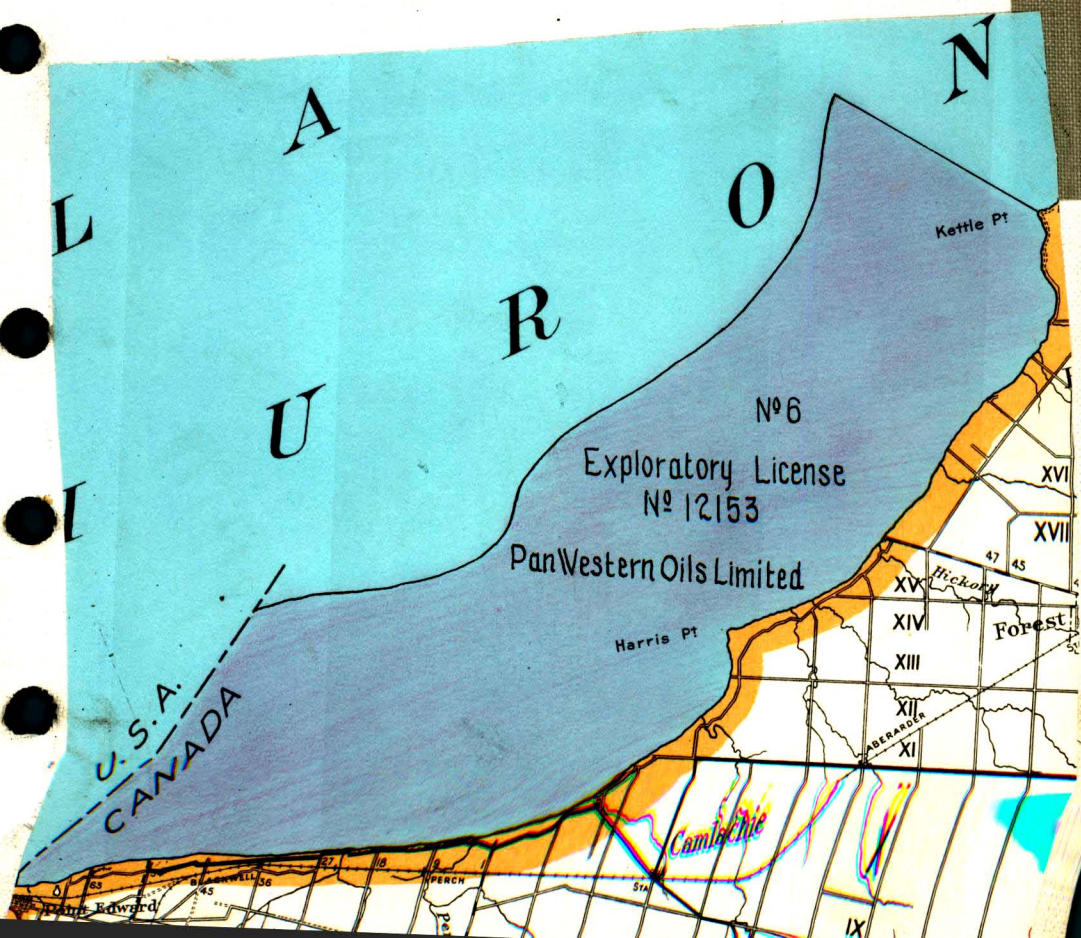

LAKE HURON
Kettle Pt
Nº 6
Exploratory License
Nº 12153
Pan Western Oils Limited
Harris Pt
U.S.A.
CANADA
Hickory
Forest
XVI
XVII
XV
XIV
XIII
XII
XI
IX
Camlachie
Point Edward

BROOKE
3
6
9
12
15
18
21
24
27
XIV
XIII
XII
XI
X
IX
VIII
VII
VI
V
IV
III
II
I
50'
340
360
380
River
Sydenham

FORMATION, ELEVATIONS, & THICKNESSES (BY WELLS)

SOUTHWESTERN ONTARIO

LAMBT

WELL	TOWNSHIP	LOT	CONC.	SURF. ELEV.	TOTAL DEPTH	HURON			HAMILTON			DUNDEE EQUIV.			DETROIT RIVER			BASS ISLAND			SALINA			GUELPH-LOCKP		
						Top	Base	Thick.	Top	Base	Thick.	Top	Base	Thick.	Top	Base	Thick.	Top	Base	Thick.	Top	Base	Thick.	Top	Base	Thi
Cox 1	Brooke	5	1	677	593	+613	+603	10	+603	+359	244	+359	+227	132	+227											
Henderson 1	"	3	2	676	350				+624	+351	273	+351														
Walnut 1	"	21	11	740	418	+683	+630	53	+630	+370	260	+370														
Atkin 1	"	1	1	674	500	+617	+554	63	+554	+304	250	+304	+225	79	+225											
" 2	"	4	2	677	390	+625	+617	8	+617	+360	257	+360														
Brooke 1-14	Brooke	1	14	695	2865	+647	+569	78	+569	+300	269	+300	+205	95	+205	-287	492	-287	-389	102	-389	-1122	733	-1122	-1561	439
Sutherville 1	"	10	18	708	2186	+655	+569	87	+569	+317	252	+317	+222	95	+222	-251	473	-251	-329	78	-329	-1361	1032	-1361		
" 2	"	11	13	750	3159	+666	+600	66	+600	+330	270	+330	+246	84	+246	-231	477	-231	-309	78	-309	-1344	1035	-1344		
" 3	"	9	13	708	2141	+648	+566	82	+566	+301	265	+301	+208	93	+208	-267	475	-267	-359	92	-359	-1367	1008	-1367		
" 4	"	10	14	733	2205	+649	+573	76	+573	+303	270	+303	+193	110	+193	-267	460	-267	-364	97	-364	-1363	999	-1363	-1469	106
Brooke 10-13	"	10	13																							
Falstaff 1	Sarnia	20	6	602	6735	+465	+468	4	+1163	+806	356	+1253	+1159	94	+1159											
Port Franks 1	Bosanquet	30	10 SW	667	5780				+554	+324	230	+1276	+1168	108	+1168											

BROOKE
ALVINSTON

Elmcroe Transcript Oct 5th 96

"An immediate test is to be made of the capacity of the gas wells on the Brannan farm at Alvinston. If the supply proves to be there a syndicate will be formed and the town piped"

Elmcroe Transcript March 31st 98 Alvinston

Mr Holloward (from Pa) has brot in a 3 bbl well on the IX Con of Brooke near Alvinston

Do June 23rd 98

"Another good well has been struck on the Stewart farm VIII Con Brooke This makes the fifth The five pumping 90 bbls/day"

BROOKE

Glencoe Transcript SUTORVILLE

The Petrolea Oil Co has leased two acres of land near Sutorville (Con XII - XIV lots 7 & 12 ??) & drilled some 30 wells. The first well is down 387 feet

Glencoe Transcript Aug 5th 09

Oil has been found at 400 feet in a well on lot 4 and lot 6 Con II Brooke Twp. Wells have been drilled in several places on the township but this is the first discovery. A company of U.S. and Sarnia men are the operators

Do July 7th 1910 "A good show of oil is said to have been found on the farm of Wm J Bradley lot 3 Con IX Brooke while drilling for water."

Do Oct 26th 1911

The Broadfield Oil Co struck a 100 bbl well on the Peter Campbell farm lot 9 Con II Brooke

Do Nov 30th 1911

It is reported that the oil wells in the III Con Brooke are petering out.

Glencoe Transcript June 22nd 1916

"A fair showing of oil was struck on the farm of Jas Bell in South Brooke."

Do Dec 14th 1916

Several oil wells have been drilled in Brooke Twp near Alvinston, and many good finds have been reported, but to date the shipping of oil has not been heavy. One well is reported to be doing 15 bbls/day.

BROOKE
ALVINSTON

Glencoe Transcript March 4th 1886

"At a meeting of the Executive Committee of the Alvinston Oil Co Mr Dan McCallum reported that he had disposed of sufficient stock to warrant the Co sinking the proposed test wells"

Lehman Transcript Sept 30th 1886

" A test well was put down at Alvinston to a depth of 800 feet but was abandoned as no oil was found"

Glencoe Transcript Nov 29th 1894

"The natural gas fever is increasing. The gas from the Brayton well is piped to town and proves much better than expected. The McCallum well so far is successful but the citizens are talking of going down from the 1400 foot now down, to 1800, if necessary."

BROOKE

Glencoe Transcript Sept 11th 1890

"a boiler of the Imperial Oil Co salt works in X Con Brooke exploded on day last week and the engineer had an leg broken---"

Glencoe Transcript March 5th 94

"In drilling unsuccessfully for oil some time ago at Alvinston a vein of gas was struck at 350 ft and an expert from Ridgetown thinks that it will furnish enough gas to heat and light the village. As soon as the weather is favourable the water will be pumped out of the well which will then be shut"

Glencoe Transcript April 12th 94 ALVINSTON

"Dr Dacon is boring for gas on his premises Railway Street"

Glencoe Transcript Sept 20th 94

A good sample of oil was pumped from HO Baker's well on the VIII Con of Brooke. The capacity of the well is not yet known owing to the heavy pressure of water, but experts are of the opinion that there is plenty of oil in the neighbourhood

Glencoe Transcript Nov 8th 94

A vein of natural gas has been struck on the Brannan farm at Alvinston

on Nov 29th 94.

The nat gas fever is increasing the gas from the Brennan well is piped to town and proves much better than expected. The McCallum well so far as a failure but the citizens are talking of going down from the 1600 ft now down to 1000 ft

Brunnell G.S.C. 1890 Vol II 66 "Operations have been carried on in this (Brooke) township, unfortunately, however, without finding oil in economic quantities. No records have been kept of the work."

Ont Bur Mines Vol VIII (Statistics of 1898) page 15.
"It was thought last year that the township of Brooke gave evidence of a good deposit, and quite a number of wells were drilled there; but the supply did not prove to be permanent and most of the wells have been abandoned"

Jarvis Record. Aug 4th 1909
Oil has been found in Brooke twp in lots 4 and 6 Con II

Imperial Oil Co.
Lot 9, Con IX Brooke Twp
J. Johnston #3 Elev approx 700
Completed June 19/98
Dry Hole

Surface	50	
Black shale	85'	135
Top Rock	50	185
Top soap	155	340
Middle lime	10	350
Lower soap	30	380
Lower lime	70	450
	450	

Imperial Oil Co
Lot 9, Con. IX
J. Johnson #2
Elev 700 ±
Dry Hole

Surface	48	
Black shale	85	133
Top rock	25	158
Top soap	192	350
Middle lime	20	370
Lower soap	20	390
" lime	63	453
	453	

Imperial Oil Co.
G. S. Elliott #2
Lot 9, Con. VII
Completed Aug 9/98
Dry Hole

Surface	50	
Black shale	94	144
Top lime	35'	179
top soap	170	349
Middle lime	26	375
Lower soap	20	395
" lime	40	435
	435'	

Imperial Oil Co
J. Johnston #4 Elev 705 ±
Lot 9, Conc. IX.
Completed June 2?/98
Dry Hole

Surface	48	
Black shale	85'	133
Top rock	25'	158
Top soap	109	167
Middle lime	20	187
Lower soap	20	207
" lime	387	394
	+ 398	
	499?	

Imperial Oil Co
Brooke twp E 1/2 8 Con. VII
Completed July 22/98
Wood & Wallace #3

Surface	53
Black shale	86
Top lime	67
Top soap	150
Middle lime	20
Lower soap	25 391
Lower lime	60
	451

Dry Hole

Imperial Oil Co
Brooke twp Lot 8, Con VII
Wood & Wallace #2

Surface	50
Black shale	94
Top lime	35
" soap	171
Middle lime	25
Lower soap	20 395
" lime	19
	414

Imperial Oil Co
Brooke twp Lot 5 W 1/2
Con. IV Elev. 600' above L.
W. Smith Driller
E. Orange P.O.
Completed Mar. 3 1900
Dry Hole

Surface	64	
Shale	154	
Lime	164	
Soap	364	
Lime	388	
Soap 274	418	
Limerock	982	1400
Salt	1410	
Lime	1420	
Salt	1520	
Lime	1525	
Salt	1625	
Lime	1635	
Salt	1647	
Lime	1800	
Salt	1825	
Lime 235	2060	
Slate 45	2105	
Red rock 15	2120	
Slate 5	2125	
Red 5	2130	
Slate 105	2235	
Red 20	2255	
Slate 575	2830	
Black slate 170	3000	23121
Trenton Rock 380	3380	

Exploratory Drilling

As there is a large percentage of exploratory or "wildcat" wells, it is difficult to distinguish them as oil or gas wells. In order to draw some line, exploratory wells that result in dry holes are classified as gas wells, if they are drilled as deep or deeper than the shallowest gas horizon, i.e. the Guelph. All shallower wells are called oil wells. The "wells drilled" shown in Table II, are nearly all less than 500 feet deep.

The revival of production in the Bothwell field has led to a considerable drilling activity, which has extended well into Orford and Aldborough townships. Mosa township had some attention on the west flank of the Glencoe oil field, where a producing well was drilled a few years ago.

The major activity is in Brooke township, where a producing well was drilled late in 1933 on the Atcheson farm, lot 23, concession XIII. Development spread eastward through concessions XI, XII, XIII, and XIV to the township of Metcalfe, where two dry holes were drilled years ago.

It is difficult to segregate drilling rigs engaged in oil-drilling from those engaged in drilling gas wells, as they are used for both purposes. The investment of six drilling rigs which are engaged in both operations are reported under "Natural Gas." Four drilling rigs engaged in drilling oil wells only have an investment of $7,300. Eight men were engaged and received wages amounting to $2,652. Total footage drilled for oil wells is 10,982 feet.

Oil in Brooke Township

In December, 1933, a large-volume oil well was reported on the Atcheson farm in lot 23, concession XIII of Brooke township, producing from a shallow depth, and at the same horizon as the oil at Petrolia and Oil Springs. During 1934, there was considerable interest in this area, and 33 wells were drilled, 14 of which were reported by the owners as producers and 19 as dry. Only 9 wells, however, including the drilling for the first six months of 1935, have pumped any oil, 4 of these less than 100 barrels. The total production to the end of June, 1935, when only one well in the field was producing, was 2,065 barrels. In the fall of 1935, all activities in the field, including those at this well, had practically stopped.

As will be seen from the accompanying map, the results have been very erratic. Unfortunately, very few samples reached the office of the Natural Gas Commissioner and little first-hand information is available. Inspector Scott reports that there is no oil sand (porous or crystalline limestone) in the Brooke township wells and that the oil comes mainly from the "mud vein." The "mud vein" is at the top of the Delaware limestone, where the joints in the limestone are open and filled with a soft clay, which, when oil is present, yields in great quantity for a short time, after which the flow of oil ceases or is replaced by water. This is borne out by the erratic results obtained from drilling. In the Petrolia, Oil Springs, and Bothwell fields, where there is a continuous porosity in the rock, there are no dry holes in the main portion of the field. The old operators in the Oil Springs field knew that, by locating the water level on the flank of the dome and choosing a well located slightly below the oil and water level, they could, by operating high-capacity pumps continuously, lower this water level and cause the oil to flow downward with the water toward the well so pumped. This method applied in Brooke has proved a failure because the area has a gentle southwest dip, uninterrupted, so far as is known, by any major feature

that would form a trap for oil moving on top of fluids. The water that accompanies this oil is brackish, that is, a mixture of fresh and saline water. It is possible that where these waters intermingle (fresh water moving down dip interrupting saline waters moving up dip) some accumulation might be found where the waters came to rest, the oil having been flushed from oil-bearing rocks in the vicinity. From the results obtained, however, it is apparent that there is not a large enough reservoir to form a commercial oil field.

It is unfortunate that where the drill-cuttings do not give any information as to the type of porosity in an oil well the prospector can only speculate on this point in continuing his exploratory work. Oil may be found under various conditions that will not be apparent from an examination of drill-cuttings, viz., faulted areas, open joints and bedding planes, certain shale beds, limestone or shale beds containing large fossil casts, and coral reefs. In this last class, the corals, most of the reefs are very limited in area and the porosity is not continuous. Isolated corals are very common, and in the well-known oil-bearing rocks corals containing oil are often exposed in quarries. A few years ago the Union Gas Company, using a small core-drill to confirm some geological determination, found "shows of oil" where their drill holes entered the Onondaga limestone, and in the core found such corals filled with oil.

It is the writer's belief that were the core drill more generally used exploratory work could be done with a better knowledge, and with underground conditions such as those discussed in the preceding paragraph no further drilling would be done.

The history of oil-drilling in southeastern Ontario shows that where oil is accompanied by brackish water, a field of commercial importance has never been developed. Most of such fields are found where the limestone is covered only by Pleistocene deposits. The Brooke township field is an exception to this. Other non-commercial fields are at Puce Creek, Maidstone township, and Belle River, Rochester township, Essex county; four miles northwest of the village of Iona in Dunwich township, Elgin county; and a few miles south of Tillsonburg in Dereham township, Oxford county. None of these proved to be profitable ventures.

Petroleum Refining

Seven petroleum refineries were in operation in Ontario in 1934, as listed below:—

PETROLEUM REFINERIES, 1934

Company	Location of refinery	Head office address
British American Oil Co., Ltd.	Foot of Cherry St., Toronto	Royal Bank Bldg., Toronto.
Burlington Refineries, Ltd.	.....	1209 Pigott Bldg., Hamilton.
Canadian Oil Companies, Ltd.	Petrolia	12 Strachan Ave., Toronto.
Goodrich Refining Co., Ltd.	Scarborough	3509 Danforth Ave., Toronto.
Imperial Oil Refineries, Ltd.	Sarnia	Sarnia.
Lloyds Refinery	Port Credit	Port Credit.
McColl-Frontenac Oil Co., Ltd.	Foot of Cherry St., Toronto	Royal Bank Bldg., Montreal, Que.

The total capacity of these refineries is 39,850 barrels.

A comparison of refining operations over a 6-year period is given in Table III. The figures in this table, together with those in Table IV, represent the consumption of petroleum products in Ontario, as nearly as it can be arrived at. Along the eastern and western boundaries of Ontario, there is some interprovincial

March 98

From Dr Fairbank Brook

No. 1 test NE cor lot 12 Con VII Brooke

drilled in 1898 Elevation 700

Surface	60	60
Shale	88	148
Top rock	43	191
Upper soap	168	359
Middle lime	21	380
Lower Soap	27	407 293
Bog Lime	90½	497½

no water gas or oil

Casing 6½ fat

No. 2. well lot 8 Con VIII Brooke

No 2 Howard

700

Surface	50	
Black shall	65	115
Top rock	25	140
Upper soap	227	367
middle lime	25	392
Lower soap	6	398 302
Bog lime	43	441

Bel at 416 40 bbls in 3 days

1312

GSC Summy Rept Pt E 1918 p 35.

Small Oil Field in Brooke Township.

A small oil field on lots 6, 7 and 8, con. II, Brooke tp., was producing oil from two or three wells in 1918, and it seems probable that other wells may still be brought in. The dome appears to be of considerable size, but its maximum elevation is low and only the extreme top contains oil.

The following log is of one of the best wells in this field:

682
288
394

Location. NW. ¼ lot 8, con. II, Brooke tp.

Elev 682

	Thickness. Feet.	Depth. Feet.
Surface	55	55
Ohio shale	4	59
Ipperwash limestone or "top rock"	5	64
Petrolia shale or "upper soap"	184	248
Widder beds or "middle lime"	18	266
Olentangy shale or "lower soap"	22	288
Delaware and Onondaga penetrated to	60	348
Oil at 66 feet and at bottom of well. 348		

... the depth of this well as 3,947 feet.	317	3,777

See Ont. Bur. Mines, Vol. XX, Part I, p. 254.
Top of well 667 feet above sea level.

Imperial Oil Co

Brooke tp., l. 5, con. IV (Ont. Bur. Mines, Vol. XV, Part I, p. 111): Comp. Mar. 3rd 1900.

Elev derrick floor 688± 690±

Surface deposits		
Clay	60	60
Gravel	5	65
Hamilton		
Shales	85	150
Upper lime	15	165
Upper soapstone	205	370
Middle lime, dark brown	25	395
Lower soapstone	25	420
Corniferous		
Limestone	115	535
Onondaga		
Dolomites, limestones and marls with gypsum and salt	1,300	1,835
Guelph and Niagara		
Limestones and dolomites	225	2,060
Niagara		
Dark shales	15	2,075
Clinton		
Limestone	35	2,110
Medina		
Red shales	440	2,550
Hudson River		
Light grey shales with limestone shells	275	2,825
Utica		
Dark shales	175	3,000
Trenton		
Limestone	380	3,380

Salt 1400-1410 [1420-1520 [1525-1625 [1635-1647 [1800-1825

Salt 1410-1655 with 3' layer lime at 1810-1835

Black Salt water at 500 ft.

Salt at 1960 3 bbls/day

No gas oil or water.

In the Onondaga, rock salt from 1,410 to 1,655 feet or 245 feet of it in a solid bed, with only 3 small layers of limestone. Rock salt 1 810-1,835 feet.
Top of well 690 feet above sea level.

This log differs from Imperial Log

See three pages back

Sarnia (Ont. Bur. Mines, Vol. XX, Part I, p. 254):

Drift	122	122
Black shale	40	162
Limestone	80	242
Shales	185	427
Limestone	30	457
Shales	46	503
Limestone	987	1,490
Gypsum	5	1,495
Shales and salt	15	1,510

Well Records in Ontario—Continued

Lambton County

Log No. 68.—Senator Michener, Toronto

Lot 1 W. ½, con. X, Brook tp. Wm Swan Farm
W.J. Hussey Driller.

Completed April 3, 1926. Dry Hole. 686

Formation	Thickness, ft.
Surface	56
Shale	90-146
Top rock	50-196
Top soap	120-316
Middle lime	30-346
Lower soap	55-401
Lower lime	107-508
Total depth	508

686
401
285

Localities and formations	Thickness Feet	Depth Feet	Depth at which oil or gas occurred
...t. Bur.			
.....	75	75	1,898 to 1,912 Gas
.....	106	181	
.....	17	198	
.....	34	232	
.....	998	1,230	
.....	35	1,265	
.....	57	1,322	
.....	238	1,560	
.....	166	1,726	
.....	40	1,766	
.....	127	1,893	
.....	5	1,898	
.....	14	1,912	
Oil Springs (Ont. Bur. Mines, Vol. XIV, Part I, p. 113):			
Surface			
Blue clay	58	58	
Hamilton			
"Top rock"	55	113	
Soapstone	109	222	
Middle lime	15	237	
Soapstone	30	267	
Corniferous			
Lower lime	131	398	
Enniskillen tp., l. 11, con. XI (Ont. Bur. Mines, Vol. XIV Part I, p. 113; *see also* Guide Book No. 4, Int Geol. Cong., 1913, p. 100; *see also* Ont. Bur. Mines, Vol. XV, Part I, p. 111):			
Surface			
Blue clay	90	90	
Hamilton			
Shale and limestone	240	330	
Onondaga			
Limestones (oil horizons)	190	520	
Monroe?			
Banded grey, brown and black dolomites	690	1,210	
Salina			
Salt	65	1,275	
Dolomite	20	1,295	
Salt and dolomite	140	1,435	
Dolomite	30	1,465	
Salt	90	1,555	
Salt and dolomite	50	1,605	
Salt	25	1,630	
Grey dolomite	10	1,640	
Salt	67	1,707	
Dolomite and salt	40	1,747	
Salt	138	1,885	
Dolomite, limestone, grey shales	130	2,015	
Salt	90	2,105	
Guelph and Niagara			
Dolomites	275	2,380	
Cataract?			
Red and dark shales	60	2,440	
Limestones	90	2,530	
Richmond (Queenston)			
Red shales	275	2,805	

Michigan Pacific Oil & Gas Co

John Hays Hammond
120 Broadway N.Y.

Elev 713

Brooke Tp. lot 10 Con XIII

Willits driller K. Holdbrook

Comp. Apr. 19th 1932 Elev. 715?
from samples.

Clay & gravel	54.	
Black shale	86-140	Casing
Upperwash lime	80-220	54' - 6 5/8"
Petrolia shale	130-350	? -5 3/16
Widder Beds	16-366	
dark shale 402-405		
Olentangy shale	39-405	Water
Onondaga lime	100-505	Sulfur 64'
(Arenaceous lime	490-505)	Salt - 520
Sandstone	2-507	" 1102 small
Detroit Riv. brown ls.	129-636	" 1220 to 1240 raises within 300' of surface
Salina dol. salt & gyp.	1284-1920	
Niagaran. gr. shr. dol.	295-2215	Show of oil
red shale	5-2220	2010 to 2015
gr. cal. sh.	125-2345	Fresh water 1500' L. Smith says Willits told him this ???
Queenston red sh.	292-263?	

Details 636 to 2345

Brown lime	76-636
Brown lime & gypsum.	9-645
light and dark lime	230-875
Sharp lime	115-990
Hard brown lime	12-1002
Soft " "	18-1020
Hard grey lime	115-1135
dark coarse lime	20-1155
Blue lime	65-1220
Brown lime	20-1240
	1778
lime	1885
Salt	25-1910
dark lime	35-1945
light & dark lime	35-1980
mixed lime	25-2005
light & dark lime	160-2165
Soft lime with pyrite	50-2215

From Hunt G.S.C. 1866.
Brock Tp. Brannons Mills Alvinston
Begun in Black shale

Black shale	80'
Grey shale	275'
Limestone	?

The following log shows the stratigraphy in this township.

Log of Michigan Pacific Gas and Oil Company Well

Location: lot 10, con. 13, Brooke tp. Elev 713

Formation	Depth	Thickness	Lithology
	Feet	Feet	
	0–55	55	Mixture of surface sand, clay, etc., and black shale.
Kettle Point	55–140	85	Shale: black and dark brownish; many spores throughout.
Hamilton	140–155	15	Limestone: grey, crystalline; little pyrite; some grey shale.
	155–160	5	Shale: grey; much limestone.
	160–170	10	Limestone: grey, crystalline; some grey shale; bryozoa.
	170–190	20	Shale: grey; much limestone; bryozoa; crinoid columns.
	190–220	30	Limestone: grey, crystalline; some grey shale; ostracods; pyrite.
	220–290	70	Shale: grey; traces grey limestone; Tentaculites; pyrite.
	290–300	10	Unreliable samples.
	300–350	50	Shale: grey; ostracods; brachiopods.
	350–360	10	Limestone: grey, crystalline; some shale.
	360–400	40	Shale: grey; some limestone at 395 feet; Bryozoa; brachiopods.
Norfolk	400–505	105	Limestone: grey, fine-grained, and dense.
	505–510	5	Limestone: brownish grey, finely granular, few sand grains.
	510–580	70	Limestone: magnesian, grey, finely granular.
	580–650	70	Limestone: brownish grey; fine-grained; traces pyrite and black films.
	650–660	10	Limestone: brownish grey, finely granular; few rounded sand grains.
	660–770	110	Limestone: brownish grey, finely crystalline; traces of gypsum.
	770–975	205	Limestone: brownish grey, finely crystalline; little chert throughout.
	975–980	5	Chert: grey; little grey limestone.
	980–1,000	20	Limestone: grey, fine-grained; much grey chert.
Bertie-Akron	1,000–1,070	70	Limestone: magnesian, grey to brown, finely crystalline to dense.
	1,070–1,115	45	Dolomite: brownish grey, dense; little gypsum 1,080 to 1,090 feet.
Salina	1,115–1,160	45	Dolomite: brown, dense; trace of gypsum throughout.
	1,160–1,210	50	Shale: calcareous, greenish grey; traces of gypsum.
	1,210–1,220	10	Dolomite: brownish grey, dense; traces of gypsum.
	1,220–1,240	20	Unreliable mixed samples.
	1,240–1,330	90	Dolomite: brownish grey, dense; grey and shaly at 1,270 and 1,300 feet; much gypsum at 1,280 feet.
	1,330–1,345	15	Mixture brown dolomite and grey, limy shale; traces gypsum.
	1,345–1,370	25	Salt.
	1,370–1,420	50	Shale: grey; trace of gypsum throughout.
	1,420–1,430	10	Dolomite: brown, dense; trace gypsum.
	1,430–1,440	10	Shale: grey; much gypsum.
	1,440–1,735	295	Salt.

Log of Michigan Pacific Gas and Oil Company Well—Concluded

Formation	Depth	Thickness	Lithology
	Feet	Feet	

Brooke Township. A low, west-trending, elongated dome is present near the south boundary of Brooke township. It is about 4 miles long and 1 mile wide, occupying the north part of lots 3 to 14, con. 2, and the southern part of the adjoining lots in concession 3. Closure is between 20 and 40 feet. The structure is isolated and the rate of dip on the flanks is unknown.

According to Williams[1], two or three wells on this structure were producing oil in 1918. In 1934 and 1935, eight or nine more wells were drilled, but available records indicate that only two produced any oil. All the wells are shallow, from 350 to 456 feet deep. Yield was very small and from near the top of the Norfolk formation.

In the northeast part of Brooke township about forty wells were drilled during the years 1934 and 1937. These are on lots 21 to 30, cons. 11 to 14. They range in depth from 392 to 510 feet. Only about ten of these wells struck oil and the initial yields varied from 2 to 25 barrels a day. Several other wells are reported to have encountered small shows of oil. Production is from the upper part of the Norfolk formation where one to three pay streaks are indicated. One well encountered 50 M cubic feet of natural gas in the black shales at a depth of about 160 feet from the surface. Peak production from Brooke township was in 1934 with 1,941 barrels. Production fell to 52 barrels in 1939.

There is no well-defined structure to account for the small accumulation in this field. Most of the wells are near the 400-foot structure contour. This contour does, however, suggest very small and local increases in the regional inclination in the vicinity of those wells that found oil.

[1]Williams, M. Y.: Geol. Surv., Canada, Sum. Rept. 1918, pt. E, p. 35.

Elsewhere in Brooke township a few widely scattered dry wells have penetrated the Norfolk formation without success. However, approximately one-half of the towsnhip still remains untested.

Euphemia Township. A west-trending, irregular-shaped anticline occupies most of the north half of Euphemia township and extends eastward into Mosa township a distance of about 3 miles. It is about 10 miles long and 2 to 3 miles wide. Dips on the flanks average between 15 and 20 feet a mile and show a reversal on the north within 4 miles of the crest.

At the west end of the structure and occupying lots 24 to 28, con. 4, is a small dome with approximately 40 feet of closure. Dips here are steeper than on the main structure, averaging 35 to 40 feet a mile. The old Shetland oil field was located on the north part of this dome, occupying lots 26, 27, and 28, con. 4, Euphemia tp.[1] By 1896, about thirty wells had been drilled in this field; most of these had apparently been completed 10 years previously. In 1896 the average yield of six producing wells was $\frac{1}{6}$ barrel a day, although some yielded 20 to 30 barrels a day for a short time.[2] The exact location of most of these early wells is not known. In 1939, two wells were drilled within the area of the old field: one was dry and the other

[1] Williams, M. Y.: Geol. Surv., Canada, Sum. Rept. 1918, pt. E, p. 36.
[2] Ont. Bur. Mines, vol. 5, 1895, p. 25.

Brooke Township

Oil Gas Journal March 8th 1934

Leo Wilson #4 on Audrey Farm lot 28 XII 25 bbls.

Leo Wilson Synd #3 was any Bowie farm lot 26 Con XII

#2 lot 29 Con XIII 15 bbls

Wilson discovery #1 lot 23 Con XIII 20 bbls. had 13 ft of oil sand in Big Lime

Wilson & Gregory lot Con XI show oil in crevice

Jas (Scotty) Miller is moving Black Bear Synd outfit from Wilkes part to test for Bert Wilson on lot 20 Con XIV

Don Willits in lot 24 Con XII has oil in crevice above Big Lime

From
Brookfield Oil & Gas Co.
Lot. 22 Con. XIV Brooke Tp

Shut down early in 1935 no log

Michigan Pacific Oil & Gas Co.

1932
Property Owner Kenneth Holdbrook
Lot 10, Con XIII. Brooke tp.

Brookfield Oil & Gas Co
Brooke Tp Lot 23 W 1/2
~~[illegible]~~ E Con X 111 ~~[illegible]~~
Completed Dec. 21/33
G. Willits Driller

Surface	62	
Grey & brown shale	29	91
Top rock	49	140
Upper soap	160	300
Middle lime	19	319
Lower soap	29	348
Black streak	4	352 ~~348~~
Big lime	124	476
	476	

Brookfield began a well in lot 22 Con XIV
They drilled a considerable depth and shut down
no log ever submitted

WALKER SALT CORPORATION, LTD.
Lot 41, Port Franks, Bosanquet tp.

Completed September 11, 1934.
Dry hole.

Formation	Thickness, ft.
Sand	23
Quicksand	27
Gravel	2
Grey shale	195
Black sand	3
Fossil	7
Limestone	70
Black sand	1
Limestone	88
Limestone and gyprock	17
Limestone	503
Limestone and gyprock	13
Limestone	128
Limestone and shale	148
Salt	3
Salt and limestone	57
Salt	87
Limestone	10
Total depth	1,382

Fresh water at 50 and 248 feet; sulphur water at 258 and 704 feet; sulphur water at 704 feet; salt water at 278 and 990 feet.

DR. JOHN BLAKE AND FRED CRAFT
Lot 29, con. XII, Brooke tp.

Completed February 16, 1934.
Dry hole.

Formation	Thickness, ft.
Clay and quag	45
Hardpan	5
Gravel	31
Top lime (very streaked, soft and hard)	47
Upper soapstone	162
Middle lime	20
Lower soapstone	25
Dark streak	4
Lower lime	130
Total depth	469

Very small show of oil at 405, 423, and 460 feet.

BROOKEFIELD OIL AND GAS CO.
Lot 22, con. XIV, Brooke tp.

Completed April 6, 1934.
Dry hole.

Formation	Thickness, ft.
Surface	102
Black and grey shale	15
Grey shale and top rock	79
Top soap	134
Middle lime	20
Lower soap	30
Black streak	8
Big lime	122
Total depth	510

BROOKEFIELD OIL AND GAS CO.
Lot 23, con. XII, Brooke tp.

Completed June 21, 1934.
Dry hole.

Formation	Thickness, ft.
Surface	48
Gravel	4
Black shale	23
Top lime	55
Soap and lime	25
Upper soap	130
Middle lime	23
Lower soap	25
Dark shell	4
Lower lime	133
Total depth	470

Small show of oil at 388 feet.
Show of oil and brackish water at 424 to 429 feet.
Fresh water at 48 feet.

BROOKEFIELD OIL AND GAS CO.
Lot 23, con. XIII, Brooke tp.

Completed June 7, 1934.
Dry hole.

Formation	Thickness, ft.
Surface	50
Hardpan	7
Black gravel	8
Black shale	25
Top lime	80
Soapstone	129
Middle lime	23
Lower soap	26
Dark streak	5
Lower lime	121
Grey and blue lime	3
Light-brown sand	9
Total depth	486

Small show of oil at 359 to 364 and 370 to 375 feet.
Fresh water at 57 feet; salt water at 438 to 444 and 462 to 468 feet.

BROOKEFIELD OIL AND GAS CO.
Lot 23, con. XII, Brooke tp.

Completed June 21, 1934.
Dry hole.

Formation	Thickness, ft.
Surface	48
Gravel	4
Black shale	23
Top lime	55
Soap and lime	25
Upper soap	130
Middle lime	23
Lower soap	25
Dark shell	4
Lower lime	133
Total depth	470

Show of oil at 388 feet.
Fresh water at 48 feet; brackish water at 424 to 429 feet.

BROOKEFIELD OIL AND GAS CO.
Lot 22, con. XIV, Brooke tp.

Completed May 23, 1934.
Dry hole.

Formation	Thickness, ft.
Surface	60
Hardpan	3
Hard shale and hard streak	15
Top rock and grey shale	87
Top soap	131
Middle lime	20
Lower soap	33
Big lime	96
Total depth	445

Show of gas at 167 feet.
Show of oil at 410 to 414 feet.
Salt water at 419 to 445 feet.

BROOKEFIELD OIL AND GAS CO.
Lot 27, con. XII, Brooke tp.

Completed March 30, 1934.
Dry hole.

Formation	Thickness, ft.
Surface	30
White sand	28
Gravel	19
Top rock	78
Top soap	135
Middle lime	20
Lower soap	28
Big lime	121
Total depth	459

Small show of oil at 346, 410, and 420 feet.

BERT WILSON
Lot 28, con. XIII, Brooke tp.
Completed May 8, 1934.
Dry hole.

Formation	Thickness, ft.
Surface	28
White sand	38
Gravel	6
Grey shale	7
Top rock	73
Top soap	135
Middle lime	22
Lower soap	34
Big lime	128
Total depth	471

Small show of oil at 456 and 346 feet.

CULLEN AND WALSH
Lot 16, con. XII, Brooke tp.
Completed May 23, 1934.
Dry hole.

Formation	Thickness, ft.
Clay	91
Hardpan	25
Brown shale	29
Streaks of lime and soap	55
Soap	139
Middle lime	31
Lower soap	30
Big lime	140
Total depth	540

Fresh water at 97 feet.; sulphur water at 535 feet.

GUARDIAN PETROLEUM DEVELOPMENT CO.
Lot 7, N.W. ¼, con. II, Brooke tp.
Completed November 21, 1934.
Dry hole.

Formation	Thickness, ft.
Surface	52
Top rock	47
Soap and lime	216
Lower lime	135
Total depth	450

Very small show of oil at 320 and 438 feet.
Fresh water at 58 feet; salt water at 345 feet.

GUARDIAN PETROLEUM DEVELOPMENT CO.
Lot 7, N.E. ¼ of W. ½, con. II, Brooke tp.
Completed December 20, 1934.
A small oil well.

Formation	Thickness, ft.
Surface	56
Top rock	74
Soapstone	140
Middle lime	12
Soapstone	28
Big lime	45
Total depth	355

Oil at 323 and 337 feet.
Fresh water at 57 feet.

GUARDIAN PETROLEUM DEVELOPMENT CO.
Lot 7, N.W. ¼, con. II, Brooke tp.
Completed October 31, 1934.
Dry hole.

Formation	Thickness, ft.
Surface	52
Top rock	47
Soap and lime	216
Big lime	135
Total depth	450

Fresh water at 58 feet.

GUARDIAN PETROLEUM DEVELOPMENT CO.
Lot 7, N.E. ¼ of W. ½, con. II, Brooke tp.
Completed November 24, 1934.
Producing oil well.

Formation	Thickness, ft.
Surface	50
Top rock	37
Soap and lime	38
Soapstone	186
Big lime	45
Total depth	356

Oil at 316 feet.
Fresh water at 57 feet.

F. W. KEHLET
Lot 28, con. VIII, Brooke tp.
Completed August 23, 1934.
Dry hole.

Formation	Thickness, ft.
Clay	70
Hardpan	5
Black shale	10
Blue shale	3
Top lime	37
Upper soap	169
Middle lime	23
Lower soap	28
Lower lime	127
Total depth	472

Fresh water at 75 feet.

F. W. KEHLET
Lot 18, con. XII, Brooke tp.
Completed May 22, 1934.
Dry hole.

Formation	Thickness, ft.
Surface	72
Huron black shale	43
Hamilton lime and shale	270
Onondaga lime	125
Onondaga-Oriskany	5
Detroit River	8
Total depth	523

Fresh water at 72 feet; water at 437 to 443 and 515 to 518 feet.

F. W. KEHLET
Lot 29, con. XII, Brooke tp.
Completed May 3, 1934.
Dry hole.

Formation	Thickness, ft.
Surface	93
Hamilton lime and shale	248
Onondaga lime	131
Oriskany sand	3
Total depth	475

Fresh water at 63 feet; water at 466 feet.

R. E. MCARTHUR
Lot 28, E. ½, con. XI, Brooke tp.
Completed June 18, 1934.
Dry hole.

Formation	Thickness, ft.
Brown clay	20
Blue clay	34
Hardpan	16
Brown shale	10
Hard shells	10
Shale and shells	70
Soapstone	81
Shells	4
Soapstone	8
Shells	10
Soapstone	27
Limestone	20
Soapstone	30
Limestone	74
Total depth	414

Black water at 395 to 397 feet; salt water at 410 feet.

DEMARAY AND NICHOLS

S. Henderson No. 1, lot 3, con. II, Brooke tp.

Driller: Demaray and Nichols.
Completed September 18, 1950.
Producing gas well.

Formation	Depth, ft.
Surface	55
Black shale	77
Top rock with shale streaks	150
Soap	285
Middle lime	302
Lower soap	324
Lower lime	352

Oil at 336 and 347 feet.
Fresh water at 55 feet.

DEMARAY AND NICHOLS

S. Henderson No. 2, lot 3, con. II, Brooke tp.

Driller: Demaray and Nichols.
Completed November 5, 1950.
Producing oil well

Formation	Depth, ft.
Surface	56
Black shale	75
Top rock with shale streaks	146
Uppersoap	281
Middle lime	299
Lower soap	322
Lower lime	356

Oil at 335 feet.
Fresh water at 56 feet.

DEMARAY AND NICHOLS

F. Lassaline No. 1, lot 3, con. I, Brooke tp.

Driller: Demaray and Nichols.
Completed December 6, 1950.
Dry hole.

Formation	Depth, ft.
Surface	54
Black shale	89
Top rock and grey shale	160
Soap	289
Middle lime	311
Lower soap	334
Lower lime	390

Show of oil at 345 feet.
Fresh water at 58 feet.

Brookfield Oil & Gas Co.
Brooke tp. Lot 29, con. XIII.
Driller G.E. & D.E. Willits,
Owner H. Watson #1
Completed Jan. 15/34.

Clay	15
Quag	30
Gravel	28
Soft grey shale	4
Hardpan	11
Top lime	24
Top soap	177
Middle lime	21
Lower soap	26
Dark streak	4
Lower lime	152
	492

Plugged at 474 feet.

F. W. Kehlet,
Brooke tp. lot 28, con. VIII.
Driller Willits
Completed August 23/34
Dry hole.

Clay	70
Hardpan	5
Black shale	10
Blue shale	3
Top lime	37
Upper soap	169
Middle lime	23
Lower soap	28
Lower lime	127
	472

Sovereign Oil & Gas Co.
Lot 24, con. XIII, Brooke tp.

Top of line 337
Total depth 467

DRY HOLE

GUBB AND RUSSELL

F. Braithwaite No. 2, lot 9, con. II, Brooke tp.

Completed September 21, 1935.
Dry hole.

Formation	Thickness, ft.
Surface	52
Top rock	80
Upper soap	132
Middle lime	21
Lower soap	25
Big lime	90
Total depth	400

Fresh water at 52 feet; salt water at 400 feet.

GUBB AND RUSSELL

F. Braithwaite No. 3, lot 9, con. II, Brooke tp.

Completed October 8, 1935.
Dry hole.

Formation	Thickness, ft.
Surface	52
Black shale	13
Top rock	70
Upper soap	139
Middle lime	10
Lower soap	32
Big lime	40
Total depth	365

Fresh water at 58 feet.

GUBB AND RUSSELL

H. Wilcox No. 1, lot 10, pt. of W.½, con. II, Brooke tp.

Completed May 15, 1935.
Dry hole.

Formation	Thickness, ft.
Surface	58
Top rock	73
Soapstone	134
Middle lime	19
Lower soap	27
Big lime	145
Total depth	456

Fresh water at 57 feet; salt water at 455 feet.

LILEY AND WINKLER

W. Cambell No. 1, lot 8, con. II, Brooke tp.

Completed May 22, 1935.
Producing oil well.

Formation	Thickness, ft.
Surface	58
Top rock	71
Top soap	135
Middle lime	21
Lower soap	27
Big lime	88
Total depth	400

Oil at 332 feet.
Fresh water at 59 feet.

LILEY AND WINKLER

W. Cambell No. 2, lot 8, con. II, Brooke tp.

Completed June 19, 1935.
Dry hole.

Formation	Thickness, ft.
Surface	59
Black shale	16
Top rock	15
Top soap	136
Middle lime	21
Lower soap	27
Big lime	37
Total depth	351

Fresh water at 58 feet.

SCIENTIFIC OIL AND GAS SYNDICATE

R. Serson No. 2, lot 27, con. XII, Brooke tp.

Completed October 8, 1935.
Producing gas well.
Small show of oil.

Formation	Thickness, ft.
Surface clay	52
Hardpan	13
Black shale	11
Grey shale	7
Lime	4
Lime and soap	43
Hard grey lime	10
Lime and soap	18
Hard grey lime	3
Soap	125
Soapy lime	4
Middle lime	25
Lower soap	23
Dark lime	8
Lower lime	107
Total depth	453

Gas at 160 feet.
Show of oil at 401 and 452 feet.
Fresh water at 55 feet; salt water at 401 to 452 feet; black water at 453 feet.

BERT WILSON

J. Lewis No. 2, lot 27, con. XII, Brooke tp.

Completed April 13, 1935.
Dry hole.

Formation	Thickness, ft.
Clay	30
Sand	30
Gravel	15
Grey shale	5
Top rock	80
Top soap	128
Middle lime	26
Lower soap	19
Grey lime	12
Big lime	120
Total depth	465

Salt water at 150 feet.

LEO WILSON ET AL.

R. Serson No. 1, lot 27, con. XII, Brooke tp.

Completed March 22, 1935.
Producing gas well.
Small oil yield.

Formation	Thickness, ft.
Clay	52
Black gravel	16
Grey shale	27
Soap	30
Hard lime	3
Soap	22
Lime	4
Soap	133
Middle lime	21
Soap	21
Dark lime	8
Big lime	128
Total depth	475

Gas at 95 feet.
Oil at 348 feet.
Sulphur water at 68 to 80 feet; brackish water at 400 to 405 feet; dark salt water at 450 to 475 feet.

BERT WILSON

P. Kingston No. 1, lot 21, con. XIII, Brooke tp.

Completed April 8, 1936.
Dry hole.

Formation	Thickness, ft.
Clay	63
Hardpan shale	30
Grey lime	3
Grey shale	13
Grey lime	9
Lime and soap	54
Soap	132
Middle lime	21
Soap	28
Delaware lime	5
Grey lime	111
Total depth	469

Show of oil at 414 and 440 to 445 feet.
Fresh water at 70 feet; salt water at 414 feet.

BROOKEFIELD OIL AND GAS CO., LTD.

F. Atcheson No. 3, lot 23, con. XIII, Brooke tp.

Completed February, 1935.
Dry hole.

Formation	Thickness, ft.
Clay	57
Hardpan	3
Black shale	22
Blue shale	5
Lime and soap	98
Soap	115
Middle lime	20
Lower soap	32
Big lime	82
Total depth	434

Show of gas at 400 to 405 feet.
Show of oil at 352 to 354 and 365 to 372 feet.
Fresh water at 57 to 60 feet; salt water at 432 feet.

MISS JOHNSTONE

F. Atcheson No. 4, lot 23, W. ½, con. XIII, Brooke tp.

Completed May 19, 1936.
Dry hole.

Formation	Thickness, ft.
Surface	62
Black shale	23
Grey shale	4
Lime and soap	76
Soap	134
Middle lime	20
Soap	32
Lower lime	149
Total depth	500

Fresh water at 62 feet; salt water at 480 feet; sulphur water at 495 feet.

P. D. BORNMAN

O. Lloyd No. 1, lot 1, E. ½, con. VI, Brooke tp.

Completed December 26, 1936.
Dry hole.

Formation	Thickness, ft.
Clay	58
Black shale	49
Grey lime	3
Hard black shale	26
Hard grey lime	6
Lime and soap	66
Soap	132
Middle lime	20
Soap	31
Lower lime	139
Total depth	530

Fresh water at 58 feet; sulphur water at 495 feet.

OLGA GAS AND OIL CO., LTD.

C. McDonald No. 1, lot 17, con. VIII, Euphemia tp.

Completed July, 1935.
Dry hole.

Formation	Thickness, ft.

BROOKEFIELD OIL AND GAS CO., LTD.

F. Atcheson No. 3, lot 23, con. XIII, Brooke tp.

Completed February, 1935.
Dry hole.

Formation	Thickness, ft.
Clay	57
Hardpan	3
Black shale	22
Blue shale	5
Lime and soap	98
Soap	115
Middle lime	20
Lower soap	32
Big lime	82
Total depth	434

Show of gas at 400 to 405 feet.
Show of oil at 352 to 354 and 365 to 372 feet.
Fresh water at 57 to 60 feet; salt water at 432 feet.

BROOKEFIELD OIL AND GAS CO., LTD.

T. Scott No. 1, lot 22, con. XIII, Brooke tp.

Completed March 15, 1935.
Small producing oil well.

Formation	Thickness, ft.
Clay	61
Black shale	27
Top rock	3
Grey shale	74
Top soap	130
Middle lime	23
Lower soap	26
Big lime	117
Total depth	461

Oil at 416 to 418, 422, and 454 to 457 feet.

EMPIRE GOLD CO., LTD.

R. Powell No. 1, lot 25, con. XIII, Brooke tp.

Completed March 1935.
Dry hole.

Formation	Thickness, ft.
Surface	55
Black shale	25
Grey lime and soap	85
Soap	135
Lime	18
Lower soap	33
Lower lime	54
Total depth	405

Show of oil at 354 feet.
Fresh water at 55 feet; salt water at 405 feet.

1935

Sovereign Oil & Gas Co.
Geo. Bowie, lot 24 con. XIII
Brooke tp.

Top of lime	337
Total depth	467
DRY HOLE	

H. McLellan
Lot 27, con. XIII, Brooke tp.
Completed February 27, 1934.
Small oil producer.
Plugged September 27, 1934.

Formation	Thickness, ft.
Clay	50
Sand	12
Gravel	11
Hardpan	12
Grey shale and lime	75
Top soap	132
Middle lime	18
Lower soap	26
Dark streak	9
Lower lime	115
Total depth	460

Oil at 371, 410, 420, and 455 feet.
Salt water at 371, 410, 420, and 455 feet.

F. L. Patterson
Lot 22, con. V, Brooke tp.
Completed November 23, 1934.
Dry hole.

Formation	Thickness, ft.
Loam	7
Black shale	15
Blue shale	23
Blue and black shale	10
Brown shale	5
Brown and black shale	40
Top lime (streaked)	65
Upper soapstone	129
Middle lime	26
Lower soapstone	17
Dark streak	6
Lower lime	95
Sharp sand (light)	3
Mixed lime and sand	4
Total depth	445

Stevens King Syndicate
Lot 12, con. IX, Brooke tp.
Completed May 2, 1934.
Dry hole.

Formation	Thickness, ft.
Clay	46
Black shale	90
Lime	70
Soap	10
Lime	5
Soap	90
Lime	5
Soap	9
Middle lime	35
Lower soap	20
Lower lime	121
Total depth	501

Gas at 219 feet.
Show of oil at 387 feet.
Salt water at 500 feet.

Stoddard and Darke
Lot 28, con. XII, Brooke tp.
Completed May 12, 1934.
Dry hole.

Formation	Thickness, ft.
Surface	66
Hardpan and gravel	10
Soapstone	17
Limestone	5
Soapstone	37
Limestone	5
Soapstone	150
Limestone	20
Soapstone	33
Limestone	117
Total depth	460

Fresh water at 66 feet; salt water at 460 feet.

Stoddard and Darke
Lot 28, W. ½ of E. ½, con. XIII, Brooke tp.
Completed March 20, 1934.
Small oil well.

Formation	Thickness, ft.
Clay and quag	55
Hardpan and gravel	19
Blue soft shale	10
Top lime	80
Upper soap	127
Middle lime	21
Lower soap	26
Dark shell	6
Lower lime	117
Total depth	461

Oil at 390 to 396 feet.
Brackish water at 390 to 396 feet.

Stoddard and Darke
Lot 28, con. XIV, Brooke tp.
Completed April 23, 1934.
Dry hole.

Formation	Thickness, ft.
Clay	15
Sand and stone	65
Soapstone	40
Limestone	15
Soapstone	157
Limestone	20
Soapstone	32
Limestone	111
Total depth	455

Show of gas at 260 and 410 feet.
Fresh water at 15 and 80 feet; salt water at 410 and 452 feet.

Dr. Blake and Craft
Lot 27, con. XII, Brooke tp.
Completed March 23, 1934.
Dry hole.

Formation	Thickness, ft.
Surface	75
Shale	5
Top lime	78
Upper soap	132
Middle lime	20
Lower soap	28
Dark streak	6
Lower lime	118
Total depth	462

Show of oil at 345 to 350 feet and 380 to 385 feet.
Fresh water at 75 feet; salt water at 345 to 350 feet and 380 to 385 feet.

Leo Wilson
Lot 25, con. II, Brooke tp.
Completed July 4, 1934.
Dry hole.

Formation	Thickness, ft.
Clay	60
Hardpan	5
Black shale	15
Soap	3
Top rock	5
Grey shale	3
Rock	2
Grey shale	5
Streak rock	35
Grey shale	7
Soap and shale	158
Middle lime	20
Lower soap	32
Lower lime	115
Total depth	465

Fresh water at 65 feet; salt water at 465 feet.

WILSON, BROWN AND SULLIVAN CO.

Lot 29, con. XIII, Brooke tp.

Completed January 15, 1934.
Initial oil yield: about 20 bbls. per day.

Formation	Thickness, ft.
Clay	15
Quag	30
Gravel	28
Grey shale	4
Hardpan	11
Top rock	24
Top soap	177
Middle lime	21
Lower soap	26
Black streak	4
Lower lime	152
Total depth	492

Oil at 395 and 455 feet.
Water at 50 and 484 feet.

BERT WILSON

Lot 26, con. XII, Brooke tp.

Completed February 13, 1934.
Dry hole.

Formation	Thickness, ft.
Clay	31
White sand	21
Gravel	2
Light-brown shale	32
Grey shale	76
Top soap	133
Middle lime	23
Lower soap	24
Lower lime	140
Total depth	482

Fresh water at 50 feet; salt water at 482 feet.

BERT WILSON

Lot 28, W. ½, con. XI, Brooke tp.

Completed July 6, 1934.
Dry hole.

Formation	Thickness ft.
Surface	72
Lime and shale	88
Top soap	130
Middle lime	20
Lower soap	31
Big lime	127
Total depth	468

BERT WILSON ET AL.

Lot 28, con. XIII, Brooke tp.

Completed May 8, 1934.
Dry hole.

Formation	Thickness, ft.
Surface	62
Grey shale	7
Top rock	73
Top soap	135
Middle lime	22
Lower soap	34
Big lime	128
Total depth	471

Show of oil at 346 and 456 feet.
Fresh water at 68 feet; salt water at 346 and 471 feet.

BERT WILSON

Lot 23, E. ½, con. XIII, Brooke tp.

Completed March 8, 1934.
Dry hole.

Formation	Thickness, ft.
Clay	58
Hardpan	26
Top rock	8
Soap	6
Grey shale	67
Top soap	131
Middle lime	21
Lower soap	25
Lower lime	134
Total depth	476

LEO WILSON

Lot 27, W. ½, con. XI, Brooke tp.

Completed February 24, 1934.
Oil yield: about 15 bbls. per day.

Formation	Thickness, ft.
Clay	42
Gravel	29
Black shale	9
Grey shale	8
Top rock	5
Grey shale	5
Grey lime	7
Grey shale	27
Grey hard lime	8
Top soap	156
Middle lime	22
Lower soap	26
Big lime	116
Total depth	460

Oil at 373 and 418 to 426 feet.
Fresh water at 50 feet.

LEO WILSON ET AL.

Lot 27, con. XII, Brooke tp.

Completed March 22, 1935.
Small oil well.

Formation	Thickness, ft.
Surface	52
Black gravel	16
Black shale	10
Grey shale	27
Soap	30
Hard lime	3
Soap	22
Lime	4
Soap	133
Middle lime	21
Soap	21
Dark lime	8
Grey lime	128
Total depth	475

Gas at 95 feet.
Oil at 348 feet.
Sulphur water at 68 to 80 feet; fresh water at 400 to 405 feet; dark salty water at 450 to 475 feet.

STODDARD AND DARKE

Lot 28, con. XII, Brooke tp.

Completed March 14, 1934.
Oil yield: 23 bbls. per day.

Formation	Thickness, ft.
Clay	66
Black gravel	4
Grey shale	3
Black gravel	3
Limestone	18
Lime and soapstone	4
Limestone	12
Soapstone	14
Limestone	4
Soapstone	19
Limestone	7
Soapstone	100
Grey shale	3
Soapstone	29
Limestone	21
Soapstone	32
Limestone	113
Total depth	452

Oil at 342, 395, and 407 feet.
Fresh water at 66 and 79 feet.

SULLIVAN AND WILSON

M. McLachlan No. 3, lot 22, con. XIII, Brooke tp.
Completed July 15, 1937.
Dry hole.

Formation	Thickness, ft.
Surface clay	66
Black gravel	3
Black shale	25
Top rock	77
Soap	104
Lime streak	5
Soap	20
Middle lime	25
Lower soap	21
Delaware	11
Lower lime	112
Total depth	470

Fresh water at 70 feet; salt water at 465 feet.

BERT WILSON

A. Gilliand No. 1, lot 22, con. XIII, Brooke tp.
Completed April 15, 1937.
Dry hole.

Formation	Thickness, ft.
Surface	64
Black shale	22
Lime	84
Soap	118
Lime	7
Soap	15
Lime	32
Soap	24
Dark lime	8
Lime	101
Total depth	475

Fresh water at 60 feet; salt water at 470 feet.

F. L. DAVIDSON AND SON

A. L. Eastabrook No. 1, lot 26, con. XIV, Brooke tp.
Completed March 7, 1941.
Producing oil well.

Formation	Thickness, ft.
Surface	108
Upper lime	12
Upper soap	125
Middle lime	17
Lower soap	46
Dark lime	6
Big lime	116
Total depth	430

Show of gas at 285 feet.
Oil at 392 feet.
Fresh water at 80 feet.

W. L. FORREST

D. Zavitz No. 1, lot 14, con. XI, Brooke tp.
Completed May 20, 1941.
Dry hole.

Formation	Thickness, ft.
Surface	70
Shale	80
Top rock	45
Upper soap	120
Middle lime	22
Lower soap	50
Big lime	133
Total depth	520

Show of oil at 480 feet.
Fresh water at 70 feet.

UNION GAS CO. OF CANADA, LTD.

Hornick No. 1, lot 12, con. VIII, Dawn tp.
Completed August 3, 1937.
Dry hole.

Formation	Thickness, ft.
Surface	32
Brown shale	163
Lime and shale	200
Brown lime	75
Grey lime	280
Sharp grey lime	130
Brown lime	5
Grey lime and gypsum	10
Brown, grey, and blue lime	105
Brown and blue lime and gypsum	50
Blue lime	55
Brown, blue, and grey lime	215
Salt and lime shell	35
Salt	70
Salt and lime shell	15
Salt	30
Brown lime	20
Salt	15
Brown and blue lime	45
Grey lime	225
Total depth	1,775

Fresh water at 32 feet; sulphur water at 480 and 515 feet; salt water at 1,765 and 1,775 feet.

See back page

UNION GAS CO. OF CANADA, LTD.

Johnston No. 1, lot 11, con. VIII, Dawn tp.
Completed May 11, 1937.
Dry hole.

Formation	Thickness, ft.
Surface	33
Brown shale	192
Lime and shale	230
Grey and brown lime	70
Sharp grey lime	50
Brown lime	250
Sharp grey and brown lime	150
Brown lime	105
Grey and brown lime and gypsum	25
Blue lime	85
Brown lime	125
Blue, and blue and brown lime	110
Salt and brown lime	45
Brown lime	45
Grey lime	85
Grey and brown lime	135
Brown lime	75
Grey lime	65
Blue shale	5
Total depth	1,880

Small flow of gas at 1,604 feet.
Fresh water at 33 feet; salt water at 1,615, 1,735, and 1,860 feet.

WILSON-SULLIVAN DEVELOPMENT CO.

L. Foster No. 2, lot 28, con. XIV, Brooke tp.

Completed June 8, 1942.
Dry hole.

Formation	Thickness, ft.
Surface	90
Top rock	38
Upper soap	137
Middle lime	21
Lower soap	28
Big lime	121
Total depth	435

Show of oil at 377 feet.
Fresh water at 90 feet; salt water at 410 feet.

WILSON-SULLIVAN DEVELOPMENT CO.

Cran Bros. No. 1, lot 25, con. XIV, Brooke tp.

Completed March 1, 1942.
Dry hole.

Formation	Thickness, ft.
Surface	74
Black shale	6
Top rock	78
Upper soap	132
Middle lime	20
Lower soap	29
Big lime	121
Total depth	460

Show of gas at 152 feet.

WILSON-SULLIVAN DEVELOPMENT CO.

L. Foster No. 3, lot 28, con. XIV, Brooke tp.

Completed July 27, 1942.
Dry hole.

Formation	Thickness, ft.
Surface	83
Top rock	57
Upper soap	133
Middle lime	25
Lower soap	30
Big lime	113
Total depth	441

Show of oil at 385 to 390 feet.
Fresh water at 82 feet.

WILSON-SULLIVAN DEVELOPMENT CO.

G. Edgar No. 1, lot 27, con. XIV, Brooke tp.

Completed May 7, 1942.
Producing oil well.

Formation	Thickness ft.
Surface	82
Top rock	52
Upper soap	138
Middle lime	19
Lower soap	28
Big lime	71
Total depth	390

Show of oil at 328 feet; oil at 380 feet.
Fresh water at 90 feet.

UNION GAS CO. OF CANADA, LTD.

R. Alderman No. 1, lot 6, con. II, Brooke tp.

Completed February 9, 1944.
Dry hole.

Formation	Depth, ft.
Surface	52
Shale	54
Grey lime	62
Top rock	104
Soap and lime shell	277
Soap	304
Grey lime	352
Brown lime	652
Sharp brown and grey lime	870
Brown lime	933
Brown and grey lime	963
Blue lime and gypsum	974
Brown and grey lime	1 004
Brown and blue lime	23
Blue and grey lime	14
Brown lime	1,156
Brown and grey lime	1,264
Blue lime	1,335
Salt	1,574
Brown lime	1,638
Dark-grey lime	1,705
Salt and lime shell	1,723
Grey lime	1,741
Brown lime	1,822
Grey lime	1,878
Brown lime	1,890
Grey lime	1,962

Fresh water at 52 feet, sulphur water at 510 to 515 and 525 feet; salt water at 1,890 to 1,896 feet.

Salt	55
Grey lime	5
Brown and grey lime	130
Grey lime	5
Total depth	2,025

Show of oil at 373, 415 to 420, and 428 to 433 feet.
Fresh water at 57 and 115 feet; salt water at 480 feet.

WILSON-SULLIVAN DEVELOPMENT CO.

G. Edgar No. 2, lot 27, con. XIV, Brooke tp.

Completed September 22, 1942.
Producing oil well.

Formation	Thickness, ft.
Surface	82
Top rock	53
Upper soap	141
Middle lime	22
Lower soap	27
Big lime	83
Total depth	408

Oil at 385 feet.

	130
Lower soap	42
Lower lime	150
Total depth	475

Oil at 440 and 465 feet.
Fresh water at 110 feet; salt water at475 to 480 feet.

Lambton County

W. GRIFFITH

W. Griffith No. 1, lot 3, con. XI, Brooke tp.

Completed October 2, 1944.
Dry hole.

Formation	Depth, ft.
Surface	48
Black shale	173
Top soap	308
Middle lime	328
Lower soap	400
Lower lime	506
Shale	706

Fresh water at 48 feet; salt water at 512 feet.

F. L. Davidson and Son

A. L. Eastabrook No. 1, lot 26, con. XIV, Brooke tp.
Completed March 7, 1941.
Producing oil well.

Formation	Thickness, ft.
Surface	108
Upper lime	12
Upper soap	125
Middle lime	17
Lower soap	46
Dark lime	6
Big lime	116
Total depth:	430

Show of gas at 285 feet.
Oil at 392 feet.
Fresh water at 80 feet.

W. L. Forrest

D. Zavitz No. 1, lot 14, con. XI, Brooke tp.
Completed May 20, 1941.
Dry hole.

Formation	Thickness, ft.
Surface	70
Shale	80
Top rock	45
Upper soap	120
Middle lime	22
Lower soap	50
Big lime	133
Total depth	520

Show of oil at 480 feet.
Fresh water at 70 feet.

	18
Lime shell	3
Soap	54
Middle lime	6
Lower soap	24
Lower lime	176
Oriskany sand	15
Total depth	433

Fresh water at 137 feet.

E. B. Holmes

W. Goodyear No. 1, lot 7, con. VIII, Zone tp.
Completed April 15, 1937.
Small producing oil well.

Formation	Thickness, ft.
Sand and gravel	21
Clay	124
Gravel	18
Soap	163
Lime	170
Total depth	380

Oil at 362 feet.
Salt water at 227 feet.

E. B. Holmes

W. Goodyear No. 2, lot 7, con. VIII, Zone tp.
Completed July 9, 1937.
Small producing oil well.

Formation	Thickness, ft.
Sand	22
Clay	68
Gravel and sand	80
Soap	38
Lime	160
Sand	20
Total depth	388

Oil at 211 and 372 feet.

Robert McCrie

R. McCrie No. 1, Town of Bothwell, Zone tp.
Completed February 9, 1937.
Dry hole.

Formation	Thickness, ft.
Surface	85
Black shale	62
Grey shale	35
Top rock	8
Soap	132
Middle lime	21
Lower soap	22
Black streak	4
Lower lime	136
Sand	6
Total depth	511

Salt water at 507 feet.

A. Waymire

Cornell No. 1, lot 6, con. V, Zone tp.
Completed November 22, 1937.
Producing oil well.

Formation	Thickness, ft.
Surface	108
Top soap	102
Middle lime	10
Lower soap	27
Dark streak	8
Lower lime	93
[illegible]	348

Oil at 220, 275 to 280, and 330 to 335 feet.
Fresh wat[illegible]2 feet; salt water at 330 to 335 feet.

A. Waymire

Cornell No. 2, lot 6, con. V, Zone tp.
Completed December 1, 1937.
Producing oil well.

Formation	Thickness, ft.
Surface	122
Top soap	83
Middle lime	15
Lime and soap	15
Soap	20
Lower lime	139
Total depth	394

Oil at 300, 320, and 325 feet.
Fresh water at 82 and 120 feet; salt water at 370 feet.

A. Waymire

O. Jones No. 1, lot 6, con. V, Zone tp.
Completed November 5, 1937.
Producing oil well.

Formation	Thickness, ft.
Surface	115
Soap	105
Middle lime	10
Lower soap	20
Black streak	8
Soap streak	4
Lower lime	144
Total depth	406

Oil at 324 feet.
Fresh water at 18 feet; salt water at 324 feet.

A. Waymire

O. Jones No. 2, lot 6, con. V, Zone tp.

Completed December 14, 1937.
Dry hole.

Formation	Thickness, ft.
Surface	105
Top soap	110
Middle lime	15
Lower soap	25
Lower lime	132
Total depth	387

Fresh water at 52 feet; salt water at 355 feet.

G. E. Willits

D. and J. Ferguson No. 1, lot 7, con. V, Zone tp

Completed September 4, 1937.
Dry hole.

Formation	Thickness, ft.
Surface	75
Top rock	45
Top soap	163
Middle lime	20
Lower soap	21
Dark streak	8
Lower lime	1
Total depth	333

Fresh water at 20 and 70 feet.

J. von Berg

H. Brewer No. 3, lot 19, con. VIII, Zone tp.

Completed February 28, 1937.
Small producing oil well.

Formation	Thickness, ft.
Sand	18
Clay	36
Gravel	121
Lime shell	5
Quag	28
Lower lime	183
Total depth	391

Oil at 383 feet.
Fresh water at 54 feet; salt water at 391 feet.

J. von Berg

H. Brewer No. 4, lot 19, con. VIII, Zone tp.

Completed April 30, 1937.
Small producing oil well.

Formation	Thickness, ft.
Top sand	18
Clay	42
Hardpan	10
Gravel and sand	143
Lower lime	167
Total depth	380

Oil at 370 to 380 feet.
Salt water at 260 feet.

J. von Berg

H. Brewer No. 5, lot 19, con. VIII, Zone tp.

Completed July 16, 1937.
Small producing oil well.

Formation	Thickness, ft.
Top sand	18
Clay	42
Hardpan	20
Gravel and sand	126
Lower lime	179
Total depth	385

Oil at 377 to 382 feet.
Salt water at 230 and 280 feet.

Bert Wilson

O. B. Watt No. 1, lot 24, W. ½, con. XIV, Brooke tp.

Completed February 9, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	97
Lime	7
Grey shale	4
Grey shale and lime	11
Lime	4
Grey shale	17
Lime	12
Grey shale	10
Lime	16
Top soap	131
Middle lime	23
Grey shale	26
Lime	6
Grey shale and lime	5
Lime	103
Total depth	472

Fresh water at 36 feet.

C. Lucas No. 1, lot 20, E. ½, con. XIV, Brooke tp.

Completed September 25, 1937.
Dry hole.

Formation	Thickness, ft.
Clay	104
Black shale	29
Top lime	78
Soap	74
Soap and lime	7
Soap	41
Middle lime	37
Lower soap	23
Lower lime	94
Total depth	495

Fresh water at 104 to 106 feet; salt water at 495 feet.

Sullivan and Wilson

M. McLachlan No. 1, lot 22, con. XIII, Brooke tp.

Completed February 12, 1937.
Small producing oil well.

Formation	Thickness, ft.
Surface	60
Loose black shale	18
Hard black shale	12
Grey and black shale	2
Lime and grey shale	68
Lime	7
Soap	83
Lime	4
Soap and hard streak	24
Dark lime	2
Dark-grey lime	6
Grey lime	38
Total depth	392

Gas at 170, 190, 295, 356, and 390 feet.
Oil at 390 feet.
Show of oil at 348 and 375 feet.
Fresh water at 60 to 70 feet.

Sullivan and Wilson

M. McLachlan No. 2, lot 22, con. XIII, Brooke tp.

Completed May 18, 1937.
Producing oil well.

Formation	Thickness, ft.
Clay	30
Gravel	10
Clay	26
Black gravel	2
Black shale	22
Top lime	80
Soap	100
Soft lime	8
Soap	20
Middle lime	28
Lower soap	22
Dark lime	8
Lower lime	73
Total depth	429

Oil at 420 to 422 feet; show of oil at 405 feet.
Fresh water at 66 feet; salt water at 420 feet.

A. E. LILEY

C. Short No. 2, lot 10, con. I, Brooke tp.

Completed October 30, 1945.
Dry hole.

Formation	Depth, ft.
Surface	55
Shale	84
Top rock	150
Soap	287
Middle lime	299
Lower soap	329
Black streak	333
Soap	336
Big lime	400

Fresh water at 84 feet.

A. E. LILEY

C. Short No. 1, lot 10, con. I, Brooke tp.

Completed May 25, 1945.
Dry hole.

Formation	Depth, ft.
Surface	64
Top rock	130
Upper soap	267
Middle lime	279
Lower soap	316
Big lime	425

Show of oil at 330 to 335 feet.
Sulphur water at 35 feet; black water at 425 feet.

Lambton County

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

M. A. E. Cox No. 1, lot 5, con. I, Brooke tp.

Completed August 22, 1946.
Dry hole.

Formation	Depth, ft.
Surface	50
Brown shale	57
Black shale	66
Brown shale	72
Black shale	82
Top rock	85
Lime	91
Grey lime	103
Top rock	140
Soap	215
Soap and lime shell	249
Soap	273
Lime	295
Soap	318
Top of big lime	330
Brown lime	396
Grey lime	430
Sharp sand	438
Grey lime	450
Grey and brown lime	507
Brown lime	513
Brown and grey lime	527
Brown lime	592

Fresh water at 52 and 60 feet; salt water at 471 to 477 and 526 to 532 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

S. Henderson No. 1, lot 3, con. II, Brooke tp.

Completed November 13, 1946.
Producing oil well.

Formation	Depth, ft.
Surface	52
Brown shale	73
Lime	75
Lime and streaks of shale	135
Hard lime	140
Shale	160
Ipperwash shale and soap	215
Soap	270
Soap and lime	275
Middle lime	297
Lower soap	320
Dark lime	325
Brown lime	335
Lower lime	350

Show of gas at 135 feet.
Oil at 325 to 330 feet.
Fresh water at 52 and 58 to 60 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

W. M. McConnell No. 1, lot 21, con. XI, Brooke tp.

Completed December 7, 1946.
Dry hole.

Formation	Depth, ft.
Surface	57
Black shale	110
Top rock	120
Top rock and streaks of shale	160
Shale and shell	200
Shale	320
Lime	340
Shale	375
Lime	418

Show of oil at 400 to 405 feet.
Salt water at 415 to 418 feet.

A. E. MCKERCHER

T. Callahan No. 1, lot 18, con. XIV, Brooke tp.

Completed December 20, 1946.
Dry hole.

Formation	Depth, ft.
Surface	99
Shale	126
Top rock	186
Top soap	200
Lime	204
Soap	334
Middle lime	355
Lower soap	385
Dark lime	390
Grey lime	490

Fresh water at 99 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

T. J. Callahan No. 1, lot 11, con. XIII, Brooke tp.

Driller: Stubble and Stubble.
Completed December 29, 1947.
Dry hole.

Formation	Depth, ft.
Surface	80
Shale	162
Soap	351
Middle lime	367
Soap	420
Brown lime	638
Brown lime and gypsum	650
Brown lime	815
Brown and grey lime	1,100
Brown and blue lime	1,213
Brown lime	1,360
Salt	1,396
Brown and blue lime	1,421
Blue shale and gypsum	1,458
Brown and blue lime	1,470
Salt	1,510
Lime and salt	1,746
Hard brown lime	1,791
Grey lime	1,880
Salt	1,936
Brown lime	2,074
Grey and brown lime	2,153

Fresh water at 76 feet; sulphur water at 530 feet; salt water at 2,124 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

R. Coristine No. 1, lot 10, con. XIII, Brooke tp.

Driller: H. L. Evans and Sons.
Completed September 10, 1947.
Dry hole.

Formation	Depth, ft.
Surface	47
Shale	140
Soap	332
Lime	353
Soap	385
Brown and grey lime	515
Grey lime	539
Brown lime	760
Brown and grey sharp lime	957
Brown lime	1,002
Brown and blue lime	1,347
Blue shale	1,403
Brown and blue lime	1,415
Blue shale	1,433
Brown lime and shale	1,490
Salt	1,551
Salt and lime shell	1,714
Brown lime	1,778
Brown and blue lime	1,863
Blue shale	1,875
Salt	1,910
Light-grey lime	1,918
Brown lime	1,973
Brown lime	2,021
Brown and grey lime	2,060
Grey lime	2,135

Show of gas at 70 feet.
Fresh water at 50 feet; sulphur water at 515 feet; salt water at 2,084 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

R. Cox No. 1, lot 1, con. I, Brooke tp.

Driller: D. Holmes.
Completed January 20, 1947.
Dry hole.

Formation	Depth, ft.
Surface	63
Black shale	68
Grey shale	75
Black shale	115
Grey lime	120
Top rock	143
Lime with streaks of shale	183
Shale and shell	315
Lime	340
Shale	360
Lime and sand	500

Fresh water at 55 feet; salt water at 477 to 482 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

W. Sylvester No. 1, lot 4, con. II, Brooke tp.

Driller: D. Holmes.
Completed March 15, 1947.
Dry hole.

Formation	Depth, ft.
Surface	52
Black shale	60
Grey lime	70
Grey lime and shale	135
Shale	250
Hard shale	267
Lime	290
Hard shale	317
Lime	321

Show of gas at 130 feet.
Show of oil at 321 feet.
Fresh water at 50 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

J. Acton No. 1, lot 9, con. XIII, Brooke tp.

Driller: Stubble and Stubble.
Completed March 13, 1948.
Dry hole.

Formation	Depth, ft.
Surface	78
Black shale	140
Soap	240
Lime	371
Soap	402
Brown lime	470
Brown and grey lime	615
Brown lime and gypsum	772
Brown and grey lime	1,043
Brown, grey, and blue lime	1,162
Blue and grey lime and gypsum	1,235
Brown lime	1,259
Brown lime and salt	1,377
Brown and grey lime	1,453
Brown lime and salt	1,468
Brown lime	1,788
Brown and grey lime	1,877
Brown lime and salt	1,895
Salt	1,919
Brown lime and gypsum	1,930
Brown lime	2,109
Grey lime	2,141

Fresh water at 45 feet; salt water at 522 and 2,080 feet.

FRANK OGLETREE

R. and M. McLean No. 1, lot 22, con. XI, Brooke tp.

Driller: F. Ogletree.
Completed October 15, 1948.
Dry hole.

Formation	Depth, ft.
Surface	58
Black hardpan	66
Black shale	100
Grey shale	130
Black shale and clay	185
Soap and shale	300
Grey shale	325
Soap	355
Grey and buff lime	485

Show of oil at 445 feet.
Fresh water at 66 and 80 feet; black sulphur water at 480 feet.

Kent County—Continued

IMPERIAL OIL, LTD.

B. Steel No. 1, lot 17, con. III, Lake Erie survey, Harwich tp.

Location: 1,700 ft. N., 300 ft. W.
Driller: R. McPherson.
Completed: Feb. 5, 1953.
Result: dry hole.

Formation	Depth ft.
Surface	145
Black shale	215
Hamilton	466
Brown lime	779
Sharp, brown lime	1,043
Brown lime	1,163
Brown and blue lime and gypsum	1,168
Brown lime	1,206
Brown lime and gypsum	1,220
Brown and blue lime	1,539
Brown lime	1,593
Blue and brown lime	1,599
Brown lime	1,640
Grey lime	1,654
Brown lime	1,701
Grey lime	1,708
Brown lime	1,950
Grey lime	1,965
Blue shale	1,981

Show of gas at 1,521 and 1,588–90 ft.
Fresh water at 131 ft.; sulphur water at 515 ft.; black water at 632 ft.; salt water at 1,604–11 ft.

CONSOLIDATED WEST PETROLEUM CO., LTD.

Province of Ontario No. 8, in Lake Erie, opposite lot 181, Talbot Rd. range, Romney tp.

Location: 7,500 ft. S. of Talbot Rd., 300 ft. W.
Driller: R. McMaster and Sons.
Completed: July 30, 1953.
Rock pressure: 300 lb.
Result: producing gas well.

Formation	Depth ft.
Rig floor to bottom, clay, gravel, and sand	165
Grey, brown, and buff limestone	373
Sharp lime	530
Buff, grey, and brown, compact to crystalline, limestone	720
Grey and brown lime, gypsum, shale, and anhydrite	827
Grey shale and gypsum	1,062
Gypsum and anhydrite with a little shale	1,081
Grey and brown lime	1,231

Gas at 1,081–24 and 1,164–1,224 ft.
Black sulphur water at 532 ft.

CONSOLIDATED WEST PETROLEUM CO., LTD.

Province of Ontario No. 9, in Lake Erie, opposite lot 180, Talbot Rd. range, Romney tp.

Location: 8,700 ft. S. of Talbot Rd., 300 ft. E.
Driller: R. McMaster and Sons.
Completed: Oct. 9, 1953.
Rock pressure: 300 lb.
Result: producing gas well.

Formation	Depth ft.
Derrick floor to bottom of lake	64
Clay and sand	160
Grey-brown shale	167
Grey-brown and buff lime	430
Cherty and arenaceous limestone	545
Grey, buff, and brown lime	715
Grey shale and gypsum	839
Brown lime and gypsum	862
Gypsum, shale, and anhydrite	892
Buff and grey lime	940
Grey shale and gypsum	1,058
Gypsum	1,077
Grey and brown crystalline lime	1,160
Grey and brown lime with gypsum	1,166
Grey and brown lime	1,224

Gas at 1,077–1,101, 1,166, and 1,186 ft.
Black sulphur water at 534 ft.

UNION GAS CO. OF CANADA, LTD.

R. Baldwin No. 4, gore B, con. II, Romney tp.

Location: 751 ft. S., 3,550 ft. W.
Driller: J. Ashton.
Completed: Oct. 30, 1953.
Result: dry hole.

Formation	Depth ft.
Surface	169
Hamilton	185
Grey lime	531
Sharp lime	614
Brown lime	709
Blue lime	819
Blue lime and gypsum	871
Brown and blue lime	997
Blue lime and gypsum	1,088
Brown lime	1,231
Grey lime	1,256
Brown lime	1,352

Gas at 1,135–1,231 and 1,295 ft.
Fresh water at 169 ft.; sulphur water at 600 and 653 ft.; salt water at 1,248 and 1,306 ft.

UNION GAS CO. OF CANADA, LTD.

L. Cunningham No. 4, lot 167, Talbot Rd. range, Tilbury East tp.

Location: 365 ft. S., 125 ft. E.
Elevation: 640 +3 ft.
Driller: J. Ashton.
Completed: Dec. 4, 1953.
Rock pressure: 190 lb.
Result: producing gas well.

Formation	Depth ft.
Surface	155
Hamilton shale	315
Grey and brown lime	598
Sharp lime	681
Brown lime	726
Blue lime and gypsum	763
Brown lime	783
Blue lime and gypsum	808
Brown lime	839
Blue lime and gypsum	870
Blue and brown lime	953
Brown and grey lime	1,000
Brown lime	1,053
Blue lime	1,209
Brown lime	1,336
Grey lime	1,385

Gas at 1,245–57, 1,269–94, and 1,336–72 ft.
Fresh water at 152–55 ft.; sulphur water at 598 and 675 ft.

Lambton County

IMPERIAL OIL, LTD.—No. 366

E. Wight No. 1, lot 14, con. II, Bosanquet tp.

Location: 430 ft. S., 790 ft. W.
Elevation: 737 ft.
Driller: R. McMaster and Sons.
Completed: Feb. 4, 1953.
Result: dry hole.

Formation	Depth ft.
Surface	45
Hamilton	300
Brown lime	705
Sharp lime	948
Brown lime	1,014
Blue and brown lime	1,198
Grey lime	1,250
Lime and salt	1,320
Brown and grey lime	1,390
Salt and lime	1,430
Blue lime	1,478
Brown lime	1,498
Salt and lime	1,804
Brown and grey lime	1,915
Salt	1,985
Brown lime	2,142
Grey lime	2,213
Grey shale	2,222

Fresh water at 35, and 88-105 ft.; black, sulphur water at 385 ft.; salt water at 2,140 ft.

IMPERIAL OIL, LTD.—No. 379

R. Gates No. 1, lot 1, con. XIV, Brooke tp.

Location: 2,000 ft. S., 100 ft. W.
Elevation: 693+2 ft.
Driller: R. McMaster and Sons.
Completed: May 8, 1953.
Result: dry hole.

Formation	Depth ft.
Surface	47
Black shale	121
Hamilton	393
Grey and brown lime	626
Lime and gypsum	645
Grey lime	711
Grey lime and gypsum	776
Sharp lime	980
Brown and grey lime	1,073
Blue and grey lime	1,140
Blue shale and gypsum	1,225
Blue, brown, and grey lime	1,385
Salt and lime	1,393
Brown lime	1,400
Salt and lime	1,416
Blue shale and grey and blue lime	1,493
Lime and salt	1,760
Brown and grey lime	1,873
Blue lime and blue shale	1,909
Bottom salt	1,995
Brown lime	2,227
Shale, Rochester	2,242

Sulphur, black water at 524 ft.

E. L. ROTH—No. 37

Myers Bros. No. 5, lot 8, con. II, Brooke tp.

Location: 840 ft. S., 300 ft. W.
Driller: R. Lather.
Completed: May 26, 1953.
Result: dry hole.

Formation	Depth ft.
Surface	58
Black shale	67
Top rock	135
Top soap	270
Middle lime	285
Lower soap	313
Grey lime	320
Brown lime	435
Sharp lime	470
Brown lime	575

Fresh water at 58 ft.; sulphur water at 435 and 575

UNION GAS CO. OF CANADA, LTD.—BROOKE No. 5

S. Gardiner No. 1, lot 5, con. VI, Brooke tp.

Location: 100 ft. S., 100 ft. W.
Elevation: 690+2 ft.
Driller: Wayne Kiser and Son.
Completed: Nov. 24, 1953.
Result: dry hole.

Formation	Depth ft.
Surface	61
Black shale	151
Hamilton	405
Brown lime	783
Sharp lime	923
Brown lime	1,018
Blue lime and gypsum	1,027
Brown lime	1,042
Blue and brown lime and gypsum	1,178
Brown and blue lime	1,273
Lime and salt	1,397
Blue lime and gypsum	1,384
Salt and lime	1,640
Brown lime	1,778
Salt and lime	1,834
Brown lime	1,954
Brown and grey lime	1,972
Brown lime	2,002
Brown and grey lime	2,050
Grey lime	2,072
Grey shale	2,079

Show of oil at 473 ft.
Fresh water at 55 ft.; sulphur water at 503 and 573 ft.; salt water at 1,984 and 2,002 ft.

UNION GAS CO. OF CANADA, LTD.—BROOKE No. 2

J. and L. Hrynuik No. 1, lot 6, con. IV, Brooke tp.

Location: 1,000 ft. S., 75 ft. W. of C. L.
Elevation: 687+2 ft.
Driller: Ehde and Meier.
Completed: June 13, 1953.
Result: dry hole.

Formation	Depth ft.
Surface	65
Black shale	175
Hamilton	449
Brown lime	780
Sharp lime	1,020
Brown lime	1,080
Blue and brown lime and gypsum	1,220
Blue and brown lime	1,450
Salt and lime	1,595
Brown lime	1,672
Grey and blue lime	1,750
Salt	1,784
Brown lime	1,880
Grey lime	1,892
Lime and gypsum	1,916
Brown lime	1,940
Grey lime	2,020
Grey shale	2,022

Fresh water at 55 ft.; sulphur water at 560 and 670 ft.; salt water at 1,642 ft.

JOHN NEMEC

R. Richardson No. 1, lot 5, con. V, west boundary Harwich tp.

Driller: D. Lather.
Completed August 20, 1951.
Dry hole.

Formation	Depth, ft.
Surface	85
Black shale	125
Grey shale	127
Dark grey lime	143
Soap	237
Grey lime	240
Soap	260
Middle lime	287
Lower soap	317
Big lime	450

Show of oil at 340 feet.
Fresh water at 65 feet.

WEAL EXPLORATION LIMITED

R. Buller No. 1, lot 14, con. VI, Howard tp.

Driller: H. H. Stubble and Son.
Completed October 4, 1951.
Dry hole.

Formation	Depth, ft.
Surface	105
Black shale and soap	250
Hamilton	447
Brown and grey lime	610
Water sand	623
Brown lime	687
Grey lime and gypsum	770
Brown and grey lime	1,065
Brown lime	1,180
Blue, brown and gey lime	1,210
Brown lime	1,280
Blue lime	1,365
Brown lime	1,410
Brown, blue and grey lime	1,431
Brown lime	1,497
Blue lime	1,546
Brown and grey lime	1,680
Brown lime	1,735
Brown and grey lime	1,760
Light brown lime	1,802

Fresh water at 95 feet; sulphur water at 610 feet; salt water at 1,775 feet.

WEAL EXPLORATION, LTD.

. Sinclair No. 1, lot 9, north of Middle Road, Orford tp.

Driller: H. H. Stubble and Son.
Completed July 23, 1951.
Dry hole.

Formation	Depth, ft.
Surface	215
Black shale and soap	363
Middle lime	373
Soap	555
Lime shell	562
Soap	590
Brown lime	935
Sharp sand	1,210
Brown lime	1,285
Lime and gypsum	1,305
Brown lime	1,360
Lime, shale, and gypsum	1,440
Brown, blue, and grey lime	1,610
Lime, shale, and gypsum	1,666
Grey and brown lime	2,057
Grey, blue and red shale	2,135
Lime shell	2,140
Blue shale	2,156

Fresh water at 14 feet; sulphur water at 775 feet.

R. C. SOUTHGATE

J. Sullivan No. 2, lot 1, con. I, Raleigh tp.

Driller: A. Comfort.
Completed July 26, 1951.
Producing oil well.

Formation	Depth, ft.
Surface	87
Soap and lime shales	181
Lime	275

Oil at 186 and 257 feet.
Fresh water at 75 feet; salt water at 186 feet.

BURNWELL GAS SYNDICATE

W. Sloan No. 1, lot 12, south of Middle Road, Tilbury East tp.

Driller: Stover and Rawlings.
Completed June 26, 1950.
Dry hole.

Formation	Depth, ft.
Surface	125
Soap	205
Brown lime	450
Grey and brown lime	1,115
Blue lime	1,180
Grey and brown lime	1,350

Show of gas at 1,237 and, 1,300–1,350 feet.
Fresh water at 120 feet; sulphur water at 370 feet, salt water at 1,350 feet.

Lambton County

BECHER OIL AND GAS CO., LTD.

S. Henderson No. 1, lot 3, con. II, Brooke tp.

Driller: Demaray and Nichols.
Completed March 23, 1951.
Dry hole.

Formation	Depth, ft.
Surface	56
Black shale	71
Top rock	140
Soap	275
Middle lime	294
Lower soap	317
Lime	450

Oil at 335 feet.
Fresh water at 56 feet; black water at 450 feet.

BECHER OIL AND GAS CO., LTD.

S. Henderson No. 2, lot 3, con. II, Brooke tp.

Driller: Demaray and Nichols.
Completed October 10, 1951.
Dry hole.

Formation	Depth, ft.
Surface	55
Black shale	78
Top rock	146
Upper soap	280
Middle lime	301
Lower soap	223
Lower lime	365

Show of oil at 336–339 feet.
Fresh water at 54 feet.

BECHER OIL AND GAS CO., LTD.

C. Turner No. 1, lot 3, con. II, Brooke tp.

Driller: Demaray and Nichols.
Completed February 15, 1951.
Dry hole.

Formation	Depth, ft.
Surface	58
Black shale	80
Top rock	150
Soap	285
Middle lime	304
Lower soap	329
Big lime	380

Fresh water at 56 feet.

BECHER OIL AND GAS CO., LTD.

C. Turner No. 2, lot 2, con. II, Brooke tp.

Driller: Demaray and Nichols.
Completed May 18, 1951.
Dry hole.

Formation	Depth, ft.
Surface	53
Black shale	87
Top rock	155
Soap	290
Dark lime	309
Soap	334
Dark lime	368
Light lime	426
Dark lime	431
Light lime and sand	457
Light lime	474

Sulphur water at 457 feet.

IMPERIAL OIL, LTD.

R. and H. McGill No. 1, lot 10, con. XIV, Brooke tp.

Driller: Stubble and Stubble.
Completed January 15, 1951.
Dry hole.

Formation	Depth, ft.
Surface	84
Brown shale	169
Top rock	236
Soap	260
Soap and lime	370
Middle lime	393
Soap	430
Brown lime	828
Brown and grey lime	1,105
Blue and brown lime	1,366
Brown and grey lime	1,385
Salt	1,405
Brown and blue lime	1,505
Salt and lime	1,775
Brown lime	1,887
Brown and blue lime	1,922
Salt	1,955
Brown and grey lime	2,202
Grey shale	2,205

Show of gas at 1,328 feet.
Fresh water at 76 feet; black water at 540 and 2,105 feet.

E. L. ROTH

A. Alderman No. 1, lot 6, con. II, Brooke tp.

Driller: W. Davidson.
Completed February 9, 1951.
Dry hole.

Formation	Depth, ft.
Surface	49
Black sand	52
Top rock	118
Top soap	253
Middle lime	262
Lower soap	295
Dark streak	299
Big lime	400

Show of oil at 305 and 310 feet.
Fresh water at 49, 50, and 70 feet.

E. L. ROTH

A. Belan No. 1, lot 3, con. I, Brooke tp.

Driller W. Davidson.
Completed March 5, 1951.
Dry hole.

Formation	Depth, ft.
Surface	58
Black shale	104
Top rock	174
Top soap	305
Middle lime	327
Lower soap	349
Break	353
Big lime	420

Fresh water at 58 and 80 feet.

E. L. ROTH

R. Johnson No. 1, lot 8, con. IV, Brooke tp.

Driller: Demaray and Nichols.
Completed July 4, 1951.
Dry hole.

Formation	Depth, ft.
Surface	52
Black shale	111
Blue shale	117
Black shale	172
Top rock	260
Top soap	404
Middle lime	431
Lower soap	461
Buff lime	544

Fresh water at 52 feet.

E. L. ROTH

R. and R. Meyers No. 1, lot 8, con. II, Brooke tp.

Driller: W. Hussey.
Completed September 25, 1951.
Producing oil well.

Formation	Depth, ft.
Surface	55
Top rock	110
Top soap	272
Middle lime	287
Lower soap	318
Big lime and Munroe	485

Oil at 370 and 385 feet.
Fresh water at 57– 58 feet; salt water at 470–485 feet.

E. L. ROTH

R. and R. Meyers No. 2, lot 8, con. II, Brooke tp.

Driller: W. Hussey.
Completed November 16, 1951.
Producing oil well.

Formation	Depth, ft.
Surface	51
Black shale	56
Top rock	125
Top soap	265
Middle lime	282
Lower soap	315
Big lime and Munroe	465

Oil at 362, 370, and 430 feet.
Show of gas at 350 feet.
Fresh water at 55–70 feet; salt water at 370 and 43[illegible] feet.

E. L. ROTH

E. Mills No. 1, lot 9, con. II, Brooke tp.

Driller: W. Hussey.
Completed February 24, 1951.
Dry hole.

Formation	Depth, ft.
Surface	55
Top rock	105
Top soap	255
Middle lime	265
Lower soap	302
Break	308
Big lime	376

Show of oil at 310 feet.
Fresh water at 56 and 80 feet.

BROOKE

UNION GAS Brooke 4

R & B Johnson #1 lot 7 Con IV
2100 S 150' E of E Elev 685+2
Comp Oct 17th 53 Dry hole

Surface	55
Black shale	218
Hamilton	575
Grey bs	767
Brown lms	930
Sharp bs	1175
Brown bs	1260
Blue bs & gyp	1268
Blue & brown bs	1328
Blue bs & gyp	1401
Brown bs	1515
do & blue bs	1539
Blue bs & gyp	1605
Brown bs	1737
~~Grey & brown bs~~	~~1743~~
~~Grey bs~~	~~1772~~
~~Brown bs~~	~~1898~~
~~Grey lime~~	1906
~~Rochester grey shale~~	~~1977~~
Blue lime & gyp	1743
Brown bs	1882
Grey & brown bs	1894
Grey bs	1906
Brown bs	1977
Grey bs	2007
Rochester grey shale	2013

Fresh water 53 Sulphur water 590-610
Salt water 1912

UNION GAS CO Brook #3.

M & K Kuchta #1 lot 6 Con IV
1000' S 600' W Elev 684
Comp Aug 20/53 Dry Hole

Surface	61
Black shale	160
Hamilton	437
Brown lime	770
Sharp lime	980
Brown lime	1040
Brown & blue bs	1080
Do and gyp	1115
Blue brown & grey bs	1390
Brown & grey bs	1430
Salt & sand	1610
Brown bs	1737
Salt & bs	1760
Brown bs & gyp	1772
Brown bs	1874
Brown bs & gyp	1886
Brown bs	1922
Grey bs	2014
Grey shale	2016

Fresh water 60 Sulphur water 490

UNION GAS Brooke 6

W & A Watson #1 lot 7 Con V
100' S of & 900' E Elev 689+2
Comp Dec 8th 1953 Dry hole

Surface	60
Black shale	150
Hamilton	400
Brown lime	730
Sharp lime	925
Brown lime	1000
Lime & gyp	1020
Brown lime	1040
Blue brown bs & gyp	1165
Blue brown bs & shale	1350
Lime & salt	1390
Brown lime	1400
Salt & lime	1620
Brown lime	1690
Blue & brown lime	1756
Salt & lime	1790
Brown bs	1908
Lime & gyp	1932
Brown bs	1962
Grey lime	2022
Grey shale	2028

Name of Gas or Oil Co. Union Gas Co checked against Report Year 54

Address Co. Well No. Br 10

Location, County Lambton Tp. BROOKE Con. IV Lot 5 Pt. Lot E½

Driller Meier & Shaw Address Prop. Owner J Hrynuick #2

Date commenced Date completed 30 July 54 Elev. 685+2 Acres 700

DRILLERS LOG (Formation)	Thickness	TOTAL
Surface	63	
Black shale	77	140
Hamilton	268	408
Brown lime	326	734
Sharp "	220	954
Brown "	75	1029
Blue lime & gyp	147	1176
Brown & blue "	202	1378
Salt ans "	232	1610
Brown "	65	1675
Grey "	78	1753
Salt ans "	25	1778
Brown lime & gyp	12	1790
Brown lime	102	1892
Lime & gyp	24	1916
Brown "	30	1946
Grey "	74	2020
Grey shale	5	2025

WATER RECORD

Kind	Depth	Ft. Rises
Fresh	60	45
Sulfur	445	175
Salt	1639	?

CASING RECORD

Length	Diam.	Weight

SKETCH OF LOCATION

1250 N 100 W N.

W. E.

S.

Type Packer

Size

Set off Bottom feet

Explosive used No. qts. or lbs.

Placed between and ft. from surface

Initial Oil Yield bbls./day. Initial Gas Yield Dry. M. cu. ft./day

Rock Pressure lbs. After being shut in Days

1st Gas or Oil ft. Flow cu. ft. or bbls./day

2nd " " " " " " " " "

3rd " " " " " " " " "

4th " " " " " " " " "

5th " " " " " " " " "

6th " " " " " " " " "

Name of Gas or Oil Co. Union Gas Co – Imperial No. 27 checked against Report Year 1924

Address

Location, County Lambton Tp. BROOKE Con. VIII Lot 17 Co. Well No. U-I-27 Pt. Lot W½

Driller Means & Shaw Address Prop. Owner W Russel Dolsen #1

Date commenced Date completed 28 June 24 Elev. 721 + 2 Acres 100

DRILLERS LOG (Formation)	Thickness	TOTAL
Surface	61	
Black shale	89	150
Hamilton	245	395
Broom limy	325	720
sharp limy	213	933
Broom "	64	997
Lime & gyp	16	1013
Blue & broom "	338	1351
salt & "	256	1607
Broom "	82	1689
Grey & broom "	54	1743
Salt & "	32	1775
Lime & gyp	6	1781
Broom limy	113	1894
Lime & gyp	30	1924
Broom "	24	1948
Grey "	78	2026
Grey shale	6	2032

WATER RECORD

Kind	Depth	Ft. Rises
Fresh	55	50
Sulfur	510	?
Salt	1996	?

CASING RECORD

Length	Diam.	Weight

SKETCH OF LOCATION

2000 S 800 E N. W. E. S.

Type Packer

Size

Set off Bottom feet

Explosive used No. qts. or lbs.

Placed between and ft. from surface

Initial Oil Yield bbls./day. Initial Gas Yield Dry M. cu. ft./day

Rock Pressure lbs. After being shut in Days

1st Gas or Oil ft. Flow cu. ft. or bbls./day

2nd " " " " " " " " " "

3rd " " " " " " " " " "

4th " " " " " " " " " "

5th " " " " " " " " " "

6th " " " " " " " " " "

Checked against Report

Name of Gas or Oil Co. Union Gas Co

Address

Location, County Lambton Tp. BROOK Con. VI Lot 5

Driller Meier & Shaw Address

Date commenced Date completed 28 Jany 24

Year 24 Co. Well No. Br 8 Pt. Lot NW 1/4

Prop. Owner M Lehrbass #1 Elev. 690+2 Acres 50

DRILLERS LOG (Formation)	Thickness	TOTAL
Surface	57	
Black shale	93	150
Hamilton	255	405
Broom Sand	335	740
Sharp "	175	915
Broom "	85	1000
Blue grey bx "	50	1050
Lime & gyp	110	1160
brown blue "	130	1290
Salt and	10	1300
Broom Blue "	90	1390
Salt and	250	1640
Blue Broom	141	1781
Salt	58	1839
Broom "	120	1959
Lime & gyp	12	1971
Broom "	30	2001
Grey Broom "	64	2065
Grey shale	5	2070

WATER RECORD

Kind	Depth	Ft. Rises
Fresh	55	?
Sulfur	450	?
"	490	180
Salt	1977	show
"	1995	?

CASING RECORD

Length	Diam.	Weight

SKETCH OF LOCATION

1800 S 100 W of N.

W. E. S.

Type Packer

Size

Set off Bottom feet

Explosive used No. qts. or lbs.

Placed between and ft. from surface

Initial Oil Yield bbls./day. Initial Gas Yield Dry M. cu. ft./day

Rock Pressure lbs. After being shut in Days

1st Gas or Oil ft. Flow cu. ft. or bbls./day

2nd " " " " " " " " " "

3rd " " " " " " " " " "

4th " " " " " " " " " "

5th " " " " " " " " " "

6th " " " " " " " " " "

Name of Gas or Oil Co. Union Gas Co Year 1954

Address Co. Well No. Br 7

Location, County Lambton Tp. Brooke Con. III Lot 6 Pt. Lot E 65 N½

Driller Meier & Shaw Address Painscourt Prop. Owner R W Kelly #1

Date commenced Date completed 20 Jany 54 Elev. 654 ± 2 Acres 65

435
251

DRILLERS LOG (Formation)	Thickness	TOTAL
Surface	65	
Black shale	100	165
Hamilton 251	270	435
Brown lime	340	775
Sharp "	227	1002
Brown "	84	1086
Blue brown grey "	185	1271
lime + gyp	29	1300
Brown Blue grey "	146	1446
Salt and "	166	1612
Brown "	60	1672
Grey "	66	1738
Salt and "	30	1768
Lime + gyp	6	1774
Brown "	126	1900
Lime + gyp	6	1906
Brown "	30	1936
Grey "	74	2010
Grey shale	5	2015

WATER RECORD

Kind	Depth	Ft. Rises
Fresh	60	
Sulphur	496	
"	516	260

CASING RECORD

Length	Diam.	Weight

SKETCH OF LOCATION

100 S 100 W N.

W. E.

S.

Type Packer

Size

Set off Bottom feet

Explosive used No. qts. or lbs.

Placed between and ft. from surface

Initial Oil Yield bbls./day. Initial Gas Yield Dry M. cu. ft./day

Rock Pressure lbs. After being shut in Days

1st Gas or Oil ft. Flow cu. ft. or bbls./day

2nd " " " " " " " " " "

3rd " " " " " " " " " "

4th " " " " " " " " " "

5th " " " " " " " " " "

6th " " " " " " " " " "

Name of Gas or Oil Co. Imperial Oil Co Year 54

Address Co. Well No. 457

Location, County Lambton Tp. Brooke Con. II Lot 12 Pt. Lot E½

Driller McPherson Address Prop. Owner M Lehrbass /

Date commenced Date completed 18 Aug 54 Elev. 700+2 Acres 100

DRILLERS LOG (Formation)	Thickness	TOTAL
Surface	80	
Black shale	40	120
Hamilton 292	290	410
Brown lime	570	980
sharp lime	135	1115
Brown "	235	1350
Gyp blu & brown "	210	1560
Brown "	60	1620
Grey "	60	1680
Brown "	120	1800
Grey lime & gyp	40	1840
Brown lime	50	1890
Grey "	50	1940
Rochester	45	1985
Clinton	10	1995
Medina	125	2120
Queenston	10	2130

WATER RECORD

Kind	Depth	Ft. Rises
Fresh	74	50
Sulfur	460	210

CASING RECORD

Length	Diam.	Weight

SKETCH OF LOCATION

1800' N 500' N

N. W. E. S.

Type Packer

Size

Set off Bottom feet

Explosive used No. qts. or lbs.

Placed between and ft. from surface

Initial Oil Yield bbls./day. Initial Gas Yield M. cu. ft./day

Rock Pressure lbs. After being shut in Days

1st Gas or Oil 180 ft. Flow Show gas. cu. ft. or bbls./day

2nd " " " " " " " " "

3rd " " " " " " " " "

4th " " " " " " " " "

5th " " " " " " " " "

6th " " " " " " " " "

Name of Gas or Oil Co. Imperial Oil Co — Year 1954

Address — Co. Well No. 438

Location, County Lambton — Tp. BROOKE — Con. XIV — Lot 19 — Pt. Lot E½

Driller R L McPherson — Address — Prop. Owner ME Zaritz #1

Date commenced — Date completed 19 March 54 — Elev. 788+2 — Acres 100

DRILLERS LOG (Formation)	Thickness	TOTAL
Surface	112	
Black shale	23	135
Hamilton	266	401
Brown lime	419	820
Sharp lime	120	940
Brown "	180	1120
Lime & gyp	306	1426
Salt & lime	244	1670
Brown "	120	1790
Grey "	40	1830
Salt	35	1865
Brown "	110	1975
Hard grey "	41	2016
Brown "	84	2100
Grey "	14	2114
" shale	6	2120

389

WATER RECORD

Kind	Depth	Ft. Rises
Fresh	105	50
Sulfur	545	155

CASING RECORD

Length	Diam.	Weight

SKETCH OF LOCATION

500 N 500 W. N.

W. E.

S.

Type Packer

Size

Set off Bottom feet

Explosive used — No. qts. or lbs.

Placed between — and ft. from surface

Initial Oil Yield bbls./day. Initial Gas Yield M. cu. ft./day

Rock Pressure lbs. After being shut in Days

1st Gas or Oil 2116-2125 ft. Flow show oil cu. ft. or bbls./day

2nd " " " " " " " " " "

3rd " " " " " " " " " "

4th " " " " " " " " " "

5th " " " " " " " " " "

6th " " " " " " " " " "

Name of Gas or Oil Co. Imperial Oil Ltd Year 54

Address Co. Well No. 423

Location, County Lambton Tp. BROOKE Con. XIII Lot 10 Pt. Lot E 1/4

Driller C M Carter Address Wallaceburg Prop. Owner C Holbrook #1

Date commenced Date completed 6 Feb 54 Elev. 734 +2 Acres 50

DRILLERS LOG (Formation)	Thickness	TOTAL
Surface	71	
Black shale	81	152
Hamilton +316	268	420
Brown lime	360	780
Sharp "	215	995
Brown "	100	1095
Lime & gyp	85	1180
Grey & brown shaly "	193	1373
Salt & lime	22	1395
Blue & brown "	75	1470
Salt	250	1720
Brown "	142	1862
Salt	36	1898
Brown "	112	2010
Lime & gyp	10	2020
Brown "	60	2080
Grey "	72	2152
Grey shale	13	2165

WATER RECORD

Kind	Depth	Ft. Rises
Sulf (?)	72	72
"	530	300

CASING RECORD

Length	Diam.	Weight

736
420
316

SKETCH OF LOCATION

1400 S N. 400 W

W. E.

S.

Type Packer

Size

Set off Bottom feet

Explosive used No. qts. or lbs.

Placed between and ft. from surface

Initial Oil Yield bbls./day. Initial Gas Yield M. cu. ft./day

Rock Pressure lbs. After being shut in Days

1st Gas or Oil 2025-31 ft. Flow show oil cu. ft. or bbls./day

2nd " " " " " " " " "

3rd " " " " " " " " "

4th " " " " " " " " "

5th " " " " " " " " "

6th " " " " " " " " "

55	W.L.R.	Bert Wilson A. Page No. 1		1936	650	481	"			Dry		45	Show of oil at 445 and 470 ft. Salt water at 475 ft.
77	W.L.R.	J. Head No. 1	600 ft. N. of S. line 3,300 ft. W. of E. line	1925	652	507	"			Dry		86	Fresh water from 78 to 96 ft.
41	Port Franks	Walker Salt Corporation, Ltd.	200 ft. N. of S. line 200 ft. E. of river bank	1934	584	1,382	"			Dry		52	Fresh water at 50 and 248 ft. Sulphur water at 258 and 704 ft. Salt water at 278 and 990 ft.
9	I.R.	Geo. Sullivan *et al*	NE. Corner	1935	584	503	Kettle Point			Dry		9	Show of gas at 390 and 463 ft. Salt water at 501 ft.

Wells in Brooke Township, Lambton County

13	1	McClure				465	Kettle Point					85	Salt water at 464 ft.
4	2	Smily	NW. Corner		677	430	"			Dry		55	Show of oil.
6	2	Alderman	NE. Corner	1909	680	392	Hamilton					57	Gas and salt water at 93 ft.
7	2	Guardian Petroleum Development Co.	NW. Corner	1934	679	450	"			Dry		52	Fresh water at 58 ft. Salt water at 345 ft. Show of oil at 320 and 438 ft.
7	2	Guardian Petroleum Development Co.	NE. Corner	1934	679	355	"	323 337	Norfolk			56	Fresh water at 57 ft. Small oil well.
7	2	Guardian Petroleum Development Co.	NE. Corner	1934	679	355	"			Dry		50	Fresh water at 57 and 125 ft. Show of oil at 316 ft.
8	2	Liley and Winkler Campbell No. 1	2,200 ft. N. of S. line 900 ft. E. of W. line	1935	682	400	"	332	"			58	Fresh water at 59 ft. Producing oil well.
8	2	W. Campbell No. 2	1,500 ft. N. of S. line 1,000 ft. E. of W. line	1935	680	351	Kettle Point			Dry		59	Fresh water at 58 ft. Show of oil at 327 ft.
8	2	Belle No. 1				348						55	
9	2	P. Campbell	1,700 ft. S. of N. road 100 ft. W. of E. line	1909	681	358	"			Dry		54	Salt water and gas at 353 to 358 ft. Show of oil at 319 ft.
9	2	Gubb and Russell F. Braithwaite No. 2	1,600 ft. S. of N. road 750 ft. W. of E. line	1935	679	400	Hamilton			Dry		52	Fresh water at 52 ft. Salt water at 400 ft.

Wells in Brooke Township, Lambton County—Continued

Lot	Con.	Designation	Location	Year drilled	Altitude in feet above sea-level	Depth in feet	Bedrock formation	Producing depth in feet	Producing formation	Yield Mcf. or bbls.	Pressure in lbs. a sq. in.	Thickness of drift in feet	Remarks
9	2	F. Braithwaite No. 3		1935		365	Kettle Point			Dry		52	Fresh water at 58 ft.
10	2	H. Wilcox No. 1	2,000 ft. S. of N. road 500 ft. E. of W. line	1935	679	456	Hamilton	325		Dry		58	Fresh water at 57 ft. Salt water at 455 ft. Show of oil at 325 ft.
13	2	Wm. Lamb	2,000 ft. S. of N. road 100 ft. E. of W. line		680		Kettle Point			Dry		65	
7	3		SW. Corner		679	396	Hamilton			Dry		58	
5	4	Ohio Oil Co	1,000 ft. S. of N. line 1,000 ft. E. of W. line	1900	684	3,380				Dry		65	
22	5	F. L. Patterson	1,800 ft. N. of S. road 200 ft. E. of W. line	1934	670	445	Kettle Point			Dry		7	Fresh water at 22 ft. Sulphur water at 394 ft. Salt water at 438 ft.
12	7		NE. Corner			498	"			Dry		60	
28	8	F. W. Kehlet Graham No. 1	1,000 ft. N. of S. road 150 ft. E. of W. line	1934	727	472	"			Dry		75	Fresh water at 75 ft.
12	9	Stevens King Syndicate M. Zavitz No. 1	SE. Corner	1934	702	501	Kettle Point			Dry		46	Salt water at 500 ft. Gas at 219 ft. Show of oil at 387 ft.
1	10	Senator Michener	450 ft. S. of N. road 500 ft. E. of W. line	1926	686	508	"			Dry		56	
25	11	Leo Wilson Wm. Duffy No. 1	NE. Corner	1934	739	465	"			Dry		65	Fresh water at 65 ft. Salt water at 465 ft.
27	11	Leo Wilson	NW. Corner	1934	747	460	"	373 418	Norfolk	15 bbls.		71	Fresh water at 50 ft., rose 30 ft.
28	11	Bert Wilson Woods No. 1	NW. Corner	1934	737	468				Dry		72	
28	11	R. E. McArthur	NE. Corner	1934	739	414	"			Dry		70	Black water at 397 ft. Salt water at 410 ft.
16	12	Cullen and Walsh D. McDonald No. 1	NE. Corner	1934	760	540	"			Dry		116	Fresh water at 97 ft. Sulphur water at 535 ft.

BROOK

18	12	F. W. Kehlet	NE. Corner	1934	758	523	"			Dry		72	Fresh water at 72 ft., rose 52 ft.
23	12	Brookfield Oil and Gas Co.	1,700 ft. S. of N. road 700 ft. E. of W. line	1934	732	470	"			Dry		52	Fresh water at 48 ft. Brackish water at 424 to 429 ft. Show of oil at 388 ft.
26	12	Bert Wilson	NW. Corner	1934	752	482	"			Dry		54	Fresh water at 50 ft. Salt water at 482 ft.
27	12	Brookfield Oil and Gas Co. Lewis No. 1	NW. Corner	1934	753	459	Hamilton			Dry		77	Small show of oil 346, 410, and 420 ft
27	12	Leo Wilson *et al.* R. Serson No. 1	SW. Corner	1935	746	475	Kettle Point	348	"	2 bbls. 5 Mcf.		68	Small oil yield. Gas at 95 ft. Sulphur water at 68 ft. Brackish water at 400 ft. Salt water at 450 to 475 ft.
27	12	Bert Wilson J. Lewis No. 2	NW. Corner	1935	750	465	Hamilton			Dry		75	Salt water at 150 ft.
27	12	Scientific Oil and Gas Syndicate R. Serson No. 2	1,600 ft. N. of S. line 100 ft. E. of W. line	1935	747	453	Kettle Point	160	Hamilton	50 Mcf.		65	Fresh water at 55 ft. Salt water at 401 to 452 ft. Black water at 453 ft. Show of oil at 401 and 452 ft.
27	12	Blake and Craft	NW. Corner	1934	753	462	"			Dry		75	Fresh water at 75 ft. Salt water at 345 to 350 ft.
28	12	Stoddard and Darke Hare No. 1	NW. Corner	1934	751	452	Hamilton	342 395 407	Norfolk	23 bbls.		76	Fresh water at 66 and 79 ft.
28	12	Hare No. 2	NW. Corner	1934	750	460	"			Dry		76	Fresh water at 66 ft. Salt water at 460 ft.
29	12	Blake and Craft Geo. Reid No. 1	NW. Corner	1934	754	469	"			Dry		81	Small show of oil at 405, 423, and 460 ft.
29	12	F. W. Kehlet Geo. Reid No. 2	140 ft. S. of N. road 650 ft. E. of W. line	1934	752	475	"			Dry		93	Fresh water at 63 ft., rose 43 ft. Water at 460 ft.
10	13	Michigan Pacific Oil and Gas Co.	2,300 ft. N. of R.R. crossing 150 ft. E. of W. line	1932	713	2,637	Kettle Point			Dry		54	Water at 64 ft. Salt water at 520 ft., rose 235 ft.
21	13	Bert Wilson P. Kingston No. 1	SE. Corner	1936	746	469				Dry		63	Fresh water at 70 ft. Salt water at 414 ft.

Wells in Brooke Township, Lambton County—Concluded

Lot	Con.	Designation	Location	Year drilled	Altitude in feet above sea-level	Depth in feet	Bedrock formation	Producing depth in feet	Producing formation	Yield Mcf. or bbls.	Pressure in lbs. a sq. in.	Thickness of drift in feet	Remarks
22	13	Brookfield Oil and Gas Co..... Scott No. 1	SE. Corner.....	1935	745	461	Kettle Point	416 422	Norfolk	.....	.....	61	Small producing oil well.
22	13	Bert Wilson..... M. McLachlan No. 1.....	50 ft. S. of N. line..... 1,800 ft. E. of W. road	1937	751	392	"	390	"	.....	.....	78	Fresh water at 60 to 70 ft. Small producing oil well. Gas at 170, 190, 295, 356, and 390 ft.
22	13	Sullivan and Wilson..... M.McLachlan No. 3.....	50 ft. S. of N. line..... 500 ft. E. of W. road	1937	757	470	"	.....	.....	Dry	.....	69	Fresh water at 70 ft., rose 55 ft. Salt water at 465 ft., rose 215 ft.
22	13	Bert Wilson..... A. Gilliard No. 1.....	1,200 ft. S. of N. line..... 200 ft. W. of E. line	1937	750	475	"	.....	.....	Dry	.....	64	Fresh water at 60 ft., rose 40 ft. Salt water at 470 ft., rose 100 ft.
23	13	Leo Wilson Syndicate.....	600 ft. N. of S. road..... 150 ft. W. of E. line.....	1934	749	476	"	185 465	Hamilton Norfolk	15 Mcf. 25 bbls.	....	 62	
23	13	Bert Wilson.....	315 ft. N. of S. road..... 260 ft. W. of E. line	1934	747	476	Hamilton	.....	.....	Dry	.....	84	Fresh water at 50 ft. Black water at 476 ft.
23	13	Leo Wilson Syndicate..... F. Atcheson No. 3	NW. Corner.....	1935	752	439	Kettle Point	365	Norfolk	10 bbls.	.....	60	Fresh water at 59 and 85 ft.
23	13	Brookfield oil and Gas Co.....	1,000 ft. N. of S. road..... 490 ft. E. of W. line	1934	750	486	"	.....	.....	Dry	.....	65	Small show of oil at 359–364 ft. and 370–375 ft. Fresh water at 57 ft. Salt water at 438–444 and 462–468 ft.
23	13	Miss Johnstone..... F. Acheson No. 4	600 ft. E. of W. line..... 250 ft. N. of S. road	1936	746	500	"	.....	.....	Dry	.....	62	Fresh water at 62 ft. Salt water at 480 ft. Sulphur water at 495 ft.
24	13	Bert Wilson..... G. Bowie No. 2.....	1,700 ft. S. of N. line..... 50 ft. E. of W. line	1935	746	476	.....	.....	.....	.....	.....	.....	

BROOK

24	13	G. Bowie	1,425 ft. W. of E. road 1,525 ft. N. of S. road	1938	748								
25	13	Leo Wilson	SW. Corner	1935	750	430							
25	13	Empire Gold Co., Ltd		1935	750	405	"			Dry		55	Fresh water at 55 ft. Salt water at 405 ft. Show of oil at 354 ft.
27	13	H. McLellan	700 ft. N. of S. road 100 ft. E. of W. line	1934	752	460	Hamilton	371 455	Norfolk	10 bbls.		85	Plugged Sept. 27, 1934. Salt water at 371, 410, 420, 455 ft.
28	13	Bert Wilson *et al*	SW. Corner	1934	753	471	"			Dry		72	Show of oil at 346 and 456 ft. Fresh water at 68 ft. Salt water at 346 and 471 ft.
28	13	Stoddard and Darke	1,000 ft. N. of S. road 750 ft. W. of E. line	1934	754	461	"	380	"			74	Small oil well. Brackish water at 390 to 396 ft.
29	13	Wilson, Brown, and Sullivan H. Watson No. 1	600 ft. N. of S. road 600 ft. E. of W. line	1934	753	492	"	395 455	"	20 bbls.		73	Water at 50 and 484 ft.
20	14	Wilson and Sullivan C. Lucas No. 1	125 ft. N. of S. line 580 ft. W. of E. line	1937	780	495	Kettle Point			Dry		104	Fresh water at 105 ft., rose 66 ft. Salt water at 495 ft.
22	14	M. McLachlan No. 2	50 ft. N. of S. line 1,000 ft. E. of W. road	1937	756	429	"	420	"	8 bbls.		68	Fresh water at 66 ft. Salt water at 420 ft. Show of oil at 405 ft.
22	14	Brookfield Oil and gas Co. Logan No. 2	SE. Corner	1934	753	445	"			Dry		63	Show of gas at 167 ft. Show of oil at 410 to 414 ft. Salt water at 419 to 445 ft.
22	14	Logan No. 1	2,000 ft. N. of S. line 50 ft. E. of W. line	1934	790	510	"			Dry		102	
22	14	Brookfield Oil and Gas Co.	SE. Corner	1935	755								
24	14	Bert Wilson O. B. Watt No. 1	165 ft. S. of N. road 1,950 ft. W. of E. road	1939	780	472	"			Dry		97	Fresh water at 86 ft., rose 50 ft.
28	14	Stoddard and Darke Foster No. 1	2,000 ft. S. of N. road 50 ft. W. of E. line	1934	757	455	Hamilton			Dry		80	Show of gas at 260 and 410 ft. Fresh water at 15 and 80 ft. Salt water at 410 and 452 ft.

Wells in Euphemia Township, Lambton County

Lot	Con.	Designation	Location	Year drilled	Altitude in feet above sea-level	Depth in feet	Bedrock formation	Producing depth in feet	Producing formation	Yield Mcf. or bbls.	Pressure in lbs. a sq. in.	Thickness of drift in feet	Remarks
22	1	Union Gas Co. of Canada, Ltd. Mrs. N. Bilton No. 1.....	93 ft. N. of S. line..... 71 ft. E. of W. line	1938	641	1,920	Kettle Point	.....	.....	Dry	.....	52	Show of gas at 1,540 ft. Sulphur water at 500 ft.
23	1	Union Gas Co. of Canada, Ltd.	200 ft. N. of S. line..... 650 ft. W. of E. line	1928	650	2,106	"	.....	.....	Dry	.....	45	Salt water at 505 ft.
25	1	Union Gas Co. of Canada, Ltd.	600 ft. N. of S. line..... 100 ft. E. of W. line	1929	659	1,700	"	.....	.....	Dry	.....	42	Show of oil at 595 ft.
25	1	Ladd and Knight.....	600 ft. N. of S. road..... 200 ft. E. of W. line	1934	659	641	"	.....	.....	Dry	.....	40	Show of oil at 352 ft. Show of gas at 395 ft.
22	2	Union Gas Co. of Canada, Ltd. J. L. and C. Elliott No. 1.....	325 ft. N. of S. road..... 200 ft. E. of W. road	1938	628	1,905	"	.....	.....	Dry	.....	33	Fresh water at 35 ft. Sulphur water at 415 ft. Salt water at 1,860 ft. Show of gas at 108 ft.
19	4	D. J. W. Winnett.....	200 ft. N. of S. line..... 2,000 ft. W. of E. line	1924	645	454	"	.....	.....	Dry			
24	4	.....	NE. Corner.....	.....	654	.....	.....	.....	.....	.....	.....	.....	
25	4	Union Gas Co. of Canada, Ltd.	600 ft. S. of N. line..... 400 ft. W. of E. line	1919	657	1,712	"	.....	.....	.....	.....	55	Gas, oil, and salt reported.
25	4	Union Gas Co. of Canada, Ltd.	100 ft. N. of S. line..... 1,800 ft. W. of E. line	1929	657	1,865	"	1,630	Guelph	Dry	.....	55	Gas at 1,630 ft.
26	4	Union Gas Co. of Canada, Ltd..	385 ft. N. of S. line..... 625 ft. W. of E. line.....	1914	636	1,690	"	1,560 1,675	Salina Guelph	325 Mcf.	575	30	Some oil reported.
26	4	Union Gas Co. of Canada, Ltd.	825 ft. S. of N. line..... 600 ft. W. of E. line	1920	662	1,704	"	1,582	Salina?	235 Mcf.	575	50	Some oil reported at 1,685 ft.
26	4	A. L. Lertzman..... C. Tunks No. 1.....	63 ft. W. of E. road.... 1,200 ft. S. of N. line	1939	.....	380	Hamilton	.....	.....	Dry	.....	42	Small show of oil at 325 and 335 ft. Fresh water at 50, 140, and 251 ft.
27	4	D. H. Wood..... D. Dobbyn No. 1.....	400 ft. N. of S. line..... 600 ft. W. of E. line	1938	625	340	.....	337	Norfolk	22 bbls.	.....	12	Fresh water at 23 ft., rose 12 ft.

Name of Gas or Oil Co. Union Gas Co

Address

Location, County Lambton Tp. BROOKE Con. VIII Lot 2 Pt. Lot 17½

Driller Meier & Shaw Address Prop. Owner J A Shields #1

Date commenced Date completed 23 March 54 Elev. 690+2 Acres 100

Year 54

Co. Well No. Br 9

DRILLERS LOG (Formation)	Thickness	TOTAL
Surface	72	
Black shale	58	130
Anhydrite	258	388
Brown lime	344	732
Shale "	198	930
Brown "	80	1010
Lime & gyp	30	1040
Brown "	20	1060
Lime & gyp	153	1213
Grey blue & brown "	90	1303
Salt & lime	30	1333
Grey shale Brown lime & gyp "	57	1390
Grey shale "	34	1424
Salt & lime	262	1686
Brown "	60	1746
Grey & brown "	84	1830
Salt	61	1891
Brown "	114	2005
Lime & gyp	18	2023
Brown "	18	2041
Grey "	74	2115
Grey shale	16	2131

692
388
+304

WATER RECORD

Kind	Depth	Ft. Rises
Fresh	70	65
Sulfur	480	170
Salt	2023	?

CASING RECORD

Length	Diam.	Weight

SKETCH OF LOCATION

2350 S. 500 E

N. W. E. S.

Type Packer

Size

Set off Bottom feet

Explosive used No. qts. or lbs.

Placed between and ft. from surface

Initial Oil Yield bbls./day. Initial Gas Yield M. cu. ft./day

Rock Pressure lbs. After being shut in Days

1st Gas or Oil 480 ft. Flow show oil cu. ft. or bbls./day

2nd " " " " " " " " " "

3rd " " " " " " " " " "

4th " " " " " " " " " "

5th " " " " " " " " " "

6th " " " " " " " " " "

Section III: Dawn Township

Chapter I: Lambton County

The Harkness Files
Volume IX
Lambton

- THIS PAGE CREATED BY OGSR LIBRARY -

FLORENCE

The Globe May 10th 1865 Prospecting at Adelaide

The wells at Florence have had a good show of oil for the past three years. Sometime ago a DAWN well was put down here that has a good show of oil. Four drilling rigs are getting ready to operate in another part of Dawn.

The Globe Sept 9th 1861

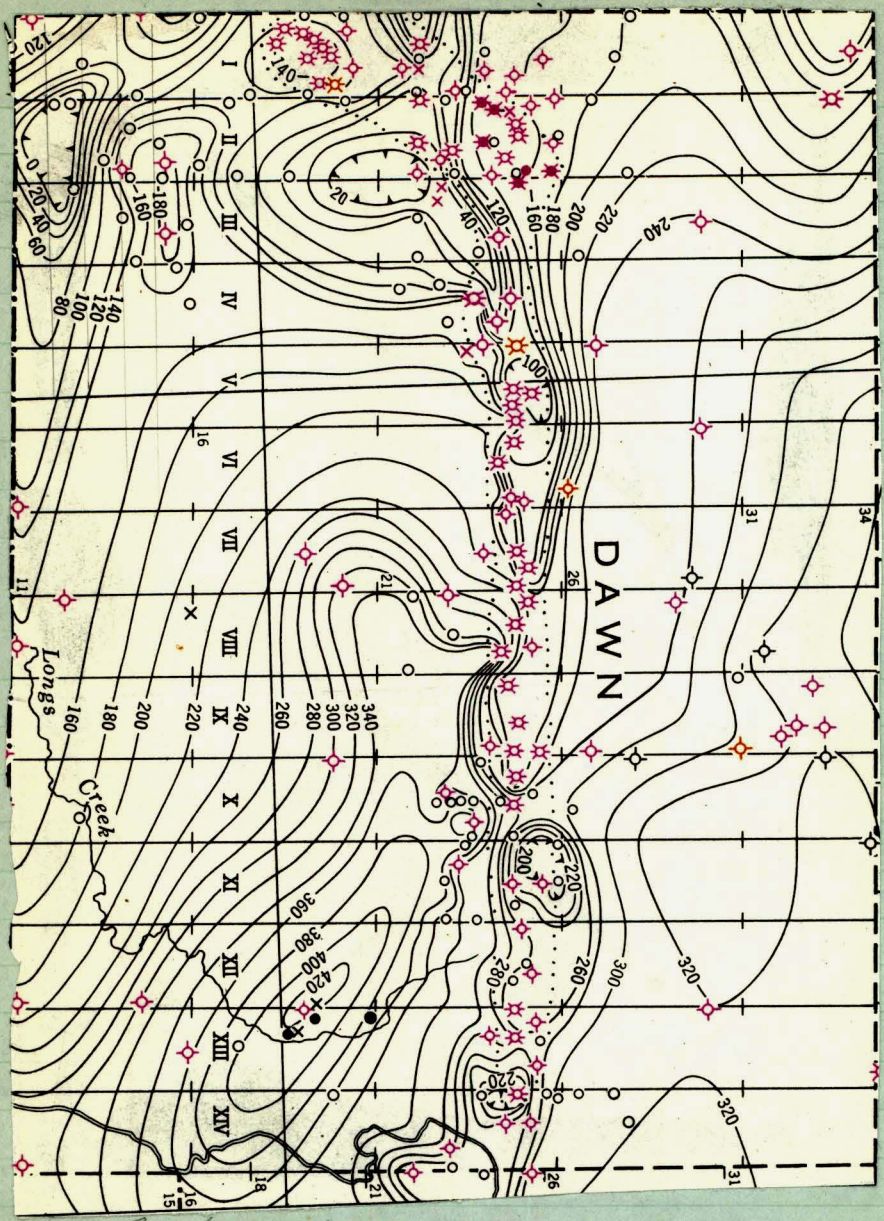
About 7 miles N W of Bothwell is situated the village of Florence on the banks of the Sydenham. Indications of oil in the area had induced Mr Webster of Lot 14 Con XIV of Dawn 1/2 mile from Florence to commence boring DAWN. He found rock at 16 ft and has since passed two lime and shale to 190 feet. Mr Vanderbock is also digging a well nearby and has met similar experience. Neither Webster & Vanderbock have yet found oil in sufficient quantities to pay, but the indications of its existance are very encouraging. They will persevere until they have reached at least 500 ft.

Sarnia Observer Mar 29th 61. from last Saturdays

Drilling on Mr Sketes farm at Dawn Mills.

At Florence the other day we say oil extracted from the rock found in the bed of the Sydenham river. A company has been formed at Florence to drill for oil.

STRUCTURE CONTOURS on DUNDEE



All Euphemia for well drilled in this vicinity in 1886. may be Dawn.

Gilmer Transcript May 5th 1887

"The Company oil well at Glenmore has proved a failure though sunk to a dept of 1470 feet. There is some talk of putting another one down"

DAWN

Dresden Times June 28th 1888

There are strong indication of "coal oil" in a number of places back on this line. Scum of oil in water wells and in others gas only comes in with no water. The gas flow did not diminish so the well was filled in.

Glencoe Transcript Nov. 18th 1888.

The Sydenham Valley Oil Co of Sophiemia has elected the following officers Pres W D McIntyre V.P. Wm Simpson Sec'y C M Brookfield Treas Lawrence Frank The directors are the foregoing and N M Currie & David R Hustler

Do Nov 25th NEWBURY. Work on the new oil well is progressing slowly as the drillers are bothered by a boulder

Do Dec 9th Working night and day. At 380 ft struck salt water. Shut off Mr Ward expects to complete the well in a day or so

Dresden Times Sept 26 1889

Mr Albert Hustler of Oil Springs has put down 30 wells in Dawn and on an average 100 per year. He has just finished one for Mr Parks at the brick & tile yard

Glencoe Transcript Jany 30th 1887

At a meeting of the Board of Directors of the Oil Well Co -- it was found necessary to tax each share to the amount of $2.00 to meet all liabilities. There was some talk of forming a new Co and deepening the last well 100 feet.

Do May 5th 1887. The Company well at Florence has proved a failure though sunk to a depth of 470 feet. There is talk of another drilling

Do Brummell in 66 Q says

Of the many wells sunk (in Dawn) one record is available lot 23 Con X Mr W Harris driller Petrolia

Do Surface	50 ft	
Black shale	70	120
Limestone (Top Rock)	70	190
Shale & limestone	285	475
Do Limestone (Big Lime)	225	700

Salt water at 625

(bottom of Big Lime)

In GSC 1874-75 p 288 Lionel Smith says that Petty McEwen reported striking salt in the Township at 1100 location unknown

DAWN

DAWN

Dresden Times May 17th 1894

Capt Savage of Petrolia is putting down a well on lot 32 Con V Dawn. If successful 30 wells will be drilled

do May 18th 1894

There are three wells drilling on lot 32 Con V Dawn

DAWN

Dresden Times July 2nd 1896 (OAKDALE Correspondent)
Mr H S Mowlam is making preparation to drill
for oil on his premises this week. Easson & VanBeckle
drillers

~~SHETLAND~~ DAWN - EUPHEMIA
FLORENCE

Thamesville Herald Nov. 27th 1896 FLORENCE

Two New York prospectors have leased several farm with intention of putting down several test wells at once. Oil has been found in several villages nearby. A Synd of a number of our business men has been formed to drill on the Tinsley farm. A number of farms in the vicinity are pumping from two to ten barrels per day. Alex Dobbyn intends putting down 15 wells on his farm.

EUPHEMIA

N½ E½ lot 24 Con IV

Do Apr 16th 1897 There are 21 wells producing in Euphemia.

Thamesville Herald June 4th 97

Bathwell operators Carmen Fairbank. Noble and Broadward have some 3000 acres leased in the vicinity of Florence. Mr Parsons of Buffalo has 1500 ac leases is drilling on the farm. Thos Trotter close to Florence ~~Carmen & Gibson of Bathwell are said will commence drilling on Henry Buchannans farm in Zone twp~~

Thamesville Herald July 30th 1897

The Trotter farm well was shot and looks like an oil well Messrs Parsons. Zink will drill five more

Do Dec 3rd 97 (from Florence Quill)

Doran #4 on McLennan farm is 25 bbl well

DAWN Sinclair #1 (N½ of McLennan) on the ravine is 15 bbls. It is the 7th well by Thomas Rogers of Toronto. On the Cook farm north of Mowlam wells Martin Doran & Martin have a 10 bbl well. There was 64 ft of black shale in this well. Martin & Doran are rigging up to drill on the Walker farm.

The Law farm (Con IX Dawn) is operated by J Smith for Byron Co of Jamestown N.Y. Noble Bros of Petrolia are

DAWN operating the Murphy farm. Lendon & McDonald will drill on the Paul farm. Capt Parsons of Buffalo will commence drilling on the Simmons farm. The well on the Tripp farm by Noble Bros was dry.

There are 14 drilling rigs working at Florence and 13 producers and 2 dry holes have been drilled.

WDB [illegible] Apr 23rd 1897 [illegible]

DAWN
FLORENCE

Shamrock Herald Dec 17th 1897

Doran reports a 25 bbl well on Wm Gross farm Con XII (Dawn?) Capt Parsons & drilling Zimmerman #1. Woodward & drilling on Smith farm

Do Dec 31st 1897 (Florence Quill)

Dr Fairbank has a good well on the Robt Curray DAWN lot 18 Con XV 250 bbls/day. It is 350 ft deep 15 from the pay Thos Rogers has a 15 bbl well on the Sinclair farm To date 28 producers and 4 dry holes have been drilled

It is reported that a good show of crude has been struck on Con IX Dawn by a farmer Synd.

Dr Feby 4th 98

Capt Parsons finished a dry hole on the Wm Simmons farm last week but has work he has a good paying well at a depth of 383 ft

Carmen Fairbank rig is moving to the Richd Stephens farm in June. They are now operating on the Coutts farm where they have 6 wells producing 50 bbls/day

Paul, Lockhart & Co are drilling Paul #4 two are producing.

A well is being drilled on the Frank Hawks property

Do Feby 15th 98 (Florence Quill)

McLennan (lot 26 VIII) well owned by Martin and Chandler. is reported but well in Dawn.

Frank Hawks (lot 18 Con XI) well reported 5 bbl.

DAWN Gillen & Co have Miller Booth drill two holes on the Secord farm lot 18 Con XIII (DAWN)

Drilling has commenced on Stewart farm 19 XI W.W. Babcock intends putting down a well on her farm lot 18 Con XIV (DAWN)

Do March 25th 98

Dr Fairbank has 78 wells in Con XII Dawn the latest on McLennan farm 3 bbl well. Yeager is drilling for Dr Fairbank on Gross farm Con XII Dawn.

WDB

Kingsville Reporter

SHETLAND—FLORENCE

Nov. 1st 95 Several wells struck at Shetland. S Smith of Oil Springs will put down 2 wells Hodgins of London 2 A Graham of London 2. Mr Moorehouse London 1 & Watson 1.

Kingsville Reporter June 23rd 1898

A number of wells are being bored near Florence where oil was discovered last year.

Feb. 3rd 98 Chas Parsons has struck another well on his property at Florence 100 ft of oil in the well

Oct 8th 97 a 50 bbl oil well was struck at Florence last week.

Dec 2nd 97 from Florence Quill

Three good wells struck this week. Doran #4 on the McLennan farm 25 bbls. Next on Sinclair farm (Ravine No. 1. S to the NW of McLennan farm) 15 bbls. Third is on Cook farm N of the Mawlam wells 10 bbls/day. There was 61 feet of black shale in this well. Martin & Doran are operating the Walker farm. J Smith drilling on the Law farm Con IX Dawn. Noble Bros Petrolia are operating Murphy farm. London & McDowell will drill several wells on the Paul farm. Capt. Parsons of Buffalo will drill on the Simmons farm. Noble well on the Tipp farm was dry. There are 14 rigs drilling now and 13 out of 15 are producers.

Do in Thamesville Record

FLORENCE Chatham Banner June 12th 97 Great Boom in oil interest from Bothwell to Florence and Oil Springs. Mr Parsons of Buffalo (~~[illegible]~~) has great faith in the district as has Messrs Carman Fairbanks Noble and Woodward. who have leased lands and intend to drill

Ont Bur Mines 1905 p. 114. In the southern part of Euphemia Twp is another small producing field. Very little is being done at present and little oil is produced. Oil is found in the Corniferous at depth of 90 to 100 feet. According to Mr Eugene Coste, oil has been found in the ~~Corniferous~~ Oriskany Sandstone which underlies the Corniferous. This is the only record we have of oil having been found in the Oriskany.

EUPHEMIA

Log of Carman & Fairbank well

Surface	48
Hamilton lime & Soap	218
Lower lime	120
	386

Oil was found 100' in lower lime

WDB

Log of well in Dawn Twp.

Surface	38
Hamilton lime & soap	199
Lower lime	100 337

Oil was struck at 87 feet in the lower lime.

SHETLAND - FLORANCE

The Globe Sept 9th 1861 (1861)

About 7 miles N.W. of Bathwell is situated the village of Florence on the banks of the Sydenham. Indications of the existance of oil in the neighbourhood have induced Mr Wm Webster of lot 14 in the XV Con of Dawn twp (1/2 mile from Florence) to commence boring. He found the rock at a distance of 16 feet by surface and has since passed through successive beds of Limestone and Shale to a depth of over 190 feet. Mr Vanderbosh is also digging a well nearby and has met with a similar experience. Neither Mr Webster or Mr Vanderbosh have yet found oil in sufficient quantities to pay, but the indication of its existance is very encouraging. They will persevere until they have reached at least 500 feet.

Ont Bureau Mines 1893 p 18 and 19

John Doran discovered the Florence field

Ont Bureau Mines. 1914 Chem Analyses of Nat Gas

Well was being drilled on ~~lot~~ East 1/2 lot 26 Con IV Euphemia Twp. depth 1700 ft. Gas not measured, came at about 1600 ft.

Chatham Planet Apr 15th 1914

S H Curry has completed a gas well in Euphemia on the Lew Smith farm for the Producers Fuel & Light Co. Between 150 M and 200 M cu ft was struck at 1650 to 1680. The flow should increase with tomorrow drilling. Is owned by Oil Springs Sarnia & Walkerville men.

Do May 22nd 1914

Following the Producers F & Gas Co well at Euphemia shetland. Mr F L Snively of Dunnville has contracted with Mrs Donald to drill two wells beginning June 1st

BUREAU OF MINES 1898

Florence — DAWN

A new oil field was exploited during the year in the township of Dawn, near the village of Florence. A number of wells were drilled in the latter part of the year, several of which gave good flows of oil. The pioneer in this territory is Mr. John Doran of Toronto, a steamboat engineer, who claims that he located it with the help of an instrument or "rigging" during the trips of the steamer Cambria up and down the St. Clair river in the season of 1896. His first visit to the locality was made in January, 1897. "I had never been in this country, before," he writes from Florence under date of December 23, 1897, "having only passed through south and north of it on the trains, and hence knew absolutely nothing of it in any way. I got off the train at Bothwell walked northwest two mailes, and found that the attraction was quite a distance northwest yet. So I walked back and took the stage to Florence, an inland town of 500 people nine miles northwest of Bothwell. Upon arriving there I followed the attraction northwest about 2½ miles, and after some time spent with farmers trying to lease I succeeded in leasing a tract for one year." In all about 2,800 acres was secured, and in August Mr. Doran returned to begin operations, having associated with him two men of Port Huron who possessed some capital. The first well was completed October 15, having been drilled to a depth of 342 feet, at which point salt water was struck, and it has pumped an average of two barrels per day. It is on the southwest quarter of lot 19 in the thirteenth concession of Dawn. The second well, 300 feet southeast of the first, was bored to 317 feet, and yielded at first at the rate of 30 barrels per day. The flow fell off gradually to one barrel, when the bore ~~shot at~~ was deepened to 356 feet and it was shot at 290 feet. The pump was again put in and the yield was found to be 10 barrels per day, at which rate it continued. Eleven wells were bored by Mr. Doran and his partners before the close of the year, all of which were producers. "I cannot describe to you my instrument for locating oil," Mr. Doran writes, "but would be pleased to show it to you and the workings thereof here or in Toronto."

BUREAU of MINES 1899

Dawn twp. 1898

Euphemia and Dawn have each a small field, the area of which is being expanded by exploration.

Kettle Point

G.S.C. Survey Rept 1918 Pt E p 35

THE SHETLAND FIELD

A field of some importance occupies parts of lots 26, 27 and 28 Con IV Euphemia Twp. The field has produced a considerable amount of oil and is still pumping.

A unique feature of the field is that the anticline on which it is located is clearly visible in the ford on the Sydenham River at the north end of the field where the Upperwash limestone is exposed. The field pitches to the North and the production of oil is almost entirely confined to the area south of the river (In its prime it produced 500 bbls/month " Stauffer)

No descriptive logs of the field are available but it is stated that the production is from an oil stratum about 100 ft below the top of the Delaware limestone.

EUPHEMIA

The Florence Field Out Bur Mines. 1898. p. 18.

Field discovered by John Doran in Jany 1897 by using a "divining Rod". First well completed Oct 15th 97. at 342 ft salt water and 2 bbls/day oil. Well is in lot 19 Con XIII. 2nd well 30 bbls. Eleven wells were drilled in all in 1897. Sold out in 98 to Dr Fairbanks of Petrolia

Geo Surv Canada Vol XI 1898 p. 137 S.

The Dawn Field lot 17 Con XII Dawn Tp.

"In Dawn Tp. a new producing area was opened in 1898, ~~by the Fleming~~ the limits of the pool are not yet very well defined but the highest part of the dome seems to be on lot 17 Con XII according to Dr Fairbanks of Petrolia, who had large interests in this new field, and who is developing it systematically. The production is about 600 bbls/mth. This is sent to the Oakdale receiving Station altho a small part is teamed to Bothwell.

The Globe Sept. 9th 1861.

About 7 miles north west of Bothwell is situated the village of Florence on the banks of the Sydenham. Indications of the existance of oil in the neighborhood have induced Mr Wm Webster of lot 14 in the XIV Con of Dawn Tp. ½ mile from Florence to commence boring. He found the rock at a distance of 16 ft below the surface and has since passed through successive beds of limestone and shale to a depth of over 190 ft. Mr Vanderbosh is also digging a well nearby and has met with similar experience. Neither Mr Webster nor Mr Vanderbosh have yet found oil in sufficient quantities to pay, but the indication of its existance are very encouraging. They will persevere until they have reached at least 500 feet

Brunnell page 66 Q

In later years some 40 wells have been sunk in this township and small quantities of oil shipped. The pulp is small and the largest flow from an individual well (Mr Wilson & Bennett has been on bbl/day Wilson & Bennett well sa logs Parsons well sa logs

DAWN

see Euphemia

Thamesville Herald Nov 27th 96 Florence

New York men have leased several farms Oil has been found in several villages nearby. A Synd has been formed to drill on the Fenby farm A number of wells in the vicinity are pumping 2 to 10 bbls/day Alex Dobbin intends putting down 15 wells on his farm

Thamesville Herald June 7th 97

Bothwell operators Carmen, Fairbank, Noble and Woodward have some 3000 acres leased in the vicinity of Florence. Mr Parsons of Buffalo has 1500 ac leases is drilling on the farm of Thos Trotter close to Florence. Carman & Gibson of Bothwell will commence drilling on Henry Buchanan farm Zone.

Do July 30th 97

The Trotter farm well was shot and looks like an oil well. Messrs Parsons Zink will drill 5 more

Do Dec. 3rd 97 (from Florence Quill)

Doran #4 on the McLennan farm is a 25 bbl well Sinclair #1 (NW of McLennan) in the ravine is a 15 bbl well It is the 7th well of Jos Rogers of Toronto. On the Cook farm north of Mowlam well Doran & Martin have a 10 bbl well There was 64 ft of black shale in this well. Well drill on Walker farm

The Law farm (Con IX Dawn) is operated by J. Smith for Byron & Co of Jamestown N.Y. Noble Bros of Petrolia are operating the Murphy farm. Lindon & McDonald will drill on the Paul farm. Capt Parsons of Buffalo will commence drilling on the Simmons farm. The well on the Tripp farm was dry

There are 14 drilling rigs working at Florence There are 13 producers and 2 dry holes

Do Dec 17th 97

Doran reports a 25 bbl well on Wm Gross farm.

Con XII Dawn. Capt Parsons is drilling Zimmerman #1 Woodward is drilling on the Smith farm.

DAWN

Thamesville Herald Dec 31st 97 (Florence Quill)

Dr Fairbank has a good well on the Robt Curry lot 18 Con XV Dawn 75 bbls/day. It is 350 ft deep. Is ft in pay. Thos Rogers have a 15 bbl well on the Lindsay farm. To date 28 producers and 4 dry holes have been drilled.

It is reported that a good show of crude has been struck on Con IX Dawn by a farmers syndicate.

Do Feby 4th 98

Capt Parson finished a dry hole on the Wm Simmons farm last week but this week he has a good paying well at a depth of 383 feet.

Corman & Fairbank rig is moving to the Richard Stephens farm in Zone. They are now operating on the Coates farm where they have 6 wells producing 50 bbls/day.

Paul Lockhart & Co are drilling Paul #4. Two are producing.

A well is drilling on the Frank Hawks property.

Do Feby 25th 98 (Florence Quill)

Mr Lemon lot 26 Con XVII? VIII Dawn owned by Martin and Chandler is reported best well on Dawn.

Frank Hawks lot 18 Con XI reported 5 bbls

Gillen & Co (Rock drillers) will drill two holes on the Scurrah farm lot 18 Con XIII.

Drilling has commenced on the Stewart farm lot 19 Con XI. W W Babcock intends putting down a well on his farm lot 18 Con XIV Dawn.

Do March 25th 98.

Dr Fairbank has 15 wells on Con XII Dawn the latest on the Mr Lemon lot 17 XIII farm a 366 bbl well. Yaeger is drilling for Dr Fairbank on Gross farm Con XII Dawn.

Kingsville Reporter Feby 3rd 98

FLORENCE Chas Parsons has struck another well on his property at Florence. 100 ft of oil in the well

The Globe May 10th 1865 – Prospecting at Adelaide

Wells at Florence good show of oil for the past three years

Sometimes ago a well was put down here and had a good show of oil.

Two drilling rigs are getting ready to operate in another part of Dawn

FLORENCE Chatham Banner Sept 27th 97

A well on Norman McLellan farm lot 17 Con XIII Dawn just west of the village a well found top show oil. Producing at a rate of 100 bbls. Flow has perceptibly decreased at the end of 24 hours.

Chatham Banner Oct 12th 97

FLORENCE. A 50 bbl well on V. McLellan farm came in this week. Great excitement. Buffalo Company in the field

FLORENCE

Chatham Banner Oct 5th 97. The field is two miles from Florence on the McLellan farm. Well pumped 7 bbls/hour for 24 hours (168 bbls/day) afterwards settling down to 50 bbls. Mr Thomas is the operator came into the field single handed a year ago. Mr Anderson of Bathwell is in charge of the well. Can only ship 20 bbls/day to Oil Springs now and work has slowed up.

When the strike was made there was a stranger on the derrick floor and to frighten him away the driller opened the throttle wide. Smoke steam and fire belched from the smokestack and the engine nearly flew apart. The stranger was riveted to the spot for a minute and then took to his heels.

The driller shut down the well and took a week holidays until Mr Thomas had secured all the leases in the vicinity.

FLORENCE Chatham Banner Oct 16th 97

Another well came in on the Smith farm 1000 feet north of the Thomas gasher on the McLellan farm, at 400 feet a 25 bbl well.

Drilling is going on the Paul Smith, McLellan, Bilton, Scurrah, Mawlam and Johnston properties.

Thomas No. 2 (McLellan farm) 400 feet north of No. 1. struck a huge flow of gas at 70 feet.

Capt Parson has Woodward of Oil Springs drilling on the Bilton farm

Dr. Lockhart & Frank Paul will drill on the Paul farm. New men on the field are R Smith of Bradford Pa Wm Snyder, Isaac Saylor, & Gurd Bros Petrolia, Jas Mayer Oil City & Rogers of Toronto

WDB

FLORENCE Chatham Banner Oct 25th 97

Big well on the McLellan farm 1000 ft north of Thomas No. 1. settled to a 100 bbl well. 28 feet of oil pay. D J Thomas & Joseph P Rogers are owners.

Drilling on Johnston farm. huge flow of gas at 100 feet Thomas & Rodgers owners.

The Martin Doran & Martin well on the Smith property is pumping a good stream from 383 feet with 26 feet of pay. They are starting a new well 300 ft south near the McLellan property

Mawlam is drilling on Mawlam farm.

Thomas & Rodgers have put their partnership into a Company. Dawn Oil Co.

FLORENCE Chatham Banner Nov 6th 97. Florence Quill

There are three producing wells. The first well was on the Smith farm Doran No. 2. which pumps now 100 bbls (measured) 28th pay sand.

The Thomas well on the Coutts is estimated at 50 bbls. Thomas is putting his gasoline engine on this well and putting No. 1. (McLellan) on the jerk line.

Lockhart & Paul have a producer on Paul farm 36 ft of oil rock and 160 ft of oil in the hole.

Mawlam No. 1 is pumping 26 bbls/day.

Noble Bros are starting to drill on the Tripp farm.

Thomas #3 on McLellan farm drilling

FLORENCE Chatham Banner Nov 20th 97

Three good wells this week. The Doran No. 4. on the McLennan property 25 bbls. Sinclair Ravine No. 1. on the Sinclair farm N.W. of the McLennan farm is making 15 bbls. Thomas & Rodgers owners. Martin Doran & Martin beat in a well on the Cook farm north of the Mawlam wells. There was 64 feet of black shale in this well. Martin Doran and Martin are drilling on the Walker farm.

Byron & Co Jamestown N.Y. (J Smith foreman) drilling on the Law farm Com IX Dawn.

Noble Bros are drilling on the Murphy farm.

Lindon & McDonald will drill on the Paul farm.

Capt Parsons of Buffalo will drill on the Simmons farm

Noble Bros of Petrolia drilled a dry hole in Tripp farm

There are 14 drilling rigs in operation and out of the 15 wells drilled so far only 2 are dry.

WDB

FLORENCE

Thamesville Herald Mar 25th 98

Ashton Simpson's 2 rigs have boat in 2 small wells on the Mc Lennan farm Con XII Dawn for Thomas & Rogers

N Anderson is drilling for Thomas & Rogers on XI Dawn

Quinn Zimmer is drilling Paul #5 Con XII Dawn for London & McDonald. The last one good for 2 bbls.

Ed Booth has finished a small well on Scarrah farm for John Gehn Jamestown N.Y. and has moved to Walker farm XIII Dawn

John Woodward is wildcatting for Martin & Chandler of Petrolea on Con XIII Dawn. BJ Carter expects to finish the well on Hill farm Con XI Dawn.

Dr Apr 8th 98.

Ashton Simpson finished 2 good wells for Thomas & Rogers in the Mc Lennan farm XII Dawn

Ed Booth finished one barrel well Walker #2, XIII Dawn for John Gehn

Quinn Zimmer finished Paul #5 Con XII for Lockhart London & Co a 2 bbl well. The rig will move to the Childs farm Con XII for Ramsay & Whipple of Alvan N.Y.

Dan McCallum finished a duster on the Hall farm for J.R. Minhinnick (Con XI Dawn. on map 98)

WDS

Dresden News June 23rd 98

H Barnett drilled a test hole on H Symes place last week. The result was not encouraging

DAWN

Glencoe Transcript Sept 30th 1897

Oil was struck on Thursday on the Norman McLennan farm one mile west of Florence. Depth 250 ft 50 bbl day

not to WDE

Thamesville Herald Feb 11th 98

Paul Hoff Con III Dawn struck gas on his farm

(97?)

Thamesville Herald Dec 11th 98 DANTE EUPHEMIA

Almost a flowing well was struck on the farm of Geo Morrison last week. A number who visited it confirm this.

Do Apr 8th 1898

Ashton Simpson finished two good wells on the McLennan farm XII Con Dawn for Thomas & Rogers Ed Booth finished a one barrel well on Walker #2 XIII Dawn for John Gelm of Maysville N.Y. Quinn Zimmer finished a 2 bbl well on the Paul #5 XII Dawn for Lockhart, Lendon & Co They move to Child's farm XII for Ramsay & Whipple Olean N.Y.

Do May 13th 98

The Florence Co has pulled the casing from the Benjamin well.

Prof Drenan is prospecting for oil in South Dawn

Do May 20th 98

Vulcan Oil Co (Coste) brut in a 25 bbl well on the Woods farm Dawn twp. They brut in a 10 bbl well in the "Klondyke" field Harper farm Camden Zone town line. The rig has moved to the Vance farm west of the Harper farm. The well on the Gadsby farm Dawn will be finished this week

CAMDEN ZONE

Senator Bradley and G.R. Page are leasing in Dawn twp

Mr Dorran has struck 2 dry holes in Dawn

Do June 3rd 98

Vulcan Oil Co struck a good well on the Conny Beare farm in Dawn good for 25 bbls

WDE

DAWN

Thamesville Herald June 3rd 98

Senator Bradley has started a well on the Dalton farm IX Con Dawn

Dr Fairbank has a pumping plant on his wells on the Hoover field XII Con Dawn,

Do June 10th 98

Vulcan got a 75bbl well on the Coney Bear farm

Do June 17th 98 (Dawn?)

James Connelman on 10th line Camden near "Ruffs Corners" struck a 15 bbls well on his farm.

Warren Dalton of the IX Con is drilling

Vulcan Oil struck oil on the Lawrence Bros farm they will move to Ed Brown Dr.

Vulcan several good producers in Dawn with Longwood will pump the Dawn wells

Do June 30th 99

Prof Wray our Inspector of Minerals, who some time ago located a gas well for Chas Kennedy of Faucher Rd about 2½ miles South of Bothwell, found large quantities of Copper in sand and gravel (on the Kennedy farm) which showed about 90% purity. Prof Wray is inclined to believe that there is much copper in the district but it must be worked on an extensive scale to be profitable. - - - "

WDB

London Times Nov 9th 1899

Salt water was struck at 575 ft on the Wm Nesbitt farm Con V Dawn Drilling stopped.

London Times Mar 19th 1903

John McCourt is drilling on the E Brooks farm in Dawn Twp for A French

(Do from IV Con Dawn) Correspondent) Oil drillers are down 400 ft struck gas on surface and in the hole

Do Mar 26th Well on E Brooks farm abandoned. Show of oil at 450 Black water at 588 ft. Rig moved to Enniskillen and 1000 ft to

~~OIL SPRINGS~~.
DAWN

G.S.C. Summy Repr Pt E. 1918 p. 35. continued from page 34

"The water below the oil and pumping merely shortened the time allowed the competitor for obtaining oil from his wells. The oil was followed down the dip until both oil and water were exhausted and the vein became known as the "air vein". In 1918 wells were drilled on the western side of the field to test the crevice there, but no oil was found.

"Production from the Deep-lying Porous Limestone, or "Oil Sand". The production from the deeper oil rock is "still important and the conditions effecting it are very similar to the Petrolia Field. Fortunately for Oil Springs the operators have in general been careful to keep the field in good condition and its life has consequently been greatly lengthened."

SMALL OIL FIELD IN DAWN TWP.

A small oil field situated at the west end of lot 19 Con XIII Dawn twp., has produced considerable oil, but is now closed down. The structure appears to be a small dome with a deep depression on the Southeast.

The following log is by Dr C.O. Fairbank

Surface	22	22	
Upperwash ls.	6	28	Oil rock 318 to 325
Petrolia shale	172	200	
Widder beds	15	215	
Olentangy shale	21	236	
Delaware and Olentangy ls.	113	349.	

A very significant accumulation of oil was discovered at the N.W. cor lot 30 Con XIII Dawn twp. The structure here is moderately high but as the dome rises only slightly above a terrace extending from the Oil Springs dome, the drainage area is very small. The field appears to be of no economic importance.

The top of the Delaware limestone here is about 308 ft below the surface.

SMALL OIL FIELD IN BROOKE TWP

G.S.C. Summy Repr
1918 Pt E. p. 35:

"A small oil field on lots 6, 7 and 8 Con II Brooke Twp. was producing oil from 2 or 3 wells in 1918 and it seems probable that other wells may still be brought in. The dome appears to be of considerable size, but its maximum elevation ~~and~~ is low and only the extreme top contains oil. Log of best well on field follows"

Location N.W. 1/4 lot 8 Con II Brooke Twp.

Surface	55	55
Ohio shale	4	59
Upper rock ls.	5	64
Petrolia shale	184	248
Widder beds	18	266
Clintauguy shale	22	288
Delaware and Onondaga ls.	60	348.

Oil at 66 ft and at the bottom of the well

SMALL FIELD WEST OF OIL SPRINGS

A small producing oil field is situated on the north end of lot 13 Con I Enniskillen Twp and one mile west of the Oil Springs pool.

The structure appears to be a small nose or terrace on the western dip of the Oil Springs Dome. The production is probably from a crevice near the top of the Delaware formation which is from 300 to 308 ft below the surface.

THE SHETLAND OR SMITH'S FALLS OIL FIELD

A field of some importance occupies parts of lots 26, 27 and 28 Con IV Euphemia Tp. The field has produced a considerable amount of oil and is still pumping.

A unique feature of the field is that the anticline in which the oil is located is clearly visible at the fords on the Sydenham river at the north end of the field where the Upper rock limestone is exposed. The fold pitches to the north and the production of oil is almost entirely confined to the area south of the river. ~~In its prime it produced 500 bbls/month (Stauffer)~~

No descriptive logs of this field are available but it is stated that the production is from an oil stratum about 100 ft below the top of the Delaware limestone.

BUREAU OF MINES 1898

Florence DAWN

A new oil field was exploited during the year in the township of Dawn, near the village of Florence. A number of wells were drilled in the latter part of the year, several of which gave good flows of oil. The pioneer in this territory is Mr. John Doran of Toronto, a steamboat engineer, who claims that he located it with the help of an instrument or "rigging" during the trips of the steamer Cambria up and down the St. Clair river in the season of 1896. His first visit to the locality was made in January, 1897. "I had never been in this country, before," he writes from Florence under date of December 23, 1897, "having only passed through south and north of it on the trains, and hence knew absolutely nothing of it in any way. I got off the train at Bothwell walked northwest two mailes, and found that the attraction was quite a distance northwest yet. So I walked back and took the stage to Florence, an inland town of 500 people nine miles northwest of Bothwell. Upon arrising there I followed the attraction northwest about 2½ miles, and after some time spent with farmers trying to lease I succeeded in leasing a tract for one year." In all about 2,800 acres was secured, and in August Mr. Doran returned to begin operations, having associated with him two men of Port Huron who possessed some capital. The first well was completed October 15, having been drilled to a depth of 342 feet, at which point salt water was struck, and it has pumped an average of two barrels per day. It is on the southwest quarter of lot 19 in the thirteenth concession of Dawn. The second well, 300 feet southeast of the first, was bored to 317 feet, and yielded at first at the rate of 30 barrels per day. The flow fell off gradually to one barrel, when the boreshot xx was deepened to 356 feet and it was shot at 290 feet. The pump was again put in and the yield was found to be 10 barrels per day, at which rate it continued. Eleven wells were bored by Mr. Doran and his partners before the close of the year, all of which were producers. "I cannot describe to you my instrument for locating oil," Mr. Doran writes, "but would be pleased to show it to you and the workings thereof here or in Toronto."

BUREAU OF MINES 1899

Euphemia and Dawn have each a small field, the area of which is being expanded by exploration.

Lambton

Dawn tp. Ont. Bur. Mines 1898 p. 18

Field discovered by John Doran in January, 1897 by using a "divining rod". Firstwell completed Oct. 15, 1897 at 342 feet salt water and 2 bbls. per day oil. Well is in lot 19, con. XIII. 2nd well 30 bbls. Eleven wells were drilled in all in 1897. Sold out to Dr. Fairbanks of Petrolia.

Geo. Survey of Canada Vol. XI 1898 p. 137 S.

The Dawn Field lot 17, con. XII Dawn tp.

"In Dawn tp. a new producing area was opened in 1898, the limits of the pool are not yet very well defined but the highest part of the dome seems to be on lot 17, con. XII. According to Dr. Fairbanks of Petrolia, who had large interests in this new field, and who is developing it systematically. The production is about 600 bbls. per month. This is sent to the Oakdale receiving station altho' a small part is teamed to Bothwell.

The Globe Sept. 9, 1861

About 7 miles north west of Bothwell is situated the village of Florence on the banks of the Sydenham. Indications of the existance of oil in the neighbourhood have induced Mr. Wm. Webster of lot 14 in the XIV con. of Dawn tp. ½ mile from Florence to commence boring. He found the rock at a distance of 16 feet below the surface and has since passed through successive beds of limestone and shale to a depth of over 190 feet. Mr. Vanderboch is also digging a well nearby and has met with similar experience. Neither Mr. Webster or Mr. Vanderbosh have yet found oil in sufficient quantities to pay, but the indication of its existence are very encouraging. They will persevere until until they have reached at least 500 feet.

Ont. Bur. Mines 1893 p. 18, 19.

John Doran discovered Florence field

Dawn tp. lot 19 con. XIII S.W.¼

Drilled October 15 1897

Total depth 342 feet.

Salt water and oil 2 bbls.

2nd well 300' S.E. of above at 317 ft. 30 bbls
off to 1 bbl. deepened to 356 feet.
Shot at 290 feet.
Settled prod. 10 bbls.

Eleven wells drilled here in 1897-98

Dresden Times Oct 30th 97

Two oil wells were completed in Dawn on the McLennan farm at a depth of 320 ft pumping 6 bbls An on the Smith farm pumped 5 bbls at 350 ft

Dresden Times March 10th 1898

Dawn Oil Field still booming. Almost every day a producing well comes in.

Dresden Times June 2nd 98 Longbark

The oil territory is being rapidly developed All is obtained in good paying quantities

Dawn

Dresden Times March 5th 1921

The Mackie well lot 35 Con V Dawn is progressing better now that they have discarded the gas. The Munn Co & are great wild catters and we must them luck

Dresden Times May 27th 22

The Munn Co is drilling a well 3/4 mile south of Ruthven. They have reached 1400 ft. Another rig is now moving into Dawn

Do June 8th 1922

Drilling has begun on corner of Ray Nurse's farm. There are now three excellent wells on the field.

Do July 13th 22

A location has been made on John McLaughlin farm Con II

Dresden Times. June 14th 1917

The Munn Co is closing up the well at Dossetville and is removing the pipe from 6 and 7

Elevation of Wells in Dawn Twp

Fairbank Well		lot 19	Con XIII	644.7	derrick floor
	N.E cor.	29	VI	654 ±	"
UNION	Well #9	NW W½, 24	VIII	655 656	"
"	" #2	SE 26	VI	652 ±	ground
"	7	24	VIII	662 ±	derrick
"	5	20	VII	645 ±	ground
"	3	24	V	653	derrick
"	6	24	V	646 ±	"
Dry hole	"	NE Cor	20 IV	638 ±	ground
	" #8		24 II	630 ±	derrick
			23 III	632 ±	ground
A new well					
UNION	Dawn No. 1	NE	24 VII	656 ±	
UNION	Dry Hole	NE	20 IV	640 ±	

E Coste #4 lot 30 Con IX Elev. 663

		Elev
Top Big lime	348	+ 315
" Big Red Shales	2210	- 1547
" Trenton	2965	- 2302

UNION #25 lot 19 Con I Elev. 626

Top Big lime	499	+ 127
Top Queenston	2220	- 1594
Top Trenton	2913	- 2287

Florence Oil Field. In 1897, oil was found on lot 19, con. XIII, Dawn tp., near the village of Florence, and a small field in lots 18 to 20, cons. XII and XIII, was immediately developed.

Production was from 80 to 90 feet below the top of the Norfolk formation at depths ranging from 317 to 325 feet. Eleven producing wells were drilled before the close of 1897[1]. At least one of these had an initial yield of 30 barrels a day, but production declined rapidly and the field was apparently abandoned many years ago.

During 1938 and 1939, four wells were drilled on lots 17, 18, and 19, con. XIII, and lot 19, con. XII, within the limits of the old field. Of these, one was a dry hole, two were reported as small producing oil wells, and the fourth had an initial yield of 15 barrels a day. Production was from the upper part of the Norfolk formation, at depths of 319 to 321 feet.

The Florence field was developed on a low, northwest-trending, elongate dome having 20 feet of closure. The structure is about 2 miles long and ¾ mile wide. Dips on the flanks are about 80 feet a mile on the south and perhaps 100 feet a mile on the north.

According to Williams[2], oil was discovered on lot 30, con. XIII, Dawn tp., about 4 miles north of the Florence field. The quantity of oil recovered was insignificant.

The following log of a well drilled on lot 19, con. XII, compiled from drillers' records, indicates the stratigraphic succession in the Florence district.

lot 19 Con XII

Formation		Description	Thickness	Depth
			Feet	Feet
Surface		Glacial drift	35	35
Hamilton	Ipperwash (top rock)	Grey limestone	19	54
	Petrolia (upper soap)	Grey shale	133	187
	Widder (middle lime)	Grey limestone	14	201
	Olentangy (lower soap)	Grey shale	24	225
Norfolk		Grey limestone	125	350

Oil at 319 feet.

Dawn Gas and Oil Field. As now (1944) developed, the Dawn field is an east-west trending area about 11 miles long and averaging less than a mile in width. It occupies lots 23 to 25, cons. I to XIV, Dawn tp. A south-trending extension from the west end of the main field occupies lots 18 to 20, con. I. The field was discovered in 1921, when a well on lot 24, con. V, came in with an initial gas flow of 177,400 cubic feet a day and had a rock pressure of 775 pounds a square inch[3]. The gas was struck in the Salina formation at 1,615 and 1,750 feet below the surface. By the end of 1922, a total of fifteen wells had been drilled, five of which were producers[4]. In 1930, another productive area was discovered on lots 18 to 20, con. I, about 4 miles southwest of the discovery well. Two years later oil in commercial quantity was discovered on lots 24 and 25, con. II. The production was obtained from near the base of the Salina formation and from the upper part of the underlying Guelph, at depths of 1,813 to 1,955 feet. The Dawn field constitutes one of the main gas-producing areas of Ontario, but oil production from it has greatly declined, being 126 barrels in 1943.

Most of the wells within the present limits of the Dawn field are between 1,600 and 2,290 feet deep and do not penetrate below the Guelph-Lockport beds.

[1]Ont. Bur. Mines, 7th Ann. Rept., p. 19 (1897).
[2]Williams, M.Y.: Geol. Surv., Canada, Sum. Rept. 1918, pt. E, p. 35.
[3]Ont. Dept. of Mines, 31st Ann. Rept., pt. 5, pp. 28 and 49 (1922).
[4]Ont. Dept. of Mines, 32nd Ann. Rept., pt. 5, p. 6 (1923).

Production is from three general zones; two in the lower part of the Salina, and one in the upper part of the Guelph formation. Each of these may include several pay-streaks separated by non-productive intervals. The position of the two productive zones in the Salina formation seems to vary with reference to the top of the Guelph. The upper zone is as much as 320 feet, and the lower one as little as 5 feet, above the Guelph. Most of this variation appears to be due to the presence or absence of thick salt beds, or to relatively abrupt changes in the thicknesses of these beds from place to place. As indicated elsewhere in this report, the Salina formation in Dawn township ranges in thickness from 644 to 960 feet, and the contained salt beds from zero to 270 feet. The lowest producing horizon may be almost anywhere within the upper 100 feet of the Guelph formation.

Of the three general producing zones mentioned above, the highest yields only gas; the intermediate yields some gas and most of the oil; and the lowest horizon yields a little oil and more gas than the two Salina horizons combined. Initial yields of gas range from a few thousand to a million cubic feet a day, although several wells had much higher yields and a few are reported to have come in with yields of over 20 million cubic feet a day. The average initial yield of seven producing wells drilled during 1942 and 1943 was about 436 M cubic feet a day. To the end of 1943, the Dawn field had produced about 15,000,000 M cubic feet of gas; production for 1942 was 1,516,702 M cubic feet from thirty-four wells, or about 45,000 M cubic feet for each well. Production in 1943 was 1,092,293 M cubic feet. Initial yields of oil are from 1 to 25 barrels a day and one well is reported to have come in with 50 barrels a day. Peak production was in 1933 when 8,079 barrels[1] of oil were recovered from five operating wells. This is a daily average of about 4 barrels for each well. Production in 1943 was 126 barrels of oil.

The structure of the Dawn field is difficult to determine. Contours on top of the Guelph formation are not entirely satisfactory, as reliable samples for many of the earlier wells are not available, and the Salina-Guelph contact is not determinable from drillers' logs. Also, not all wells reach to the top of the Guelph formation. However, the surface of the Guelph shows a series of elongate domes having an east-west trend and apparently separated by narrow, shallow troughs (*See* Figure 3). Closure on these domes is from 20 to 100 feet, and dips range from 80 to 400 feet a mile. Offset to the south about 2 miles from the west end of the main field is another dome occupying lots 18 to 20, con. I. This structure has 200 feet of closure and rises at a rate of about 800 feet a mile.

The Guelph-Lockport beds are known to vary from 90 to 278 feet in thickness. The more pronounced and restricted variations may be due to reefs that are built much higher than the adjacent strata, thus producing great local increases in thickness of the formation. Although the wells located on the highest part of the localized domes at the west end of the Dawn field do not pass completely through the Guelph-Lockport succession, it seems more logical to attribute these domes to reef structures than to folding of the beds.

Structure contours on top of the Guelph do not coincide with those drawn at the base of the Guelph-Lockport beds, nor with contours drawn on top of the Norfolk formation (Big Lime). Contours on the 'Big Lime' indicate structural 'lows' or depressions above high places on the surface of the Guelph. There is thus a divergence of structure between these two horizons. This may result from several causes. The long, narrow form of the main producing area is strongly suggestive of faulting. Faulting has not been detected in any of the well cuttings examined, but if present, could result in apparent variations in

[1]Ont. Dept. of Mines, 43rd Ann. Rept., pt. 5, p. 53 (1934).

thickness of a formation in the case of wells that pass through the fault where it intersects the formation. Leaching of salt by waters circulating along a fracture zone might result in a settling of the overlying strata. Also, changes in thickness of the salt may be produced by flowage under differential pressure. This, too, might be followed by a subsidence of the beds overlying the salt-bearing formation.

There are places where structural 'highs' on the Norfolk formation seem to be related to thick deposits of salt in the deeper, Salina beds. These 'highs', on the other hand, are not always reflected on top of the Guelph formation, which may show a depression below a 'high' on the Norfolk formation. This may indicate that in areas underlain by salt, the Norfolk is likely to be 'high' where unusual thicknesses of salt occur in the Salina beds, and conversely, that the Guelph is apt to be 'high' where salt beds in the overlying Salina are thin. However, it is strongly emphasized that available data are inadequate as a basis for interpreting the foregoing as a general rule. Thus, it should not be taken for granted that a structural 'high' on the 'Big Lime', which is underlain by a thick salt section, will necessarily be above a 'low' on the Guelph formation.

Accumulation in the Dawn field is controlled largely by structure and most of the producing wells are located fairly high on the several domes that constitute the field. In general, the largest producers are highest on the structure, although during recent years commercial production of gas has been obtained as much as 140 feet below the crest.

The following logs, prepared from well samples, illustrate the stratigraphic succession in this field.

Log of Union Gas Company No. 98 Well

Location: lot 20, con. I, Dawn tp.

Elevation: 621 feet.

Formation	Depth	Thickness	Lithology
	Feet	Feet	
	0–10	10	No samples.
	10–65	55	Surface material.
Kettle Point	65–149	84	Shale: black; *Protosalvinia* throughout; traces of greenish grey shale at 89 to 107 feet and 119 to 131 feet; 20 per cent green shale at 143 feet.
	149–279	130	Shale: black; *Protosalvinia* throughout; trace of greenish grey shale at 267 to 279 feet; trace of pyrite in most samples.
Hamilton	279–309	30	Limestone: grey, crystalline; 30 per cent grey shale; crinoid columns, Bryozoa, and Brachiopod fragments 303 to 309 feet.
	309–339	30	Shale: grey; 50 per cent grey limestone at 327 feet; crinoid columns, Bryozoa, and Brachiopod fragments at 321 and 339 feet.
	339–345	6	Limestone: grey, crystalline; trace grey shale.
	345–510	165	Shale: grey; trace grey limestone at 363 to 381, 411, 447 feet; Tentaculites, Ostracoda, Bryozoa, and Brachiopod fragments 463 to 510 feet.
	510–520	10	Limestone: grey, shaly; 50 per cent grey shale; trace pyrite.
Norfolk	520–597	77	Limestone: light buff, finely crystalline; *Protosalvinia* at 538 and 591 feet; trace pyrite 531 and 573 feet.
	597–608	11	No samples.
	608–643	35	Limestone: buff, fine-grained; few frosted sand grains 638 to 643 feet; trace pyrite 608 and 623 feet.

Formation	Depth	Thickness	Lithology
	Feet	Feet	
Pre-Norfolk	643–681	38	Limestone: buff, finely crystalline; some fine porosity at 653 feet; few sand grains at 681 feet.
	681–783	102	Limestone: buff to brown, finely crystalline; 6 per cent gypsum at 699 to 705 feet; trace selenite and black carbonaceous streaks 729 to 777 feet.
	783–891	108	Magnesian limestone: buff to brown; finely crystalline; black carbonaceous streaks; some fine porosity at 789 to 801, 837 to 849, 873 to 891 feet.
	891–1,065	174	Magnesian limestone: brownish grey, finely crystalline; trace cherty limestone 897 to 957 feet; 2 per cent chert with dolomite crystals 969 to 1,017 feet; 30 per cent chert 1,023 to 1,065 feet.
	1,065–1,071	6	Chert: grey; 25 per cent magnesian limestone.
	1,071–1,083	12	Magnesian limestone: grey, finely crystalline; 40 per cent chert.
	1,083–1,101	18	Chert; 40 per cent grey, magnesian limestone.
	1,101–1,161	60	Magnesian limestone: brownish grey, finely crystalline; 40 per cent chert 1,101 to 1,149 feet; many sand grains 1,155 to 1,161 feet; trace pyrite 1,161 feet.
Bertie-Akron	1,161–1,242	81	Dolomite: buff and grey, fine-grained; oolitic at 1,203 feet; some fine porosity 1,209 to 1,215 feet.
Salina	1,242–1,247	5	Dolomite: brownish grey, fine-grained; 2 per cent dark grey, shaly dolomite.
	1,247–1,262	15	Shaly dolomite: grey, fine-grained; 40 per cent brown dolomite; trace dark grey shale; trace gypsum at 1,252 feet.
	1,262–1,313	51	Dolomite: brownish grey, fine-grained; grey, shaly dolomite at 1,289 feet; dolomitic shale 1,295 to 1,301 feet.
	1,313–1,400	87	Dolomitic shale: dark greenish grey; trace pink gypsum throughout; 50 per cent dolomite at 1,400 feet.
	1,400–1,537	137	Dolomite: brownish grey, fine-grained; trace of gypsum in most samples; 5 per cent gypsum at 1,527 feet; from trace to 25 per cent dark grey, dolomitic shale.
	1,537–1,562	25	Dolomitic shale: greenish grey; trace gypsum throughout.
	1,562–1,596	34	Dolomitic shale: grey and greenish; trace gypsum throughout; some brownish grey dolomite.
	1,596–1,612	16	Dolomite: brownish grey, fine-grained; some grey, shaly dolomite; trace gypsum.
	1,612–1,618	6	Dolomitic shale: greenish grey; trace pyrite.
	1,618–1,742	124	Dolomite: brownish grey and brown, fine-grained; trace grey shale 1,618 to 1,630 and 1,742 feet; trace gypsum 1,636 to 1,642 feet.
	1,742–1,757	15	Shaly dolomite: grey; trace dark grey, dolomitic shale.
	1,757–1,886	129	Dolomite: brownish grey, finely crystalline; trace dark grey, dolomitic shale 1,762 to 1,777 and 1,844 to 1,880 feet; 10 per cent gypsum at 1,767 to 1,777 feet; 25 per cent gypsum at 1,886 feet.
Guelph-Lockport	1,886–1,965	79	Dolomite: buff, finely crystalline.
	1,965–2,021	56	Dolomite: light grey, crystalline; some fine porosity at 2,021 feet.
	2,021–2,031	10	Dolomite: medium grey, crystalline.
Rochester	2,031–2,035	4	Shale: calcareous, dark grey.

Log of Union Gas Company No. 61 Well

Location: lot 23, con. II, Dawn tp.
Elevation: 621 feet.

Formation	Depth	Thickness	Lithology
	Feet	Feet	
	0–69	69	Glacial drift.
Kettle Point	69–245	176	Shale: black, bituminous; *Protosalvinia*.
Hamilton	245–315	70	Limestone: grey, crystalline, fossilsferous; some grey, limy shale.
	315–425	110	Shale: grey.
	425–440	15	Limestone: grey, shaly; some grey, limy shale.
	440–475	35	Shale: grey; some grey, limy shale.
Norfolk	475–555	80	Limestone: grey, finely crystalline, crinoidal; *Protosalvinia* near base.
Pre-Norfolk	555–580	25	Limestone: light grey, fine-grained; some black bituminous streaks.
	580–585	5	Dolomitic limestone: light buff, fine-grained; 15 per cent sand.
	585–625	40	Dolomitic limestone: light buff, finely crystalline.
	625–630	5	Dolomitic limestone: buff, fine-grained; about 30 per cent sand.
	630–640	10	Dolomitic limestone: buff, fine-grained; 10 per cent sand.
	640–655	15	Dolomite: buff, fine-grained.
	655–690	35	Dolomite: buff, fine-grained; few black bituminous streaks.
	690–695	5	Dolomite: light grey, fine-grained.
	695–780	85	Dolomite: grey and light buff, fine-grained, finely porous; trace of selenite.
	780–790	10	Dolomitic limestone: light buff, medium-grained.
	790–835	45	Dolomite: brown, finely crystalline.
	835–950	115	Dolomite: brown, medium-grained; much cherty dolomite and chert; 50 per cent coarse sand at 945 to 950 feet.
Bertie-Akron	950–980	30	Dolomite: grey, fine-grained.
	980–1,040	60	Dolomite: light buff and grey, fine-grained.
Salina	1,040–1,045	5	Dolomite and shaly dolomite: grey; 20 per cent gypsum.
	1,045–1,055	10	Dolomite: buff, fine-grained; 25 per cent gypsum.
	1,055–1,070	15	Shaly dolomite: grey; trace gypsum.
	1,070–1,085	15	Dolomite: buff, fine-grained.
	1,085–1,225	140	Shaly dolomite and dolomitic shale: grey; some buff dolomite; trace gypsum.
	1,225–1,335	110	Dolomite: buff, fine-grained; little grey, shaly dolomite; trace gypsum.
	1,335–1,390	55	Shaly dolomite: grey; some grey, dolomitic shale; little gypsum.
	1,390–1,395	5	Shaly dolomite: grey; 35 per cent gypsum.
	1,395–1,435	40	Dolomite: grey; much grey, dolomitic shale; trace gypsum.
	1,435–1,615	180	Salt.
	1,615–1,625	10	Dolomite: brown, fine-grained; trace gypsum.
	1,625–1,640	15	Dolomitic limestone and limestone: grey, fine-grained.
	1,640–1,670	30	Dolomitic limestone: brownish grey, fine-grained.
	1,670–1,745	75	Dolomitic limestone: dark brownish grey, fine-grained; some grey limestone.
	1,745–1,770	25	Dolomitic limestone: grey and brownish, fine-grained; some limy shale; trace gypsum.
	1,770–1,805	35	Salt.
	1,805–1,815	10	Gypsum.
	1,815–1,825	10	Dolomite: brown, fine-grained.
	1,825–1,835	10	Dolomite: brown, fine-grained and granular.
	1,835–1,845	10	Dolomitic limestone: grey, fine-grained.
	1,845–1,850	5	Dolomite: grey, fine-grained.
	1,850–1,870	20	Dolomite: brown, fine-grained.

30991—6½

Formation	Depth	Thickness	Lithology
	Feet	Feet	
Salina	1,870–1,875	5	Dolomite: brownish grey, fine-grained; some dense dolomitic limestone.
	1,875–1,910	35	Dolomitic limestone: dark grey and grey, dense; some brown dolomite.
	1,910–1,930	20	Dolomitic limestone: dark grey, fine-grained; some grey, limy shale.
Guelph	1,930–1,990	60	Dolomite: grey and light grey, crystalline.

Log of Union Gas Company No. 59 Well

Location: lot 24, con. II, Dawn tp.
Elevation: 627 feet.

Formation	Depth	Thickness	Lithology
	Feet	Feet	
	0–69	69	Glacial drift.
Kettle Point	69–252	183	Shale: black, bituminous.
Hamilton	252–265	13	Limestone: grey, crystalline.
	265–325	60	Shale: grey; some grey, shaly limestone.
	325–385	60	Shale: grey.
	385–425	40	Shale: grey, limy.
	425–440	15	Limestone: grey, shaly; some grey, limy shale.
	440–470	30	Shale: grey, fossiliferous.
	470–476	6	Limy shale and shaly limestone: grey.
Norfolk	476–560	84	Limestone: light buff, finely crystalline; crinoidal.
Pre-Norfolk	560–580	20	Limestone: light buff, dense; 10 per cent sand.
	580–620	40	Dolomitic limestone: buff and brown, fine-grained; 10 per cent sand.
	620–650	30	Dolomitic limestone: light grey, fine-grained; some black streaks.
	650–805	155	Dolomitic limestone: light buff, fine-grained; little gypsum at the top; little chert at the base.
	805–850	45	Dolomite; brown, granular; 20 per cent chert.
	850–965	115	Dolomite: brownish grey, granular; some cherty dolomite; chert throughout; 20 per cent sand at 955 to 965 feet.
Bertie-Akron	965–990	25	Dolomite: light buff, fine-grained.
	990–1,015	25	Dolomite: buff and brown, fine-grained.
	1,015–1,070	55	Dolomite: light grey to buff, fine-grained.
Salina	1,070–1,080	10	Shaly dolomite: grey; some grey, dolomitic shale.
	1,080–1,100	20	Dolomite: light buff, fine-grained.
	1,100–1,190	90	Shaly dolomite: grey, fine-grained; some grey, dolomitic shale and brown dolomite; trace of gypsum.
	1,190–1,225	35	Dolomite: light brown, fine-grained; some grey dolomite.
	1,225–1,230	5	Shaly dolomite: grey, fine-grained; some grey, dolomitic shale.
	1,230–1,330	100	Dolomite: light brown, fine-grained; some grey, shaly dolomite; 40 per cent gypsum at 1,320 to 1,330 feet; trace gypsum throughout.
	1,330–1,425	95	Shaly dolomite and dolomitic shale: grey, fine-grained; brown dolomite at 1,380 to 1,425 feet; trace gypsum at 1,330 to 1,380 feet.
	1,425–1,540	115	Salt; some dolomitic shale at 1,430, 1,450, 1,480, and 1,500 feet: 70 per cent gypsum at 1,520 to 1,530 feet.
	1,540–1,555	15	Dolomite: brown, fine-grained.
	1,555–1,580	25	Dolomite: brownish grey, fine-grained.
	1,580–1,610	30	Dolomite: brownish grey and dark grey, fine-grained.
	1,610–1,640	30	Shaly dolomite and dolomitic shale: grey; trace gypsum at 1,610 to 1,625 feet; 60 per cent gypsum at 1,625 to 1,640 feet.
	1,640–1,645	5	Dolomite: brown, fine-grained; 50 per cent gypsum.
Guelph	1,645–1,670	25	Dolomite: light brown, medium-grained.

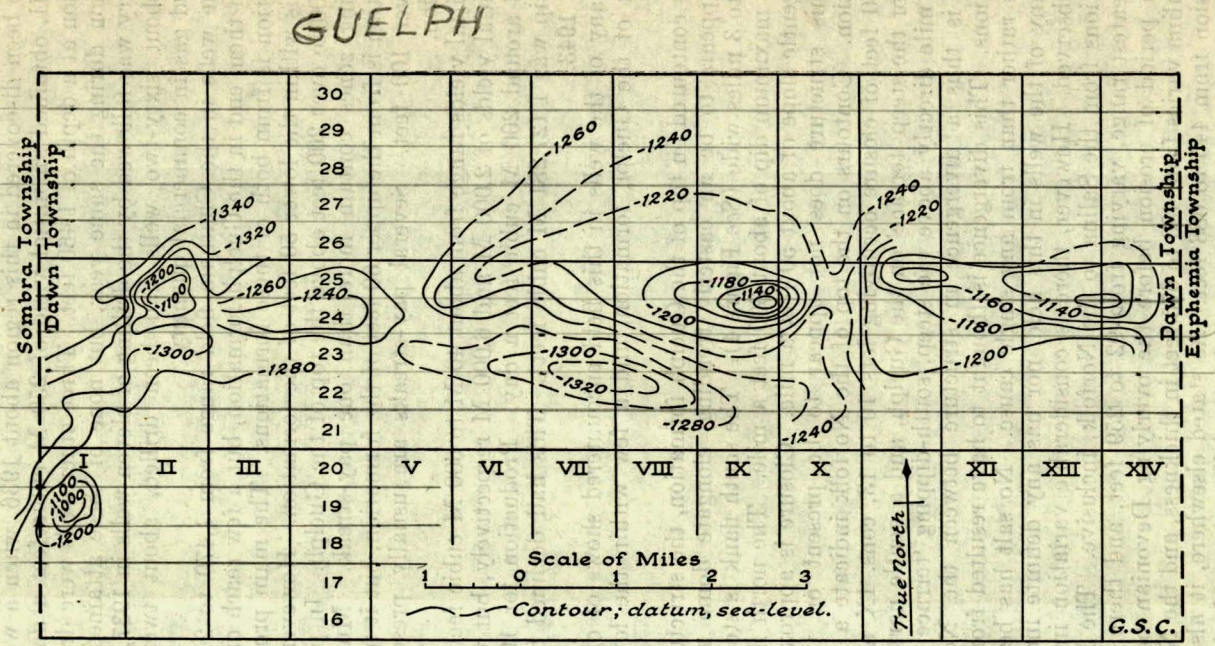


Figure 3. Dawn gas and oil field, showing structure contours drawn on top of the Guelph formation.

Kent County

Chatham Gas Field. The Chatham gas field occupies lots 5 to 19, cons. IX to XIII, in the northern part of Chatham township. A small productive area is also present in lot 23, con. VII. Natural gas in commercial quantity appears to have been discovered in this region about 1936, when a well drilled in lot 8, con. XII, obtained an initial yield of 250 M cubic feet a day from the Salina formation at a depth of 1,460 feet. Three other wells were drilled to the Guelph formation during the same year, but none of these attained production. The discovery was followed by the drilling of eleven wells in 1937, and by the end of 1943 about sixty-two wells had been drilled, about twenty-five of which obtained gas in commercial quantity.

The wells in the Chatham field range from 1,470 to 2,135 feet in depth. Most of them end in the Guelph formation, but a few reach only into the Salina. Production is from both of these formations. The main producing zone in the Salina is within the lower 50 feet of the formation. However, gas is also found from 100 to over 200 feet above the top of the Guelph. In places both of these producing zones contain more than one pay-streak. Much of the Guelph production is from the upper 60 feet of the formation, but it may also come from well over 100 feet. Several pay-streaks are usually present in the Guelph formation.

Initial yields range from about 40 M to 600 M cubic feet a day. Two wells had initial yields of 2,000 M and 6,000 M respectively, but the average for the field is around 200 M cubic feet a day. Production for 1942 from Chatham township was 1,127,281 M cubic feet[1]. This had declined to 311,029 M cubic feet in 1943.

Many of the wells in this field encountered shows of oil within the upper 15 feet of the Guelph formation, and a few within the lower 60 feet of the Salina.

As contoured on top of the Guelph formation, the structure of the Chatham field appears to be an easterly trending, elongate dome about 5 miles long and 2 to 3 miles wide (*See* Figure 4). The south flank is steep and terrace-like, with a maximum dip of about 300 feet a mile. The north flank shows a much more gentle slope of about 50 feet a mile. Closure is approximately 100 feet.

This structure does not appear to be present on the higher Norfolk formation. Contours on the top of the Norfolk indicate a low dome with less than 20 feet of closure occupying lots 10 to 13, cons. IX and X, immediately south of the steep 'terrace' on the Guelph, and a gentle north dip of about 100 feet a mile directly above the steep, south-dipping 'terrace' on this formation. There is thus a divergence in structure between the Norfolk and Guelph formations. This divergence is thought to have resulted from a combination of factors rather than from any single cause. No salt has been seen in samples from any of the wells in this field, nor has any definite indication of faulting been observed. However, there is considerable variation in thicknesses of the formations from the Salina to the Norfolk, inclusive. The Bertie-Akron shows the greatest range, varying from 92 to 259 feet, and there is thought to have been a period of erosion before the overlying Devonian beds were deposited. The Salina varies from 480 to 675 feet in thickness, and the Norfolk–Pre-Norfolk succession from 445 to 688 feet. As stated elsewhere, it also seems likely that a disconformity is present between the Norfolk and pre-Norfolk (Detroit River) beds. It is, therefore, probable that these stratigraphic irregularities, together have resulted in the structural divergence shown by the contours on the Guelph and Norfolk formations respectively.

[1] Dominion Bureau Statistics Metallurgical and Chemical Branch.

Dawn Gas and Oil Field. The Dawn field occupies lots 18 to 20, con. I, and lots 23 to 25, cons. I to XIV, Dawn township.

The field was discovered in 1921 and for many years was one of the leading gas producers in Ontario. From 1944 to 1952 inclusive, eleven wells were drilled within the boundaries of the Dawn field. Six of these were completed as storage wells, two were gas wells, and three were dry holes.

To the end of 1943, the Dawn field had produced about 15,000,000 Mcf. of gas (Caley, 1945). Production from 1943 to the end of 1952 was about 2,373,505 Mcf. and has since declined to 744 Mcf. for 1952 from twenty-four operating wells. In addition, 960 barrels of oil were recovered from 1944 to 1948 inclusive, with no production since that date.

Dawn No. 156 Gas Pool. The Dawn 156 pool lies in lot 33, con. II, Dawn township.

The pool was discovered in 1952, two wells were drilled, one of which is a producing gas well and the other a dry hole. The gas well had an initial production of 6,014 Mcf. a day from a reef in the Guelph formation.

Petrolia Oil Field and Enniskillen Township. The Petrolia field occupies a large area in the northwest part of Enniskillen township, and extends into the adjoining townships of Moore and Sarnia, as outlined on Map 1042A.

The field was discovered about 1862, and was the leading oil producer for many years, until the Becher oil field came into production in 1946. Since then it has lagged far behind, and during 1952 its production was about half that of the Becher field.

Several thousand wells have been drilled in the Petrolia field, most of which were completed prior to 1900. Only twelve wells have been drilled there since 1943, eight of which recovered some oil from the Dundee formation and four of which were dry holes.

Approximately 16,108,943 barrels of oil were recovered from the Petrolia field to the end of 1943 (Caley, 1945). From 1944 to 1952 inclusive 365,321 barrels of oil were produced from the Petrolia field and elsewhere in Enniskillen township exclusive of the Oil Springs field. This makes a total of about 16,474,264 barrels produced to date. During 1952, 36,330 barrels were recovered from four hundred and five operating wells.

Outside the Petrolia and Oil Springs fields is a small productive area in lots 23, 27, and 29, con. VIII, and lots 26 to 28, con. IX, Enniskillen township. Five wells obtained some oil from near the base of the Dundee formation. Production figures are included with those of the Petrolia field. Contours on top of the Dundee (Map 1042A) indicate a gentle dome structure.

A small gas pool was discovered in 1952 on lot 29, con. I, Enniskillen township. One well has been completed, with an initial production of 353 Mcf. of gas a day, from unit A-2 of the lower Salina.

Oil Springs Field. The Oil Springs field lies in lots 16 to 19, cons. I and II, Enniskillen township.

Only two wells have been completed within the limits of this field since 1943, each producing about ½ barrel of oil a day from the Dundee formation. Total production to the end of 1943 was about 7,972,375 barrels of oil (Caley, 1945), and production from 1944 to 1952 inclusive was 238,571 barrels, making a total of 8,210,946 barrels recovered. Production during 1952 was 26,957 barrels from six hundred and forty-one operating wells.

KENT COUNTY

Camden Gore-Chatham Gas Field. The Camden Gore-Chatham field lies mainly in lots 2 to 6, cons. V, VII, VIII, and X, Camden Gore tp., and lots 8 to 23, cons. VII to XIII, Chatham township.

The field was discovered in 1936 and by the end of 1943 about sixty-two wells had been drilled (Caley, 1945). Over thirty wells were completed in the two townships during the period from 1943 to 1952, most of which are located in Camden Gore township. Twenty-one of the wells drilled during this period were successful gas producers and ten were dry holes.

Production has rapidly declined from 336,852 Mcf. in 1944 to 87,577 Mcf. in 1952. Cumulative production to the end of 1952 was about 4,669,000 Mcf. of gas.

Map 1042A, inset, shows structure contours on top of the Guelph formation in the Camden Gore-Chatham field.

Chatham Gore Gas Pool. The Chatham Gore pool lies in lot 18, con. IV, Chatham Gore township.

The pool was discovered in 1951 and since that time four wells have been completed in the area, only one of which obtained production in commercial quantity. It had an initial open flow of 700 Mcf. of gas a day from unit A-1 of the lower Salina.

Electric Gas Pool. The Electric pool lies in lot 19, con. XIV, Dover tp., about 2 miles west of the village of Electric.

The pool was discovered in 1948 and consists of one producing gas well. Initial open flow was 685 Mcf. a day from the Basal beds at a depth of 3,965 feet.

Wolfe Gas Pool. The Wolfe pool lies in lot 10, con. IV R.T., Harwich township, about 3 miles east of the city of Chatham.

The pool was discovered in 1952 and to date only one producing gas well and one dry hole have been completed. The producing well had an initial open flow of 400 Mcf. of gas a day, from unit A-2 of the lower Salina.

D'Clute Gas Field. The D'Clute field occupies lots 138 to 147, Talbot Road Survey, and lots 13 to 17, con. XIV, Raleigh township.

The field was discovered in 1929. From 1943 to 1952, only three wells were completed within the boundaries of the field, one of which obtained gas production and two were dry holes.

Approximately 14,000,000 Mcf. of gas had been recovered to the end of 1943 (Caley, 1945). From 1944 to 1952 inclusive 3,311,252 Mcf. of gas were recovered, making a total of about 17,311,252 Mcf. Production for 1952 was 289,395 Mcf. from twenty-eight operating wells.

Tilbury Gas Field. The Tilbury field lies in the eastern part of Romney township, southeast part of Tilbury East township, and the southwest part of Raleigh township.

The field was discovered in 1906 and was the leading gas producer in Ontario for many years. Since 1943 five wells have been completed within the boundaries of the field, none of which was successful in obtaining production. However, nine wells have been completed in Lake Erie, all of which are successful gas producers.

The total production of the Tilbury field to the end of 1943 was about 199,240,237 Mcf. of gas (Caley, 1945). From 1944 to 1952 inclusive 17,675,460 Mcf. of gas was produced, making a total of about 216,915,697 Mcf. to date. Production for 1952 was 1,646,362 Mcf. from three hundred and seventy-three operating wells. The above production figures include Tilbury East, Romney, and Raleigh (with the exception of the D'Clute field) townships, and wells producing in Essex county.

WELL RECORDS

Chapter VI of Memoir 240 contains a list of all we
1943, with the exception of some of the earlier ones for
available.

The following table presents a record of those wells d
1944 to 1952 inclusive:

The following abbreviations are used:

R.R.	River range
L.F.	Lake front
I.R.	Indian Rese
S.M.R.	South of Mi
N.M.R.	North of Mi
W.D.	Western Div
E.D.	Eastern Div
W.C.R.	West of con
W.B.	West Bound
R.T.	Thames Riv
N.T.R.	North of Ta

Wells in Dawn Township, Lambton County

Lot	Con	Designation	Location	Year drilled	Elev.	Depth	Bedrock Formation	Production Prod. Depth	Formation	Initial Prod. Mcf obls	R.P.	Thickness of Drift	Remarks
19	1	Union Gas Co. of Canada, Ltd. Clinton Childs No. 3.	240 ft. E. of centre line.. 340 ft. N. of centre line.	1947	622	1,795	Kettle Point	1,622–1,795	Guelph	669 Mcf.	175	70	Fresh water at 65 ft. Sulphur water at 535, 758, and 764 ft.
19	1	Union Gas Co. of Canada, Ltd. F. Ellis No. 5.	1,200 ft. N. of S. line..... 232 ft. W. of centre line.	1950	622	1,800	"	1,604–1,790	Guelph	2,115 Mcf.	185	72	Fresh water at 70 ft. Sulphur water at 596 to 602 ft. Show of oil at 486 ft.
19	1	Union Gas Co. of Canada, Ltd. F. Ellis No. 4.	1,475 ft. E. of W. road.... 500 ft. N. of S. line.	1949	621	1,795	"	1,640–1,795	Guelph	2,016 Mcf.	196	75	Fresh water at 75 ft. Sulphur water at 633 ft.
19	1	Union Gas Co. of Canada, Ltd. F. Ellis No. 3.	925 ft. N. of S. line..... 475 ft. W. of E. property line.	1944	622	1,810	"	1,640–1,804	Guelph	1,473 Mcf.	175	72	Fresh water at 72 ft. Sulphur water at 610 ft. Shows of gas at 490, 520, and 1,524 to 1,530 ft.
21	1	Union Gas Co. of Canada, Ltd. M. Stevens No. 1.	1,500 ft. W. of E. road.... 700 ft. S. of N. line.	1951	625	1,928	"	.....	.....	Dry	.....	64	Fresh water at 62 ft. Sulphur water at 640 to 711 ft. Show of oil at 1,642 and 1,804 ft.
34	1	Union Gas Co. of Canada, Ltd. F. J. and P. M. Mills No. 1.	2,200 ft. W. of E. line..... 180 ft. N. of S. line.	1951	626	2,120	"	.....	.....	Dry	.....	80	Fresh water at 75 ft. Sulphur water at 682 to 688 ft. Salt water at 1,690 to 1,976 ft. Show of oil at 1,920 ft. Show of gas at 1,972 ft.

Sandford

22	2	Union Gas Co. of Canada, Ltd. W. Abrahams No. 2.	100 ft. N. of S. line..... 100 ft. W. of E. line.	1951	631	2,040	"	.....	.....	Dry	.....	72	Fresh water at 70 ft. Sulphur water at 740 and 780 ft. Salt water at 1,683 and 1,932 ft. Show of oil at 1,657 ft. Show of gas at 1,915 ft.
22	2	Union Gas Co. of Canada, Ltd. W. Abrahams No. 1.	75 ft. N. of S. line..... 100 ft. E. of centre line.	1951	628	1,924	"	1,658 1,897- 1,915	Salina Guelph	590 Mcf.	683	77	Fresh water at 77 ft. Sulphur water at 638 to 661 ft. Salt water at 1,670 to 1,676 ft.
23	2	Union Gas Co. of Canada, Ltd. E. Green No. 2.	1,610 ft. W. of E. road.... 150 ft. N. of S. line.	1950	629	2,060	"	.....	.....	Dry	.....	63	Fresh water at 63 ft. Sulphur water at 648 and 680 ft. Salt water at 1,665 and 1,695 ft. Show of oil and gas at 1,801 ft.
24	2	Union Gas Co. of Canada, Ltd. J. N. McLachlin No. 3.	75 ft. S. of N. line..... 75 ft. E. of centre line..	1947	628	1,825	"	1,556- 1,746	Salina Guelph	9,000 Mcf.	24	80	Fresh water at 78 ft. Sulphur water at 605 ft.
25	2	Union Gas Co. of Canada, Ltd. Fred Sands No. 2.	410 ft. W. of centre line.. 100 ft. N. of S. line.	1947	627	1,825	"	1,586- 1,788	Guelph	8,560 Mcf.	24	78	Fresh water at 80 ft. Sulphur water at 500 ft.
33	2	Union Gas Co. of Canada, Ltd. N. and V. Wilson No. 1.	400 ft. S. of N. line..... 450 ft. E. of W. road.	1952	629	1,734	"	1,621- 1,734	Salina Guelph	6,014 Mcf.	878	72	Fresh water at 72 ft. Sulphur water at 600 ft.
19	7	Union Gas Co. of Canada, Ltd. R. and N. Broad No. 1.	1,770 ft. W. of E. line..... 300 ft. N. of S. line.	1951	651	2,016	"	.....	.....	Dry	.....	65	Fresh water at 60 ft. Sulphur water at 390 ft.
29	7	Mud Island Oil Synd. No. 1.... W. J. Loosemore.	635 ft. S. of N. line..... 365 ft. W. of E. road.	1944	657	1,175	"	.....	.....	Dry	.....	60	Fresh water at 60 ft. Black water at 560 ft.
25	8	Union Gas Co. of Canada, Ltd. S. Johnston No. 2.	880 ft. E. of W. road.... 125 ft. N. of S. line.	1944	660	1,901	"	1,572- 1,606	Guelph	79 Mcf.	190	66	Fresh water at 59 ft. Sulphur water at 565 ft. Salt water at 1,873 and 1,879 ft.
29	8	Union Gas Co. of Canada, Ltd. E. Strevel No. 1.	750 ft. N. of S. line..... 700 ft. E. of W. line.	1951	656	2,070	"	.....	.....	Dry	.....	55	Fresh water at 53 ft.
31	8	E. A. Roth..... H. S. Murphy No. 1.	990 ft. N. of S. road..... 1,080 ft. W. of E. line.	1946	660	600	"	.....	.....	Dry	.....	45	Fresh water at 45 ft. Black sulphur water at 420 and 460 ft.
32	9	Union Gas Co. of Canada, Ltd. L. Jinks No. 1.	400 ft. S. of N. line..... 1,600 ft. W. of E. line.	1951	664	2,042	"	.....	.....	Dry	.....	66	Fresh water at 60 ft. Sulphur water at 439 ft. Salt water at 1,974 ft. Show of gas at 1,778 ft.
32	9	Union Gas Co. of Canada, Ltd. L. Jinks No. 2.	1,000 ft. W. of E. road.... 100 ft. N. of S. line.	1952	663	2,050	"	.....	.....	Dry	.....	77	Fresh water at 75 ft. Sulphur water at 420 ft. Salt water at 1,942 ft.

Wells in Dawn Township, Lambton County—Concluded

Lot	Con.	Designation	Location	Year drilled	Altitude in feet above sea-level	Depth in feet	Bedrock formation	Producing depth in feet	Producing formation	Yield Mcf. or bbls.	Pressure in lbs. sq. in.	Thickness of drift in feet	Remarks
33	9	Union Gas Co. of Canada, Ltd. A. McMurphy No. 1.	1,000 ft. E. of W. line..... 300 ft. N. of S. line.	1951	662	1,972	Kettle Point	1,813	.....	112 Mcf.	.....	65	Fresh water at 58 ft. Sulphur water at 374, 467, and 535 ft. Salt water at 1,921 ft. Show of oil at 374 ft.
33	9	Union Gas Co. of Canada, Ltd. M. Oliver No. 1.	600 ft. S. of N. line..... 1,325 ft. W. of E. road.	1952	664	2,045	"	.....	.....	Dry	.....	62	Sulphur water at 530 ft. Salt water at 1,930 ft.
19	10	Imperial Oil Limited..... T. Dalton No. 1.	240 ft. S. of N. line..... 100 ft. E. of W. line.	1950	646	2,015	"	.....	.....	Dry	.....	48	Fresh water at 45 ft. Sulphur water at 345 ft. Salt water at 1,905 ft.
28	10	Imperial Oil Limited..... D. E. Zavitz No. 1.	50 ft. E. of W. line..... 50 ft. N. of S. line.	1947	661	520	"	.....	.....	Dry	.....	61	Fresh water at 59 ft.
14	12	Union Gas Co. of Canada, Ltd. Lyle Williams No. 1.	662 ft. S. of N. line..... 100 ft. W. of E. road.	1948	626	1,735	"	.....	.....	Dry	.....	44	Fresh water at 44 ft. Sulphur water at 340 ft. Salt water at 1,653 ft. Shows of oil at 1,605, 1,617, and 1,677 ft.
15	13	Union Gas Co. of Canada, Ltd. A. and S. Brentz No. 1.	95 ft. S. of road..... 100 ft. E. of centre line.	1948	633	1,761	"	.....	.....	Dry	.....	40	Fresh water at 40 ft. Sulphur water at 324 ft. Salt water at 1,728 ft.

Wells in Enniskillen Township, Lambton County

12	1	Union Gas Co. of Canada, Ltd. J. McDonald No. 1.	3,632 ft. N. of S. road.... 150 ft. W. of E. road.	1948	654	2,028	Hamilton	.....	.....	Dry	.....	77	Fresh water at 70 ft. Sulphur water at 400 to 512 ft. Salt water at 2,016 ft. Show of oil at 315 ft.
29	1	Union Gas Co. of Canada, Ltd. S. Mills No. 1.	200 ft. N. of S. road..... 250 ft. W. of E. line.	1952	670	1,884	Kettle Point	1,618–1,751	Salina	353 Mcf.	805	50	Fresh water at 48 ft. Sulphur water at 550 ft. Salt water at 1,800 and 1,835 ft.
1	2	Imperial Oil Ltd..... J. A. Campbell No. 1.	1,000 ft. N. of S. line..... 200 ft. W. of E. line.	1947	628	615	"	.....	.....	Dry	.....	64	Fresh water at 68 ft. Salt water at 515 ft.

172	S.T.R.	Union Natural Gas Co. No. 126	SW. Corner	1914	636	1,404	.....	1,230-1,390	"	1,000 Mcf.	527	.....	
173	S.T.R.	Union Natural Gas Co. No. 127	SW. Corner	1914	636	1,372	Hamilton	1,230-1,340	"	1,950 Mcf.	.....	.....	
173	S.T.R.	Southern Ontario Gas Co. No. 6	400 ft. S. of Talbot road 50 ft. E. of centre line	.....	635	.....	.....	.....	.....	.....	.....	.....	
174	S.T.R.	Union Natural Gas Co. No. 232	SW. Corner	1917	637	1,400	.....	1,225-1,400	Salina Guelph	600 Mcf.	435	.....	
175	S.T.R.	Union Natural Gas Co. No. 260	SW. Corner	1926	638	1,940	Hamilton	1,235-1,380	"	305 Mcf.	273	175	Fresh water at 175 ft. Salt water at 690 ft.
177	S.T.R.	Union Natural Gas Co. No. 51	100 ft. S. of Talbot road 200 ft. E. of W. line	1911	640	1,401	"	1,220-1,390	"	1,000 Mcf.	565	.....	
177	S.T.R.	Dominion Natural Gas Co., Ltd. Lake well No. 12	800 ft. from shore 350 ft. W. of E. line	1941	.....	1,345	"	.....	.....	Dry	.....	125	Fresh water at 124 ft. Black water at 330, 615, and 1,345 ft. Show of gas at 1,160, 1,265, and 1,330 ft.
173	S.T.R.	Southern Ontario Gas Co. No. 1	300 ft. off shore 50 ft. W. of E. line	1913	582	1,348	"	1,150-1,345	Salina Guelph	3,500 Mcf.	530	124	
177	S.T.R.	Dominion Natural Gas Co., Ltd.	800 ft. off shore 3,420 ft. E. of W. line										

Wells in Dawn Township, Lambton County

Caley

11	1	Union Gas Co. of Canada, Ltd., No. 58	50 ft. S. of centre line... 50 ft. E. of W. line	1931	599	2,188	Kettle Point	.....	.....	Dry	.....	50	Sulphur water at 480 and 605 ft.
18	1	Union Gas Co. of Canada, Ltd., No. 53	800 ft. S. of N. road..... 500 ft. E. of W. line	1930	619	2,030	"	1,605-1,670	Salina	247 Mcf.	700	60	Fresh water at 60 ft. Salt water at 545 and 1,815 ft.
18	1	Union Gas Co. of Canada, Ltd., No. 46	550 ft. N. of S. line..... 1,450 ft. E. of W. line	1930	625	2,046	"	1,783	Guelph	27 Mcf.	.....	55	Salt water at 573 ft.
19	1	Union Gas Co. of Canada, Ltd., No. 49	1,300 ft. N. of S. line..... 1,700 ft. E. of W. line	1930	622	1,794	"	1,605-1,794	.....	4,000 Mcf.	865	65	
19	1	Union Gas Co. of Canada, Ltd., No. 47	50 ft. N. of S. line..... 1,150 ft. E. of W. line	1930	622	1,787	"	1,533-1,698	.....	7,200 Mcf.	875	70	Fresh water at 67 ft. Sulphur water at 605 and 650 ft.
19	1	Union Gas Co. of Canada, Ltd., No. 45	50 ft. N. of S. line..... 1,800 ft. W. of E. line	1930	622	2,025	"	1,625-1,740	Salina Guelph	150 Mcf.	775	70	Fresh water at 68 ft. Salt water at 520 and 1,745 ft. Show of oil.
19	1	Union Gas Co. of Canada, Ltd., No. 25	450 ft. S. of N. line..... 600 ft. W. of E. line	1928	626	3,869	"	1,282-1,690	Salina	25 Mcf.	705	60	Salt water at 610 and 1,695 ft.

Lot	Con.	Designation	Location	Year drilled	Altitude in feet above sea-level	Depth in feet	Bedrock formation	Producing depth in feet	Producing formation	Yield Mcf. or bbls.	Pressure in lbs. sq. in.	Thickness of drift in feet	Remarks
20	1	Union Gas Co. of Canada, Ltd., No. 51	450 ft. N. of S. line..... 1,500 ft. W. of E. line	1930	625	2,057	Kettle Point	1,660	Salina	Dry	.....	60	Fresh water at 62 ft. Salt water at 545 ft.
20	1	Union Gas Co. of Canada, Ltd., No. 98 J. J. and M. E. Dawson.....	335 ft. N. of S. line..... 975 ft. E. of W. road	1938	621	2,035	"	.....	.....	Dry	.....	65	Fresh water at 65 ft. Sulphur water at 605 ft. Salt water at 1,905 ft.
22	1	Union Gas Co. of Canada, Ltd., No. 110 Mrs. M. Stevens.....	300 ft. N. of S. line..... 1,450 ft. W. of E. road	1942	625	1,965	"	1,910-1,920	Guelph	606 Mcf.	.....	60	
22	1	Union Gas Co. of Canada, Ltd., No. 113 J. F. Jennings.....	350 ft. N. of S. line..... 1,600 ft. E. of W. road	1942	624	1,960	"	1,799-1,919	Salina Guelph	360 Mcf.	.....	65	Fresh water at 60 ft. Sulphur water at 630 ft.
23	1	Union Gas Co. of Canada, Ltd., No. 81 S. Crossman No. 1.....	80 ft. N. of S. line..... 75 ft. W. of E. road	1936	629	2,102	"	.....	.....	Dry	.....	65	Fresh water at 65 ft. Sulphur water at 640 ft. Show of gas and oil at 1,942 ft.
23	1	Union Gas Co. of Canada, Ltd., No. 87 S. Crossman No. 2.....	150 ft. S. of N. line..... 1,300 ft. W. of E. road	1936	627	2,070	"	.....	.....	Dry	.....	.....	Fresh water at 74 ft. Sulphur water at 580 ft. Salt water at 1,900 ft.
24	1	Union Gas Co. of Canada, Ltd., No. 82 W. and G. Phair.....	65 ft. N. of centre line.. 45 ft. W. of E. line	1936	628	2,080	"	1,825-1,830	Salina	Dry	.....	.....	Fresh water at 70 ft. Sulphur water at 565 ft. Salt water at 2,065 ft.
24	1	Union Gas Co. of Canada, Ltd., No. 70 W. and G. Phair.....	300 ft. S. of N. line..... 1,000 ft. W. of E. line	1934	627	2,120	"	.....	.....	Dry	.....	75	Salt water at 2,055 ft.
25	1	Union Gas Co. of Canada, Ltd., No. 60	750 ft. S. of N. line..... 2,000 ft. W. of E. line	1931	626	2,090	"	1,990	Guelph	Dry	.....	80	Sulphur water at 516 ft. Salt water at 1,995 and 2,070 ft.
13	2	Union Gas Co. of Canada, Ltd., No. 89 W. S. Fleming.....	50 ft. S. of N. line..... 500 ft. W. of E. road	1937	617	2,002	"	.....	.....	Dry	.....	55	Fresh water at 54 ft. Sulphur water at 520 ft. Salt water at 1,880 ft.
15	2	Union Gas Co. of Canada, Ltd., No. 57	60 ft. N. of S. line..... 1,000 ft. W. of E. line	1931	618	1,896	"	.....	.....	Dry	.....	55	Sulphur water at 435 ft. Salt water at 1,875 ft.
22	2	Simmon and Kesler..... Duddy No. 1.....	775 ft. S. of N. line..... 1,200 ft. W. of E. road	1936	629	2,005	"	1,890-1,920	Guelph	49 Mcf.	.....	60	Sulphur water at 700 ft. Salt water at 1,775 ft.

22	2	Union Gas Co. of Canada, Ltd., No. 111 Mrs. M. Stevens	45 ft. N. of S. line..... 90 ft. E. of W. road	1942	628	1,986	"	1,986	"	111 Mcf.	.....	70	
23	2	Union Gas Co. of Canada, Ltd., No. 71 L. Green	50 ft. S. of N. line..... 75 ft. E. of centre line	1934	628	2,060	"	1,812	Salina	7 bbls.	550	75	Sulphur water at 560 ft. Salt water at 1,975 ft.
23	2	Union Gas Co. of Canada, Ltd., No. 61 Chesney	NW. Corner.....	1932	626	1,987	"	1,815 1,820	"	12 Mcf. 25 bbls.	.....	70	Fresh water at 495 ft. Sulphur water at 615 ft. Salt water at 1,960 ft.
24	2	Union Gas Co. of Canada, Ltd., No. 59 J. McLachlin	250 ft. S. of N. line..... 1,600 ft. E. of W. line	1931	627	1,675	"	1,675	.....	2,500 Mcf.	860	70	Fresh water at 69 ft. Sulphur water at 595 ft.
24	2	Union Gas Co. of Canada, Ltd., No. 8 J. McLachlin	SE. Corner.....	1922	630	2,160	"	.....	.....	Dry	.....	63	
24	2	Union Gas Co. of Canada, Ltd., No. 65 J. McLachlin	900 ft. S. of N. line..... 1,200 ft. W. of E. line	1933	631	2,060	"	1,645–1,880	Salina Guelph	1,617 Mcf.	835	.....	Show of oil.
24	2	Union Gas Co. of Canada, Ltd., No. 64 J. McLachlin	900 ft. N. of S. line..... 920 ft. E. of W. road	1932	627	2,012	"	1,933–1,940	Guelph	20 bbls.	.....	75	Sulphur water at 555 ft.
24	2	Union Gas Co. of Canada, Ltd., No. 63 J. McLachlin	300 ft. N. of S. line..... 600 ft. E. of W. line	1932	627	1,960	"	1,813–1,824	Salina	50 bbls.	.....	60	Sulphur water at 580 ft. Salt water at 1,950 ft.
25	2	Union Gas Co. of Canada, Ltd., No. 62 C. Evans	400 ft. S. of N. line..... 2,100 ft. W. of E. line	1932	629	2,115	"	1,765–1,815	"	Dry	.....	70	Fresh water at 69 ft. Sulphur water at 540 ft. Salt water at 2,045 ft. Show of gas and oil.
25	2	Union Gas Co. of Canada, Ltd., No. 68 Woods	SE. Corner.....	1933	630	1,965	"	1,925–1,955	Guelph	10 bbls.	.....	60	Salt water at 535 ft. Show of gas.
25	2	Union Gas Co. of Canada, Ltd., No. 73 Moorehouse	NW. Corner.....	1934	627	2,131	"	1,980	"	Dry	.....	75	Fresh water at 73 ft. Sulphur water at 510 ft. Salt water at 1,995 ft.
25	2	Union Gas Co. of Canada, Ltd., No. 84 Sands	500 ft. N. of S. line..... 600 ft. E. of W. line	1936	627	2,074	"	.....	.....	Dry	.....	69	Fresh water at 69 ft. Sulphur water at 560 ft. Salt water at 960 ft.
25	2	Union Gas Co. of Canada, Ltd., No. 85 C. Evans	600 ft. E. of centre line.. 500 ft. N. of S. line	1936	627	1,683	"	1,653 1,683	.....	20,000 Mcf.	795	75	Sulphur water at 590 ft.
25	2	Union Gas Co. of Canada, Ltd., No. 88 C. Evans	650 ft. S. of N. road..... 100 ft. W. of E. road	1936	631	2,050	"	1,955	Guelph	Dry	.....	72	Fresh water at 40 ft. Sulphur water at 565 ft. Salt water at 1,945 ft. Show of gas and oil.
15	3	Union Gas Co. of Canada, Ltd., No. 55 Stinson	300 ft. N. of S. line..... 1,800 ft. W. of E. line	1931	621	2,000	"	.....	.....	Dry	.....	65	Sulphur water at 535 and 560 ft.

Wells in Dawn Township, Lambton County—Continued

Lot	Con.	Designation	Location	Year drilled	Altitude in feet above sea-level	Depth in feet	Bedrock formation	Producing depth in feet	Producing formation	Yield Mcf. or bbls.	Pressure in lbs. sq. in.	Thickness of drift in feet	Remarks
22	3	Gubb and Russell..... W. T. Weese No. 2.....	300 ft. S. of N. line..... 300 ft. E. of W. line	1936	631	1,950	Kettle Point	.....	.....	.....	.....	.....	
22	3	Gubb and Russell.. W. T. Weese No. 3.....	1,000 ft. E. of W. line..... 500 ft. S. of N. line	1936	.....	.....	.....	.....	.....	.....	.....	.....	
24	3	Union Gas Co. of Canada, Ltd., No. 83 Woods	NW. Corner.....	1936	627	2,020	Kettle Point	1,820 1,936	Salina Guelph	6 bbls. 50 Mcf.	.....	.. 72	Sulphur water at 545 and 660 ft.
24	3	Union Gas Co. of Canada, Ltd., No. 10 C. Robinson.....	750 ft. N. of S. line..... 1,100 ft. W. of E. line	1923	635	1,980	"	1,940	Guelph	Dry	.....	80	Salt water at 660 and 875 ft. Show of oil and gas.
23	4	Union Gas Co. of Canada, Ltd., No. 4 Medd.....	450 ft. S. of N. line..... 2,000 ft. W. of E. line	1933	641	2,072	"	1,614-1,639	Salina	345 Mcf.	700	100	
24	4	Union Gas Co. of Canada, Ltd., No. 90 A. McKinnon.....	400 ft. S. of N. line..... 2,300 ft. W. of E. road	1937	642	2,042	"	.....	.....	Dry	.....	75	Sulphur water at 670 ft.
24	4	Union Gas Co. of Canada, Ltd., No. 96 Mrs. L. McKinnon.....	500 ft. N. of S. line..... 750 ft. W. of E. road	1938	645	1,938	"	.....	.....	Dry	.....	80	Fresh water at 70 ft. Sulphur water at 625 ft. Salt water at 1,500 ft.
23	5	Union Gas Co. of Canada, Ltd., No. 31 L. Wicks.....	900 ft. S. of N. line..... 150 ft. E. of W. line	1929	627	2,328	"	.....	.....	Dry	.....	65	Fresh water at 65 ft. Salt water at 555 and 1,835 ft.
23	5	Union Gas Co. of Canada, Ltd., No. 20 L. Wicks	NW. Corner.....	1927	647	2,217	"	.....	.....	Dry	.....	66	Salt water at 665, 1,640, and 1,670 ft.
24	5	Union Gas Co. of Canada, Ltd., No. 3 J. Conneybeare	NE. Corner.....	1921	654	2,150	"	1,516-1,766	Salina	177 Mcf	775	90	
24	5	Union Gas Co. of Canada, Ltd., No. 6 Roy Merse	NW. Corner.....	1922	647	2,195	"	1,995	Guelph	105 Mcf.	935	120	Deepened to 3,080 ft. in 1934.
24	5	Union Gas Co. of Canada, Ltd., No. 69 J. Conneybeare.....	550 ft. S. of N. line..... 1,700 ft. W. of E. line	1933	648	2,041	"	1,875	"	226 Mcf.	800	.....	Sulphur water at 700 ft. Salt water at 1,645 ft.

24	5	Union Gas Co. of Canada, Ltd., No. 114 F. H. Conneybeare	650 ft. S. of N. line..... 950 ft. W. of E. road	1942	650	1,957	"	1,610–1,638	Salina	518 Mcf.	.....	78	Fresh water at 72 ft. Sulphur water at 530 ft.
25	5	Union Gas Co. of Canada, Ltd., No. 115 J. McLachlin	376 ft. N. of S. line..... 1,358 ft. W. of E. road	1942	650	1,797	"	1,754–1,760	"	198 Mcf.	.....	71	Fresh water at 76 ft. Salt water at 770 ft.
26	5	Union Gas Co. of Canada, Ltd., No. 12 J. E. McDonald	NW. Corner.....	1926	648	2,236	"	1,655–1,948	Salina Guelph	Dry	.....	.....	Salt water at 530, 650, and 2,035 ft. Show of oil and gas.
1	6	Union Gas Co. of Canada, Ltd., No. 101 H. Reaume	50 ft. N. of S. road..... 75 ft. W. of E. road	1939	610	1,891	"	.....	.....	Dry	.....	55	Sulphur water at 590 and 630 ft. Salt water at 1,650, 1,750, and 1,885 ft.
24	6	Union Gas Co. of Canada, Ltd., No. 116 F. H. and J. F. Conneybeare	350 ft. S. of N. line..... 1,025 ft. E. of W. road	1943	654	1,647	"	1,629–1,642	Salina	1,426 Mcf.	645	75	Fresh water at 75 ft. Salt water at 606 ft.
24	6	Union Gas Co. of Canada, Ltd., No. 120 F. H. and J. F. Conneybeare	720 ft. S. of N. line..... 1,830 ft. E. of W. line	1943	654	1,693	"	1,620–1,646	"	264 Mcf.	.....	68	Fresh water at 68 ft. Sulphur water at 492 ft. Salt water at 1,646 and 1,675 ft.
24	6	Union Gas Co. of Canada, Ltd., No. 21 W. Turrill	400 ft. S. of N. line..... 500 ft. W. of E. line	1928	656	2,201	"	.....	.....	Dry	.....	75	Fresh water at 78 ft. Salt water at 620, 1,195, and 1,660 ft. Show of oil at 1,660 ft.
25	6	Union Gas Co. of Canada, Ltd., No. 29	SE. Corner.....	1929	656	2,200	"	1,607–1,755	Salina	Dry	.....	75	Salt water at 725, 1,650, and 1,995 ft. Show of gas and oil.
26	6	Union Gas Co. of Canada, Ltd., No. 2	50 ft. N. of S. line 1,050 ft. W. of E. line	1921	656	3,939	"	.....	.....	Dry	.....	80	Show of oil at 570 ft.
29	6	Union Gas Co. of Canada, Ltd.	NW. Corner.....	.....	.....	.....	.....	.....	.....	Dry	.....	.....	
20	7	Union Gas Co. of Canada, Ltd., No. 5 H. O'Neill	SE. Corner.....	1922	647	2,160	Kettle Point	.....	.....	Dry	.....	60	
23	7	Union Gas Co. of Canada, Ltd., No. 33 Webster	450 ft. S. of N. line..... 1,900 ft. W. of E. line	1929	657	2,290	"	.....	.....	Dry	.....	55	Fresh water at 58 ft. Salt water at 520 and 1,750 ft.
24	7	Union Gas Co. of Canada, Ltd., No. 1 McDiarmid	NE. Corner.....	1914	660	1,640	"	1,580–1,615	Salina	1,750 Mcf.	530	109	
24	7	Union Gas Co. of Canada, Ltd., No. 9 W. G. McGuire	800 ft. S. of N. line..... 150 ft. E. of W. line	1922	655	2,200	.....	.....	.....	Dry	.....	60	Show of gas at 1,642 ft.
24	7	Union Gas Co. of Canada, Ltd., No. 19 J. Mackie	200 ft. S. of N. line..... 2,050 ft. W. of E. line	1927	658	1,642	Kettle Point	1,592–1,690	Salina	1,053 Mcf.	600	60	Fresh water at 60 ft. Salt water at 630 ft.

Wells in Dawn Township, Lambton County—Continued

Lot	Con.	Designation	Location	Year drilled	Altitude in feet above sea-level	Depth in feet	Bedrock formation	Producing depth in feet	Producing formation	Yield Mcf. or bbls.	Pressure in lbs. sq. in.	Thickness of drift in feet	Remarks
29	7	Mud Island Oil Syndicate No. 1 W. J. Loosemoore	365 ft. W. of E. road..... 635 ft. S. of N. line	1944	.....	.....	.....	.....	.....	.....	.....	.....	
25	7	J. Perdu No. 1	500 ft. N. of S. line..... 1,200 ft. W. of E. line	1936	659	1,778	Kettle Point	1,590–1,672	Salina	800 Mcf.	450	70	Fresh water at 70 ft. Black water at 670 ft.
11	8	Union Gas Co. of Canada, Ltd., No. 91 W. A. Johnston	50 ft. N. of S. road..... 2,300 ft. E. of W. road	1937	597	1,880	"	.....	.....	Dry	.....	33	Fresh water at 33 ft. Sulphur water at 540 ft. Salt water at 1,604, 1,735, and 1,860 ft. Show of gas at 1,604 ft.
12	8	Union Gas Co. of Canada, Ltd., No. 92	850 ft. N. of S. line..... 50 ft. E. of W. road	1937	613	1,775	"	.....	.....	Dry	.....	32	Fresh water at 33 ft. Sulphur water at 480 ft. Salt water at 1,765 ft.
22	8	Union Gas Co. of Canada, Ltd., No. 11 W. G. McGuire	NW. Corner.....	1926	656	2,277	.....	.....	.....	Dry	.....	.....	Fresh water at 58 ft. Salt water at 550, 560, and 1,740 ft.
24	8	Union Gas Co. of Canada, Ltd., No. 18 J. Mackie	400 ft. S. of N. line..... 1,950 ft. E. of W. line	1927	661	1,610	Kettle Point	1,560–1,599	Salina	1,165 Mcf.	600	35	Fresh water at 60 ft. Black water at 540 ft. Salt water at 1,010 ft.
24	8	Union Gas Co. of Canada, Ltd., No. 74 Steinoff	1,200 ft. S. of N. line..... 1,000 ft. E. of W. line	1934	661	2,022	"	1,590	Salina	196 Mcf.	540	60	Sulphur water at 570 ft. Show of oil at 1,745 ft.
25	8	Union Gas Co. of Canada, Ltd., No. 22 R. Cross	700 ft. N. of S. line..... 1,400 ft. W. of E. line.....	1928	660	2,021	"	.....	.....	Dry	.....	65	Fresh water at 65 ft. Black water at 545 ft. Salt water at 650 and 1,970 ft.
24	9	Union Gas Co. of Canada, Ltd., No. 13 D. Turrill	325 ft. S. of N. line..... 1,900 ft. W. of E. line	1933	661	1,965	"	1,542–1,572	Salina	2,729 Mcf.	650	65	Fresh water at 60 ft. Salt water at 647 ft.
24	9	Union Gas Co. of Canada, Ltd., No. 16 D. Turrill	SE. Corner.....	1927	662	2,175	"	.....	.....	Dry	.....	45	Fresh water at 53 ft. Salt water at 420, 1,270, and 1,975 ft. Show of gas and oil.
24	9	Union Gas Co. of Canada, Ltd., No. 67 Steinoff	550 ft. S. of N. line..... 700 ft. E. of W. line	1933	663	2,025	"	1,561–1,850	Salina Guelph	1,200 Mcf.	.....	55	Fresh water at 67 ft. Sulphur water at 505 and 590 ft. Salt water at 1,785 ft.

24	9	Union Gas Co. of Canada, Ltd., No. 14 D. Turrill	NE. Corner	1927	660	1,580	"	1,550	Salina	650 Mcf.	650	60	Fresh water at 55 ft.
25	9	Union Gas Co. of Canada, Ltd., No. 79 Eden	1,000 ft. S. of N. line 50 ft. W. of E. line	1934	660	2,028	"	1,730–1,740	"	127 Mcf.	.....	.....	Sulphur water at 500 ft. Salt water at 1,880 ft. Show of oil at 1,740 ft.
30	9	E. Coste and Co.	NE. Corner	1923	665	3,913	"	.....	.....	Dry.	.....	.....	Fresh water at 60 ft. Salt water at 550 and 1,800 ft. Show of gas and oil.
22	10	Union Gas Co. of Canada, Ltd., No. 56 Christner	50 ft. S. of N. line 50 ft. W. of centre line	1931	655	2,030	"	.....	.....	Dry	.....	45	Sulphur water at 325 and 540 ft. Show of gas at 1,383 ft.
23	10	Union Gas Co. of Canada, Ltd., No. 50 Gray	100 ft. S. of N. line 700 ft. W. of E. line	1930	659	2,201	"	.....	.....	Dry	.....	40	Sulphur water at 425 ft. Salt water at 1,772 ft. Show of gas and oil.
24	10	Union Gas Co. of Canada, Ltd., No. 15 Pelkey	350 ft. S. of N. line 1,100 ft. E. of W. line	1927	658	2,180	"	1,658–1,727	Salina	519 Mcf.	710	55	Fresh water at 52 ft. Black water at 555 ft.
24	10	Union Gas Co. of Canada, Ltd., No. 17	300 ft. S. of N. line 1,900 ft. W. of E. line	1927	660	2,207	"	.....	.....	Dry	.....	55	Black water at 505 ft.
33	10	J. Perdu Edwin Fowler	2,680 ft. S. of N. road 160 ft. E. of W. road	1939	661	435	"	.....	.....	Dry	.....	66	Fresh water at 65 and 105 ft.
23	11	Union Gas Co. of Canada, Ltd., No. 52 Barnes	550 ft. N. of S. line 1,400 ft. E. of W. line	1930	659	1,822	.....	.....	.....	Dry	.....	45	Sulphur water at 380 ft. Salt water at 1,745 ft. Show of oil at 1,730 ft.
24	11	Union Gas Co. of Canada, Ltd., No. 40 Butler	400 ft. S. of N. line 2,000 ft. W. of E. line	1929	657	2,135	Kettle Point	.....	.....	Dry	.....	.....	Salt water at 590 and 1,722 ft. Show of gas at 1,710 ft.
25	11	Union Gas Co. of Canada, Ltd., No. 80 L. Taylor	50 ft. S. of N. line 90 ft. E. of W. line	1936	659	1,840	"	1,570	Salina	82 Mcf.	615	42	Sulphur water at 500 ft. Salt water at 1,805 ft.
28	11	W. Burbank L. Mather	100 ft. S. of centre line 850 ft. E. of W. road	1938	662	475	"	.....	.....	Dry	.....	61	Fresh water at 58 ft. Black water at 470 ft.
34	11	Perdu Bros. A. Lassaline No. 1	30 ft. S. of N. line 75 ft. E. of W. line	1940	666	443	"	.....	.....	Dry	.....	75	Fresh water at 72 ft. Salt water at 440 ft.
11	12	Union Gas Co. of Canada, Ltd., No. 106 O. H. Paul	50 ft. N. of S. road 75 ft. W. of E. road	1941	622	1,757	"	.....	.....	Dry	.....	30	Fresh water at 35 ft. Sulphur water at 526 ft.
19	12	Little Klondyke Gas Syndicate McClintock No. 1	1,500 ft. S. of N. line 100 ft. W. of E. road	1938	644	350	.....	319	Norfolk	.....	.....	35	Fresh water at 40 ft. Small producing oil well.

Wells in Dawn Township, Lambton County—Concluded

Lot	Con.	Designation	Location	Year drilled	Altitude in feet above sea-level	Depth in feet	Bedrock formation	Producing depth in feet	Producing formation	Yield Mcf. or bbls.	Pressure in lbs. sq. in.	Thickness of drift in feet	Remarks
25	12	Union Gas Co. of Canada, Ltd., No. 97 E. Hartwick	200 ft. N. of S. line 500 ft. E. of W. road	1938	660	1,896	Kettle Point	.....	.....	Dry	.....	45	Fresh water at 45 ft. Sulphur water at 430 ft. Salt water at 1,675 and 1,840 ft.
25	12	Union Gas Co. of Canada, Ltd., No. 121 G. H. Wright	480 ft. N. of S. line 1,710 ft. W. of E. line	1943	660	1,855	"	.....	.....	Dry	.....	45	Fresh water at 41 ft. Sulphur water at 530 ft. Salt water at 1,838 ft. Show of gas at 1,554 and 1,682 ft.
19	13	Fairbanks	SW. Corner	1914	640	2,059	"	.....	.....	Dry	.....	.....	Show of oil at 1,630 ft.
24	13	Union Gas Co. of Canada, Ltd., No. 27 Summers	350 ft. S. of N. line 1,800 ft. E. of W. line	1928	659	2,115	"	1,548-1,665	Salina	2,016 Mcf.	735	50	Fresh water at 48 ft. Salt water at 490, 570, and 1,785 ft.
24	13	Union Gas Co. of Canada, Ltd., No. 28 Summers	NW. Corner	1928	659	2,136	"	1,553-1,680	"	100 Mcf.	.....	45	Fresh water at 46 ft. Salt water at 460, 550, and 1,685 ft.
24	13	Union Gas Co. of Canada, Ltd., No. 41 Summers	250 ft. N. of S. line 1,660 ft. E. of W. line	1929	657	2,000	"	.....	.....	Dry	.....	45	Salt water at 450 ft. Show of oil at 1,730 ft.
25	13	Union Gas Co. of Canada, Ltd., No. 72 H. Mawlam	50 ft. S. of centre line 900 ft. W. of E. line	1934	660	1,987	"	.....	.....	Dry	.....	50	Black water at 405 ft. Salt water at 1,688 and 1,740 ft. Show of oil at 1,683 ft.
25	13	Union Gas Co. of Canada, Ltd., No. 118 G. H. Wright	1,540 ft. S. of N. road 1,040 ft. E. of W. road	1943	661	1,821	"	1,663-1,677	Salina	111 Mcf.	350	46	Sulphur water at 46 and 431 ft. Salt water at 1,815 ft.
30	13	Union Gas Co. of Canada, Ltd., No. 33 White	SW. Corner	1928	673	2,179	"	.....	.....	Dry	.....	25	Black water at 405 ft. Salt water at 500, 720, and 1,882 ft.
17	13	R. Newbury	470 ft. N. of S. line 2,250 ft. W. of E. road	1939	641	277	.....	.....	.....	Dry	.....	30	Fresh water at 30 ft. Salt water at 291 and 371 ft.
18	13	Little Klondyke Gas Syndicate H. McLennan	1,000 ft. S. of N. line 1,350 ft. E. of W. road	1938	630	327	.....	250-321	Norfolk	15 bbls.	.....	35	Water at 25 ft.

19	13	Little Klondyke Gas Syndicate	1,000 ft. N. of S. line..... 430 ft. E. of W. road	1938	634	326	.....	314–318	"	.....	.....	29	Fresh water at 35 ft. Small producing oil well.
23	14	Union Gas Co. of Canada, Ltd., No. 95 H. and T. Mawlam.....	45 ft. N. of S. line..... 775 ft. W. of E. line	1938	655	1,922	Kettle Point	.....	.....	Dry	.....	42	Sulphur water at 470 ft. Salt water at 1,675 ft.
24	14	Union Gas Co. of Canada, Ltd., No. 30 H. Mawlam.....	700 ft. S. of N. line..... 2,100 ft. E. of W. line	1929	630	2,133	"	.....	.....	Dry	.....	45	Salt water at 505 and 515 ft.
24	14	Union Gas Co. of Canada, Ltd., No. 24 H. Mawlam	NW. Corner.....	1928	658	2,118	"	1,658–1,665	Salina	106 Mcf.	815	55	Fresh water at 55 ft. Salt water at 538 and 1,810 ft. Show of oil at 1,810 ft.
29	3	Union Gas Co. of Canada, Ltd., No. 125 L. Bradley.....	50 ft. S. of N. line..... 75 ft. E. of centre line	1944	639	1,990	"	.....	.....	.....	.....	.....	
25	8	Union Gas Co. of Canada, Ltd., No. 128 S. Johnston.....	125 ft. N. of S. line..... 880 ft. E. of W. road.....	1944	660	1,901	"	.....	.....	.....	.....	.....	Producing gas well.
25	14	Union Gas Co. of Canada, Ltd., No. 124 L. R. White.....	400 ft. N. of S. line..... 180 ft. W. of centre line..	1943	660	1,689	"	.....	.....	Dry	.....	55	Fresh water at 55 ft. Sulphur water at 399 ft. Salt water at 1,678 ft. Show of oil at 1,678 ft.

Wells in Moore Township, Lambton County

16	1	Sarnia Gas and Oil Company... Haywood.....	50 ft. N. of S. road..... 950 ft .W. of E. road	1929	620	4,180	Kettle Point	.....	.....	Dry	.....	145	Water at 147 and 705 ft. Show gas at 3,490 ft. Show oil at 3,690 ft.
23	1	F. L. Patterson *et al*	1,550 ft. N. of S. line..... 290 ft. E. of W. line	1934	615	825	"	.....	.....	.....	.....	195	2 feet of sulphur at 800 ft.
23	1	E. Coste and Company, No. 5..	.....	1923	617	930	"	.....	.....	Dry	.....	195	Fresh water at 137 and 175 ft. Show gas at 145 and 245 ft.
24	1	.....	2,000 ft. N. of S. line..... 50 ft. W. of E. line	.....	615	620	"	.....	.....	.....	.....	150	Fresh water at 30 ft. Gas at base of drift.
6	3	McGregor.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10 wells; some oil.
5	7	J. C. Appleman.....	800 ft. N. of S. road..... 50 ft. E. of W. line	1927	628	562	.....	.....	.....	Dry	.....	113	
1	8	Fargharson farm.....	.....	1904	642	500	Hamilton	.....	.....	Dry	.....	123	
1–2	8	Postil, Farm Syndicate No. 1..	.....	1904	642	500	Kettle Point	.....	.....	Dry	.....	99	

Lot	Con.	Designation	Location	Year drilled	Altitude in feet above sea-level	Depth in feet	Bedrock formation	Producing depth in feet	Producing formation	Yield Mcf. or bbls.	Pressure in lbs. sq. in.	Thickness of drift in feet	Remarks
1-2	8	Postil, Farm Syndicate No. 3		1906	642	490	Kettle Point			Dry		103	Fresh water at 103 ft. Show gas and oil at 445 ft.
1-2	8	Postil, Farm Syndicate No. 4		1906	641	485	Hamilton					118	Water at 144 ft. Gas at 447 ft. Oil at 447 and 460 ft
4	8	Noble and Bryant No. 9 Smith Brothers No. 1		1904	644	470	"	404	Norfolk			125	Fresh water at 125 and 129 ft. Gas and oil at 404 ft.
4	8	Noble and Bryant No. 10 Smith Brothers No. 2		1905	644	430	Kettle Point	410	"			130	Gas and oil at 410 ft.
4	8	Noble and Bryant No. 12 James Bruton No. 1		1905	646	480	Hamilton	404 445	"			150	
4	8	Noble and Bryant No. 13 James Bruton No. 2		1905	645	485	"	400	"			145	
4	8	Noble and Bryant No. 14 James Bruton No. 3		1906	645	495	"	450	"			150	Fresh water at 150 ft. Gas at 450 ft. Oil at 455 ft.
4	8	Noble and Bryant No. 15 James Bruton No. 4		1906	645	491	"	420-460	"			145	Water at 70 and 300 ft. Gas and oil at 420 and 460 ft.
4	8	Noble and Bryant No. 16 Smith Brothers No. 3		1906	643	488	"	455	"			147	Gas and oil at 455 ft.
4	8	Noble and Bryant No. 17 Smith Brothers No. 4		1906	644	491	"	455 425	"			147	Gas at 425 ft. Oil at 455 ft.
4	8	Noble and Bryant No. 18 Smith Brothers No. 5		1906	644	490	"	425 400	"			145	Gas at 400 ft. Oil at 425 ft.
4	8	Noble and Bryant No. 19 Smith Brothers No. 6		1906	644	486	"	410	"			146	Gas at 410 ft.
5	8	Reece No. 1	West half of lot	1905	646	475	"			Dry		130	Fresh water at 135 ft.
5	8	Reece No. 2	West half of lot	1905	646	480	"			Dry		130	Fresh water at 135 ft.
5	8	Reece No. 3	West half of lot	1905	646	500	Kettle Point			Dry		122	Fresh water at 151 ft.

~~See also under~~ Ont Bur Mines 1898 p 18, 19

John Doran discovered Florence Field
Dawn Tp. lot 19 Con XIII S.W. 1/4
Drilled Oct 15th 1897
Total Depth 342 ft.
Salt water and Oil 2 bbls.

— — — —

2nd Well 300' S.E. of above
at 317 ft. 30 bbls oil to 166 l.
deepened to 356 feet
shot at 290 ft.
Settled prod. 10 bbls.

Eleven wells drilled here in 1897-98

	Coste #4		Union #25	
Lot	30		19	
Con	IX		I	
Elev	663	+31	626	
Top Big lime	348	+315	499	+127
Top Queenston	2210	-1547	2220	-1594
Top Trenton	2965	-2302	2913	-2287

Small Oil Field in Dawn Township.

A small oil field, situated at the west end of lot 19, con. XIII, Dawn tp., has produced considerable oil, but is now closed down. The structure appears to be a small dome, with a deep depression on the southeast.

The following typical log of the field was furnished by Dr. C. O. Fairbank, of Petrolia. First well drilled Oct. 15 1897 by John Doran.

	Thickness. Feet.	Depth. Feet.
Surface	22	22
Ipperwash limestone or "top rock"	6	28
Petrolia shale or "upper soap" including beds of limestone	172	200
Widder beds or "middle lime"	15	215
Olentangy shale or "lower soap"	21	236
Delaware and Onondaga penetrated	113	349

Oil rock between 318 and 325 feet.

A very insignificant accumulation of oil was discovered at the northeast corner of lot 30, con. XIII, Dawn tp. The structure here is moderately high, but as the dome rises only slightly above a terrace extending from the Oil Springs dome, the drainage area is very small. This field appears to be of no economic importance.

The top of the Delaware limestone here is about 308 feet below the surface.

Lower lime	120	386	
Dawn tp. (Ont. Bur. Mines, Vol. XIV, Part I, p. 114):			
Surface			
Clay	38	38	250 Oil
Hamilton			
"Streaked with lime"	20	58	
Soapstone	128	186	
Middle lime	20	206	
Soapstone	25	231	
Lime	4	235	
Soapstone	2	237	
Corniferous			
Lower lime	100	337	
Dawn tp., l. 32, con. X (Geol. Sur. Can., Vol. V, Part II, p. 66Q):			Salt water at 625
Surface	50	50	
Shale, black	70	120	
Limestone	70	190	
Shale and limestone	285	475	
Limestone	225	700	
Sombra tp., l. 12, con. VII (Geol. Sur. Can., Vol. V, Part II, p. 67Q):			
Clay 112 feet; black shale 100 feet.			

Well Records in Ontario—Co

Localities and formations	Township	Well	Lot	Con	Surf Elev	Total Depth	HURON Top	HURON Base	HURON Thick	HAMILTON Top	HAMILTON Base	HAMILTON Thick	DUNDEE Top	DUNDEE Base	DUNDEE Thick	DETROIT RIV. Top	DETROIT RIV. Base	DETROIT RIV. Thick	BASS ISLAND Top	BASS ISLAND Base	BASS ISLAND Thick	SALINA Top	SALINA Base	SALINA Thi
	Dawn	Rutherford	19	X	[illegible]	2015	+599	+576	[illegible]	+576	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

pth at
ich oil
r gas
curred

Lambton County—Continued

Sombra tp., l. 12, con. X (Geol. Sur. Can., Vol. V, Part
p. 67Q):
Clay 120 feet; black shales 20 feet; "soapsto
60 feet.

Corunna, Moore tp., l. 28, con. I (Geol. Sur. Can., Vol
Part II, p. 67Q):
Surface deposits
Clay .....
Shingle of black shale .....
Clay .....
Portage and Chemung
Shale, black .....
Sandstone, greenish .....
Shale, black, with pyrites .....
Hamilton
Grey shale and lime .....

Courtright (Geol. Sur. Can., Vol. V, Part II, p. 68Q):
Surface deposits
Sand .....
Hardpan .....
Portage
Shale, black .....
Hamilton
Limestone .....
Shale and limestone .....
Limestone, white .....
Corniferous
Limestone, grey .....
Onondaga, including lower part of Corniferous
Limestone, white hard .....
Sandstone or dolomite? .....
Limestone .....
Limestone and gypsum .....
Salt .....
Gypsum .....
Top of well 588 feet above tide.
Some gas was met with at the base of the sur
deposits.

Moore tp., l. 3, con. X (Ont. Bur. Mines, Vol. XIV, Pa
p. 112):
Surface ..... 5 to
Hamilton 0 Oil
"Top rock" (upper lime) ..... 0 Gas
Shale (upper soapstone) .....
Limestone (middle lime) .....
Shale (lower soapstone) .....
Limestone (lower lime) .....

Moore tp. (drilled by Fairbanks and Carman) (Ont.
Mines, Vol. XIV, Part I, p. 112):
Surface ..... 5 Oil
Hamilton 0 ,,
"Top rock" .....
Soapstone .....
Middle lime .....

LAMBTON COUNTY

Union Natural Gas Co., Ltd., Chatham, Ont. #6 Elev 646 ?

Lot 24, Con. V, Dawn Twp.

Log from samples - does not agree with Drillers log Published in 1923 - page 78.

Formation	Thickness Ft.	Depth Ft.
Surface	100	100
Huron (Black Shale)	220	320
Hamilton -		
Soap	110	430
Lime	10	440
Soap	90	530
Delaware, Onondaga Lime	145	675
Small amount Sylvania Sandstone		675
Lower Monroe	165	840
Salina (dol. lime & shale soft beds)	960	1800
Guelph Niagara dolomite	210	2010
Medina Queenston	190	2200

Total depth 2200

Dr. Fairbanks' Well

Lot 19, Con. XIII, Dawn Twp.

Elev 644 ?

Completed Aug. 29, 1914
F. H. Stover, driller Elev. 645

Formation	Thickness Ft.	Depth Ft.
Salt		1290
Bottom salt		1530
Trace of oil		1630
Salt water (enough to drill with)		1700
Bottom of lime		2044
Red shale	15	2059

Total depth 2059

42' - 10"
390 - 8¼"
950 - 6¼"

Imperial Oil Co give log of old well drilled by Union Gas Co 2 miles North of Rutherford lot 24 Con VII as under

Elev 656 4

No salt
Gas at 1580
Depth 1594'
Deepened to 1750
~~This should be~~ This is No.1. drilled in Aug. 1914

DAWN TWP

UNION GAS CO

DIAMOND DRILL TESTS

No	lot	Con	DISTANCE N or S	E or W	Elev Dundee
70	19	I	1071 N	762 W	+ 144

Dr Fairbank
Notebook

DAWN
Florence Field lots 17 to 20 con XI XII XIII XIV

Mawlin No 1.

Surface	28	
Rock	8	36
Soap to	174	210
L Lime	65	275

Show first noted at 265

Dr Fairbank notes

FLORENCE FIELD
DAWN TWP

Dec 1897

Doran — Wm Gross farm — XII — 25 bbls

Capt Parsons — Zimmerman #1 — drilling

Smith farm 1000' N of McLellan Doran #2 — #2-100 bbls 25 bbls at 400 ft TD — pay at 383 — 26' of pay

Thos & Rodgers — Sinclair in ravine (N.W. of McLennan) — 15 bbls

Capt Parsons — Wm Simmons — dry, one good well

Landon & McDonald — Paul #5 Lockhart Lindon & Co #4 Paul — 36' pay 2 bbls — 2 producing — Quin Zimmer driller

Frank Hicks — 18 XI — 5 bbls

Thomas — Norman McLellan XII 17 XIII — 26 XIII (prob XIII?) — #3 drilling — Top show oil big flows 100 bbls small well

John Gelm — Scurrah — 18 XIII — Gillan & Co contract 2 holes

Stewart — 19 XI — drilling

WW Bobier — 18 XIV

Doran — Dr Fair — Norman McLennan one mile west of Florence Doran #4 — 19 XII — 50 bbls @ 250 ft — 25 bbls — 2 good wells

Mawlam — Mawlam 400 acres — #1 26 bbls — #3 L Lime 210 TD 328

Doran & Martin — Cook (N of Mawlam) — 10 bbls

Martin & Doran — John Gelm — Walker — XIII — #2 1 bbl well

Dr F — Robt Curray — 18 XV — 25 bbls TD 350' — 15' in pay

Thomas — Coutts farm (next McLellan) — 6 wells prod 50 bbls

J Smith for Byron & Co — Law — IX

Noble Bros — Murphy — drilling

Noble — Tripp — dry

Parsons — Trotter — shot has show

Parsons — Bilton — drilling

Thomas & Jos Rodger — Johnson — L Lime 265

Minhinnick — BJ Carter — Hill — drilling — XI

Martin & Chandler — XIII

Ramsey Whipple — Childs — XII

McAlpine Farm
lot 30 Con XI

Surface	60	
Shale	8	68
Soap	302	370

Show oil 400'
another well one mile west about same log

Mawlan 400 ac

Surface	80
Shale	255
Lower lime over	500
Sand rock	603
Salt at	1150

Farmers Synd Well
lot 15 Con VIII Oct 97

Surface	30	
Black shale	115	145
Top rock	40	185
Soap	135	320
Middle lime	15	335
Lower soap	35	370
Big Lime		

Small water 400'

Dec 3rd 97 13 prod 2 day

Oct 5 97 Can only ship 20 bbls/day now to Oil Springs

Dec 31st 97 Farmers Synd good show on ~~Con IX~~ lot 15 Con VIII
Chas Parson struck another well on his property
Dr Fairbank 18 wells on Con XII 2 last on McLellan 3 bbls

Dawn Oil Co Thomas & Jos Rodgers

Geo Morrison (Dante?) almost a flowing well

Prof Drenan prospecting in South Dawn

1898 Company	Farm	lot Con	Prod	Depth Total	Depth Pay	Salt Water	
Vulcan Oil Co (Coste)	Woods		25 bbls				
	Gadsby	near Hutt's corners				to finish May 20th 98	
do	Connybear	X line	7 bbl 25 bbl well				
		IX					
Senator Bradley	Dalton	X					
Vulcan Oil Co	Lawrence Bros				struck oil		
	Ed Brown						
March 1899	Wm Nesbitt					575	575
March 1905	A French	E Wicks. IV.			show	black	
		IVI			450	588	drilling
							drilling at 400 ft

Log No. 23.—Information by Robert Cherry, Collingwood

Lot	Concession	Township	County
27	VIII	Collingwood	Grey

Oil well: Small

Completed April 5, 1922.

Log No. 32; Information by Union Exploration Co., Chatham.

NE

Lot.	Concession.	Township.	County.
24	5	Dawn No. 3.	Lambton.

Elev. 653.

Open flow: 177,400 cu. ft.
Rock pressure: ~~775~~ 825 lbs.

90'- 12½"
495' 10"
1160' 8¼
2121 6⅝
1811 3"

Completed November, 1921.

Formation.	Thickness of Formation.	Total Depth.
Surface	95 Feet	95 Feet
Black Shale	185 "	280 "
Soap and Lime	209 "	489 "
Grey Lime	66 "	505 "
Soap	15 "	520 "
Grey Lime, light grey cherty lime 950 to 1060	~~126~~ 146 "	~~615~~ 1166
Niagara Lime	535 154	~~2,150~~ 1320
Blue Lime	295	1615
Sand & Salt	135	1750
Grey lime Total Depth	2,150 feet.	2150

Gas at 1,615 and 1,7~~35~~ feet. Show oil 1766
Water at 610 feet and 1830
Water at 1830 plugged back to 1820

F Coste
Top of Guelph
blue grey carb 6
1565
10' salina
back to guelph
1898

50

ODM
Elev 656

Log No. 24.—Information by Union Exploration Company, Chatham

Elev. 654

SE

Lot	Concession	Township	County
26	VI	Dawn # 2	Lambton

656 Coke

Open flow: very light.

Completed March 22, 1922.

Copy of Note from Exam. of Samples. by ?? (F. Coste)

	Formation	From	To	Thickness of Formation	Total Depth (feet)
	Surface			98 feet	98
	Black shale			12 "	110
	Grey lime			75 "	185
	Black shale			65 "	250
	Soap	Hamilton	300 - 485	187 "	437
	Grey lime	Delaware & Onondaga	425 - 570	143 "	580
	Sharp sand	Oriskany (Sylvania (white round grit)	570	40 "	620
	Dark grey lime	Lower Monroe	570 - 665	95 "	715
	Brown lime	Salina (lime shale salt gypsum)	665 - 1870	205 "	920
	White lime	(Salt 1500 to 1570)		150 "	1,070
	Niagara lime	Sylvania? (round quartz grains & lime 710 - 820)		110 "	1,180
	Grey lime	(lime between 1870 & 1890 - 70% soluble in HCl.)		270 "	1,450
	Salt and lime shells	Guelph Niagara Rochester &c	1870 - 2170	140 "	1,590
	Brown lime	Medina - Queenston	2170 - 2500	50 "	1,640
	Blue lime	(red & green shale)		40 "	1,680
	Black lime	Cincinnation (Hudson Riv) grey shale	2500 - 2830	86 "	1,766
	Sharp crystalline dolomite	Utica black & brown shale	2810 - 2929 2920	49 "	1,815
	Grey and blue lime shells	Trenton & lowerlime	2920 - 3260	375 "	2,190
Queenston	Red shale	Is a sh. - 70 to 90% soluble in HCl		310 "	2,500
Lorraine	Green and purple shale	round quartz grains 3240 - 3500		380 "	2,880
Utica	Black shale	Basal Arkose	3260 - 3300	42 "	2,922
	Trenton	Granite	3300 - 3289	948 "	3,870
	Sharp sand			15 "	3,885
	Brown lime			83½ "	3,968½
	Granite				

Total depth ..... 3,968½ feet

Trace of oil at 570 feet.

LOG NO. 21.—INFORMATION BY GEO. WILLIAMS, DELHI

Lot	Concession	Township	County
12	III	Charlotteville	Norfolk

Open flow: 60,000 cu. ft.
Rock pressure: 350 lbs.

Completed Dec. 11, 1922.

Formation	Thickness of Formation	Total Depth (feet)
Surface	97 feet	
Lime	133 "	230
Flint	40 "	270
Sand	70 "	340
Lime	60 "	400
Lime and shale	80 "	480
Brown lime	100 "	580
Hard lime	170 "	570
Niagara	270 "	1,020
Shale	20 "	1,040
Clinton sand	30 "	1,070
Red Medina	5 "	1,075
Shale	37 "	1,112
Total depth	1,112 feet	

Gas at 1,052 and 1,062 feet.

LOG NO. 22.—INFORMATION BY H. P. BOSTAPH, CHATHAM

Lot	Concession	Township	County
18	II	Colchester South	Essex

Formation	Thickness of Formation	Total Depth (feet)
Surface	72 feet	
Sharp lime and flint	253 "	325
Brown lime	170 "	495
First gypsum bed	5 "	500
Gypsum and lime	160 "	660
Brown lime	140 "	800
Broken lime shells	85 "	885
Brown lime	150 "	1,035
Gray lime	55 "	1,090
Brown lime	208 "	1,298
White lime	77 "	1,375
Shale brake	7 "	1,382
Lime shell	8 "	1,390
Light shale and shells	10 "	1,400
Red shale	25 "	1,425
Blue shale	45 "	1,470
Lime shells and shale	30 "	1,500
White Medina lime and sand	52 "	1,552
Pink sand	103 "	1,655
Light blue shale	395 "	2,050
Brown shale	50 "	2,100
Black shale	150 "	2,250
Trenton limestone	not penetrated	
Total depth	2,250 feet	

Log No. 94.—Information by Union Exploration Co., Chatham

Alfred Medd

Lot	Concession	Township	County
C 23	IV	Dawn No. 4	Lambton

Open flow: 345,597 cu. ft. Completed May 29, 1922.
Rock pressure: 700 lbs. Little native sulphur Elev 640

Formation	Thickness of formation
Surface	60 feet
Lime and slate shells	100 " 160
Black shale and lime	170 " 330
Soap	155 " 485
Lime shell and slate	105 " 600
Grey lime ... Lim. gyp. sulfur ... Lim. & chert 930 to 1150	560 " 1160
Niagara ... ~~F Coste~~	290 "
Shells and slate	100 "
Gas sand	74 "
Grey lime	64 "

Plugged back to 1660 to shut off ~~water~~

Total depth ... (well did not go to Guelph F Coste) ~~1,678~~ 1660 feet

Gas at 1,614 and 1,639 feet.

Log No. 95.—Information by Union Exploration Co., Chatham

Henry O'Neil

Lot	Concession	Township	County
SE 20	VII	Dawn No. 5	Lambton

Dry Hole Elev. 647.8 Completed August 4, 1922.

Dry Hole

Formation	Thickness of formation
Surface	69 feet
Soap and black shale	101 " 170
Soap	180 " 350
Soap and grey lime shells	130 " 480
Lime ... grey brown lime & some chert	425 " 905
Hard close lime	264 " 1169
Niagara lime	211 " 1380 } salt
Salt	180 " 1560 } salt
Hard brown lime	430 " 1990
Slate	30 " 2020
Blue lime	10 " 2030
Blue slate	130 " 2160

Total depth ... 2,160 feet

(F Coste Blue Grey crypt lime 1870 to 1830 Salina 40' Guelph 1870 to 1880 - Salina 1880 - 1900 Guelph 1900 to 2020.
Coste reports another fault below this - goes thru Clinton twice

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Log No. 96.—Information by Union Exploration Co., Chatham

Same as Union Nat Gas Co #6 & This is Drillers Log.

Lot	Concession	Township	County
NW 24	V	Dawn No. 6	Lambton

Roy Nurse

Open flow: 105,000 cu. ft. Elev 646.7 Completed August 5, 1922.
Rock pressure: 935 lbs.

Formation	Thickness of formation
Surface	80 feet
Black shale	160 " 240
Lime shells and slate	90 " 330
Soap	345 " 675
Grey lime ... Grey brown cherty lime 940 to 1010	475 " 1150
Niagara lime ... do 1090 to 1150	600 " 1750
Salt	15 " 1765
Brown lime	255 " 2020
Blue slate and red shale	175 " 2195

F. Coste Guelph at 1930 blue grey crypt lime

Total depth ... 2,195 feet

Gas at 1,905 feet.

LOG NO. 91.—INFORMATION BY SOUTHERN ONTARIO GAS CO., MERLIN

Lot	Concession	Township	County
10	XII	Tilbury East	Kent

Open flow: 130,000 cu ft.
Rock pressure: 350 lbs.

Completed February 21, 1923.

Formation	Thickness of formation
Drift clay	155 feet
Soap	84 "
Grey lime	276 "
Sharp sand	205 "
Grey lime	50 "
Water sand	30 "
White lime	140 "
Grey lime	175 "
White lime	60 "
Brown lime	84 "
Grey lime	108 "
Total depth	1,367 feet

Gas at 1,257, 1,320, and 1,357 feet.

LOG NO. 92.—INFORMATION BY SOUTHERN ONTARIO GAS CO., BRANTFORD

Lot	Concession	Township	County
10	XII	Tilbury East	Kent

Open flow: 138,000 cu. ft.
Rock pressure: 345 lbs.

Completed May 1, 1923.

Formation	Thickness of formation
Drift clay	156 feet
Soap	85 "
Grey lime	269 "
Sharp sand	200 "
Grey lime	536 "
Brown lime	55 "
Grey lime	63 "
Light grey lime	4 "
Total depth	1,369 feet

Gas at 1,245, 1,300, and 1,360 feet.

LOG NO. 93.—INFORMATION BY SOUTHERN ONTARIO GAS CO., MERLIN

Lot	Concession	Township	County
10	XII	Tilbury East	Kent

Open flow: 145,000 cu. ft.
Rock pressure: 410 lbs.

Completed June 15, 1923.

Formation	Thickness of formation
Surface	161 feet
Soap stone	19 "
Shell and lime	62 "
Grey lime	48 "
White lime	220 "
Sharp sand	215 "
Grey lime	255 "
Light grey lime	190 "
Grey lime	197 "
Total depth	1,367 feet

Gas at 1,245, 1,320, and 1,345 feet.

Log No. 97.—Information by Union Exploration Co., Chatham

Solon Johnston

Lot	Concession	Township	County
SE cor. 25? is it 24	VIII	Dawn No. 7	Lambton

Open flow: 105,000 cu. ft.
Rock pressure: 935 lbs.

Elev. 662.3

Completed October 7, 1922.

Formation	Thickness of formation	
Surface	71 feet	
Black shale	119 "	190
Soap	260 "	450
Grey lime	420 "	870
Hard brown lime	299 "	1169
Niagara lime	526 "	1695
Salt and lime shells	18 "	1713
Brown lime	125 "	1838
Sharp sand	5 "	1843
Brown lime	162 "	2005
Slate, shells and red rock	195 "	2200
Total depth	2,200 feet	

Gray brown crypt lime & chert 900 to 990

Ingall gives top of Red Medina as 2020

487
1713

Gas at 1,905 feet.

Log No. 98.—Information by Union Exploration Co., Chatham

John McLachlin

Lot	Concession	Township	County
NE 24	II	Dawn No. 8	Lambton

Dry hole.

Elev 630.2

Completed November 17, 1922.

Formation	Thickness of formation	
Surface	75 feet	
Black shale	215 "	290
Soap	200 "	490
Lime	690 "	1180
Niagara lime	195 "	1375
Brown lime	57 "	1432
Gas sand	8 "	1440
Brown lime	48 "	1488
Salt	112 "	1600
Brown lime	342 "	1942
Oil sand	6 "	1948
Brown lime	72 "	2020
Blue lime	80 "	2100
Blue lime, shells and shale	85 "	2185
Total depth	2,185 feet	

Ingall gives top Red Medina 2070

586
1600

Slight show of oil at 1,942 feet.

Log No. 99.—Information by Union Exploration Co., Chatham

W.G. McGuire

Lot	Concession	Township	County
24	VII	Dawn No. 9	Lambton

Dry hole.

Elev 655.6

Completed November 4, 1922.

Formation	Thickness of formation	
Surface	68 feet	
Black shale	52 "	120
Lime	90 "	
Soap	125 "	
Soap and lime shells	90 "	
Grey lime	40 "	
Brown lime	40 "	
Sharp sand	85 "	
Brown lime	340 "	
Sharp sand	180 "	
Brown lime	60 "	
Niagara lime	440 "	
Brown lime	65 "	
Light brown lime	385 "	
Big red and blue slate	140 "	
Total depth	2,200 feet	

Centre of North side of S.E. ¼.

Log No. 100.—Information by Union Exploration Co., Chatham

Lot	Concession	Township	County
24	III	Dawn No. 10	Lambton

Dry hole. Completed June 23, 1923.

Formation	Thickness of formation	
Surface	74	feet
Lime shells and shale	246	" 320
Lime shells and soap	190	" 510
Lime	1,050	" 1560
Salt	40	" 1600
Lime	380	"
Total depth	1,980	feet

Slight show of gas and oil at 1,940 feet. Small salt water 660
Hole full " " 875

Log No. 101.—Information by E. Coste & Co., Chatham

Lot	Concession	Township	County
30	IX	Dawn # 4 (E. Coste)	Lambton

Dry hole. Completed October 24, 1923.

See over leaf for detail

Formation		Thickness of formation	
Surface		60	feet
Portage	130	70	"
Hamilton	348	218	"
Corniferous	560	212	"
Salina	1920	1,360	"
Guelph, Niagara and Clinton	2062	142	"
Red Medina	2110	48	"
Manitoulin dolomite	2500	390	"
Hudson River	2850	350	"
Utica	2965	115	"
Trenton (Top of Trenton 2965)	3890	925	"
Arkose	3913	23	"
Total depth		3,913	feet

Gas at 1,933 feet.

Log No. 102.—Information by Senator Michener, Toronto

Lot	Concession	Township	County
19	III	Euphemia	Lambton

Dry hole. Completed November 14, 1923.

Formation	Thickness of formation	
Sand and gravel	35	feet
Clay	19	"
Shale and soapstone	60	"
Soapstone	141	"
Limestone	10	"
Soapstone	38	"
Limestone	107	"
Salt water sand	25	"
Sand and limestone	19	"
Total depth	454	feet

LOG No. 55.—DOMINION NATURAL GAS CO., BUFFALO, N.Y.
Lot 12, con. VIII, Walpole tp.

Completed October 16, 1926.
Open flow: 25,000 cu. ft.
Rock pressure: 385 lbs.

Formation	Thickness, ft.
Surface	11
Flint	71
Lime and shale	373
Niagara	322
Shale	23
Clinton	27
Red Medina	25
Shale	40
White Medina	17
Red shale	2
Total depth	911

Gas at 818 feet.

LOG No. 56.—DOMINION NATURAL GAS CO., BUFFALO, N.Y.
Lot 13 NW.¼, con. VIII, Walpole tp.

Completed August 20, 1926.
Dry hole.

Formation	Thickness, ft.
Surface	12
Flint	66
Lime and shale	378
Niagara	295
Shale	25
Clinton	28
Red Medina	30
Shale	60
White Medina	12
Red shale	3
Total depth	909

~~Kent County~~

LOG No. 57.—UNION NATURAL GAS CO., CHATHAM
Lot 24, con. IX, Dawn tp. #13

Completed December 13, 1926. Turrill Farm.
Open flow: 1,500,000 cu. ft.

Formation	Thickness, ft.
Surface	63
Shale	92
Soap	5
Shale	105
Soap	125
Lime shells	20
Soap	45
Big brown lime	495
Sharp sand	100
Brown lime	160
Blue lime	70
Brown lime	297
Total depth	1,577

Gas at 1,562 to 1,572 feet. 1,500 Mcu.ft.
Fresh water 60' Salt water 647'

LOG No. 58.—UNION NATURAL GAS CO., CHATHAM
N.W. cor. Lot 26, con. V, Dawn tp. #12

Completed September 10, 1926. McDonald Farm
Dry hole.

Formation	Thickness, ft.
Clay	64
Black shale	111
Soap and lime shells	225
Grey lime	150
Light brown lime	485
Dark brown lime	145
Formation—*Continued*	
Lime with gypsum	55
Dark brown lime	75
Blue shale	40
Light brown lime	55
Salt	200
Brown lime 150' Salt 45' Brown lime 5	=200
Light lime	5
Hard dark brown lime	50
Brown lime	20
Shaly lime	25
Grey lime	43
Brown lime	102
Grey shale	35
Shaly lime	10
Brown shale	5
Lime	15
Red and brown shale	50
Shaly lime	10
Grey lime	40
Grey shale	15
Red shale	6
Total depth	2236

Show Gas at 1,655 feet. Salt water. 530 small
Oil scum 1948 650 large
2035 very small

LOG No. 59.—UNION NATURAL GAS CO., CHATHAM
N.W. cor. Lot 22, con. VIII, Dawn tp. #11

Completed July 23, 1926. Geo McGuire farm.
Dry hole.

Formation	Thickness, ft.
Surface	58
Lime shells and soap	327
Big lime	335
Sharp sand and lime	300
Hard grey lime	140
Grey lime with gypsum	35
Blue lime	100
Brown lime with hard shells	200
Light brown lime	50
Salt Sandy 1755 to 1770	155
Brown lime Salt 1820 to 1845	225
Black shale	25
Sandy brown lime	20
Blue lime and gypsum	15
Light brown lime	15
Light brown lime and shale	5
Light brown lime	20
Blue lime	70
Grey shale and shells	40
Grey shale	5
Red shale	15
Blue shale	7
Lime	3
Grey shale and lime shells	70
Grey lime	35
Shaly lime	5
Red shale	2
Total depth	2,277

Fresh water 58' heavy How
Salt water 515 small. 550 heavy. 1740 small.

LOG No. 60.—UNION NATURAL GAS CO., CHATHAM
Lot 2, con. III, Dover W. tp.

Completed May 17, 1926.

Formation	Thickness, ft.
Clay and gravel	80
Soap and shells	175
Big lime	1,668
Gypsum	958
Green shale	20
Lime shell	8
Red shale	102
Grey lime	55
Red and blue shales	222
Blue lime	50
Blue shale	331
Brown shale	85
Trenton	249
Total depth	4,003

Gas at 2,803, 2,806, and 2,860 feet.

Log No. 61.—Southern Ontario Gas Co., Buffalo, N.Y.
Lot 193, con. I, Romney tp.

Completed December 7, 1926.
Open flow: 97,000 cu. ft.
Rock pressure: 460 lbs.

Formation	Thickness, ft.
Surface	170
Quick sand	32
Soap	52
Dark grey lime	76
Light grey lime	180
Sharp sand	100
Water sand	160
Brown lime	275
Light grey lime	155
Dark grey lime	165
Total depth	1,365

Gas at 1,220, 1,330, and 1,346 feet.

Log No. 62.—Southern Ontario Gas Co., Buffalo, N.Y.
Lot 192, con. I, Romney tp.

Completed July 27, 1926.
Open flow: 271,000 cu. ft.
Rock pressure: 460 lbs.

Formation	Thickness, ft.
Surface	176
Gravel and shale	15
Soap stone	37
Grey lime	132
Brown lime	240
Water sand	170
Brown lime	70
Grey lime	535
Total depth	1,375

Gas at 1,235, 1,275, and 1,353 feet.

Log No. 63.—Southern Ontario Gas Co., Buffalo, N.Y.
Lot 193, S.T.R., Romney tp.

Completed October 5, 1926.
Open flow: 313,000 cu. ft.
Rock pressure: 460 lbs.

Formation	Thickness, ft.
Drift clay	185
Gravel	5
Soap stone	42
Brown lime	228
Grey lime	150
Sharp sand	20
Water sand	145
Grey lime	580
Total depth	1,355

Gas at 175, 1,220, 1,254, and 1,335 feet.

Log No. 64.—Southern Ontario Gas Co., Buffalo, N.Y.
Lot 194, S.T.R., Romney tp.

Completed November 12, 1926.
Open flow: 382,000 cu. ft.
Rock pressure: 460 lbs.

Formation	Thickness, ft.
Drift clay	170
Gravel	25
Soap stone	45
Light grey lime	300
Sharp sand	90
Light grey lime	155
Grey lime	566
Total depth	1,351

Gas at 1,216, 1,253, 1,323, and 1,336 feet.

Log No. 65.—Southern Ontario Gas Co., Brantford
Con. II, Gore A, Romney tp.

Completed June 2, 1926.
Open flow: 42,000 cu. ft.
Rock pressure: 250 lbs.

Formation	Thickness, ft.
Surface	134
Grey lime	176
Dark lime	90
Sharp sand	200
Water sand	50
Brown lime	55
Grey lime	70
Brown lime	25
Grey lime	120
Grey and brown lime	70
Grey lime	388
Total depth	1,378

Gas at 1,205, 1,345, and 1,365 feet.
Surface gas at 175 feet.

Log No. 66.—Southern Ontario Gas Co., Brantford
Lot 2, con. XV, Tilbury E. tp.

Completed July 10, 1926.
Open flow: 215,000 cu. ft.
Rock pressure: 235 lbs.

Formation	Thickness, ft.
Drift clay	150
Brown shale	23
Soapstone	142
Light grey lime	225
Dark grey lime	60
Sharp sand	120
Water sand	80
Dark grey lime	260
Blue lime	120
Light grey lime	182
Total depth	1,262

Gas at 1,254, 1,310, and 1,345 feet.

Log No. 67.—Union Natural Gas Co., Chatham
Lot 175, T.R., Tilbury E. tp.

Completed October 29, 1926.

Formation	Thickness, ft.
Surface	175
Lime shell	5
Soap	73
Light brown lime	787
Sharp sand	560
Dark brown lime	195
Light brown lime	145
Total depth	1,940

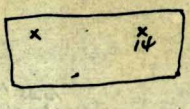
Gas at 1,235, 1,335, and 1,375 feet.

Lambton County

Log No. 68.—Senator Michener, Toronto
Lot 1 W.½, con. X, Brook tp.

Completed April 3, 1926.

Formation	Thickness, ft.
Surface	56
Shale	90
Top rock	50
Top soap	120
Middle lime	30
Lower soap	55
Lower lime	107
Total depth	508



Dawn Tp. lot 24 Con 9. No 14 well
Union Nat Gas Co. Turrill Farm
May 5th 1927. Kiser Bros Driller

	Elev.
Surface	52 - 52
Black shale	133 - 185
Lime	60 - 245
Soap & lime Onondaga.	197 - 442
Grey lime	248 - 690
Brown lime	180 - 870
Grey lime	55 - 925
Sharp sand	115 - 1040
Brown lime	115 - 1155
Grey lime	45 - 1200
Grey shale	90 - 1290
Brown lime	145 - 1435
Grey lime & gypsum	15 - 1450
Brown lime	5 - 1455
Blue shale & shells	45 - 1500
Brown lime	55 - 1555
Grey lime & shale	13 - 1568
Brown lime	12 - 1580

Gas - 1550 - 1555 = 650 M.cu.ft. R.P. 650#
Water - Fresh 55' Salt - holefull at ?

Union Nat. Gas Co. #18. T. Mackie.
Centre North side
Dawn Tp. lot 24. Con VIII. Elev.
Sept. 12th 1927 Kiser Bros Drillers

Surface	59 - 59
Soap & lime shells Onondaga	348 - 407
Grey lime	128 - 535
Brown lime	85 - 620
Grey & brown lime	485 - 1105
Dark grey lime	55 - 1160
Grey & blue lime	75 - 1235
Blue lime	105 - 1340
Brown lime	30 - 1370
Grey lime	15 - 1385
Brown "	85 - 1470
Blue "	30 1500
Grey "	30 1530
Brown & Grey lime	10 1540
Brown lime & shale	10 1550
Brown lime	25 1575
Grey & black lime	15 1590
Brown lime	20 1610

Gas at
1560 - 1565 - 800 M.cu.ft.
1594 - 1599 - 365 M.cu.ft.
1165 M.cu.ft.
R.P. 600#

Water at
Fresh - 60' small
Black 540 "
Salt 1010 bq.

Dawn Tp. lot 24 Con X #17 Butler.
Union Nat. Gas Co. Kiser Driller
July 31st 1927 Elev.

Surface Dry hole	74 - 74
Shale	66 - 140
Soap lime & shale	232 - 372
Grey lime (Onondaga) (S'gyp at 725)	178 - 550
Dark brown lime	175 - 825
Sharp grey lime	175 - 1000
Grey & brown lime	115 - 1115
Grey shale	10 1125
Blue lime	10 1135
Brown & grey lime	35 1170
Shale & lime shells	85 1255
Blue grey & brown lime	65 1320
Blue lime & shale	10 1330
Hard dark grey lime	90 1420
Grey lime & shale	90 1510
Salt and S' shale at 1570	85 1595
Brown & grey lime	90 1685
Hard black lime	25 1710
Grey lime	35 1745
Lime & salt (5' layers)	20 1765
Brown & grey lime	60 1825
Hard black lime	50 1875
Grey lime & gypsum	20 1895
Grey & brown lime	113 2008
Grey shale	47 2055
Grey lime	6 2061
Grey shale	38 2099
Red shale	1 2100
Grey "	20 2120
Grey lime	75 2195
Big red shale	12 2207

Black water 505
Show of oil. 550, 1603 and 1765

Centre N. side
Down Tp. lot. 24 Con VII #19 Mackie
Union Gas Co. Kiser Driller
Nov. 24th 1927 Elev.

Surface	61 - 61
Black shale	129 - 190
Lime	10 - 200
Soap & lime	285 - 485
Onondaga grey & brown lime	205 - 690
Grey lime & gypsum	10 700
grey & brown lime	180 880
Sharp sand & brown lime	145 1025
grey and brown lime	200 1225
Blue lime & shale	5 1230
grey & brown lime	35 1265
Brown lime & gypsum	5 1270
Black lime	5 1275
Grey shale & lime shells	90 1365
Grey and brown lime	130 1495
Grey shale & lime shells	85 1580
Grey and brown lime	20 1600
Dark brown coarse lime	25 1625
Grey lime & muddy shale	4 1629
Light brown lime	13 1642

Gas at 1592 ft 100 M
" " 1597 - 200
" " 1608 - 340
" " 1613 - 475
" " 1619 - 528
" " 1622 - 1,053 M
Open Flow - 925 M.
R.P. 600#

Fresh water 60'
Black " small 530'
Salt water 630'

25' from North
300' from West

Dawn Tp. lot 23 Con 5 #20 Wicks

Union Nat. Gas. Co. Kiser Driller

Dec. 29th 1927 Dry Hole. Elev.

Surface		66 - 66
Huron Black shale	151	217
Shale & lime	88	305
Soap	155	460
Lime	19	478
Soap	25	503
Onondaga grey & brown lime	662	-1165
Blue & brown lime	125	-1291
Shale & lime	113	-1404
Brown lime	51	-1455
Shale	5	1460
Brown & grey lime	17	1477
Shale	8	-1485
Brown lime	45	-1530
Shale & lime	99	-1629
~~Black~~ lime brown	221	-1850
Black lime	29	-1879
Hard grey lime	127	2006
Shale	48	-2054
Brown lime	8	-2062
Red & blue shale	78	-2140
Grey gritty lime	50	-2190
Lime & shale	15	-2205
Grey & red shale	12	2217

Salt water at 665 - small
" " " 710 - holefull
1640 - V. small
1670 - 1 bailer/hour

~~1000' from W. line~~ 325' from North

Dawn Tp. lot 24 Con X. #15 Pelkey

Union Gas Co. Kiser Driller

June 21st 1927 Elev.

Open Flow 306 M. Rock Press. 710

Surface		52 - 52
Huron	Shale & soap	53 -105
Hamilton	Lime shell	55 -160
Hamilton	Soap & lime	285 -445
Onondaga	Brown lime	455 - 900
	Brown & grey lime	80 - 980
	Grey lime	135 - 1115
	Brown "	115 - 1230
	Blue "	50 - 1280
	Brown "	205 - 1485
	Blue "	53 - 1538
	Salt & shale	19 - 1557
	Brown lime	146 - 1703
	Grey lime & salt	12 - 1715
	Brown lime	170 - 1885
	Blue lime	125 - 2010
	Pink & grey shale	10 - 2020
	Grey shaly lime	50 - 2070
	Red shale	11 - 2081
	Blue "	5 - 2086
Manitoulin	Grey lime	94 - 2180
Queenston	Red shale	20 - 2180

Plugged back to 1760

Gas at 1658, small. 1719 to 1727.
Fresh water 52'. Hole full
Black " 555 - 3 barrels/hr.
Salt " 575 raises 300 ft

1635' from North
1090' - East

Dawn Tp. lot 24 Con IX #16 Turrill

Union Gas Co. Dry Hole Kiser Driller

Aug. 19th 1927 Elev.

Surface	55 - 55
Black shaly lime	91 - 146
Soap	34 - 180
Black lime	20 - 200
Soap	155 - 355
Lime	15 - 370
Soap & broken lime	45 - 415
Lime	840 - 1255
Dark brown lime	15 - 1270
Grey lime	130 - 1400
Brown lime	130 - 1530
Grey lime	60 - 1590
Brown & grey lime	125 - 1715
Black lime	40 - 1755
Grey & brown lime	170 - 1925
White lime	75 - 2000
Grey "	40 - 2040
Brown "	10 - 2050
Grey & pink shale	50 - 2100
Grey lime	70 - 2170
Red shale	5 - 2175

Fresh water 53' small Dry Hole
Salt " 420 - 150'
" " 575. Holefull
" - 1270 "
" " 1295 small

UNION GAS CO. Kiser Driller
450' from North 600' from East.
Dawn Tp. lot. 19 Con I #25 Childs Farm
O.F. 25 M
Dec. 13th 1928. R.P. 705# Elev.

Surface.	60	
Black Shale	205	
Hamilton Shale & lime	234	499
Onondaga. Light grey & brown lime	161	660
Grey & brown lime & gypsum	65	715
Grey & brown lime	200	915
Hard sharp gr. & br. lime	240	1155
Hard brown & grey lime	95	1250
Dark grey lime & shale	10	1260
Hard dark grey lime	30	1290
Dark gr. lime shells, shale & gypsum	130	1420
Dark grey & brown lime	120	1540
Dark grey shale & lime shells	110	1650
Dark brown gr. lime	15	1665
Hard black lime	5	1670
Hard dark grey lime	50	1720
Hard black lime	15	1735
Hard dark grey lime	140	1875
Grey lime & shale	10	1885
Dark brown lime	40	1925
Grey lime (light grey)	103	2028
Rochester grey shale	45	2073
Clinton " lime	4	2077
Cabot Head pink shale	13	2090
grey "	70	2160
Manitoulin Hard dark gr. lime	60	2220
Queenston red, grey & green shale	140	2370
Lorraine grey shale	455	2825
Utica grey & brown shale	88	2913
Trenton	935	3848
Arkose (a "Potsdam" sand)	8	3856
Granite	3	3859

Plugged back to 1670'

Salt water at 610 - 6 gals/hr small
" " " 635 - to drill
" " 1695 - small

Gas at 1654 - 25 M
" " 1690 - show.

358' from N line
240' West of Centre line

Dawn Tp. lot 24 Con. VI. #21. Turrill.
Union Gas Co. 218' from N 510' " E Kiser Bros.
April 12th 1928. Elev.

Surface			78	78
Huron	Black shale		122	200
"	Hard Black lime		10	210
Hamilton	Hard grey lime		45 - 255	
Hamilton	shale & lime		219 - 474	
Onondaga	Grey & brown lime		210 - 684	
	Grey lime & gypsum		10 - 694	
	Grey & brown lime		141 - 835	
	Sharp grey & br. lime		15 - 850	
	Grey & brown lime		135 - 985	
	Sharp grey & brown lime		135 - 1120	
	Brown & grey lime		125 - 1245	
	Black lime		60 - 1305	
	Dark grey lime		25 - 1330	
	do and gypsum		15 - 1345	
	Grey lime		190 - 1535	
	Grey shale		55 - 1590	
	Grey & brown lime		125 - 1715	
	Grey lime & shale		45 - 1760	
	Dark grey lime		70 - 1830	
	Shale & lime		45 - 1875	
	Grey lime		122 - 1997	
Rochester	Grey shale		43 - 2040	
Clinton	Lime shell		9 - 2049	
Cabot Head	Pink & grey shale		21 - 2070	
~~Manitoulin~~	grey shale & shell		80 - 2150	
Manitoulin	grey lime		40 - 2190	
Queenston	Red shale		11 - 2201	

— Dry Hole —

Fresh water 78' - small
Black " 543 - Heavy rose 250'
" " 620 small
Salt " 1195 Holefull
" " 1660 2 bailers/hr.

Scum of oil 1660.

312' from North. 60' from West side.

Dawn Tp. lot 24 Con XIV. #24 Mawlam
UNION Nat. Gas Co. - O.P. 106 M. Kiser Driller
Sept 18th 1928 R.P. 815#. Elev.

S Surface			55	55
Huron	black shale		105	160
Hamilton	blue shale & lime		305	465
Onondaga etc	Hard grey lime		654	1119
	Gypsum lt. lime 5' shale 4'		10	1129
	~~Blue shale 4ft~~ Grey lime 7ft'		71	1200
	Black lime		30	1230
	Hard grey & brown lime		150	1380
	Grey lime & shale		105	1485
	Hard brown lime 10' ~~Blue lime~~		110	1595
	Blue lime 18' Blue shale 12'		30	1625
	" " 12 Brown lime 11'		23	1648
	Black lime 2' Brown lime 90		92	1740
	Black lime 50 White lime 15		65	1805
	Brown lime 50' " " 40		90	1895
	Blue lime 20		20	1915
Rochester	Blue shale		45	1960
Clinton	Lime shell 6'		6	1966
	Blue shale		56	2022
	Red shale 6'		6	2028
Manitoulin	White medina		77	2105
Queenston	Red Shale		13	2118
	Plugged back to		1750	1750

Fresh water 55' - Small
Salt " 538' - 3 bail/hr
" " 550 - 300' in hole
Oil and Salt water 1810. small

Gas at 1658 — show
" 1660-1665 — 100M
Oil at 1910 — show.

Dawn Tp. lot 24 Con XIII #27 Summers
Union Gas Co. Kiser Bros Drillers
O.P. 2.016 M.
Nov. 5th 1928 R.P. 735# Elev.

Surface			50	50
Huron	Black shale (35' soap & brown shale		135	185
Hamilton	Soap & lime		170	375
Onondaga	Grey lime		375	750
	Brown lime & gypsum		20	770
	Brown & grey lime		115	885
	Sharp dark grey lime		155	1040
	Brown lime		90	1130
	Brown lime & gypsum		70	1200
	Blue lime		95	1295
	Brown & blue broken lime		225	1520
	Salt		5	1525
	Dark brown lime		215	1740
	Broken, black lime		30	1770
	Grey lime		162	1932
	Blue shale		48	1980
Clinton	lime		5	1985
	Blue shale		25	2010
	Red Shale & Blue shale 20		25	2035
	Red " 5 " " 15		20	2055
	Blue & grey shale		60	2115
	Plugged back to 1700'		FD	1700

Gas 1548 to 1552 - 200 M | Fresh water 48 bbl
" 1657 - 800 M | Salt " 490 - 2 bailers
" 1660 - 1665 - 2000 M | " 570 holefull
1785 small
1800 2 bailers

N.W. cor.

Dawn Tp. lot 24. Con. XIII #28 Summer
Union Gas Co. O.P. 100 M Kiser Driller
Dec. 28th 1928 R.P. 460# Elev.

Surface			50	50
Huron	Black shale		131	181
Hamilton			229	410
Onondaga	Grey lime		230	640
	Brown lime ~~Expert~~		145	785
	Grey & brown lime		170	955
	Sharp grey lime		115	1070
	Brown & gray lime		90	1160
	Brown lime & gypsum		20	1180
	Blue & brown lime		310	1490
	Brown lime 50' Blue lime 50		100	1590
	Grey lime 15' Brown lime 90		105	1695
	Black lime 30' Grey lime		240	1935
Rochester	Grey shale		50	1985
Clinton	Grey lime		10	1995
	Blue shale		35	2030
	Red shale 30' blue shale 30		60	2090
Manitoulin	Grey lime 10' Blue shale 20		30	2120
Queenston	Red shale		16	2136
	Plugged back to 1558.			

Gas at 1558' - 100 M. Show oil 1680

Fresh Water 46' - large flow
Salt " 460 - 1½ bailers/hr
" " 550 - 5 " "
" " 1685 - small
" " 1705 - 1½ bailers/hr

730' from South, 1208' from East

Dawn Tp. lot. 25 Con. VII #22 Cross

Union Gas Co Kiser Driller

July 1928 Dry Hole Elev. _____

Surface		65 - 65
Huron	Black shale	120 - 185
Hamilton	Shale & lime	260 - 445
Onondaga	Grey lime	140 - 585
	Dark grey & brown lime	105 - 690
	Grey lime & gypsum	10 - 700
	Grey & brown lime	175 - 875
	Sharp grey lime	150 - 1025
	Grey lime	100 - 1125
	Grey & brown lime	35 - 1160
	Grey lime & gypsum	85 - 1245
	Grey & brown lime	170 - 1415
	Grey shale & shells	80 - 1495
	Salt and lime	60 - 1555
	Dark grey lime	100 - 1655
	Lime & shale	60 - 1715
	Salt and lime.	25 - 1740
	Brown & grey lime	50 - 1790
	Grey lime	80 - 1870
	Brown lime	15 - 1885
	Grey lime	90 - 1975
Rochester	grey shale & lime	46 - 2021

Fresh water 65' large.
Black .. 545' small
Salt " 575 "
" " 650 - 400' rise
" " 1970 - 4 bail/hr

Oil scum at 1745' and 1890

Dawn Tp lot. 30 Con XIII (S.W. corner) #23 White

Union Gas Co. Kiser driller

Aug. 19th 1928 Dry Hole Elev. _____

Surface		61 - 61
Huron	Black shale	69 - 130
Hamiltn	Lime	30 - 160
"	Shale & lime	193 - 353
Onondaga	Brown & grey lime	447 - 800
	Hard sharp br. & gr. lime	875 - 875
Hard	Grey & brown lime	85 - 960
	Grey lime & gypsum	10 - 970
	Hard grey & brown lime	55 - 1025
	Dark grey lime & gypsum	85 - 1110
	Brown & grey lime	215 - 1325
	Lime & salt	245 - 1570
	Hard brown & grey lime	138 - 1708
	Salt	17 - 1725
	Dark grey lime	20 - 1745
	Brown lime 80' grey lime	155 - 1900
	Grey & white lime	83 - 1983
Rochester	grey shale	42 - 2025
Clinton	lime	5 - 2030
Cabot Head	Pink shale 10' gr. shale	75 - 2105
Manitoulin	lime	67 - 2172
Queenston	Red shale	7 - 2179

Black water 405 - 5 bailers/hr
Salt .. 500 - 1 .. ..
580 - 6 .. ..
720 - rakes 150'
1882 - small

Copy

Euphemia Wells

		lot	Con
34	Moorehouse	W½,25	V
35	do	do	do
36	Long	SE¼ 27	V
37	Smith	E¼ 26	IV
38	"	do	do
39	Palmer	E¼ 25	IV
42	Bilton	NW¼ 24	V
43	Fensep	W½E½ 24	IV
44	Bilton	NW¼ 24	V

Dr. Blain - Hamilton
Down Twp. lot 20 Con XI
Nov. 1st 1925 McKinley #1

Surface	90	
Shale	45	135
Top rock	65	200
Upper soap	184	384
Middle lime	6	390
Lower soap	60	450
Big lime	126	576

Mm Beadle Driller

Eugene Coste Co. No. 4.
Dawn Tp. Lot 30 Con IX 500' from N 100' " E
Oct. 24th 1923 E. Zavitz
Kiser Bros. Driller. Elev.

	Surface (Dry Hole)	60'	60'
	Portage - black shale	70	130
Hamilton	- Grey lime & shale	218	348
Onondaga	Grey lime	92	440
	Grey lime & quartz sand	70	510
	Grey brown lime	50	560
	Grey lime & gypsum	50	610
	Grey-brown lime	150	760
	Grey cherty lime	200	960
	Buff dol. streaks sh. & gyp.	50	1010
	Rock salt	10	1020
	Impure dol. sh. & gyp.	240	1260
	Gr. shaly dol.	120	1380
	Rock salt, little shale	60	1440
	~~Buff shaly dolomite~~ Salt	166	1606
	Grey shaly dol.	64	1670
	Gr. shaly lime & salt	103	1773
	Salt	25	1798
	Dark shaly dol.	122	1920
Guelph & Niagara	- Buff cryst. lime	30	1950
	Brown dolomite	50	2000
	grey shaly dol.	40	2040
	Grey wh. & br. dol.	22	2062
Cochester	Chocolate shale	48	2110
	Grey shale & dol.	50	2160
	Grey crys. lime	50	2210
	Chocolate & green sh.	290	2500
	Grey lime & shale	230	2730
	Dark gr. & br. shale	170	2900
	Black shale	65	2965
Trenton	Grey shaly lime	60	3025
		205	3230

gr. buff lime & gyp	90	3320
gr. mottled lime	300	3620
gr. fossil. lime spots shaly and gyp.	260	3880
Do. with rounq qtz grains	10	3890
Arkose. Granite detritus and rounded qtz grains	25	3915

900' from North. 100' from West.

Dawn Tp. lot. 23 Con. II #31. Wicks

Union Gas Co. Kiser Driller

April 10th 1929. Dry Hole. Elev. ____

Surface		65	65
Huron	Black shale	165	230
Hamilton	Soap & lime	285	515
Onondaga	Grey lime	140	655
Detroit River	Grey & brown lime	95	750
	do do & gypsum	140	890
	Brown lime	65	955
	Sharp brown lime	170	1125
	Brown & grey lime	165	1290
	Blue & grey lime	40	1330
	Brown lime	30	1360
	Blue lime	90	1450
	Brown & grey lime	140	1590
	" blue "	90	1680
	Salt & lime 25' Salt 60'	85	1765
	Brown lime	260	2025
	White & grey lime	20	2045
	Brown lime 40' grey lime 50'	90	2135
	Blue lime 20' brown lime 3	23	2158
Rochester	blue shale	15	2175
Clinton	lime	5	2180
Cabot Head	Pink shale	15	2195
	Blue shale & lime	65	2260
Manitoulin	Grey & brown lime	30	2290
Queenston	Red shale	38	2328

Fresh Water 65' small
Salt " 555 Holefull
" " 1835 1½ bailers per hour

Dawn Tp. lot. 23 Con. VII #33 Webster

450' from North
Union Gas Co. 551' E from E Kiser Driller

July 31st 1929. Dry Hole. Elev.

Surface		60	60
Huron	Brown shale	100	160
Hamilton	Lime & soap	65	225
~~Onondaga~~	~~Shale & lime~~	217	442
Onondaga	& Grey lime	168	610
	Grit	15	625
Detroit River	Brown lime	130	755
	Brown Lime & gypsum	10	765
	Dark brown lime	265	1030
	Grey sharp lime	120	1150
	Grey & brown lime	110	1260
	Light grey lime & gypsum	10	1270
	Grey lime	77	1347
	Blue lime	103	1450
	Grey lime 55' brown lime 10	65	1515
	Lime & shale 10. Gra & Br lime 70	80	1595
	Shale 45 Brown lime 50	95	1690
	Salt 50' Brown lime 125	175	1865
	Salt 15' " " 150	165	2030
	Light grey lime	80	2110
Rochester	Grey shale	40	2150
Clinton	Lime	5	2155
Cabot Head	Red Shale 10' Bl. sh. 55	65	2220
Manitoulin	Lime	64	2284
Queenston	Red Shale	6	2290

Water. Fresh 58' Plenty
" Salt 495 small
" " 520 Holefull
" " 1750 ½ bailer/hr.

351' from North
2275 " West

Dawn Tp. lot 24 Con. ~~XI~~ XII #40 Hartwick

Union Gas Co. Dry Hole. Kiser Driller

Aug. 19th 1929 Elev. ____

Surface		40	
Huron	Black shale	100	140
Hamilton	Blue shale & lime	70	210
	Soap & lime	235	445
Onondaga	grey lime	360	805
	Brown lime	115	920
	Br. & gr. sharp lime	130	1050
	Br & gr lime	50	1100
	do do sharp lime	35	1135
	Brown lime	120	1255
	Blue lime & gypsum	20	1275
	Blue & brown lime	540	1815
	Grey & brown lime	130	1945
Rochester	grey shale	45	1990
Clinton	lime	5	1995
Cabot Head	Pink shale	5	2000
	Grey "	75	2075
Manitoulin	lime	40	2115
	blue shale	15	2130
Queenston	Red shale	5	2135

Water:— Salt 590', Holefull
" 1722', very little
Show of oil at 1710'

250' from S. 1665' from West

Dawn Tp. lot. 24 Con. XIII #41. Summers

Union Gas Co. Comp. Sept 20/1929

Surface	Clay	45	45
Huron	Black shale	90	135
Hamilton	Blue lime & soap	260	395
Onondaga	Brown lime	75	470
	Grey & brown lime	545	1015
	Sharp grey lime	95	1110
	Grey & blue lime	120	1230
	Blue & brown lime	50	1280
	Blue & grey lime	215	1495
	Grey shale & shells	65	1560
	Blue & grey lime	35	1595
	Grey & brown lime	85	1680
	Blue lime	40	1695
	Grey & brown lime	110	1805
	Black & grey lime	45	1850
	Hard light grey lime	130	1980
Rochester	grey shale	20	2000

Dry Hole.
Show of oil 1730. Salt water 450 (small 20')

700' from N. line 25' W of E

Dawn Tp. lot. 24 Con. XIV #30 Mawlam.

Union Nat. Gas Co. Dry Hole. Kiser Driller

March 29th 1929 Elev.

Surface		21	21
Huron	Black Shale	79	100
Hamilton	Lime 65 Soap 173	313	413
Onondaga	Grey limestone	287	700
	Brown lime	190	890
	Sharp grey lime	75	965
	Brown lime 90'	90	1055
	Blu. lime & gy. 145 Bl. lime 25	170	1225
	Br. lime 95' Blu. lime 85	180	1405
	Salt	125	1530
	Hard brown lime	70	1600
	Blue lime	85	1685
	Brown lime	80	1765
	Black lime	25	1790
	Grey & brown lime	150	1940
Rochester	Grey shale	45	1985
Cabot Head	Red shale	5	1990
	Blue & grey shale	50	2040
	Pink & blue shale	20	2060
Manitoulin	Grey lime	65	2125
Queenston	Red shale	8	2133

Water. salt, at 505, 3 bailers/hr
" " " 515 hole full

Dawn Tp. lot 25 Con. VII #29 Weatherstone. Dawn Tp. lot 23 Con X

Union Gas Co { 450' from South / 60' " East } Kiser Driller

Jany 12th 1929 Dry Hole Elev. ____

Surface		86	86
Huron	Black shale	214	290
Hamilton	Lime	25	315
"	Soap & lime	210	525
Onondaga	Brown lime	100	625
and	" " sharp	45	670
Detroit River	" "	105	775
	Grey -do	170	945
	Sharp sand	165	1110
	Grey lime	90	1200
	Grey lime & gypsum	27	1227
	Blue lime	158	1385
	Brown lime	110	1495
	Grey lime & shale	105	1600
	Brown lime	150	1750
	Salt	15	1765
	Dark brown lime	30	1795
	Grey & brown lime	100	1895
	Hard grey lime	105	2000
Rochester	Blue shale	40	2040
Clinton	Lime	13	2053
	Blue shale	22	2075
	Red shale 5' blue shale 25'	40	2115
Manitoulin	Lime 55 blue shale 20	75	2190
Queenston	Red Shale	10	2200

Salt water. 670 - 4 bail/hr } Gas at 73' small
" " 725 - 200' " " 1607 show
" " 1650 - V. small } Oil at 1650 "
" " 1990 - 1 bail/hr. " " 1755 "

UNION NATURAL GAS CO., CHATHAM
Lot 23, con. I, ~~Dawn tp.~~ Euphemia

Completed November 1, 1928.
Dry hole.

Formation	Thickness, ft.
Surface	45
Black shale	12
Hamilton lime and shale	347
Onondaga, Detroit River, and Salina	1,306
Guelph and Niagara	196
Rochester shale	39
Clinton	6
Cabot Head	79
Manitoulin dolomite	66
Queenston shale	10
Total depth	2,106

UNION NATURAL GAS CO., CHATHAM
Lot 24, con. XIII, Dawn tp.

Completed November 5, 1928.
Open flow: 2,016,201 cu. ft.
Rock pressure: 735 lbs.

Formation	Thickness, ft.
Surface	50
Black shale	90
Hamilton lime and shale	245
Onondaga, Detroit River, and Salina	1,395
Guelph and Niagara	147
Rochester shale	48
Clinton	5
Cabot Head	95
Manitoulin dolomite	40
Total depth	2,115

Gas at 1,665 feet.
W. " 1800'

UNION NATURAL GAS CO., CHATHAM
Lot 25, con. VIII, Dawn tp.

Completed July, 1928.
Dry hole.

Formation	Thickness, ft.
Surface	70
Black shale	120
Hamilton lime and shale	255
Onondaga, Detroit River, and Salina	1,295
Guelph and Niagara	235
Rochester shale	10
Cabot Head shale	36
Total depth	2,021

W. at 1970'

UNION NATURAL GAS CO., CHATHAM
Lot 30, con. XIII, Dawn tp.

Completed August 19, 1928.
Dry hole.

Formation	Thickness, ft.
Surface	61
Black shale	19
Hamilton lime and shale	273
Onondaga, Detroit River, and Salina	1,547
Guelph and Niagara	125
Clinton	5
Cabot Head	10
Manitoulin	132
Queenston shale	7
Total depth	2,179

W. at 1882'

UNION NATURAL GAS CO., CHATHAM
Lot 24, con. XIII, Dawn tp.

Completed December 28, 1928.
Dry hole.

Formation	Thickness, ft.
Surface	45
Black shale	85
Hamilton lime and shale	285
Onondaga, Detroit River, and Salina	1,420
Guelph and Niagara	100
Rochester shale	50
Clinton	10
Cabot Head	75
Manitoulin dolomite	50
Queenston shale	16
Total depth	2,136

W. at 1706'

UNION NATURAL GAS CO., CHATHAM
Lot 24, con. VI, Dawn tp.

Completed April 12, 1928.
Dry hole.

Formation	Thickness, ft.
Surface	75
Black shale	145
Hamilton shale and lime	254
Onondaga (Big lime), and Salina	1,451
Guelph and Niagara	115
Clinton	9
Cabot Head shale	21
Manitoulin dolomite	120
Queenston shale	11
Total depth	2,201

W. at 1660'

UNION NATURAL GAS CO., CHATHAM
Lot 19, con. I, Dawn tp.

Completed December 13, 1928.
Open flow: 25,000 cu. ft.
Rock pressure: 705 lbs.

Formation	Thickness, ft.
Surface	60
Black shale	205 265
Hamilton shale and lime	234 499
Onondaga, Detroit River, and Salina	1,416
Guelph and Niagara	105
Rochester shale	45
Clinton	5
Cabot Head	80
Manitoulin dolomite	65
Queenston shale	285
Dundas shale	330
Utica shale	83
Trenton	937
Pre-Trenton (arkose)	5
Granite	14
Total depth	3,869

Gas at 1,690 feet.
W. " 1695'

UNION NATURAL GAS CO., CHATHAM
Lot 24, con. XIV, Dawn tp.

Completed September 1, 1928.
Open flow: 105,809 cu. ft.
Rock pressure: 815 lbs.

Formation	Thickness, ft.
Surface	55
Black shale	105
Hamilton shale and lime	300
Onondaga, Detroit River, and Salina	1,330
Guelph and Niagara	170
Clinton	5
Cabot Head shale	62
Manitoulin dolomite	88
Queenston shale	3
Total depth	2,118

Gas at 1,665 feet.
W. " 1810'

Lambton County

UNION NATURAL GAS CO., CHATHAM
Lot 24, con. XIII, Dawn tp.

Completed December 28, 1928.
Dry hole.

Formation	Thickness, ft.
Surface	45
Black shale	85
Hamilton lime and shale	285
Onondaga, Detroit River, and Salina	1,420
Guelph and Niagara	100
Rochester shale	50
Clinton	10
Cabot Head	75
Manitoulin dolomite	50
Queenston shale	16
Total depth	2,136

BRITISH PETROLEUM CO., HAMILTON
Lot 23, con. VIII, Plympton tp.

Completed August, 1928.
Show of oil.

Formation	Thickness, ft.
Surface	80
Gravel	8
Shale	40
Lime	112
Top soap	140
Limestone	6
Lower soap	59
Drilled into lime	111
Total depth	556

Norfolk County

DOMINION NATURAL GAS CO., BUFFALO, N.Y.
Lot 7, con. XI, Charlotteville tp.

Completed May 16, 1928.
Dry hole.

Formation	Thickness, ft.
Surface	206
Brown and grey lime	149
Flint lime	135
Mixed lime and slate	403
Niagara lime	203
Grey shale	49
Clinton	30
Red Medina	3
Red and blue shale	81
Grey Medina	8
Red shale	5
Total depth	1,272

DOMINION NATURAL GAS CO., BUFFALO, N.Y.
Lot 19, con. VIII, Charlotteville tp.

Completed January 2, 1928.
Dry hole.

Formation	Thickness, ft.
Surface	215
Lime	125
Flint	90
Lime	60
Blue shale	95
Grey lime	30
Blue shale	220
Niagara lime	216
Shale	58
Clinton sand	20
Red Medina	15
Red and grey shale	84
White Medina sand	6
Big red mud	4
Total depth	1,238

IINION NATURAL GAS CO., BUFFALO, N.Y.
Lot 24, con. II, Charlotteville tp.
ed December 11, 1928.

Formation	Thickness, ft.
ace	102
vn and grey lime	118
t	135
	35
e	385
ara lime	205
	63
on sand	22
Medina sand	22
	93
e Medina	8
shale	8
Total depth	1,196

DOMINION NATURAL GAS CO., BUFFALO, N.Y.
Lot 20, con. XIV, Walsingham N. tp.

Completed January 7, 1928.
Open flow: 95,000 cu. ft.
Rock pressure: 570 lbs.

Formation	Thickness, ft.
Surface	221
Brown and grey lime	150
Flint	154
Mixed lime and shale	390
Niagara lime	235
Grey shale	53
Clinton sand	29
Red Medina	5
Blue shale	40
Total depth	1,277

Gas at 1,212 feet.

DOMINION NATURAL GAS CO., BUFFALO, N.Y.
Lot 1, B.F., gore, Woodhouse tp.

Completed April 18, 1928.
Open flow: 95,000 cu. ft.
Rock pressure: 625 lbs.

Formation	Thickness, ft.
Surface	148
Lime	127
Flint	125
White lime	35
Shale	365
Niagara lime	224
Shale	59
Clinton sand	22
Red Medina	18
Blue shale	90
White Medina	8
Red shale	42
Total depth	1,263

Gas at 1,219 feet.

DOMINION NATURAL GAS CO., BUFFALO, N.Y.
Lot 3, con. II, Woodhouse tp.

Completed August 1, 1928.
Open flow: 35,000 cu. ft.
Rock pressure: 400 lbs.

Formation	Thickness, ft.
Surface drift	155
Grey and brown lime	85
Onondaga flint	130
Lime and slate	415
Niagara	200
Shale (Rochester)	52
Clinton	44
Red Medina sand	9
Blue shale	67
White Medina	11
Red shale (Queenston)	6
Total depth	1,174

Gas at 1,071 feet.

SMITH OIL AND GAS SYNDICATE, WINDSOR
S.E. pt. gore A, con. II, Romney tp.

Completed July 11, 1930.
Open flow: 150,000 cu. ft.
Rock pressure: 200 lbs.

Formation	Thickness, ft.
Surface (clay)	150
Top rock	8
Grey lime	200
Sharp sand	145
Lime	237
Gypsum and lime	20
Dark lime	415
Light brown lime	10
Grey lime	20
Brown lime	15
Grey lime	25
Brown lime	30
Grey lime	25
White lime	11
Total depth	1,311

Gas at 1,183 and 1,215 feet.
Water at 158, 260, 624, 685, and 1,311 feet.

SOUTHERN ONTARIO GAS CO., MERLIN
Lot 185, T.R., Romney tp.

Completed October 21, 1930.
Open flow: 139,000 cu. ft.
Rock pressure: 150 lbs.

Formation	Thickness, ft.
Clay	142
Gravel	10
Big lime	158
Brown lime	115
Grey lime	50
Sharp sand	175
Grey lime	300
Dark-grey lime	340
Light water sand	5
Total depth	1,295

Gas at 1,128, 1,200, and 1,227 feet.
Water at 310, 500, and 1,295 feet.

SOUTHERN ONTARIO GAS CO., MERLIN
Lot 187, T.R., Romney tp.

Completed December 1, 1930.
Open flow: 67,000 cu. ft.
Rock pressure: 162 lbs.

Formation	Thickness, ft.
Surface	167
Dark-grey lime	353
Sharp sand	170
Dark-grey lime	610
Light-grey lime	75
Water sand	4
Total depth	1,379

Gas at 1,175 and 1,300 feet.
Water at 240 and 690 feet.

SOUTHERN ONTARIO GAS CO., MERLIN
Lot 177, T.R., Tilbury East tp.

Completed January 2, 1930.
Rock pressure: 200 lbs.

Formation	Thickness, ft.
Clay	179
Soap	20
Black shale	15
Soap	20
Black shale	10
Soap	16
Light-grey lime	300
Grey lime	15
Sharp sand	135
Light-grey lime	240
Brown lime	215
Dark-grey lime	201
Total depth	1,366

Gas at 1,355 feet.
Water at 560 and 715 feet.

SOUTHERN ONTARIO GAS CO., MERLIN
Lot 173, T.R., Tilbury East tp.

Completed February 25, 1930.
Open flow: 221,000 cu. ft.
Rock pressure: 225 lbs.

Formation	Thickness, ft.
Clay	180
Quicksand and gravel	7
Soap	35
Dark lime	20
Soap and shale	21
Light-grey lime	262
Brown lime	293
Light-grey lime	87
Blue lime	50
Light-brown lime	133
Blue lime	102
Light-grey lime	15
Dark-grey lime	127
Total depth	1,332

Gas at 1,326 feet.
Water at 675 feet.

ACME GAS AND OIL CO., TORONTO
Lots 6 and 7, R.R., Zone tp.

Completed February 21, 1930.
Show of oil.

Formation	Thickness, ft.
Surface	160
Soapstone	40
Middle lime	15
Lower soapstone	24
Hard streak at 239 feet.	
Lower soapstone	9
Big lime	48
Total depth	296

Oil at 265, 280, and 295 feet.

ACME GAS AND OIL CO., TORONTO
Lot 6 A, S.L.R., Zone tp.

Completed April 2, 1930.
Show of oil.

Formation	Thickness, ft.
Clay	30
Hardpan	90
Soapstone (hard streak at 178 and at 215 to 218 feet)	108
Middle lime	14
Lower soap	25
Dark streak	8
Lower lime	70
Total depth	345

Oil at 290 and 308 feet.

700' from E
100'S of E — UNION NATURAL GAS CO., CHATHAM — Lot 23, con. X, Dawn tp. — #50 Gray

Completed October 21, 1930.
Dry hole.

Formation	Thickness, ft.	
Surface	40	40
Top rock	34	74
Upper soap	155	229
Middle lime	20	249
Lower soap	33	282
Onondaga and Detroit River brown lime	438	720
Brown and grey sharp lime	180	900
Brown lime	103	1003
Blue Lime and gypsum	142	1145
Blue and brown lime 55 Grey shale shells 85	240	1385
Lime and salt	215	1600
Dark-brown and grey lime	310	1910
Grey lime Salt at 1745	98	2002
Rochester shale	38	2040
Clinton	10	2050
Cabot Head shale	80	2130
Manitoulin lime and shale	57	2187
Queenston red shale	14	2201
Total depth	2,201	

Gas at 287 feet.
Oil at 1,745 feet.
Water at 425 and 1,772 feet.

Sulfur Salt

Brown & grey lime 40
Hard dark lime 40
Black lime 30
Hard grey lime 20
Light grey lime & salt 5
Grey & brown lime 20
Hard dark grey lime 75
Black & grey lime 10
Hard grey & brown lime 40
310

Lambton County

UNION NATURAL GAS CO., CHATHAM

550' from South
1450' " West Lot 18, con. I, Dawn tp. #46 Stevens

Completed May 22, 1930. Plugged

Formation	Thickness, ft.
Surface	53
Black shale	222
Top rock	40
Upper soap	145
Middle lime	15
Lower soap	25
Onondaga and Detroit River brown lime	405
Brown and grey sharp lime	275
Brown lime	95
Lime and gypsum	5
Blue and brown lime	655
Grey lime	100
Rochester grey shale	11
Total depth	2,046

Blues brown 70
Blue lime 80
Brown " 70
Blue & brown 145
Brown Lime 65
Blue Lime 65
Brown Lime 95
Black Lime 25'
Grey & brown lime 45'
653

27M Gas at 1,783 feet.
Water at 573 feet. Holefull

UNION NATURAL GAS CO., CHATHAM

20' from S. 1800' from E. Lot 19, con. I, Dawn tp. #45 Van Sickle

QF. 150 M. RP. 775#

Completed March 26, 1930.

Formation	Thickness, ft.
Surface	68
Black shale	202
Top rock	40
Top soap	125
Middle lime	18
Lower soap	32
Onondaga and Detroit River brown lime	400
Brown and grey sharp lime	255
Brown lime	80
Brown lime and gypsum	5
Brown and blue lime	793
Rochester blue shale	7
Plugged back to 1860	
Total depth	2,025

Brown lime 80
Blue lime 105
Brown & blue " 240
Brown " 60
Blue " 60
Blue grey & brown 15
Brown lime 85
Brown & grey " 15
Brown " 105
Grey " 65
793

Gas at 1,625, 1,740, and 1,843 feet.
Oil at 1,860 to 1,865 feet.
Water at 68, 520, and 1,745 feet.

UNION NATURAL GAS CO., CHATHAM

50' from South, 1130' from West Lot 19, con. I, Dawn tp. #47 Ellis

Open Flow 2,050 M. RP 875

Completed July 14, 1930.

Formation	Thickness, ft.
Surface	67
Black shale	198 - 265
Top rock	40 305
Upper soap	125 430
Middle lime	15 445
Lower soap	31 476
Onondaga and Detroit River brown lime	434 910
Brown and grey sharp lime	170 1080
Brown lime	125 1205
Lime and gypsum	50 1255
Blue and brown lime	357 1612
Brown lime	86 1698
Grey lime	14 1712
Total depth	1,712

Gas at 1,533, 1,612, 1,625, 1,650, 1,655, 1,659, 1,664, 1,669, 1,695, and 1,698 feet.
Water at 67, 605, and 650 feet.

UNION NATURAL GAS CO., CHATHAM

550' from South 1220' from West Lot 23, con. XI, Dawn tp. #52 Barnes

Completed December 5, 1930.

Dry hole.

Formation		Thickness, ft.
Surface		45
Upper soap	234	189
Middle lime	254	20
Lower soap	289	35
Onondaga and Detroit River brown lime	725	436
Brown and grey sharp lime	900	175
Brown lime	1055	155
Lime and gypsum	1155	100
Blue and brown lime	1375	220
Salt and lime	1590	215
Brown and grey lime	1730	140
Brown and grey lime with gypsum	1735	5
Brown and grey lime	1822	87
Total depth		1,822

Brown lime 45'
Sharp grey " 75
" 316
436

Black lime 1635-1700

Show of oil at 1,730 feet.
Water at 380 and 1,745 feet 2¼ bbls

UNION NATURAL GAS CO., CHATHAM

S.W. Corner Lot 18, con. I, Dawn tp. R.P. 700

Completed December 27, 1930. QF. 247 M.cu.ft.

#53 Van Sickle

Formation	Thickness, ft.	
Surface	60	
Black shale	205 - 265	
Top rock	65 - 330	
Upper soap	123	453
Middle lime	5	458
Lower soap	31	489
Onondaga and Detroit River brown lime	416	905
Brown and grey sharp lime	238	1143
Brown lime	85	1228
Lime and gypsum	145	1373
Blue and brown lime	592	1965
Grey lime	58	2023
Rochester grey shale	8	2031
Plugged back to 1700		
Total depth	2,031	

Blue Brk. 157
Blue Ls. 60
Blue br. Ls. 30
Brown lime 85
Brown lime 210

Gas at 1,605, 1,625, 1,635, 1,658, and 1,670 feet.
Water at 60, 545, and 1,815 feet.

UNION NATURAL GAS CO., CHATHAM

450' from South 1830' from East Lot 20, con. I, Dawn tp. #51 Childs

Completed November 14, 1930.

Dry hole.

Formation		Thickness, ft.
Surface		62
Black shale	280	218
Top rock	355	75
Upper soap	462	107
Middle lime	477	15
Lower soap	505	28
Onondaga and Detroit River brown lime	900	395
Brown and grey sharp lime	1185	285
Blue and brown lime		745
Grey lime		110
Rochester shale		7
Total depth		2,047

745
Brown & blue 445
Brown lime 70
Blue lime 50
Brown & blue 115
Black lime 5
Brown lime 40

Show of gas at 1,660 feet.
Water at 62 and 545 feet. Holefull
Fresh Salt

UNION NATURAL GAS CO., CHATHAM

1300' from South, 150 West of Centre Lot 19, con. I, Dawn tp. #49 Ellis

Completed October 4, 1930.

QF 23,794 M RP 865

Formation	Thickness, ft.
Surface	66
Black shale	194 260
Top rock	40 300
Upper soap	130 430
Middle lime	15 445
Lower soap	26 471
Onondaga and Detroit River brown lime	404 875
Brown and grey sharp lime	210 1085
Brown lime	20 1105
Lime and gypsum	195 1300 1570
Blue and brown lime	270 148 30 1600
Brown lime	118 1718
Total depth	1,718

Blue lime
Soap
Gas at 500, 1,605, 1,623, 1,633, 1,660, 1,675, 1,680, 100M, 1,700, 550M, 1,705, 1,710, 1,713, and 1,718 feet.
Water at 66, 505, and 530 feet.
Fresh Salt Heavy Sulfur Heavy

UNION GAS CO. OF CANADA, CHATHAM

920' from West
920' " South Lot 24, con. II, Dawn tp. #64 McLachlin

Completed October 28, 1932.

600' from #63. Production 15 bbls oil. 41° Bé

Formation	Thickness, ft.	
Surface	73	
Huron shale	182	255
Top rock	57	312
Upper soap	115	427
Middle lime	15	442
Lower soap	28	470
Onondaga brown lime	85	555
Detroit River brown and grey lime	280	835
Sharp grey lime	123	958
Salina brown and grey lime and gypsum	479	1437
Salt	173	
Blue and brown lime	154	
Salt	36	
White lime	5	
Guelph and Lockport brown lime	163	
Grey lime	44	
Total depth	2,012	

Gas at 1,805 to 1,815 feet; show of gas at 1,817 and 1,954 to 1,959 feet.
Oil at 1,933 to 1,940 feet. and 10 M cu.ft. gas
Sulphur water at 555 feet; salt water at 1,954 to 1,959 and 1,995 to 2,012 feet.

UNION GAS CO. OF CANADA, CHATHAM

565' from West
430' " South Lot 24, con. II, Dawn tp. #63 McLachlin

Completed August 30, 1932. Prod. 50 bbls oil daily

600' from #61. 1700' from #59. 41° Bé.

Formation	Thickness, ft.	
Surface	75	
Brown shale	170	245
Top rock	60	305
Upper soap	118	423
Middle lime	17	440
Lower soap	30	470
Onondaga (grey lime)	110	580
Detroit River grey and brown lime	255	835
Hard sharp grey lime	120	955
Hard brown and grey lime	85	1040
Blue and brown lime and gypsum	150	1190
Blue and brown lime	25	1215
Hard brown lime	30	1245
Blue and brown lime	160	1405
Salt... Brown lime 1410 - 1420	205	1610
Brown and grey lime	80	1690
Blue lime	30	1720
Grey and blue lime	40	1760
Salt	42	1802
White lime	8	1810
Brown lime	135	1945
Black and grey lime	5	1950
Fine brown lime	10	1960
Total depth	1,960	

Oil at 1,813 and 1,824 feet. Shot with 200 qts n/g between 1821 - 1885
Sulphur water at 580 feet.

UNION NATURAL GAS CO. OF CANADA, CHATHAM

50' from North
50' W of E Lot 22, con. X, Dawn tp. #56 Christner

Completed March 24, 1931.
Dry hole.

Formation	Thickness, ft.
Clay	43
Black shale	32
Hard grey lime	40
Petrolia shale	155
Widder beds	20
Olentangy shale	24
Onondaga and Detroit River lime	481
Dark sharp brown and grey lime	140
Hard brown and grey lime	100
Blue and brown lime and gypsum shale	90
Hard brown and grey lime	215
Grey lime and blue shale	75
Salt and lime	200
Hard brown and grey lime	100
Grey shale	30
Lime and salt	15
Hard grey and brown lime	90
Hard black lime	45
Hard grey lime	120
Grey shale (Rochester)	15
Total depth	2,030

Show of gas at 1,383 feet.
Sulphur water at 325 and 540 feet. rises 200'

UNION NATURAL GAS CO. OF CANADA, CHATHAM

1000' from West
60' from South Lot 15, con. II, Dawn tp. #57 Lawrence

Completed April 11, 1931.
Dry hole.

Formation	Thickness, ft.	
Surface	55	55
Black shale	175	230
Ipperwash lime	45	275
Petrolia shale	125	400
Widder beds	10	410
Olentangy shale	23	433
Onondaga and Detroit River lime	377	810
Sharp sand	130	940
Brown lime	90	1030
Blue and brown lime	380	1410
Salt	155	1565
Brown and blue lime	160	1725
Salt	15	1740
Hard brown lime	90	1830
Black lime	25	1855
Brown lime	41	1896
Total depth	1,896	

Sulphur water at 435; salt at 1,875 to 1,880 feet

UNION NATURAL GAS CO. OF CANADA, CHATHAM

250' from North
1500' " West Lot 24, con. II, Dawn tp. #59 McLachlin

Completed June 2, 1931.
Open flow: 25,023,000 cu. ft.
Rock pressure: 860 lbs.

Formation	Thickness, ft.	
Clay	69	
Black shale	181	250
Ipperwash lime	30	280
Petrolia shale	150	430
Widder beds	15	445
Olentangy shale	31	476
Onondaga and Detroit River lime	384	860
Sharp brown and grey lime	115	975
Hard brown and grey lime	90	1065
Blue lime and gypsum	100	1165
Blue, grey, and brown lime, and shale	255	1420
Brown lime and salt	120	1540
Grey and brown lime Brown lime 121' Grey & blue lime 54' Brown lime 40' 75.5	135	1675
Total depth	1,675	

Gas at 1,320, 1,380, 1,545 to 1,581, 1,645, 1,673, and 1,675 feet.
Fresh water at 69 feet; sulphur at 595 feet.

UNION NATURAL GAS CO. OF CANADA, CHATHAM

50' from W
50' South of E.W.E Lot 11, con. I, Dawn tp. #58 McMullin

Completed May 23, 1931.
Dry hole.

Formation	Thickness, ft.	
Surface	55	55
Black shale	200	255
Ipperwash lime	55	310
Petrolia shale	102	412
Widder beds	18	430
Olentangy shale	25	455
Onondaga and Detroit River Gr. ls. 25' Dk 85'	310	765
Brown and grey sharp lime	95	860
Brown lime	145	1005
Blue and brown lime	130	1135
Blue and brown lime and gypsum	25	1160
Blue and brown lime	85	1245
Blue shale	60	1305
Blue and brown lime	430	1735
Grey and brown lime Gr. ls. 180' Grey ls. 70'	250	1985
Rochester shale	30	2015
Pink shale	35	2050
Blue and grey shale	125	2175
Red shale	13	2188
Total depth	2,188	

Sulphur water at 480 and 605 feet.
2 Bph.

UNION NATURAL GAS CO. OF CANADA, CHATHAM
55' from South, 2000' from East. Lot 15, con. III, Dawn tp. #55 Stinson
Completed March 5, 1931.
Dry hole.

Formation	Thickness, ft.	
Surface	59	
Black shale	196	- 255
Shale Lime Top Rock	10	- 265
Soap	132	- 397
Middle lime	15	- 412
Lower soap	20	- 432
Onondaga and Detroit River lime Brown	398	- 830
Sharp sand	115	- 945
Brown lime	110	- 1055
Blue and brown lime	350	- 1405
Salt and lime	160	- 1565
Hard brown lime	75	- 1640
Blue and grey lime	145	- 1785
Salt	15	- 1800
Brown lime	35	- 1835
Black lime	25	- 1860
Blue, grey, and brown lime Blue & brown lime 45 / Grey lime 90	135	- 1995
Rochester shale	5	- 2000
Total depth	2,000	

Sulphur water at 535 and 560 feet.

UNION GAS CO. OF CANADA, CHATHAM
200' from West, 50' " North Lot 23, con. II, Dawn tp. #61 - Chesney
Completed June 9, 1932.
~~Dry hole~~. Oil well 25 bbls. per day 410 Bd.

Formation	Thickness, ft.
Surface	69
Huron shale	211
Hamilton lime	35
Hamilton shale	160
Onondaga grey lime	140
Detroit River brown lime	215
Sharp grey lime	120
Brown lime	90
Blue lime and gypsum	30
Brown and grey lime	25
Blue lime	135
Brown lime	70
Grey and brown lime	35
Blue lime	45
Grey and blue lime	55
Salt and lime	180
Brown and grey lime	50
Dark-brown and grey lime	95
Salt and lime	45
White lime	10
Brown and black lime	10
Brown lime	70
Black lime	30
Grey and brown lime	62
Plugged back to 1820	
Total depth	1,987

Gas at 1,820 feet.
Oil at 1,815 feet.
Sulphur water at 615 feet; salt water at 1,820 to 1,825, and 1,960 feet; fresh water at 495 feet.

UNION NATURAL GAS CO. OF CANADA, CHATHAM
50' E of N.S. & 50' N of E.W.S. Lot 25, con. I, Dawn tp. #60. S.S.B.
Completed July 21, 1931.
Dry hole.

Formation	Thickness, ft.	
Clay	80	- 80
Black shale Brown & gr. lime & gyp. 220 / Hard, brown & gr. lime 30 / Grey lime shells & shale 85	160	- 240
Ipperwash lime 345	50	- 290
Petrolia shale	115	- 405
Widder beds	25	- 430
Olentangy shale	32	- 462
Onondaga and Detroit River limestone	178	- 640
Grey lime and gypsum	5	- 645
Dark-grey and brown lime	180	- 825
Hard sharp lime	125	- 950
Hard brown and grey lime in 5' streaks	85	- 1035
Brown and grey shale, lime, and gypsum	365	- 1400
Salt and brown lime Salt 140 Salt & lime 98	238	- 1638
Brown lime and blue shale	136	- 1774
Salt	51	- 1825
Hard grey and black lime	258	- 2083
Rochester blue shale	7	- 2090
Total depth	2,090	

Show of oil at 1,990 feet.
Sulphur water at 560 and 595 feet; salt at 1,990 and Salt 2,070 to 2,080 feet. 3 bph.

Two 1932 Dawn logs overleaf.

UNION NATURAL GAS CO. OF CANADA, CHATHAM
Lot 26, con. X, Euphemia tp.
Completed January 25, 1931.
Dry hole.

Formation	Thickness, ft.
Surface	70
Ipperwash lime	15
Petrolia shale	165
Widder beds	20
Olentangy shale	15
Onondaga lime and Detroit River	285
Sharp lime	255
Dark-grey lime and gypsum	205
Brown and grey lime and shale	220
Salt and lime	193
Dark-grey lime and gypsum	112
Hard dark-brown and grey lime	245
White lime	12
Rochester shale	58
Brown Clinton sand	10
Grey shale	20
Total depth	1,900

Gas at 450 and 1,570 feet.
Sulphur water at 310, 450, and 515 feet; salt at 1,685 and 1,800 feet.

UNION GAS CO. OF CANADA, CHATHAM
890' from North, 580' E of W Lot 25, con. II, Dawn tp. #62 Evans
Completed August 5, 1932.
Dry hole.
2300' from #59

Formation	Thickness, ft.
Surface	69
Brown shale	166
Top rock	70
Hamilton shale	152
Onondaga grey lime	123
Detroit River brown and grey lime	255
Sharp brown and grey lime	125
Brown and grey lime	80
Blue and brown lime and gypsum	70
Blue lime	100
Brown and blue lime and gypsum	10
Brown and grey lime	125
Blue lime	70
Salt	195
Brown and grey lime	95
Black lime	60
Salt	40
White lime	5
Brown lime	140
White lime	10
Brown and grey lime	35
White lime	45
Blue lime	20
Rochester grey shale	42
Clinton	10
Red shale Cabot Head	3
Total depth	2,115

Show of gas and oil at 1,815 feet. Boat/hr
Fresh water at 69 feet; sulphur water at 540 and 580 feet.

White Medina	17	
Red shale	45	
Total depth	479	

Gas at 304 and 431 feet.
Water at 70 feet.

ROMNEY GAS AND OIL CO., LONDON

Lot 3, S.E. ½ of N.W. ¼, con. XV, Tilbury East tp.

Completed September 2, 1933.
Open flow: 15,000 cu. ft.
Rock pressure: 285 lbs.

Formation	Thickness, ft.
Drift	136
Top rock and soap	146
Grey lime	266
Sharp sand	140
Lime	112
Gypsum and lime	10
Dark-grey lime	327
Light-grey lime	55
Brown lime	20
Grey lime	10
Hard brown lime	21
Lime and shells	7
Brown lime and shells	17
Light-brown lime	5
Hard brown lime	13
Light-brown lime	5
Grey lime	10
Light-grey lime	13
Water sand	1
Total depth	1,314

Gas at 1,200 and 1,257 feet.
Fresh water at 135 feet; salt water at 680 and 1,313 feet.

Lambton County

SULLIVAN, BROWN AND CO., DETROIT, MICH.

Lot 23, con. XIII, Brooke tp.

Completed December 19, 1933.
Open flow: 15,000 cu. ft.
Oil yield: 25 bbls.

Formation	Thickness, ft.
Surface	62
Grey and brown shale	29
Top rock	49
Upper soap	160
Middle lime	19
Lower soap	29
Black streak	4
Big lime	124
Total depth	476

Gas at 185, 405, and 465 feet.

UNION GAS CO. OF CANADA, CHATHAM

Lot 25, con. II, Dawn tp.

Completed November 15, 1933.
Oil yield: 10 bbls. (est.).

Formation	Thickness, ft.
Surface	70
Huron shale	180
Hamilton shale and lime	227
Onondaga and Detroit River:	
brown lime	388
sharp (sand) lime	105
Brown and grey lime	85
Blue lime and gypsum and brown lime	305
Blue shale	45
Blue and brown lime	25
Salt	160
Brown lime	60
Black lime	50
Blue lime	35
Lime and salt	10
Salt	35
Black and grey lime	10
Brown lime	80
Black lime	10
Brown and grey lime	85
Total depth	1,865

Oil at 1,920, 1,925, and 1,955 feet.
Show of gas at 1,920 feet.
Fresh water at 70 feet; sulphur water at 535 and 560 feet.

UNION GAS CO. OF CANADA, CHATHAM

Lot 24, con. V, Dawn tp.

Completed November 24, 1933.
Open flow: 212,700 cu. ft.
Rock pressure: 800 lbs.

Formation	Thickness, ft.
Surface	70
Huron shale	205
Hamilton shale and lime	285
Onondaga and Detroit River:	
grey and brown lime	400
sharp (sand) lime	140
Grey and brown lime	105
Brown lime and gypsum	5
Blue lime and gypsum	5
Blue and brown lime	480
Blue shale	40
Blue and brown lime	110
Black lime	20
Grey and brown lime	70
Light-grey lime	62
Shale	34
Clinton	8
Red shale	2
Total depth	2,041

Gas at 1,614 and 1,875 feet.
Sulphur water at 700 feet; salt water at 1,645 feet.

UNION GAS CO. OF CANADA, CHATHAM

Lot 24, con. II, Dawn tp.

Completed January 25, 1933
Open flow: 1,328,700 cu. ft.
Rock pressure: 835 lbs.

Formation	Thickness. ft.
Surface	73
Huron shale	182
Hamilton shale and lime	225
Onondaga and Detroit River:	
brown lime	365
sharp (sand) lime	120
brown lime	110
Grey, brown, and blue lime	340
Blue lime	35
Salt	170
Brown lime	128
Salt	24
Brown lime	74
Grey lime	9
Brown lime	2
Grey and brown lime	79
Grey lime	119
Shale	5
Total depth	2,060

Gas at 1,645, 1,777, 1,855, and 1,880 feet.
Salt water at 1,658 feet.

UNION GAS CO. OF CANADA, CHATHAM

Lot 24, con. IX, Dawn tp.

Completed October 19, 1933.
Open flow: 1,199,500 cu. ft.

Formation	Thickness, ft.
Surface	67
Huron shale	100
Hamilton shale and lime	280
Onondaga and Detroit River:	
grey and brown lime	443
sharp (sand) lime	175
Brown and grey lime	105
Grey lime and gypsum	10
Grey and brown lime	25
Brown and grey lime and gypsum	25
Brown and grey lime	35
Blue lime and gypsum	55
Brown and grey lime	145
Blue shale and gypsum	35
Mixed lime and brown and grey lime	120
Blue shale and shells	20
(No information)	145
Brown and grey lime	185
Grey shale	47
Brown lime	7
Red shale	1
Total depth	2,025

Gas at 1,561, 1,713, and 1,850 feet.
Fresh water at 67 feet; sulphur water at 505 and 590 feet; salt water at 1,785 feet.

JAS. WADE AND D. E. WILLITS, BOTHWELL
Lot 25, con. IX, Enniskillen tp.

Completed June 10, 1933.
Dry hole.

Formation	Thickness, ft.
Surface clay	63
Shale	19
Top rock	33
Upper soapstone	170
Middle lime	15
Lower soapstone	38
Dark shell	2
Lower lime	125
Sand streak	5
Brown lime	10
Total depth	480

Fresh water at 82 feet.

NISBET AND MILLER, PETROLIA
Lot 15, con. XI, Enniskillen tp.

Completed August 19, 1933.
Oil yield: 1 barrel per day.

Formation	Thickness, ft.
Clay	50
Top rock	50
Grey shale	135
Limestone	15
Grey shale	45
Limestone	128
Oil sand	5
Sand rock	2
Total depth	430

Oil at 51, 245, and 423 feet.

J. F. MARSHANT, PETROLIA
Lot 31, con. VIII, Euphemia tp.

Completed May, 1933.

Formation	Thickness, ft.
Clay	69
Soap and hard shells	31
Soap	159
Middle lime	17
Soap	23
Onondaga	71
Oriskany	55
Brown lime	20
Total depth	445

UNION GAS CO. OF CANADA, CHATHAM
Lot 22, con. VI, Sombra tp.

Completed March 26, 1933.
Dry hole.

Formation	Thickness, ft.
Surface	68
Huron shale	204
Hamilton shale and lime	216
Onondaga and Detroit River:	
brown and some grey lime	332
sharp (sand) lime	130
brown lime	90
blue lime and gypsum	15
brown and blue lime	355
salt and shale	195
Brown and grey lime shale	140
Salt and lime shale	50
Brown and grey lime	55
Black and brown lime	30
Brown and grey lime	20
Black and black-grey lime	15
Brown and grey lime	132
Grey shale	28
Pink shale	35
Grey shale	105
Sharp grey lime	5
Grey shale	27
Red shale	5
Total depth	2,252

Show of gas at 1,935 feet.
Sulphur water at 565, 600, and 720 feet.

DEMARAY AND CARROTHERS, KERWOOD
Lot 2, con. VI, S.L.R., Warwick tp.

Completed February, 1933.
Dry hole.

Formation	Thickness ft.
Clay	50
Gravel	1
Black shale	15
Black shale and soapstone	60
Lime with soapstone	5
Lime	5
Soap	10
Lime	41
Upper soap	143
Middle lime	25
Lower soap	32
Lower lime	153
Total depth	540

Show of gas at 52 feet.
Fresh water at 52 feet; sulphur water at 525 feet.

Middlesex County

UNION GAS CO. OF CANADA, CHATHAM
Lot 8, range II, S.L.R., Ekfrid tp.

Completed September 11, 1933.
Dry hole.

Formation	Thickness, ft.
Surface	215
Hamilton	65
Onondaga and Detroit River:	
grey and brown lime	350
sharp (sand) lime	180
brown lime	110
gypsum	15
blue lime and gypsum	53
Blue, brown, and grey lime	627
Blue shale	40
Clinton	28
Shale	67
White Medina and shale	37
Grey shale	10
Red and grey shale	8
Red shale	6
Total depth	1,811

Show of gas and oil at 275 and 1,340 feet.
Fresh water at 145 and 210 feet; sulphur water at 345 and 700 feet; salt water at 1,450 feet.

FRANK MERCHANT, PETROLIA
Lot 13, con. II, Mosa tp.

Completed August, 1933.
Oil yield: 2 bbls. per day.

Formation	Thickness, ft.
Surface	100
Top soap	160
Middle lime	20
Lower soap	20
Big lime	85
Total depth	385

Oil at 315 to 335 feet.
Water and oil at 355 to 360 feet; oil at 375 to 385 feet.

F. J. CARMAN, NEW YORK, N.Y.
Lot 13, range 2, N.L.R., Mosa tp.

Completed December 2, 1933.
Dry hole.

Formation	Thickness, ft.
Surface (clay, hardpan, and gravel)	202
Soapstone	51
Middle lime and lower soap	35
Onondaga	102
Detroit River lime	61
Total depth	451

No water below 200 feet.

UNION GAS CO. OF CANADA, LTD.
Lot 24, con. I, Dawn tp.

Completed January 4, 1934.
Dry hole.

Formation	Thickness, ft.
Surface	75
Huron shale	175
Hamilton shale and lime	222
Brown lime	218
Grey and brown lime	155
Sharp brown and grey lime	115
Brown lime	70
Blue lime and gypsum	20
Brown lime	25
Blue lime and gypsum	95
Blue and brown lime	230
Salt and lime	40
Salt	185
Brown and blue lime	150
Salt	50
Brown lime	85
Black and grey, and black shale	50
Grey and blue lime	120
Rochester shale	29
Clinton	7
Red shale	4
Total depth	2,120

Fresh water at 72; salt water at 565, 2,037, 2,055 feet.

UNION GAS CO. OF CANADA, LTD.
Lot 25, con. IX, Dawn tp.

Completed December 14, 1934.
Dry hole.

Formation	Thickness, ft.
Surface	50
Huron shale	120
Hamilton shale and lime	255
Brown lime	115
Brown and grey lime	295
Brown and grey lime (sharp sand)	135
Brown lime	100
Brown lime and gypsum	15
Brown and blue lime	210
Brown and grey lime	105
Blue lime	15
Brown and grey lime	50
Salt and shells	85
Brown lime	135
Salt	30
Brown lime	140
Brown and grey lime	125
Rochester blue shale	38
Clinton	9
Shale	1
Total depth	2,028

Blow of gas at 1,730 to 1,740 feet.
Show of oil at 1,740 to 1,745 and 1,880 feet.
Sulphur water at 500 feet; salt water at 1,880 feet.

UNION GAS CO. OF CANADA, LTD.
Lot 25, con. XIII, Dawn tp.

Completed March 14, 1934.
Dry hole.

Formation	Thickness, ft.
Surface	56
Huron black shale	104
Hamilton lime and shale	225
Brown and grey lime	415
Sharp sand	135
Brown and grey lime	95
Blue lime and gypsum	15
Brown lime	15
Blue lime and gypsum	10
Brown and blue lime	315
Salt	145
Brown and blue lime	135
Brown lime, grey lime, and gypsum	10
Brown and blue lime	110
Grey and brown lime	145
Rochester blue shale	45
Clinton	8
Red shale	4
Total depth	1,987

Blow of gas at 1,673 to 1,683 feet.
Show of oil at 1,683 feet.
Black water at 405 feet; salt water at 1,683 to 1,688 and 1,740 feet.

UNION GAS CO. OF CANADA, LTD.
Lot 23, con. XI, Dawn tp.

Completed February 27, 1934.
Producing gas well.
Rock pressure: 550 lbs.

Formation	Thickness, ft.
Surface	103
Huron shale	157
Hamilton shale and lime	226
Brown lime	374
Sharp brown lime (sharp sand)	115
Brown lime	75
Blue lime and gypsum	10
Blue and brown lime	50
Blue lime and gypsum	50
Blue and brown lime	270
Salt and brown lime	20
Salt	140
Salt and brown lime	10
Blue and brown lime	160
Salt	40
Brown and black lime	130
Brown and grey lime	60
Grey lime	65
Rochester blue shale	5
Total depth	2,060

Gas at 1,640 to 1,654 and 1,804 to 1,830 feet.
Oil at 1,812 feet.
Sulphur water at 560 feet; salt water at 1,975 feet.

UNION GAS CO. OF CANADA, LTD.
Lot 24, con. VIII, Dawn tp.

Completed May 8, 1934.
Producing gas well.
Rock pressure: 540 lbs.

Formation	Thickness, ft.
Surface	60
Huron shale	85
Hamilton shale and lime	258
Grey and brown lime	427
Sharp grey lime	275
Brown lime	110
Brown lime, blue lime, and gypsum	10
Brown and blue lime	355
Brown lime	140
Salt	20
Brown, and brown and grey lime	170
Grey lime	67
Rochester shale	38
Clinton	5
Red shale	2
Total depth	2,022

Gas at 1,590 to 1,595 and 1,610 to 1,616 feet.
Show of oil at 1,745 feet.
Sulphur water at 570 feet.

UNION GAS CO. OF CANADA, LTD.
Lot 25, con. XI, Dawn tp.

Completed May 16, 1934.
Dry hole.

Formation	Thickness, ft.
Surface	73
Huron shale	157
Hamilton lime and shale	223
Brown and grey lime	367
Sharp brown and grey lime (sharp sand)	125
Brown and grey lime	130
Blue lime and gypsum	15
Blue lime	90
Grey and brown lime	100
Brown and blue lime	110
Salt and lime shells	175
Salt	15
Salt and lime shells	45
Brown, grey, and blue lime	155
Salt and lime shells	50
Grey, brown, and black lime	180
Grey and light-grey lime	65
Rochester shale	45
Clinton	8
Red shale	3
Total depth	2,131

Show of oil at 1,980 feet.
Fresh water at 73 feet; sulphur water at 510 feet; salt water at 1,990 and 2,070 feet.

UNION GAS CO. OF CANADA, LTD.
Lot 26, con. V, Euphemia tp.

Completed August 28, 1934.
Dry hole.

Formation	Thickness, ft.
Surface	40
Soap and lime	235
Grey and brown lime	80
Sharp grey lime	40
Brown lime	195
Brown lime, grey lime, and gypsum	50
Brown lime	20
Sharp grey lime	135
Brown and grey lime	45
Brown lime, blue lime, and gypsum	105
Blue and brown lime	290
Salt	10
Salt and lime	120
Salt	55
Brown and grey lime	105
Blue lime	5
Brown and grey lime	255
Grey lime	50
Blue shale	33
Clinton	7
Red shale	5
Total depth	1,880

Gas at 1,555 feet.
Fresh water at 60 feet; sulphur water at 440 feet; salt water at 1,695 feet.

W. J. HUSSEY AND SON
Lot 5, con. X, Moore tp.

Completed November 20, 1934.
Oil yield: 1½ bbls. per day.

Formation	Thickness, ft.
Surface	150
Top rock	50
Top soap	122
Middle lime	13
Lower soap	45
Lower lime	96
Total depth	476

Oil at 392 and 460 feet.
Fresh water at 145 feet; salt water at 334 feet.

F. L. PATTERSON AND ASSOCIATES
Lot 4, con. X, Moore tp.

Completed May 11, 1934.
Producing oil well.

Formation	Thickness, ft.
Surface	145
Hardpan	5
Top rock	62
Top soap	120
Middle lime	13
Lower soap	50
Lower lime	69
Total depth	464

Oil at 422 feet.
Fresh water at 476 feet.

F. L. PATTERSON AND ASSOCIATES
Lot 4, con. X, Moore tp.

Completed April 24, 1934.
Dry hole.

Formation	Thickness, ft.
Surface	152
Top rock	63
Top soap	115
Middle lime	12
Lower soap	43
Lower lime	72
Total depth	455

Show of oil at 395 and 419 feet.
Fresh water at 171 feet.

F. L. PATTERSON AND ASSOCIATES
Lot 4, con. IX, Moore tp.

Completed April 17, 1934.
Small oil well.

Formation	Thickness, ft.
Surface	145
Top rock	47
Top soap	133
Middle lime	12
Lower soap	45
Lower lime	392
Total depth	465

Oil at 392, 400, and 420 feet.
Fresh water at 172 feet.

BRITISH PETROLEUM CO., LTD.
Lot 22, con. IX, Plympton tp.

To October 28, 1933 (not completed).

Formation.	Thickness, ft.
Surface	92
Brown shale	57
Top rock	6
Soap and rock	130
Top soap	120
Middle lime	9
Lower soap	40
Big lime	226
Total depth	680

Very small show of gas at 465 feet.
Good showing of both oil and gas at 650 feet.
Fresh water at 90 feet; salt water at 650 feet.

UNION GAS CO. OF CANADA, LTD.
Lot 27, con. XIII, Sombra tp.

Completed July 7, 1934.
Dry hole.

Formation	Thickness, ft.
Surface	100
Huron shale	145
Hamilton lime and shale	230
Brown and grey lime	245
Brown lime and gypsum	50
Brown lime	25
Brown lime and gypsum	80
Sharp brown and grey lime	115
Brown lime	90
Blue lime, gypsum, and brown lime	35
Grey lime, blue lime, and gypsum	50
Blue and pink shale	65
Brown and blue lime	170
Brown lime and blue shale	65
Salt	10
Salt and lime shells	135
Salt	90
Brown and blue lime	140
Brown lime and salt	10
Salt	60
Brown and grey lime	258
Rochester shale	7
Total depth	2,175

Sulphur water at 575 and 590 feet; salt water at 2,035 and 2,150 feet.

Gubb & Russell

W.T. Weese No. 1. lot. 22 N½. Con III

Comp. Dec. 9th 1935 Dawn Tp

Dry Hole

Clay	62
Black Shale	298
Top Rock	55
Top Soap	130
Middle lime	13
Lower Soap	42
Onondaga	365
Hard Grey Lime	105
Hard Brown & Gray Lime	80
Total Depth	1,150

Fresh Water at 62 ft

Sulphur " " 725

GUBB AND RUSSELL

W. Weese No. 3, lot 22, con. III, Dawn tp.

Completed July 28, 1936.
Producing gas well.
Rock pressure: 600 lbs.

Formation	Thickness, ft.
Surface	65
Brown shale	290
Lime, and soap and shale	268
Brown lime	282
Grey lime	155
Brown lime	166
Grey and brown lime	56
Blue lime	153
Brown lime	58
Blue lime	80
Grey and brown lime	82
Brown lime	62
Grey lime and salt	88
Dark-grey lime	103
Grey lime	42
Total depth	1,950

Gas at 1,619 to 1,629 feet.
Show of oil at 1,950 feet.
Fresh water at 64 feet; sulphur water at 700, 800, and 1,140 feet; salt water at 1,950 feet.

GUBB AND RUSSELL

W. Weese No. 2, lot 22, con. III, Dawn tp.

Completed May 3, 1936.
Producing gas well.
Rock pressure: 620 lbs.

Formation	Thickness, ft.
Surface	63
Huron shale	302
Top rock	55
Upper soap	128
Middle lime	4
Lower soap	48
Onondaga	140
Brown lime	220
Sharp grey lime	130
Brown lime	90
Blue lime and gypsum	30
Brown and grey lime	33
Blue lime	112
Grey lime	130
Blue lime	95
Grey lime, and brown lime and salt	30
Salt	18
Brown and grey lime	62
Dark-brown lime	30
Total depth	1,720

Gas at 1,657 feet.
Fresh water at 62 feet; sulphur water at 705 feet; salt water at 1,674 and 1,685 to 1,690 feet.

JACK PERDUE

G. W. Barnes No. 1, lot 25, con. VII, Dawn tp.

Completed June 14, 1936.
Producing gas well.
Rock pressure: 450 lbs.

Formation	Thickness, ft.
Clay	70
Black shale	30
Brown shale	125
Soap and lime shell	75
Soap	142
Middle lime	33
Soap	35
Lime shell	7
Soap	4
Big lime	424
Sharp sand	145
Brown hard lime	110
Gypsum	35
Blue lime	110
Blue lime and brown shell	245
Brown lime	40
Blue lime and shale	95
Salt	15
Brown lime	10
Brown lime turning white	28
Total depth	1,778

Gas at 1,590 to 1,600, 1,632, and 1,669 to 1,672 feet.
Fresh water at 70 feet; black water at 670 feet.

SIMMONS AND KESSLER

A. Duddy No. 1, lot 22, con. II, Dawn tp.

Completed April 14, 1936.
Producing gas well.
Rock pressure: 220 lbs.

Formation	Thickness, ft.
Surface	60
Hard shale	290
Top rock	55
Upper soap	130
Middle lime	13
Lower soap	47
Onondaga	140
Brown lime	215
Sharp grey lime	135
Brown lime	215
Sharp grey lime	135
Brown lime	90
Blue and grey lime	30
Brown and grey lime	33
Blue lime	102
Blue and brown lime	107
Grey and blue lime	68
Blue and brown lime	55
Salt	55
Brown, and blue and grey lime	145
Salt	5
Brown lime	89
Brown and brown lime	9
Brown and grey lime	10
Grey and white lime	37
Brown and grey lime	22
White lime	5
Grey lime	58
Total depth	2,005

Gas at 1,890, 1,915, and 1,920 feet.
Sulphur water at 700 feet.

UNION GAS CO. OF CANADA, LTD.

S. C. Crossman No. 1, lot 23, con. I, Dawn tp.

Completed July 17, 1936.
Dry hole.

Formation	Thickness, ft.
Surface	63
Black shale	235
Lime and shale	232
Grey lime	35
Brown lime	180
Brown and grey lime	140
Sharp lime	150
Brown and grey lime	105
Brown and blue lime and gypsum	10
Blue lime	105
Brown and blue lime	40
Brown lime	70
Blue, and brown and blue lime	115
Salt, and salt and lime shell	140
Brown lime	143
Salt, and salt and lime shell	47
Brown lime	85
Blue and brown lime	30
Blue lime and gypsum	5
Brown, and brown and grey lime	65
Grey lime	65
Grey shale	35
Clinton	5
Red Medina	2
Total depth	2,102

Show of gas and oil at 1,942 feet.
Fresh water at 65 feet; sulphur water at 640 feet.

UNION GAS CO. OF CANADA, LTD.

S. C. Crossman No. 2, lot 23, E.½, con. I, Dawn tp.

Completed December 5, 1936.
Dry hole.

Formation	Thickness, ft.
Surface	74
Brown shale	181
Lime and shale	225
Brown lime	315
Brown and grey lime	55
Sharp brown and grey lime	125
Brown lime	75
Grey lime and gypsum	15
Brown lime	20
Brown and grey lime and gypsum	20
Brown lime	5
Blue lime and gypsum	5
Blue lime	90
Brown and blue lime	220
Salt and lime	25
Salt	180
Brown and brown-grey lime	85
Blue lime	60
Salt	55
Brown lime	90
Grey and brown lime	60
Grey lime	90
Total depth	2,070

Show of oil at 1,970 feet.
Fresh water at 74 feet; sulphur water at 580 feet; salt water at 1,900 and 2,064 feet.

UNION GAS CO. OF CANADA, LTD.

G. C. Evans No. 1, lot 25, con. II, Dawn tp.

Completed October 27, 1936.
Producing gas well.
Rock pressure: 795 lbs.

Formation	Thickness, ft.
Surface	75
Brown and black shale	175
Lime and shale	223
Brown lime	367
Sharp grey lime	110
Brown lime	100
Brown, and brown and blue lime	25
Brown lime and gypsum	20
Brown, and brown and blue lime	15
Brown, and blue lime and gypsum	15
Blue, and brown and blue lime	145
Brown lime	55
Brown and blue lime	95
Salt and lime	110
Brown lime	45
Brown and grey lime	75
Brown lime	33
Total depth	1,683

Gas at 1,400, 1,532, 1,538, 1,645, 1,653, 1,664, 1,666, 1,669, 1,672, 1,674, 1,676, 1,680, 1,681, and 1,683 feet.
Show of gas at 1,315 and 1,595 feet.
Sulphur water at 595 feet.

UNION GAS CO. OF CANADA, LTD.

G. C. Evans No. 3, lot 25, N.E.¼, con. II, Dawn tp.

Completed December 12, 1936.
Producing oil well.

Formation	Thickness, ft.
Surface	72
Brown shale	163
Lime and shale	225
Brown lime	370
Sharp brown and grey lime	105
Brown lime	90
Brown and blue lime and gypsum	20
Brown lime	25
Brown and blue lime and gypsum	10
Brown and blue lime	339
Salt and lime shell	91
Salt and lime	85
Salt	10
Brown lime	150
Salt	60
Brown lime	110
Brown and grey lime	75
Grey lime	50
Total depth	2,050

Gas at 1,877 feet; show of gas at 1,418 and 1,955 feet.
Oil at 1,955 feet.

UNION GAS CO. OF CANADA, LTD.

Wm. Phair No. 1, lot 24, N.E.¼, con. I, Dawn tp.

Completed August 29, 1936.
Dry hole.

Formation	Thickness, ft.
Surface	70
Black and brown shale	179
Lime and shale	216
Brown lime	225
Brown and grey-brown lime	140
Sharp brown and grey lime	110
Brown lime	145
Blue lime and gypsum	10
Blue, and blue and brown lime	115
Brown lime	40
Brown, and blue and brown lime	150
Salt, and salt and lime	230
Brown, and brown and blue lime	45
Blue lime	95
Salt	55
Brown lime	65
Grey and brown lime	115
Light-blue lime	70
Grey shale	5
Total depth	2,080

Show of gas at 1,825 and 1,830 feet.
Fresh water at 70 feet; sulphur water at 565 feet; salt water at 2,065 feet.

UNION GAS CO. OF CANADA, LTD.

F. D. Sands No. 1, lot 25, W.½, con. II, Dawn tp

Completed October 21, 1936.
Dry hole.

Formation	Thickness, ft.
Surface	69
Black shale	176
Lime and shale	215
Brown lime	215
Brown and grey lime	35
Brown lime	125
Sharp brown and grey lime	100
Brown, and brown and grey lime	95
Brown lime and gypsum	25
Brown lime	25
Brown lime and gypsum	20
Blue, and brown and blue lime	305
Salt	210
Brown and blue lime	150
Salt	55
Brown, and brown and grey lime	155
Grey lime	93
Blue shale	6
Total depth	2,074

Show of gas at 1,960 to 1,965 feet.
Fresh water at 69 feet; sulphur water at 560 feet; salt water at 1,960 to 1,965 feet.

UNION GAS CO. OF CANADA, LTD.

A. Stevens No. 1, lot 22, con. I, Dawn tp.

Completed November 18, 1936.
Dry hole.

Formation	Thickness, ft.
Surface	58
Shale	248
Top rock	81
Top soap	122
Middle lime	16
Lower soap	28
Black streak	2
Lower lime	15
Total depth	570

Fresh water at 58 and 95 feet.

UNION GAS CO. OF CANADA, LTD.

Tyler No. 1, lot 25, con. XI, Dawn tp.

Completed June 25, 1936.
Producing gas well.
Rock pressure: 580 lbs.

Formation	Thickness, ft.
Surface	42
Huron brown shale	133
Hamilton lime and shale	265
Grey lime	150
Brown lime	125
Grey lime	25
Brown lime	110
Sharp grey lime	235
Brown and grey lime	100
Brown and blue lime	60
Blue lime	85
Brown, and brown and blue lime	130
Grey, and blue and brown lime	70
Grey and brown lime	185
Brown lime	70
White lime	20
Brown lime	35
Total depth	1,840

Gas at 1,565 to 1,570 feet.
Sulphur water at 500 feet; salt water at 1,805 feet.

UNION GAS CO. OF CANADA, LTD.

M. and G. Woods No. 1, lot 24, con. III, Dawn tp.

Completed September 5, 1936.
Producing oil well.

Formation	Thickness, ft.
Surface	72
Black and brown shale	183
Lime and shale	230
Brown lime	365
Sharp lime	120
Brown lime	135
Brown and grey lime and gypsum	20
Brown and blue lime	80
Brown lime	55
Brown and blue lime	175
Salt and shell	145
Brown lime	95
Brown and blue lime	50
Brown lime	20
Brown, and brown and grey lime	70
Grey lime	35
Total depth	2,020

Oil at 1,940 to 1,950 feet; show of oil at 1,820 feet.
Gas at 1,820 feet; show of gas at 1,936 and 1,941 feet.

M. COLLINS

M. Collins No. 1, lot 13, con. XI, Enniskillen tp.

Completed July 20, 1936.
Small producing oil well.

Formation	Thickness, ft.
Surface	98
Top rock	40
Top soap	120
Middle lime	20
Lower soap	40
Lower lime	155
Total depth	473

Oil at 473 feet.
Fresh water at 103 and 115 feet; salt water at 473 feet.

F. H. EDWARD

F. H. Edward No. 104, lot 11, con. XII, Enniskillen tp.

Completed April 23, 1936.
Small producing oil well.

Formation	Thickness, ft.
Surface	93
Top rock	40
Top soap	147
Middle lime	12
Lower soap	43
Lower lime	153
Total depth	480

Oil at 460 feet.
Fresh water at 110 feet; salt water at 476 feet.

CHARLES EGAN

C. Egan No. 1, lot 14, con. XI, Enniskillen tp.

Completed May 18, 1936.
Producing oil well.

Formation	Thickness, ft.
Surface	65
Top rock	50
Upper soap	140
Middle lime	20
Lower soap	40
Lower lime	128
Total depth	443

Oil at 425 feet.
Fresh water at 90 feet.

ERNEST KELLS

E. Kells No. 1, lot 12, con. XI, Enniskillen tp.

Completed June 30, 1936.
Small producing oil well.

Formation	Thickness, ft.
Clay	91
Hardpan	2
Limestone	31
Shale	6
Limestone	12
Shale	121
Limestone	15
Shale	47
Limestone	140
Total depth	465

Oil at 435 and 460 feet.
Fresh water at 93 feet.

MacIntosh Oil and Gas Co., Ltd.

F. R. MacIntosh No. 1, lot 14, con. X, Enniskillen tp.

Completed December 5, 1936.
Small producing oil well.

Formation	Thickness, ft.
Surface	52
Top rock	45
Top soap	138
Middle lime	18
Lower soap	42
Lime	140
Total depth	435

Oil at 425 to 430 feet.
Fresh water at 58 feet.

Petrolia Drilling Company

G. Willert No. 1, lot 14, con. X, Enniskillen tp.

Completed December 23, 1936.
Small producing oil well.

Formation	Thickness, ft.
Surface	90
Hardpan	3
Top rock	40
Top soap	143
Middle lime	17
Lower soap	40
Lime	134
Total depth	467

Oil at 450 to 457 feet.
Fresh water at 94 feet.

H. P. Rose

H. P. Rose No. 1, lot 14, con. XI, Enniskillen tp.

Completed December 15, 1936.
Small producing oil well.

Formation	Thickness, ft.
Surface	65
Top rock	50
Top soap	140
Middle lime	25
Lower soap	40
Lower lime	100
Oil sand	15
Pocket	20
Total depth	455

Oil at 428 feet.
Fresh water at 75 feet.

Bryson and Cole

A. Levitt, No. 1, lot 8, con. II, Plympton tp.

Completed March 13, 1936.
Dry hole.

Formation	Thickness, ft.
Surface	182
Boulders	20
Lime	60
Shale	133
Lime	13
Shale	42
Grey lime	65
Light-brown lime	58
Brown lime	12
Oil sand	8
Hard streak lime	2
Water sand	5
Lime	20
Hard brown lime	15
Total depth	635

Show of oil at 515 feet.
Show of gas at 573 feet.
Fresh water at 200 feet; sulphur water at 595 feet.

Union Gas Co. of Canada, Ltd.

Green No. 1, lot 30, S.½, con. V, Sombra tp.

Completed November 24, 1936.
Dry hole.

Formation	Thickness, ft.
Surface	52
Huron shale	223
Hamilton	200
Brown and grey lime	325
Sharp grey lime	10
Brown and grey lime	95
Brown lime	305
Blue and brown lime	15
Blue lime	120
Blue and brown lime	50
Grey and blue lime	15
Brown, and blue and grey lime	170
Brown lime	120
Grey, and brown and grey lime	10
Brown lime	85
Grey and brown lime	85
Grey lime	95
Rochester blue shale	25
Clinton	5
Cabot Head shale	37
Total depth	2,042

Fresh water at 47 feet; sulphur water at 535 feet; salt water at 1,835 feet.

Lincoln County

Lincoln Gas Co., Ltd.

E. Hartnett No. 1, lot 2, S.W.¼, con. II, Gainsborough tp.

Completed February 29, 1936.
Producing gas well.
Rock pressure: 120 lbs.

Formation	Thickness, ft.
Surface	91
Lime	20
Niagara	205
Shale	47
Clinton	27
Red Medina	37
Shale	53
White Medina	12
Shale	20
Total depth	522

Gas at 480 to 492 feet.

Lincoln Gas Co., Ltd.

E. Hartnett No. 2, lot 2, S.W.¼, con. II, Gainsborough tp.

Completed June 6, 1936.
Producing gas well.
Rock pressure: 115 lbs.

Formation	Thickness, ft.
Surface	89
Lime	18
Niagara	206
Shale	48
Clinton	32
Red Medina	38
Shale	53
White Medina	11
Total depth	495

Gas at 484 to 495 feet.

SULLIVAN AND WILSON

M. McLachlan No. 3, lot 22, con. XIII, Brooke tp.
Completed July 15, 1937.
Dry hole.

Formation	Thickness, ft.
Surface clay	66
Black gravel	3
Black shale	25
Top rock	77
Soap	104
Lime streak	5
Soap	20
Middle lime	25
Lower soap	21
Delaware	11
Lower lime	112
Total depth	470

Fresh water at 70 feet; salt water at 465 feet.

BERT WILSON

A. Gilliand No. 1, lot 22, con. XIII, Brooke tp.
Completed April 15, 1937.
Dry hole.

Formation	Thickness, ft.
Surface	64
Black shale	22
Lime	84
Soap	118
Lime	7
Soap	15
Lime	32
Soap	24
Dark lime	8
Lime	101
Total depth	475

Fresh water at 60 feet; salt water at 470 feet.

UNION GAS CO. OF CANADA, LTD.

Fleming No. 1, lot 13, N. ½, con. II, Dawn tp.
Completed February 10, 1937.
Dry hole.

Formation	Thickness, ft.
Surface	55
Brown shale	200
Lime and shale	210
Grey lime	320
Brown lime	45
Sharp grey and brown lime	115
Brown and grey lime	130
Brown lime and gypsum	10
Blue lime	85
Blue and brown lime	25
Brown and grey lime	115
Brown, and blue and brown lime	90
Salt and lime	35
Salt	135
Grey and brown lime	140
Salt	30
Brown lime	115
Grey and brown lime	35
Grey lime	100
Blue shale	12
Total depth	2,002

Fresh water at 54 feet; sulphur water at 520 feet; salt water at 1,880 feet.

UNION GAS CO. OF CANADA, LTD.

Hornick No. 1, lot 12, con. VIII, Dawn tp.
Completed August 3, 1937.
Dry hole.

Formation	Thickness, ft.
Surface	32
Brown shale	163
Lime and shale	200
Brown lime	75
Grey lime	280
Sharp grey lime	130
Brown lime	5
Grey lime and gypsum	10
Brown, grey, and blue lime	105
Brown and blue lime and gypsum	50
Blue lime	55
Brown, blue, and grey lime	215
Salt and lime shell	35
Salt	70
Salt and lime shell	15
Salt	30
Brown lime	20
Salt	15
Brown and blue lime	45
Grey lime	225
Total depth	1,775

Fresh water at 32 feet; sulphur water at 480 and 515 feet; salt water at 1,765 and 1,775 feet.

UNION GAS CO. OF CANADA, LTD.

Johnston No. 1, lot 11, con. VIII, Dawn tp.
Completed May 11, 1937.
Dry hole.

Formation	Thickness, ft.
Surface	33
Brown shale	192
Lime and shale	230
Grey and brown lime	70
Sharp grey lime	50
Brown lime	250
Sharp grey and brown lime	150
Brown lime	105
Grey and brown lime and gypsum	25
Blue lime	85
Brown lime	125
Blue, and blue and brown lime	110
Salt and brown lime	45
Brown lime	45
Grey lime	85
Grey and brown lime	135
Brown lime	75
Grey lime	65
Blue shale	5
Total depth	1,880

Small flow of gas at 1,604 feet.
Fresh water at 33 feet; salt water at 1,615, 1,735, and 1,860 feet.

UNION GAS CO. OF CANADA, LTD.
McKinnon No. 1, lot 24, con. IV, Dawn tp.
Completed January 25, 1937.
Dry hole.

Formation	Thickness, ft.
Surface	75
Brown shale	220
Lime and shale	263
Brown lime	312
Brown and grey lime	60
Sharp brown and grey lime	130
Brown lime	75
Brown and grey lime and gypsum	20
Grey lime	20
Grey and blue lime and gypsum	25
Brown, blue, and grey lime	35
Blue lime	80
Brown and blue lime	60
Brown and grey lime	80
Blue lime	60
Brown lime	35
Salt	40
Salt and brown lime	20
Brown, and brown and grey lime	130
Salt	41
Brown lime	184
Grey lime	75
Blue shale	2
Total depth	1,942

Show of gas at 1,928 to 1,933 feet.
Sulphur water at 670 feet.

B. D. BORNMAN
T. Hastings No. 1, lot 29, E.½, con. IX, Enniskillen tp.
Completed January 22, 1937.
Dry hole.

Formation	Thickness, ft.
Surface	57
Black shale	52
Top rock	71
Top soap	134
Middle lime	21
Lower soap	36
Lower lime	54
Light- and dark-brown lime	345
Cherty lime	180
Brown lime	30
Shale	5
Brown lime	20
Slaty shale	5
Brown lime	30
Grey lime and gypsum	10
Grey lime	10
Brown lime	35
Hard shale	10
Grey lime	90
Brown lime	35
Brown and grey lime	45
Salt	3
Brown lime	47
Salt	14
Brown lime	6
Salt	15
Brown lime	5
Soft shale	55
Shale and lime streaks	20
Salt	35
Brown lime	5
Salt and lime streaks	175
Brown lime	150
Shale	15
Brown lime	10
Salt	55
Grey lime	5
Brown and grey lime	130
Grey lime	5
Total depth	2,025

Show of oil at 373, 415 to 420, and 428 to 433 feet.
Fresh water at 57 and 115 feet; salt water at 480 feet.

B. D. BORNMAN
W. Rundle No. 1, lot 29, E.½, con VIII, Enniskillen tp.
Completed January 28, 1937.
Producing oil well.

Formation	Thickness, ft.
Surface	55
Black shale	57
Grey lime	4
Lime and soap	54
Soap	149
Middle lime	17
Soap	30
Soft lime	6
Hard lime	65
Total depth	437

Oil at 385 and 428 to 431 feet.
Fresh water at 55 feet.

B. D. BORNMAN
W. Rundle No. 2, lot 29, E.½, con. VIII, Enniskillen tp.
Completed March 1, 1937.
Dry hole.

Formation	Thickness, ft.
Surface	56
Black shale	59
Lime and soap	57
Soap	149
Middle lime	19
Soap	28
Dark-grey lime	6
Hard grey lime	96
Total depth	470

Fresh water at 56 feet.

UNION GAS CO. OF CANADA, LTD.
O. H. Paul, Co. well No. 106 Dawn, lot 11, con. XII, Dawn tp.
Completed June 23, 1941.
Dry hole.

Formation	Thickness, ft.
Surface	30
Black shale	65
Brown shale	67
Soap	12
Top rock	58
Soap	100
Soap and shell	39
Middle lime	18
Soap	24
Brown and grey lime	95
Sharp grey lime	36
Brown lime	96
Brown and blue lime and gypsum	21
Brown and grey lime	79
Sharp brown and grey lime	203
Brown and grey lime	108
Blue and brown lime and gypsum	41
Brown and blue lime	30
Blue shale	81
Blue and brown lime	162
Blue shale	57
Blue and brown lime	42
Brown lime	54
Brown and blue lime	61
Brown and grey lime	51
Brown and black lime	26
Black lime	46
Brown and grey lime	55
Total depth	1,757

Show of gas at 205 feet.
Fresh water at 35 feet; sulphur water at 526 feet; salt water at 1,585 to 1,591 feet.

Lower soap	42
Lower lime	150
Total depth	475

Oil at 440 and 465 feet.
Fresh water at 110 feet; salt water at 475 to 480 feet.

REVEREND FATHER MCHUGH

Reverend McHugh No. 1, lot 6 A, S.T.R., Zone tp.
Completed May 20, 1938.
Dry hole.

Formation	Thickness, ft.
Surface	70
Hardpan	53
Gravel	38
Hardpan	14
Top soap	66
Middle lime	8
Lower soap	28
Lower lime	133
Total depth	410

Fresh water at 12 feet.

MARTIN AND GIBSON

R. NEWBERRY ET AL.

[illegible] Brothers No. 1, lot 17, E.½, con. XIII, Dawn tp.
[illegible]ted July 19, 1939.
[illegible]ole.

Formation	Thickness, ft.
Surface	30
Top rock	51
Soap	134
Middle lime	13
Lower soap	22
Dark streak	6
Lower lime, grey	21
Total depth	277

Fresh water at 30 feet; salt water at 291 and 371 feet.

JACK PERDUE

E. Fowler No. 1, lot 33, S.W.¼, con. X, Dawn tp.
Completed July 18, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	100
Top rock	65
Top soap	135
Middle lime	15
Lower soap	30
Lime	90
Total depth	435

Show of oil at 350 feet.
Fresh water at 65 and 105 feet.

UNION GAS CO. OF CANADA, LTD.

J. J. and M. E. Dawson No. 1, lot 20, con. I, Dawn tp.
Completed January 6, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	65
Brown shale	215
Top rock	65
Soap	110
Middle lime	20
Soap	35
Grey lime	160
Brown and grey lime	230
Grey lime	320
Brown and blue lime	41
Brown lime	26
Brown and blue lime	123
Brown lime	35
Brown and blue lime	100
Blue lime	30
Brown and blue lime	52
Brown lime	73
Brown and blue lime	60
Brown and grey lime	15
Grey lime	256
Grey shale	4
Total depth	2,035

Gas at 1,640 to 1,646 feet.
Fresh water at 65 feet; sulphur water at 605 feet; salt water at 1,905 feet.

UNION GAS CO. OF CANADA, LTD.

J. and G. Stinson No. 1, lot 11, S.¾ of E.½, con. VI, Dawn tp.
Completed July 28, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	55
Soap and brown shale	235
Top rock	50
Soap	110
Middle lime	15
Soap	35
Dark-grey lime	5
Light-grey lime	40
Grey lime	495
Brown lime	60
Brown and blue lime	70
Blue lime	85
Brown and blue lime	60
Brown lime	65
Brown and blue lime	115
Brown lime	75
Brown and blue lime	55
Brown lime	110
Grey lime	25
Brown lime	75
Grey lime	56
Total depth	1,891

Sulphur water at 590 and 630 feet; salt water at 1,650 to 1,655, 1,750, and 1,885 to 1,891 feet.

[illegible]	45
Gravel and sand	138
Lower lime	186
Total depth	387

Oil at 230 and 370 feet.
Fresh water at 18 and 63 feet; salt water at 230 and 360 feet.

Lambton County

W. BURBANK

L. Mater No. 1, lot 28, W.½, con. XI, Dawn tp.
Completed November 9, 1938.
Dry hole.

Formation	Thickness, ft.
Surface	102
Top rock	61
Upper soap	131
Middle lime	16
Lower soap	21
Black streak	7
Lower lime	137
Total depth	475

Fresh water at 58 feet; black water at 470 feet.

LITTLE KLONDYKE GAS AND OIL SYNDICATE

R. Currie No. 1, lot 19, con. XIII, Dawn tp.
Completed September 28, 1938.
Small producing oil well.

Formation	Thickness, ft.
Surface	29
Top rock	16
Soap	135
Middle lime	12
Lower soap	23
Big lime	111
Total depth	326

Oil at 314 feet.
Fresh water at 35 feet.

LITTLE KLONDYKE GAS AND OIL SYNDICATE

McClintock No. 1, lot 19, con. XII, Dawn tp.

Completed October 12, 1938.
Small producing oil well.

Formation	Thickness, ft.
Surface	35
Top rock	19
Soap	133
Middle lime	14
Lower soap	24
Big lime	125
Total depth	350

Oil at 319 feet.
Fresh water at 40 feet.

LITTLE KLONDYKE GAS AND OIL SYNDICATE

H. D. McLennan No. 1, lot 18, W.½, con. XIII, Dawn tp.

Completed September 10, 1938.
Producing oil well.

Formation	Thickness, ft.
Surface	20
Ipperwash lime	9
Hardpan	6
Upper soap with beds of lime	137
Middle lime	8
Lower soap	25
Big lime	106
Water lime	6
Total depth	327

Oil at 250 to 255, 261 to 262, and 310 to 321 feet.
Sulphur water at 25 feet.

UNION GAS CO. OF CANADA, LTD.

E. Hartwick No. 1, lot 25, S.W.¼, con. XII, Dawn tp.

Completed November 10, 1938.
Dry hole.

nation	Thickness, ft.
Su	45
n shale	95
and shale	247
and brown lime	63
lime	100
wn lime	255
p grey lime	300
wn lime	90
own and blue lime	145
rown lime	40
Brown and blue lime	15
Brown lime	60
Brown and blue lime	100
Brown lime	75
Blue and brown lime	55
Grey lime	20
Brown lime	80
Grey lime	40
Brown lime	65
Grey lime	6
Total depth	1,896

Small amount of gas at 1,695 to 1,700 feet.
Show of oil at 1,710 feet.
Fresh water at 45 feet; sulphur water at 430 feet; salt water at 1,675 and 1,840 feet.

UNION GAS CO. OF CANADA, LTD.

Mrs. J. McKinnon No. 1, lot 24, E.½, con. IV, Dawn tp.

Completed September 17, 1938.
Dry hole.

Formation	Thickness, ft.
Surface	80
Black shale	180
Lime and shale	310
Grey lime	140
Brown and grey lime	40
Brown lime	225
Grey lime	40
Sharp grey lime	105
Brown lime	100
Brown and blue lime	45
Blue lime	30
Blue and brown lime	15
Blue lime	80
Brown and blue lime	135
Blue lime	50
Brown and blue lime	50
Brown lime	86
Brown, blue, and grey lime	49
Brown lime	117
Grey and brown lime	45
Grey lime	16
Total depth	1,938

Show of gas at 1,424 to 1,430, 1,461 to 1,466, and 1,635 to 1,660 feet.
Show of oil at 1,635 to 1,660 feet.
Fresh water at 70 feet; sulphur water at 625 and 660 feet; salt water at 1,500 feet.

UNION GAS CO. OF CANADA, LTD.

H. and T. Mawlam No. 1, lot 23, E.½, con. XIV, Dawn tp.

Completed July 18, 1938.
Dry hole.

Formation	Thickness, ft.
Surface	42
Brown shale	73
Lime and shale	250
Brown and grey lime	130
Sharp lime	30
Brown lime	280
Grey and brown lime	10
Sharp grey lime	195
Brown lime	90
Brown, blue, and grey lime	75
Blue lime	80
Brown and blue lime	140
Blue lime	40
Brown and blue lime	53
Salt	32
Brown and grey lime	95
Blue and grey lime	25
Brown lime	85
Grey lime	20
Brown lime	125
Grey lime	45
Grey shale	7
Total depth	1,922

Show of gas at 1,647 feet.
Sulphur water at 470 and 495 feet; salt water at 1,675 feet.

PERDUE BROS.

A. Lassaline No. 1, lot 34, con. X, Dawn tp.

Completed March 15, 1940.
Dry hole.

Formation	Thickness, ft.
Surface	75
Huron shale	35
Top rock	65
Upper soap	135
Middle lime	15
Lower soap	22
Big lime	91
Total depth	443

Fresh water at 72 feet; salt water at 440 feet.

UNION GAS CO. OF CANADA, LTD.

O. H. Paul, Co. well No. 106 Dawn, lot 11, con. XII, Dawn tp.

Completed June 23, 1941.
Dry hole.

Formation	Thickness, ft.
Surface	30
Black shale	65
Brown shale	67
Soap	12
Top rock	58
Soap	100
Soap and shell	39
Middle lime	18
Soap	24
Brown and grey lime	95
Sharp grey lime	36
Brown lime	96
Brown and blue lime and gypsum	21
Brown and grey lime	79
Sharp brown and grey lime	203
Brown and grey lime	108
Blue and brown lime and gypsum	41
Brown and blue lime	30
Blue shale	81
Blue and brown lime	162
Blue shale	57
Blue and brown lime	42
Brown lime	54
Brown and blue lime	61
Brown and grey lime	51
Brown and black lime	26
Black lime	46
Brown and grey lime	55
Total depth	1,757

Show of gas at 205 feet.
Fresh water at 35 feet; sulphur water at 526 feet; salt water at 1,585 to 1,591 feet.

UNION GAS CO. OF CANADA, LTD.

F. H. Coneybeare, Co. well No. 114, Dawn, lot 24, con. V, Dawn tp.

Completed October 16, 1942.
Producing gas well.
Rock pressure: 755 lbs.

Formation	Thickness, ft.
Surface	72
Black shale	176
Top rock	72
Soap	127
Middle lime	24
Soap and lime shell	47
Brown lime	139
Sharp brown lime	24
Brown lime	254
Sharp brown and grey lime	160
Brown lime	101
Brown and blue lime and gypsum	27
Brown lime	25
Brown and blue lime	105
Brown lime	55
Brown and blue lime	76
Brown and blue lime and gypsum	6
Brown and blue lime	54
Brown and blue lime and gypsum	6
Brown, blue, and grey lime	49
Brown lime	67
Brown and grey lime	84
Brown lime	58
Brown and grey lime	44
Brown lime	47
Brown and grey lime	34
Grey lime	24
Total depth	1,957

Gas at 1,610 to 1,626 and 1,632 to 1,638 feet; show of gas from 1,883 to 1,900 feet.
Fresh water at 72 feet; sulphur water at 530 to 535 feet; salt water at 1,644 to 1,650 feet.

UNION GAS CO. OF CANADA, LTD.

J. McLachlin, Co. well No. 115, Dawn, lot 25, con. V, Dawn tp.

Completed December 4, 1942.
Producing gas well.
Rock pressure: 750 lbs.

Formation	Thickness, ft.
Surface	71
Black shale	219
Top rock	71
Soap and lime shell	135
Middle lime	19
Soap and lime shell	36
Brown lime	389
Sharp brown and grey lime	150
Brown lime	82
Brown and grey lime and gypsum	23
Brown lime	28
Blue lime and gypsum	18
Blue and grey lime and gypsum	65
Brown and grey lime	56
Brown lime	54
Brown and blue lime	42
Brown lime	30
Brown and grey lime	18
Blue and grey lime	40
Grey and brown lime	58
Brown lime	88
Brown and grey lime	52
Brown lime and salt	6
Salt	32
Brown lime	35
Total depth	1,797

Gas at 1,758 to 1,764 feet.
Fresh water at 76 feet; salt water at 1,770 to 1,775 feet.

UNION GAS CO. OF CANADA, LTD.

Mrs. M. Stevens, Co. well No. 111, Dawn, lot 22, con. II, Dawn tp.

Completed August 5, 1942.
Producing gas well.
Rock pressure: 875 lbs.

Formation	Thickness, ft.
Surface	70
Black shale	305
Soap	164
Middle lime	10
Soap	31
Brown lime	400
Sharp sand	133
Brown lime	97
Brown and grey lime	50
Shale and gypsum	112
Brown lime	115
Shale	103
Lime and salt	42
Brown lime	55
Grey lime	80
Salt	30
Brown and grey lime	120
Guelph	67
White water sand	2
Total depth	1,986

Show of gas at 1,655 and 1,917 feet; gas at 1,925 to 1,928 feet.
Fresh water at 67 feet; sulphur water at 680 salt water at 1,670 and 1,984 to 1,986 feet.

UNION GAS CO. OF CANADA, LTD.

Mrs. M. Stevens, Co. well No. 110, Dawn, lot 22 con. I, Dawn tp.

Completed June 16, 1942.
Producing gas well.
Rock pressure: 900 lbs.

Formation	Thickness, ft.
Surface	62
Black shale	294
Soap	164
Lime	10
Soap	32
Brown lime	413
Sharp sand	125
Brown lime	119
Grey lime and gypsum	14
Shale and gypsum	114
Lime and gypsum	10
Brown lime	98
Shale	112
Salt	42
Brown lime	71
Shale and lime	62
Shale	13
Salt	40
Grey lime	91
Brown lime	37
Guelph	42
Total depth	1,965

Show of gas at 1,525 feet; gas at 1,908 to 1,920 feet.
Fresh water at 65 and 80 feet; sulphur water at

UNION GAS CO. OF CANADA, LTD.

J. Jennings, Co. well No. 113, Dawn, lot 22, con. I, Dawn tp.

Completed October 1, 1942.
Producing gas well.
Rock pressure: 735 lbs.

Formation	Thickness, ft.
Surface	65
Black shale	249
Top rock	84
Soap	67
Soap and shell	99
Soap	26
Brown and grey lime	170
Brown lime and gypsum	62
Brown lime	156
Sharp brown and grey lime	147
Grey and brown lime	76
Brown and blue lime and gypsum	10
Brown and blue lime	79
Blue lime	73
Brown and grey lime	157
Blue lime	55
Blue, grey, and brown lime	83
Dark grey lime	94
Salt	47
Brown and grey lime	161
Total depth	1,960

Show of oil and gas at 1,799 to 1,805 feet.
Gas at 1,914 to 1,919 feet.
Fresh water at 60 feet; sulphur water at 630 feet.

UNION GAS CO. OF CANADA, LTD.

F. H. and F. J. Coneybeare, Co. well No. 116, Dawn, lot 24, con. VI, Dawn tp.

Completed January 19, 1943.
Producing gas well.
Rock pressure: 645 lbs.

Formation	Thickness, ft.
Surface	75
Black shale	170
Top rock	72
Soap and lime shell	163
Middle lime	18
Soap and lime shell	49
Brown lime	161
Sharp brown and grey lime	24
Brown lime	212
Sharp brown and grey lime	171
Brown lime	96
Brown and blue lime and gypsum	25
Brown lime	24
Brown and grey lime	56
Grey and blue lime and gypsum	29
Brown, grey, and blue lime	147
Brown and grey lime and gypsum	31
Grey and blue lime	30
Brown and grey lime	48
Brown lime	46
Total depth	1,647

Gas at 1,610 to 1,619 and 1,629 to 1,642 feet.
Show of oil at 1,644 to 1,647 feet.
Fresh water at 75 feet; salt water at 606 and 1,644 to 1,647 feet.

UNION GAS CO. OF CANADA, LTD.

F. H. and F. J. Coneybeare, Co. well No. 120, Dawn, lot 24, con. VI, Dawn tp.

Completed April 16, 1943.
Producing gas well.
Rock pressure: 645 lbs.

Formation	Thickness, ft.
Surface	68
Black shale	140
Top rock	64
Soap	116
Lime shell	24
Soap and lime shell	45
Grey lime	143
Grey and brown lime	65
Brown lime	95
Grey lime	48
Brown lime	48
Sharp grey lime	238
Brown lime	112
Grey lime and gypsum	6
Grey lime	15
Blue lime and gypsum	6
Grey lime	23
Brown and blue lime	60
Blue and grey lime	99
Brown and grey lime	84
Grey and blue lime	90
Grey and brown lime	104
Total depth	1,693

Gas at 1,629 to 1,646 feet.
Fresh water at 68 feet; sulphur water at 492 feet; salt water at 1,646 to 1,658 and 1,669 to 1,675 feet.

UNION GAS CO. OF CANADA, LTD.

J. R. Ellis No. 3, lot 19, con. I, Dawn tp.

Completed November 13, 1944.
Producing gas well.
Rock pressure: 175 lbs.

Formation	Depth, ft.
Surface	72
Brown shale	257
Top rock	317
Soap	427
Middle lime	442
Soap and lime shell	480
Brown lime	642
Brown lime and gypsum	690
Brown lime	846
Sharp brown and grey lime	1,066
Brown and grey lime	1,152
Lime and gypsum	1,158
Brown and grey lime	1,188
Brown, blue, and grey lime and gypsum	1,296
Brown lime	1,309
Lime and gypsum	1,315
Brown and grey lime	1,369
Brown and blue lime	1,387
Brown lime	1,417
Brown and blue lime	1,429
Blue lime	1,479
Brown, blue, and grey lime	1,513
Brown lime	1,561
Brown, blue, and grey lime	1,602
Brown lime	1,810

Show of gas at 490, 520, and 1,524 to 1,530 feet; 1,640, 1,659, 1,667, 1,675, 1,681, 1,687, 1,730, 1,736, 1,742 to 1,760, 1,771 to 1,795, and 1,800 to 1,804 feet.
Fresh water at 72 feet; sulphur water at 610 feet.

UNION GAS CO OF CANADA, LTD.

S. Johnston No. 2, lot 25, con. VIII, Dawn tp.

Completed June 20, 1944.
Producing gas well.
Rock pressure: 190 lbs.

Formation	Depth, ft.
Surface	66
Black shale	212
Top rock	266
Soap	395
Lime	425
Soap	451
Grey lime	560
Brown lime	620
Brown and grey lime	668
Grey lime	782
Grey and brown lime	862
Sharp grey lime	1,060
Grey and brown lime	1,158
Lime and gypsum	1,188
Grey and brown lime	1,215
Grey and blue lime	1,285
Blue lime	1,315
Brown lime	1,371
Brown and grey lime	1,469
Blue lime	1,528
Grey and brown lime	1,624
Grey lime	1,712
Salt	1,730
Grey lime	1,801
Brown and grey lime	1,848
Light-grey lime	1,901

Gas at 1,572 to 1,578 and 1,600 to 1,606 feet.
Fresh water at 59 feet; sulphur water at 565 feet; salt water at 1,873 to 1,879 feet.

UNION GAS CO. OF CANADA, LTD.

L. Bradley No. 1, lot 29, con. III, Dawn tp.

Completed April 10, 1944.
Dry hole.

Formation	Depth, ft.
Surface	62
Black shale	164
Top rock	230
Soap and lime shell	390
Grey lime	536
Brown and grey lime	692
Brown lime	776
Sharp grey lime	921
Brown and grey lime	1,009
Lime and gypsum	1,038
Brown, blue, and grey lime	1,112
Blue lime	1,166
Grey and brown lime	1,184
Brown lime	1,238
Grey and brown lime	1,333
Blue lime	1,369
Blue and brown lime	1,395
Salt and grey lime	1,508
Salt	1,608
Brown lime	1,613
Salt	1,625
Brown lime	1,703
Dark-grey lime	1,742
Grey and blue lime	1,788
Salt	1,830
Grey and brown lime	1,844
Dark-grey lime	1,952
Brown and grey lime	1,990

Show of oil at 1,978 to 1,990 feet.
Fresh water at 59 feet; sulphur water at 530 and 550 feet; salt water at 1,983 to 1,990 feet.

UNION GAS CO. OF CANADA, LTD.

L. R. White, Co. well No. 124, Dawn, lot 25, con. XIV, Dawn tp.

Completed December 20, 1943.
Dry hole.

Formation	Thickness, ft.
Surface	55
Black shale	93
Top rock	67
Soap and lime shell	175
Grey lime	123
Brown and grey lime	257
Sharp brown and grey lime	139
Brown and grey lime	87
Blue lime and gypsum	12
Grey and brown lime	26
Blue lime	12
Brown and grey lime	38
Blue and grey lime	51
Brown and grey lime	146
Grey and blue lime	59
Grey and brown lime	20
Salt and lime shell	166
Brown lime	70
Dark-grey lime	78
Brown lime	15
Total depth	1,689

Shows of gas at 1,671 to 1,674 and 1,678 to 1,683 feet.
Show of oil at 1,678 to 1,689 feet.
Fresh water at 55 feet; sulphur water at 399 feet; salt water at 1,678 to 1,689 feet.

UNION GAS CO. OF CANADA, LTD.

H. Wright, Co. well No. 121, Dawn, lot 25, con. XII, Dawn tp.

Completed June 23, 1943.
Dry hole.

Formation	Thickness, ft.
Surface	45
Black shale	119
Top rock	59
Soap	143
Lime shell	23
Soap and lime shell	39
Grey lime	132
Brown lime	86
Brown and grey lime	200
Sharp grey lime	222
Brown and grey lime	81
Grey lime and gypsum	18
Blue and grey lime	24
Brown, grey, and blue lime	135
Brown lime	42
Brown and grey lime	76
Grey and blue lime	62
Dark-grey lime	36
Brown and grey lime	45
Grey lime	93
Brown lime	60
Dark-brown lime	47
Black lime	18
Brown and grey lime	50
Total depth	1,855

Show of gas at 1,552 to 1,563 and 1,682 to 1,685 feet.
Sulphur water at 41, 530, and 554 to 560 feet; salt water at 1,838 to 1,843 feet.

UNION GAS CO. OF CANADA, LTD.

H. Wright, Co. well No. 118, Dawn, lot 25, con. XIII, Dawn tp.

Completed February 26, 1943.
Producing gas well.
Rock pressure: 350 lbs.

Formation	Thickness, ft.
Surface	46
Black shale	116
Top rock	52
Soap and lime shell	144
Lime shell	28
Soap	16
Grey lime	129
Brown and grey lime	75
Brown lime	200
Sharp grey lime	211
Brown lime	6
Brown and grey lime	2
Grey and blue lime and gypsum	2
Grey, blue, and brown lime	44
Grey and blue lime	73
Grey and brown lime	30
Brown lime	33
Grey and brown lime	83
Blue, grey, and brown lime	108
Brown lime and salt	18
Brown lime	66
Dark-grey lime	67
Brown lime	90
Grey lime	66
Brown lime	12
Total depth	1,821

Show of gas at 1,430 to 1,435 feet; gas at 1,663 to 1,665 and 1,671 to 1,677 feet.
Show of oil at 1,809 to 1,821 feet.
Sulphur water at 46, 431, and 530 feet; salt water at 1,815 to 1,821 feet.

E. A. ROTH

H. S. Murphy No. 1, lot 31, con. VIII, Dawn tp.

Completed April 8, 1946.
Dry hole.

Formation	Depth, ft.
Surface	45
Black and brown shale	100
Sand	102
Grey lime	120
Soap	135
Grey lime	162
Soap	290
Middle lime	305
Soap	329
Black conglomerate	332
Grey lime	352
Grey and light-brown lime	600

Fresh water at 45 feet; sulphur water at 420 and 460 feet.

Brown and grey lime	66
Grey and blue lime and gypsum	6
Blue lime	18
Brown lime	22
Blue and grey lime	24
Blue lime	83
Brown lime	57
Blue and brown lime	41
Brown lime	34
Grey lime	19
Blue and grey lime	75
Salt	121
Salt and lime shell	83
Brown lime	66
Dark-grey lime	74
Salt	42
Light-grey lime	31
Dark-grey lime	111
Light-grey lime	22
Total depth	1,992

Show of oil at 1,983 to 1,992 feet.
Sulphur water at 600 to 606 and 644 to 650 feet; salt water at 1,983 to 1,992 feet.

UNION GAS CO. OF CANADA, LTD.

F. Sands No. 2, lot 25, con. II, Dawn tp.

Driller: Kiser Bros.
Completed May 28, 1947.
Producing gas well.
Rock pressure: 24 lbs.

Formation	Depth, ft.
Surface	78
Brown shale	260
Top rock	318
Soap	430
Lime	445
Soap	484
Grey lime	501
Brown lime	845
Sharp lime	970
Brown and blue lime	1,108
Brown and blue lime and gypsum	1,120
Brown lime	1,203
Brown and blue lime	1,368
Blue lime and gypsum	1,392
Brown lime	1,415
Salt and lime	1,484
Brown lime	1,785
Brown and grey lime	1,825

Gas at 1,586 to 1,592, 1,600 to 1,606, 1,612 to 1,638, 1,648 to 1,654, 1,662 to 1,667, 1,726 to 1,761, 1,774, and 1,788 feet.
Fresh water at 80 feet; sulphur water at 500 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

D. E. Zavitz No. 1, lot 28, con. X, Dawn tp.

Driller: W. McKillop.
Completed March 17, 1947.
Dry hole.

Formation	Depth, ft.
Surface	61
Black shale	111
Black shale and grey lime	140
Grey lime	191
Soap	287
Lime and soap	291
Soap	326
Lime	341
Soap	367
Lime	408
Brown lime	433
Lime	510
Sharp sand	520

Fresh water at 59 and 66 feet.

UNION GAS CO. OF CANADA, LTD.

F. Ellis No. 4, lot 19, con. I, Dawn tp.

Driller: Kiser Bros.
Completed August 10, 1949.
Producing gas well.
Rock pressure: 196 lbs.

Formation	Depth, ft.
Surface	75
Brown shale	250
Top rock	310
Soap	426
Middle lime	442
Soap	480
Brown and grey lime	845
Sharp sand	1,058
Brown, blue, and grey lime	1,186
Lime and gypsum	1,275
Brown, blue, and grey lime	1,600
Brown lime	1,795

Gas at 1,512, 1,525, 1,640 to 1,645, 1,655 to 1,658, 1,706 to 1,736, and 1,742 to 1,795 feet.
Fresh water at 75 feet; sulphur water at 633 feet.

Big lime	53
Total depth	404

Salt water at 404 feet.

UNION GAS CO. OF CANADA, LTD.

C. Childs No. 3, lot 19, con. I, Dawn tp.

Driller: Kiser Bros.
Completed October 27, 1947.
Producing gas well.
Rock pressure: 175 lbs.

Formation	Depth, ft.
Surface	70
Brown shale	260
Top rock	314
Soap	432
Middle lime	450
Soap	478
Brown lime	573
Sharp sand	579
Brown lime	655
Grey lime	661
Brown lime and gypsum	689
Brown lime	717
Brown and grey lime	746
Brown lime	851
Sharp brown and grey lime	1,080
Brown lime	1,158
Brown and blue lime	1,170
Brown lime	1,194
Brown and blue lime and gypsum	1,205
Brown, blue, and grey lime	1,301
Brown lime	1,436
Blue and brown lime	1,510
Brown lime	1,577
Grey lime	1,607
Brown lime	1,676
Brown and grey lime	1,694
Brown lime	1,795

Fresh water at 65 feet; sulphur water at 535 and 758 to 764 feet.
Gas at 1,534 to 1,540, 1,622 to 1,628, 1,640 to 1,700, 1,706 to 1,728, and 1,747 to 1,795 feet.

UNION GAS CO. OF CANADA, LTD.

J. McLachlin No. 3, lot 24, con. II, Dawn tp.

Driller: Kiser Bros.
Completed May 28, 1947.
Producing gas well.
Rock pressure: 24 lbs.

Formation	Depth, ft.
Surface	80
Brown shale	258
Top rock	320
Soap	439
Lime	454
Soap	492
Brown and grey lime and gypsum	1,053
Blue lime and gypsum	1,065
Brown lime	1,094
Blue and brown lime	1,117
Blue lime and gypsum	1,164
Blue and brown lime	1,290
Brown and grey lime	1,328
Blue and brown lime and gypsum	1,360
Blue and brown lime	1,383
Brown lime	1,415
Lime and salt	1,510
Brown lime	1,749
Brown and grey lime	1,790
Grey lime	1,825

Gas at 1,556 to 1,562, 1,614 to 1,629, 1,644 to 1,673, 1,735, and 1,746 feet.
Fresh water at 78 feet; sulphur water at 605 feet.

UNION GAS CO. OF CANADA, LTD.

A. and S. Brentz No. 1, lot 13, con. XIII, Dawn tp.

Driller: Kiser Bros.
Completed January 7, 1948.
Dry hole.

Formation	Depth, ft.
Surface	40
Black shale	60
Top rock	114
Soap	236
Middle lime	254
Soap	274
Brown lime	378
Sharp grey lime	412
Brown lime	655
Sharp brown and grey lime	840
Brown lime	937
Brown and blue lime and gypsum	1,002
Brown, blue, and grey lime	1,323
Brown lime and salt	1,371
Grey lime and salt	1,401
Brown lime and salt	1,512
Brown and grey lime	1,761

Fresh water at 40 feet; sulphur water at 324 to 330 feet; salt water at 1,728 to 1,734 feet.

IMPERIAL OIL, LTD.

T. and E. Dalton No. 1, lot 19, con. X, Dawn tp.

Driller: Stubble and Stubble.
Completed July 31, 1950.
Dry hole.

Formation	Depth, ft.
Surface	48
Brown shale	70
Grey lime and soap	262
Middle lime	271
Soap	309
Brown and grey lime	985
Blue lime	990
Brown lime	996
Blue and grey lime	1,365
Salt	1,598
Brown and grey lime	1,740
Salt	1,744
Brown and grey lime	2,013
Shale	2,015

Fresh water at 45 feet; sulphur water at 345 feet; salt water at 1905 feet.

UNION GAS CO. OF CANADA, LTD.

F. Ellis No. 5, lot 19, con. I, Dawn tp.

Driller: Kiser Bros.
Completed October 28, 1950.
Producing gas well.
Rock pressure: 185 lbs.
Elevation: 622 ft.

Formation	Depth, ft.
Surface	72
Brown shale	255
Top rock	315
Soap	428
Middle lime	446
Soap	471
Brown lime	860
Sharp sand	1,061
Brown lime	1,139
Lime and gypsum	1,290
Brown and blue lime	1,496
Brown and grey lime	1,800

Gas at 486 to 492, 1,534, 1,604, 1,610 to 1,651, 1,668 to 1,674, 1,680 to 1,686, 1,698 to 1,714, 1,718 to 1,728, 1,733 to 1,751, and 1,775 to 1,790 feet.
Show of oil at 486 to 492 feet.
Fresh water at 70 feet; sulphur water at 596 to 602 feet.

UNION GAS CO. OF CANADA, LTD.

E. Green No. 2, lot 23, con. II, Dawn tp.

Driller: J. Ashton.
Completed September 19, 1950.
Dry hole.
Elevation: 629 ft.

Formation	Depth, ft.
Surface	63
Black shale	306
Top rock	370
Soap and shell	490
Middle lime	502
Soap	528
Brown and grey lime	894
Sharp sand	1,026
Lime and gypsum	1,179
Brown, grey, and blue lime	1,494
Salt and lime shell	1,590
Brown lime	1,602
Salt and shell	1,620
Brown and grey lime	1,765
Salt	1,795
Brown and grey lime	2,048
Blue shale	2,060

Show of gas at 1,801 to 1,809 feet.
Show of oil at 1,809 to 1,815 feet.
Fresh water at 63 feet; sulphur water at 648 and 680 feet; salt water at 1,665 and 1,695 feet.

UNION GAS CO. OF CANADA, LTD.

R. and N. Broad No. 1, lot 19, con. VII, Dawn tp.

Driller: W. Kiser and Son.
Completed November 8, 1951.
Dry hole.

Formation	Depth, ft.
Surface	65
Huron shale	130
Hamilton	354
Brown lime	700
Sharp lime	900
Brown lime	930
Brown lime and gypsum	940
Brown lime	998
Brown and blue lime and gypsum	1,014
Blue, brown and grey lime	1,364
Salt, lime streaks	1,576
Brown and grey lime	1,719
Salt, lime streaks	1,743
Brown lime	1,833
Brown and grey lime	1,900
Brown lime	1,941
Grey lime	2,010
Grey shale	2,016

Fresh water at 60 feet; sulphur water at 390 feet.

UNION GAS CO. OF CANADA, LTD.

L. Jinks No. 1, lot 32, con. IX, Dawn tp.

Driller: W. Kiser and Son.
Completed November 30, 1951.
Dry hole.

Formation	Depth, ft.
Surface	66
Huron shale	96
Hamilton	335
Brown lime	429
Sharp grey lime	441
Brown lime	704
Sharp lime	904
Brown lime	990
Lime and gypsum	1,020
Blue and brown lime	1,362
Brown lime and slat	1,593
Brown and grey lime	1,730
Salt and lime	1,766
Brown lime	1,865
Grey lime	1,912
Brown and grey lime	1,978
Grey lime	2,040
Grey shale	2,042

Gas at 1,778–1,797 feet.
Fresh water at 60 feet; sulphur water at 439 feet; salt water at 1,974 feet.

UNION GAS CO. OF CANADA, LTD.

A. McMurphy No. 1, lot 33, con. IX, Dawn tp.

Driller: W. Kiser and Son.
Completed October 22, 1951.
Dry hole.

Formation	Depth, ft.
Surface	65
Huron shale	86
Hamilton	330
Brown lime	713
Sharp lime	890
Brown lime	986
Blue lime and gypsum	1,010
Brown lime	1,054
Blue lime and gypsum	1,062
Blue and brown lime	1,344
Lime and salt	1,596
Brown lime	1,656
Grey lime	1,750
Lime and salt	1,787
Brown lime	1,793
Grey lime	1,799
Brown lime	1,863
Grey and brown lime	1,921
Brown lime	1,945
Grey lime	1,972

Show of oil at 374–382 feet.
Show of gas at 1,787–1,793, and 1,813 feet.
Fresh water at 58 feet; sulphur water at 374, 467, and 535 feet; salt water at 1,921 feet.

UNION GAS CO. OF CANADA, LTD.

F. J. and P. M. Mills No. 1, lot 34, con. I, Dawn tp.

Driller: W. Kiser and Son.
Completed September 14, 1951.
Dry hole.

Formation	Depth, ft.
Surface	80
Huron shales	266
Hamilton	527
Brown lime	930
Sharp lime	1,094
Brown lime	1,188
Lime and gypsum	1,194
Brown and blue lime	1,262
Blue lime	1,348
Brown lime	1,420
Grey, brown and blue lime	1,600
Lime and salt	1,690
Brown lime	1,760
Grey lime	1,840
Salt	1,905
Brown and grey lime	1,917
Brown lime	1,999
Grey lime	2,027
Brown lime	2,069
Grey lime	2,120

Show of gas at 1,920–1,926 and 1,972–1,976.
Show of oil at 1920–1926, and 1972–1970 ft.
Fresh water at 75 feet; sulphur water at 682–688 feet; salt water at 1,690–1,700, 1,920–1,976, and 1,972–1,976 feet.

UNION GAS CO. OF CANADA, LTD.

M. Stevens No. 1, lot 21, con. I, Dawn tp.

Driller: Kiser Bros.
Completed January 4, 1951.
Dry hole.

Formation	Depth, ft.
Surface	64
Brown shale	295
Top rock	362
Soap	478
Middle lime	492
Soap	522
Brown and grey lime	934
Sharp sand	1,142
Brown lime	1,234
Blue lime and gypsum	1,246
Brown and blue lime	1,361
Grey and brown lime	1,520
Blue and brown lime	1,654
Brown and grey lime	1,767
Salt and lime	1,804
Brown and grey lime	1,928

Show of oil at 1,642–1,647 and 1,804–1,810 feet.
Fresh water at 62 feet; sulphur water at 640–646 and 705–711 feet.

UNION GAS CO. OF CANADA, LTD.

E. Strevel No. 1, lot 29, con. VIII, Dawn tp.

Driller: W. Kiser and Son.
Completed October 11, 1951.
Dry hole.

Formation	Depth, ft.
Surface	55
Black shale	145
Hamilton	406
Brown lime	535
Sharp lime	545
Brown lime	880
Sharp lime	1,105
Brown lime	1,202
Lime and gypsum	1,213
Brown lime	1,237
Lime and gypsum	1,371
Brown, grey and blue lime	1,838
Brown lime	1,911
Brown and grey lime	1,983
Grey lime	2,032
Grey shale	2,070

Fresh water at 53 feet.

UNION GAS CO. OF CANADA, LTD.

W. and M. Abrahams No. 1, lot 22, con. II, Dawn tp.

Driller: Kizer Bros.
Completed February 21, 1951.
Producing gas well.
Rock pressure: 683 lb.

Formation	Depth, ft.
Surface	77
Brown shale	375
Top rock	440
Soap	560
Middle lime	572
Soap	602
Brown and grey lime	979
Sharp sand	1,133
Brown lime	1,232
Lime and gypsum	1,250
Brown and blue lime	1,389
Brown and grey lime	1,506
Blue and brown lime	1,615
Salt and lime	1,630
Brown and grey lime	1,767
Brown lime and slat	1,785
Brown and grey lime	1,924

Gas at 1,658–1,664, 1,786–1,792, and 1,897–1,915 feet.
Show of oil at 1,786–1,792 feet.
Fresh water at 77 feet; sulphur water at 638–642 and 655–661 feet; salt water at 1,670–1,676 feet.

UNION GAS CO. OF CANADA, LTD.

W. and M. Abrahams No. 2, lot 22, con. II, Dawn tp.

Driller: Wayne Kiser and Son.
Completed December 20, 1951.
Dry hole.

Formation	Depth, ft.
Surface	72
Black shale	370
Hamilton	615
Brown lime	990
Sharp grey and brown lime	1,155
Brown lime	1,250
Lime and gypsum	1,286
Brown, blue, and grey lime	1,515
Brown and grey lime and gypsum	1,545
Blue and grey lime	1,629
Brown lime	1,746
Grey and brown lime	1,812
Brown lime	1,902
Grey lime	1,914
Brown lime	1,932
Brown and grey lime	1,968
Grey lime	2,036
Grey shale	2,040

Show of oil at 1,657–1,663 feet.
Show of gas at 1,915–1,927 feet.
Fresh water at 70 feet; sulphur water at 740 and 780 feet; salt water at 1,683 and 1,932 feet.

BECHER OIL AND GAS CO., LTD.

L. Lassaline No. 1, lot 29, con. V, Enniskillen tp.

Driller: Demaray and Nichols.
Completed September 27, 1951.
Dry hole.

Formation	Depth, ft.
Surface	55
Black shale	136

Show of gas at 53 feet.

WILSON SULLIVAN DEVELOPMENT CO.

H. Stocking No. 1, lot 16, con. V, Euphemia tp.

Driller: Wilson Sullivan Development Co.
Completed March 8, 1951.
Dry hole.

Formation	Depth, ft.
Surface	124
Top rock	132
Soap	194
Middle lime	213
Lower soap	224
Brown lime	235
Grey lime	355
Sharp sand	365

Fresh water at 10 feet; sulphur water at 123 feet.

E. R. MCGAFFEY

C. Brown No. 2, lot 17, con. V, Euphemia tp.

Driller: E. McGaffey.
Completed February 24, 1951.
Producing oil well.

Formation	Depth, ft.
Surface	70
Hard pan	84
Sand	91
Soap and shell	180
Middle lime	202
Lower soap	224
Dark streak	231
Soap	232
Big lime	359

Oil at 199 and 347 feet.
Fresh water at 148 and 199 feet; sulphur water at 347 feet.

IMPERIAL OIL, LTD.

E. Baxter No. 1, lot 26, con. IV, Moore tp.

Driller: R. McMaster and Son.
Completed January 15, 1951.
Dry hole.

Formation	Depth, ft.
Surface	160
Grey and black shale	475
Brown lime and shale	560
Soap	675
Lime and soap	730
Lime	856
Water and sand	909
Lime and gypsum	1,184
Grey and brown lime	1,340
Water sand	1,385
Brown and blue lime	1,460
Blue lime	1,490
Blue shale and gypsum	1,540
Brown and blue lime	1,680
Salt and lime	1,900
Salt	2,100
Brown lime	2,170
Grey lime	2,235
Lime and gypsum	2,260
Salt	2,335
Lime and salt	2,345
Brown lime	2,393
Grey lime	2,452
Lime and gypsum	2,473
Guelph	2,583
Shale	2,600

Fresh water at 106 feet; sulphur water at 1,340–1,380 feet.

Lambton County—Continued

UNION GAS CO. OF CANADA, LTD.—DAWN NO. 169

S. and M. Gadsby No. 1, lot 34, con. XII, Dawn tp.

Location: 284 ft. S., 75 ft. W.
Elevation: 668 ft.
Driller: W. Kiser and Son.
Completed: Aug. 10, 1953.
Result: dry hole.

Formation	Depth ft.
Surface	60
Black shale	104
Hamilton	420
Brown lime	886
Sharp lime	1,142
Brown lime	1,235
Blue lime and gypsum	1,241
Brown lime	1,276
Blue lime and gypsum	1,292
Brown and blue lime	1,448
Brown and grey lime	1,524
Blue lime	1,574
Grey lime	1,627
Brown lime	1,688
Grey lime	1,765
Salt and lime	1,795
Brown lime	1,911
Grey lime and gypsum	1,923
Brown lime	1,958
Grey lime	2,032
Grey shale	2,034

Gas at 1,633–70 ft.
Fresh water at 60 ft.; sulphur water at 553 ft.; salt water at 1,662 ft.

UNION GAS CO. OF CANADA, LTD.—DAWN NO. 172

D. and A. Lidster No. 1, lot 14, con. XII, Dawn tp.

Location: 250 ft. S., 2,100 ft. E.
Elevation: 623+2 ft.
Driller: Kiser Drilling Co.
Completed: Oct. 12, 1953.
Result: dry hole.

Formation	Depth ft.
Surface	35
Black shale	80
Hamilton	300
Brown lime	400
Sharp grey lime	430
Brown lime	660
Sharp lime	870
Brown and grey lime	935
Blue lime and gypsum	956
Brown and blue lime	1,010
Blue lime and gypsum	1,091
Brown, grey, and blue lime	1,319
Salt	1,480
Brown lime	1,550
Grey lime	1,608
Brown lime	1,668
Grey lime	1,698
Brown lime	1,758
Brown and grey lime	1,836
Grey lime	1,881
Blue shale	1,890

Fresh water at 30 ft.; sulphur water at 361 ft.; salt water at 1,872 ft.

UNION GAS CO. OF CANADA, LTD.—DAWN NO. 173

E. and G. Kolmegies No. 1, lot 12, con. X, Dawn tp.

Location: 210 ft. N., 655 ft. E.
Elevation: 605+5 ft.
Driller: W. Kiser and Son.
Completed: Nov. 6, 1953.
Result: dry hole.

Formation	Depth ft.
Surface	10
Black shale	166
Hamilton	369
Brown lime	677
Sharp lime	835
Brown lime	920
Brown lime and gypsum	950
Brown lime	974
Blue and brown lime	1,300
Salt and lime	1,455
Brown lime	1,534
Grey lime	1,588
Lime and gypsum	1,600
Brown lime	1,675
Black lime	1,701
Lime and gypsum	1,720
Brown lime	1,808
Grey lime	1,880
Grey shale	1,882

Fresh water at 16 and 55 ft.; sulphur water at 448 ft.; salt water at 1,726 ft.

UNION GAS CO. OF CANADA, LTD.—DAWN NO. 170

H. Mawlam No. 2, lot 23, con. XIV, Dawn tp.

Location: 600 ft. S., 1,600 ft. E.
Elevation: 654+3 ft.
Driller: W. Kiser and Son.
Completed: Sept. 19, 1953.
Result: dry hole.

Formation	Depth ft.
Surface	52
Black shale	150
Hamilton	416
Brown lime	502
Sharp, grey lime	514
Brown lime	538
Sharp, grey lime	591
Brown and grey lime	788
Sharp lime	1,048
Brown lime	1,152
Blue lime and gypsum	1,199
Grey, brown, and blue lime	1,520
Brown lime	1,582
Grey lime	1,638
Lime and gypsum	1,645
Brown lime	1,739
Grey lime	1,753
Brown lime	1,795
Brown and grey lime	1,815
Grey lime	1,914
Blue shale	1,920

Gas at 1,530–40 ft.
Show of oil at 1,753 ft.
Fresh water at 52 ft.; sulphur water at 502 ft.

Lambton County—Continued

UNION GAS CO. OF CANADA, LTD.—DAWN NO. 171

M. Boyle No. 1, lot 14, con. V, Dawn tp.

Location: 400 ft. S., 650 ft. E.
Elevation: 623+3 ft.
Driller: W. Kiser and Son.
Completed: Sept. 18, 1953.
Result: dry hole.

Formation	Depth ft.
Surface	60
Black shale	225
Hamilton	445
Brown and grey lime	860
Sharp lime	1,025
Brown and grey lime	1,090
Lime and gypsum	1,110
Grey and brown lime	1,134
Blue lime and gypsum	1,240
Brown and blue lime	1,290
Lime and gypsum	1,319
Brown, grey and blue lime	1,420
Blue lime and gypsum	1,524
Grey lime	1,568
Brown lime	1,616
Grey lime	1,700
Lime and gypsum	1,707
Brown lime	1,797
Grey lime and gypsum	1,829
Brown lime	1,865
Brown and grey lime	1,905
Grey lime	1,962
Grey shale	1,965

Show of oil at 1,610 ft.
Sulphur water at 474 ft.; salt water at 1,755 and 1,846 ft.

UNION GAS CO. OF CANADA, LTD.—DAWN NO. 175

C. Butler No. 1, lot 16, con. XI, Dawn tp.

Location: 800 ft. S., 1,600 ft. E.
Elevation: 631+5 ft.
Driller: W. Kiser and Son.
Completed: Dec. 17, 1953.
Result: dry hole.

Formation	Depth ft.
Surface	35
Black shale	80
Hamilton	300
Brown lime	670
Sharp lime	834
Brown lime	928
Lime and gypsum	966
Blue, grey, and brown lime	1,320
Salt and lime	1,519
Brown lime	1,586
Grey lime	1,646
Lime and gypsum	1,664
Brown lime	1,750
Black lime	1,790
Lime and gypsum	1,807
Brown lime	1,876

UNION GAS CO. OF CANADA, LTD.—DAWN NO. 177

W. Cook No. 1, lot 14, con. IX, Dawn tp.

Location: 150 ft. N., 1,100 ft. W.
Elevation: 621+3 ft.
Driller: W. Kiser and Son.
Completed: Dec. 21, 1953.
Result: dry hole.

Formation	Depth ft.
Surface	
Black shale	
Hamilton	
Brown lime	720
Sharp lime	836
Brown lime	91[illegible]
Lime and gypsum	[illegible]
Grey and brown lime	1,[illegible]
Salt and lime	1,[illegible]
Brown lime	1,552
Grey lime	1,614
Lime and gypsum	1,627
Brown lime	1,709
Grey lime	1,740
Lime and gypsum	1,748
Brown lime	1,794
Grey lime	1,894
Grey shale	1,896

Show of oil at 1,627-32 ft.

UNION GAS CO. OF CANADA, LTD.—DAWN NO. 160

E. and E. Fowler No. 1, lot 33, con. X, Dawn tp.

Location: 100 ft. N., 100 ft. E.
Elevation: 644 ft.
Driller: W. Kiser and Son.
Completed: June 1, 1953.
Result: dry hole.

Formation	Depth ft.
Surface	84
Brown shale	100
Hamilton	340
Grey lime	346
Brown lime	730
Sharp lime	890
Brown lime	9[illegible]
Blue and brown lime and gypsum	1,[illegible]
Brown and grey lime	1,[illegible]
Blue and brown lime and gypsum	1,[illegible]
Grey and blue lime	1,160
Brown lime	1,180
Brown and blue lime and gypsum	1,186
Brown and blue lime	1,375
Salt and lime	1,613
Brown lime	1,673
Grey, brown and blue lime	1,753
Salt	1,797
Brown lime	1,873
Brown and grey lime	1,921
Grey lime	1,939
Brown lime	1,957

Lambton County—Continued

UNION GAS CO. OF CANADA, LTD.—BROOKE NO. 4

R. and B. Johnston No. 1, lot 7, con. IV, Brooke tp.

Location: 2,100 ft. S., 150 ft. E. of C. L.
Elevation: 685+2 ft.
Driller: W. Kiser and Son.
Completed: Oct. 17, 1953.
Result: dry hole.

Formation	Depth ft.
Surface	55
Black shale	218
Hamilton	525
Grey lime	567
Brown lime	930
Sharp lime	1,175
Brown lime	1,260
Blue lime and gypsum	1,268
Blue and brown lime	1,328
Blue lime and gypsum	1,401
Brown lime	1,515
Brown and blue lime	1,539
Blue lime and gypsum	1,605
Brown lime	1,737
Blue lime and gypsum	1,743
Brown lime	1,882
Grey and brown lime	1,894
Grey lime	1,906
Brown lime	1,977
Grey lime	2,007
Rochester	2,013

Fresh water at 53 ft.; sulphur water at 590 and 610 ft.; salt water at 1,912 ft.

UNION GAS CO. OF CANADA, LTD.—BROOKE NO. 6

W. and A. Watson No. 1, lot 7, con. V, Brooke tp.

Location: 100 ft. S. of C. L., 900 ft. E.
Elevation: 689+2 ft.
Driller: Meier and Shaw.
Completed: Dec. 5, 1953.
Result: dry hole.

Formation	Depth ft.
Surface	60
Black shale	150
Hamilton	400
Brown lime	730
Sharp lime	925
Brown lime	1,000
Lime and gypsum	1,020
Brown lime	1,040
Blue and brown lime and gypsum	1,165
Blue and brown lime and shale	1,350
Lime and salt	1,390
Brown lime	1,400
Salt and lime	1,620
Brown lime	1,690
Blue and brown lime	1,756
Salt and lime	1,790
Brown lime	1,908
Lime and gypsum	1,932
Brown lime	1,962
Grey lime	2,022
Grey shale	2,028

Gas at 1,800 ft.
Sulphur water at 490 ft.; salt water at 1,938–50 ft.

UNION GAS CO. OF CANADA, LTD.—DAWN NO. 174

G. Scott No. 1, lot 13, con. X, Dawn tp.

Location: 500 ft. S., 600 ft. E.
Elevation: 622+3 ft.
Driller: W. Kiser and Son.
Completed: Nov. 6, 1953.
Result: dry hole.

Formation	Depth ft.
Surface	40
Black shale	145
Hamilton	355
Brown lime	720
Sharp lime	833
Brown lime	915
Blue and brown lime and gypsum	1,066
Grey and brown lime	1,294
Salt and lime	1,470
Brown lime	1,541
Grey lime	1,604
Brown lime	1,688
Grey lime	1,738
Brown lime	1,766
Grey lime	1,890
Grey shale	1,893

Gas at 1,610-16 ft. and 1,622-28 ft.
Oil at 1,610-16 ft.
Sulphur water at 450 and 600 ft.; salt water at 1,610 and 1,870 ft.

UNION GAS CO. OF CANADA, LTD.—DAWN NO. 168

A. Babcock No. 1, lot 14, con. IV, Dawn tp.

Location: 550 ft. N., 1,600 ft. W.
Elevation: 619 ft.
Driller: W. Kiser and Son.
Completed: July 23, 1953.
Result: dry hole.

Formation	Depth ft.
Surface	60
Black shale	245
Hamilton	462
Brown lime	867
Sharp lime	1,105
Brown lime	1,175
Grey, and blue lime and gypsum	1,327
Brown and blue lime	1,384
Blue lime and gypsum	1,398
Brown and blue lime	1,450
Blue lime and gypsum	1,545
Brown and grey lime	1,698
Grey lime and gypsum	1,708
Brown lime	1,813
Grey lime	1,845
Brown lime	1,864
Grey lime	1,887
Brown lime	1,898
Grey lime	1,970
Grey shale	1,978

Sulphur water at 523 ft.; salt water at 1,845 ft.

Lambton County - Continued

IMPERIAL OIL LTD. - No. 436
R. Houston No. 1
Dawn Tp., Lot 19, Con. VIII.

Co-ordinates: 500' S., 1930' E.
Elevation: 647' + 2'.
Driller: Stubble and Stubble.
Completed: April 28, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	49	49
Black shale	73	122
Hamilton	230	352
Brown lime and gypsum	368	720
Sharp sand	180	900
Brown lime	110	1,010
Blue lime and gypsum	230	1,240
Brown lime and gypsum	156	1,396
Salt	152	1,548
Brown lime	9	1,557
Salt	13	1,570
Brown lime	115	1,685
Brown lime and black shale	35	1,720
Brown lime	60	1,780
Brown lime and shale	37	1,817
Brown lime	83	1,900
Grey lime	79	1,979
Grey shale	8	1,987

Water
Fresh at 49'
Sulphur at 460'

UNION GAS CO. OF CANADA, LTD. - No. 176 Dawn
B. Lusk No. 1
Dawn Tp., Lot 23, Con. III.

Co-ordinates: 750' N., 2000' W.
Elevation: 634' + 2'.
Driller: W. Kiser and Son.
Completed: January 19, 1954.
Result: Producing gas well.
Reported flow: 1,221 M.C.F./day; W.H.P. 700 lbs.

Formation	Thickness feet	Depth feet
Surface	65	65
Black shale	260	325
Hamilton	280	605
Brown lime	290	895
Sharp lime	210	1,105
Brown lime	90	1,195
Lime and gypsum	173	1,368
Blue, brown and grey lime	210	1,578
Salt and lime	24	1,602
Brown lime	81	1,683

Water
Fresh at 65'
Sulphur at 710' and 754'
Salt at 1,675'

Gas
At 1,602' to 1,630'

UNION GAS CO. OF CANADA, LTD. - No. 178 Dawn
L. Williams No. 1
Dawn Tp., Lot 15, Con. XII.

Co-ordinates: 400' N., 1500' W.
Elevation: 630' + 3'.
Driller: W. Kiser and Son.
Completed: February 9, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	35	35
Huron	50	85
Hamilton	198	283
Brown lime	329	612
Sharp lime	233	845
Brown lime	95	940
Lime and gypsum	24	964
Blue, brown and grey lime	360	1,324
Salt and lime	157	1,481
Brown lime	94	1,575
Grey lime	43	1,618
Lime and gypsum	12	1,630
Brown lime	46	1,676
Grey lime	12	1,688
Lime and gypsum	12	1,700
Brown lime	148	1,848
Grey lime	50	1,898
Grey shale	2	1,900

Water	Oil	Gas
Sulphur at 320' to 326'	Show at 1,629' to 1,635'	Show at 1,629' to 1,635'

UNION GAS CO. OF CANADA, LTD. - No. 179 Dawn
M. Medd No. 2
Dawn Tp., Lot 23, Con. IV.

Co-ordinates: 350' N., 100' W.
Elevation: 640' + 2'.
Driller: W. Kiser and Son.
Completed: February 26, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	64	64
Black shale	180	244
Hamilton	247	491
Brown lime	469	960
Sharp lime	260	1,220
Brown lime	120	1,340
Lime and gypsum	363	1,703
Brown lime	222	1,925
Grey lime	12	1,937
Brown and grey lime	12	1,949
Brown lime	12	1,961
Brown and grey lime	24	1,985
Grey lime	60	2,045
Blue shale	6	2,051

Water
Fresh at 64'
Sulphur at 508'
Salt at 1,817'

Lambton County - Continued

UNION GAS CO. OF CANADA, LTD. - No. 184 Dawn
N. Munro No. 1
Dawn Tp., Lot 34, Con. XIII.

Co-ordinates: 690' S., 1590' E.
Elevation: 670' + 2'.
Driller: W. Kiser and Son.
Completed: August 18, 1954.
Result: Producing gas well.
Reported flow: 9,125 M.C.F./day; W.H.P. 910 lbs.

Formation	Thickness feet	Depth feet
Surface	44	44
Black shale	88	132
Hamilton	245	377
Brown lime	381	758
Sharp lime	269	1,027
Brown lime	103	1,130
Lime and gypsum	5	1,135
Brown and blue lime	377	1,512
Lime and gypsum	7	1,519
Brown lime	43	1,562
Grey lime	30	1,592
Brown lime	78	1,670

Water	Gas
Fresh at 46'	At 1,519' to 1,524'
Sulphur at 502'	1,537' to 1,547' and 1,592' to 1,670'

UNION GAS CO. OF CANADA, LTD. - No. 185 Dawn
N. Wilson No. 2
Dawn Tp., Lot 33, Con. II.

Co-ordinates: 950' S., 1000' E.
Elevation: 629' + 8'.
Driller: W. Kiser and Son
and Union Rotary Drilling (Canada) Ltd.
Completed: September 30, 1954.
Result: Producing gas well.
Reported flow: 71.5 M. M.C.F./day; W.H.P. 878 lbs.

Formation	Thickness feet	Depth feet
Surface	64	64
Huron	106	170
Hamilton	267	437
Dundee	105	542
Detroit River	604	1,146
Chert 935 - 1146		
Bass Island	99	1,245
Salina	514	1,759
A2 - 1645		
Guelph	398	2,157
Rochester	15	2,172

Water	Gas
Fresh at 55' to 64'	At 1,772' to 1,975'
Sulphur at 565', 624' to 634'	
Salt at 2,157'	

UNION GAS CO. OF CANADA, LTD. - No. 188 Dawn
F. Mills No. 2
Dawn Tp., Lot 34, Con. II.

Co-ordinates: 75' N., 1325' E.
Elevation: 629' + 2'.
Driller: W. Kiser and Son.
Completed: November 2, 1954.
Result: Producing gas well.
Reported flow: 3,440 M.C.F./day; W.H.P. 837 lbs.

Formation	Thickness feet	Depth feet
Surface	71	71
Huron	113	184
Hamilton	301	485
Dundee	169	654
Detroit River	564	1,218
Chert 1,035 to 1,218		
Bass Island	90	1,308
Salina	694	2,002
A2 - 1,750		
A1 - 1,872		
Guelph	18	2,020

Water	Gas	Oil
Fresh at 71'	At 1,872' to 1,898'	Show at 2,004' to 2,012'
Sulphur at 558'	1,921' to 1,925'	

UNION GAS CO. OF CANADA, LTD. - No. 190 Dawn
T. Clubb No. 1
Dawn Tp., Lot 33, Con. I.

Co-ordinates: 50' S. of c/1, 150' W.
Elevation: 628' + 2'.
Driller: W. Kiser and Son.
Completed: December 16, 1954.
Result: Producing gas well.
Reported flow: 30 M.M.C.F./day; W.H.P. 878 lbs.

Formation	Thickness feet	Depth feet
Surface	82	82
Huron	140	222
Hamilton	287	509
Dundee	96	605
Detroit River	487	1,092
Chert 945 to 1,092		
Bass Island	87	1,179
Salina	467	1,646
A2 - 1,568		
Guelph	111	1,757

Water	Gas	Oil
Fresh at 83'	At 83', 1,592' to 1,596', 1,689' to 1,757'	At 1,646' to 1,652'
Sulphur at 539' to 549'		

Section IV: Enniskillen Township

Chapter I: Lambton County

The Harkness Files
Volume IX
Lambton

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Wells in Sombra Township, Lambton County—Concluded

Lot	Con.	Designation	Location	Year drilled	Altitude in feet above sea-level	Depth in feet	Bedrock formation	Producing depth in feet	Producing formation	Yield Mcf. or bbls.	Pressure in lbs. sq. in.	Thickness of drift in feet	Remarks
30	11	Union Gas Co. of Canada, Ltd., No. 77	75 ft. S. of N. line..... 1,000 ft. W. of E. line	1934	625	2,150	Kettle Point	.....	.....	Dry	.....	85	Sulphur water at 600 ft. Show of oil at 2,005 ft.
26	13	.....	1,600 ft. S. of N. line..... 400 ft. W. of E. line	.....	612	1,500	.....	.....	.....	Dry	.....	.....	
27	13	Union Gas Co. of Canada, Ltd., No. 75	1,100 ft. S. of N. road..... 400 ft. E. of W. line	1934	620	2,175	Kettle Point	.....	.....	Dry	.....	100	Sulphur water at 575 and 650 ft. Salt water at 2,035 and 2,150 ft.

Wells in Enniskillen Township, Lambton County

Caley

1	1	Gonder Farm.....	1,200 ft. S. of N. line..... 1,000 ft. E. of W. road	.....	625	425	.....	.....	.....	Dry	.....	.....	
3	1	J. Sinclair Farm.....	SW. Corner.....	.....	630	707	Kettle Point	.....	.....	.....	.....	75	Fresh water at 75 ft. Salt water at 700 ft.
12	1	Walker Farm.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1 well.
17	1	James Farm.....	NE. quarter.....	.....	.....	.....	.....	.....	.....	.....	.....	47	Several wells.
18	1	Union Natural Gas Co..... Donelly No. 5.....	1,000 ft. S. of N. road..... 50 ft. W. of E. line	1941	662	2,132	.....	1,860–1,925	Salina Guelph	800 Mcf.	900	.....	
19	1	J. Sproule.....	1,500 ft. S. of N. line..... 100 ft. E. of W. line	.....	.....	290	Hamilton	.....	.....	.....	.....	56	Several other wells.
19	1	J. Sproule.....	NE. Corner.....	.....	.....	285	"	.....	.....	.....	.....	57	
19	1	J. Sproule.....	NW. Corner.....	.....	.....	276	"	.....	.....	.....	.....	52	
21	1	.....	.....	1866	.....	456	.....	.....	.....	.....	.....	71	
4	2	J. R. Woodward.....	SW. Corner.....	1915	610	475	.....	.....	.....	Dry	.....	34	Show of oil and gas.
18	2	Sarnia Oil and Gas Co.....	1,100 ft. S. of N. line..... 50 ft. E. of W. line	1932	658	2,244	Hamilton	.....	.....	Dry	.....	.....	
18	2	Oil Springs Oil and Gas Co. No. 3	2,650 ft. S. of N. line..... 50 ft. E. of W. line	.....	.....	.....	.....	.....	.....	Dry	.....	.....	

20	11	British Petroleum Co.	2,800 ft. N. of S. road 800 ft. W. of E. line	1925	665	576	Kettle Point			Dry		90	
23	11	British Petroleum Co.	3,100 ft. N. of S. road 50 ft. W. of centre line	1927	674	600	"					85	
16	12	C. S. Douglas	SW. Corner	1890	640	504	"					75	
14	13	Charles Fisher	400 ft. N. of S. road 700 ft. W. of E. line	1890	646	495	"			Dry		86	
30	13	Wm. Burney	900 ft. N. of S. road 120 ft. W. of E. line		693	476	"			Dry			
30	13	T. and G. Witherspoon	210 ft. S. of N. line 170 ft. W. of E. road	1941	707	526	"			Dry		99	Salt water at 576 ft. Gas at 522 ft.
26	14	A. Gamon	1,150 ft. S. of N. road 500 ft. E. of W. line		664	533	"			Dry		76	Black water at 533 ft.
28	14	A. McPherson	1,600 ft. S. of N. road 500 ft. W. of E. line		711	695	"					90	

Wells in Sombra Township, Lambton County

30	5	Union Gas Co. of Canada, Ltd., No. 86 V. Green No. 1	850 ft. N. of S. road 800 ft. W. of E. road	1936	594	2,042	Kettle Point			Dry		52	Fresh water at 47 ft. Sulphur water at 535 ft. Salt water at 1,835 ft.
22	6	Union Gas Co. of Canada, Ltd., No. 66	75 ft. S. of N. line 50 ft. W. of centre line	1933	599	2,252	"			Dry		60	Sulphur water at 565 and 700 ft. Show of oil.
F	6		Port Lambton	1895	583	1,720	"						
27	9	Union Gas Co. of Canada, Ltd., No. 123 Dawn T. E. O'Neill	1,600 ft. S. of N. road 201 ft. E. of W. line	1943	617	1,970	"			Dry		78	
30	9	Union Gas Co. of Canada, Ltd., No. 48	1,700 ft. S. of N. line 100 ft. W. of E. line	1930	620	2,105	"			Dry		65	Salt water at 610, 760, and 1,858 ft.
25	10	Union Gas Co. of Canada, Ltd., No. 122 Dawn Wm. Clifford Estate	993 ft. N. of S. road 72 ft. W. of E. line	1943	618	1,992	"			Dry		100	Sulphur water at 600 to 606 ft. and 644 to 650 ft. Salt water at 1,983 to 1,992 ft.
25	11	Dawn Oil and Gas Co.	2,400 ft. N. of S. line 200 ft. W. of E. line	1932	621	2,150	"			Dry		109	Salt water at 645 and 2,015 ft.
29	11	Union Gas Co. of Canada, Ltd., No. 78	200 ft. N. of centre line 100 ft. W. of centre line	1934	625	2,002	"			Dry		91	Sulphur water at 510 ft. Salt water at 1,990 ft. Show of gas at 1,990 ft.

Wells in Enniskillen Township, Lambton County—Continued

Lot	Con.	Designation	Location	Year drilled	Altitude in feet above sea-level	Depth in feet	Bedrock formation	Producing depth in feet	Producing formation	Yield Mcf. or bbls.	Pressure in lbs. sq. in.	Thickness of drift in feet	Remarks
4	6	Huron Syndicate No. 5		1904		507	Kettle Point			Dry		70	Show of gas at 435 ft. Show of oil.
4	6			1899		530	"					62	Gas at 442 ft.
4	6	Huron Syndicate No. 6		1905		495	"					72	Gas at 450 ft.
6	6			1880						Dry			
9	6			1899		490						90	Some gas.
17	6	Anglo-Canadian Petroleum Co., Ltd.		1907		495	Kettle Point			Dry		78	Show of oil at 467 ft.
5	7	Gray Farm		1907		500	"					74	
6	7	Hyatt Farm	550 ft. N. of S. road 550 ft. E. of W. line	1915		3,963	"			Dry		82	
7	7	Ontario Oil and Lands Co		1899		510	"			Dry		102	Water at 82 and 102 ft. Show of oil at 538 ft.
3	8	Anglo-Canadian Petroleum Co., Ltd.		1917		488	"			Dry		70	Show of gas at 386 ft. Show oil at 386, 455, and 460 ft.
3	8	Huron Syndicate No. 1		1904		510	"			Dry		52	
4	8	Taylor Farm		1907		491	"			Dry		62	
4	8	Taylor Farm		1904		499	"			Dry		101	Show of gas at 380 ft.
29	8	B. D. Bornman W. Rundle No. 1	100 ft. S. of N. road 600 ft. W. of E. line	1937	683	437	"	428–431	Norfolk	4 bbls.		55	Fresh water at 55 ft.
29	8	B. D. Bornman W. Rundle No. 2	200 ft. S. of N. road 300 ft. W. of E. line	1937	683	470	"			Dry		56	Fresh water at 56 ft.
1	9	Faunt Farm				515	"			Dry		100	
1	9	Goring Farm				490				Dry		140	
4	9	McNeil Farm										142	

18	2	Oil Springs Oil and Gas Co., No. 2	2,150 ft. S. of N. line..... 50 ft. W. of E. line	1913	647	3,065	Hamilton	.....	.....	.....	.....	53	Abandoned.
18	2	Sarnia Oil and Gas Co.....	NE. corner of S. ½.....	1932	661	.....	.....	.....	Guelph	.....	.....	.....	
18	2	Oil Springs Oil and Gas Co.....	1,000 ft. N. of S. line..... 800 ft. W. of E. line	1914 (?)	662	2,060	Hamilton	.....	.....	Dry	.....	.....	
18	2	Oil Springs Oil and Gas Co.....	NE. corner of S. ½.....	1914 (?)	.....	.....	.....	.....	.....	.....	.....	.....	
18	2	Imperial Oil, Ltd.....	2,450 ft. S. of N. line..... 800 ft. W. of E. line	1914	662	.....	Hamilton	.....	.....	Dry	.....	.....	
18	2	Oil Springs Oil and Gas Co.....	NW. corner of SE. ¼.....	1914	663	.....	.....	.....	.....	.....	.....	.....	
19	2	Imperial Oil, Ltd..... C. Parks No. 7.....	1,000 ft. S. of N. road..... 650 ft. W. of E. line	1914 (?)	663	3,753	Hamilton	3,485	Trenton	300 Mcf.	.....	47	
19	2	Oil Springs Oil and Gas Co.....	Centre of lot.....	1914	648	.....	.....	.....	Guelph ..	.....	.....	.....	Abandoned.
19	2	Union Natural Gas Co.....	1,000 ft. N. of S. line..... 800 ft. W. of E. line	1914	666	2,052	.....	.....	"	.....	.....	.....	Abandoned.
19	2	Oil Springs Oil and Gas Co.....	700 ft. N. of S. line..... 800 ft. W. of E. line	.....	666	.....	.....	.....	"	.....	.....	.....	
19	2	Union Natural Gas Co.....	SW. Corner.....	.....	663	.....	.....	.....	"	.....	.....	.....	Abandoned.
19	2	Oil Springs Oil and Gas Co.....	NW. corner of S. ½.....	.....	.....	.....	.....	.....	"	.....	.....	.....	Abandoned.
20	2	Oil Springs Oil and Gas Co.....	NW. corner of S. ½.....	.....	669	.....	.....	.....	"	.....	.....	.....	Abandoned.
1	3	J. Peat.....	.....	1891	.....	507	Kettle Point	.....	.....	Dry	.....	64	Salt water at 502 ft.
4	4	H. Porter and Co.....	.....	1908	.....	480	.....	.....	.....	Dry	.....	.....	Show of oil at 455 to 460 ft.
4	5	I. Windover.....	.....	1899	.....	482	Kettle Point	.....	.....	Dry	.....	62	
15	5	Volcanic Gas and Oil Co. Ltd.. John Mackesy No. 1.....	125 ft. W. of E. road..... 150 ft. N. of S. road	1939	656	2,220	"	.....	.....	Dry	.....	63	Fresh water at 79, 552, 640, and 890 ft.
25	5	Union Gas Co. of Canada, Ltd. R. W. Simpson.....	50 ft. N. of S. road..... 75 ft. E. of W. property line	1941	671	2,018	"	.....	.....	Dry	.....	58	Fresh water at 56 ft. Sulphur water at 487 ft. Salt water at 2,011 ft. Show of oil at 720 ft. Show of gas at 182 ft.
23	5	Union Natural Gas Co.....	.....	1927	.....	2,217	.....	.....	.....	Dry	.....	66	
3	6	Anglo-Canadian Petroleum Co., Ltd.	.....	1907	.....	490	Kettle Point	.....	.....	Dry	.....	72	
4	6	Huron Syndicate No. 4.....	.....	1904	.....	500	"	.....	.....	.....	.....	67	

13	9	Clarke Farm				455						100	Oil at 450 to 455 ft. 11 other wells.
24	9	J. Clarke and T. Droope	1,500 ft. S. of N. line 50 ft. W. of E. line		673	498	Kettle Point					67	
25	9	James Wade and D. E. Willits	1,700 ft. S. of N. line 1,000 ft. W. of E. line	1933	675	480	"			Dry		63	Fresh water at 82 ft.
29	9	B. D. Bornman T. Hastings No. 1	100 ft. N. of S. road 700 ft. W. of E. line	1937	683	2,025	"			Dry		57	Fresh water at 57 and 115 ft. Salt water at 480 ft. Show of oil at 428 to 433 ft.
1	10	J. Cann No. 2		1904		467	Hamilton			Dry		145	Show of oil at 400 ft.
8	10	Lamb Farm				472	"	450–464	Norfolk			108	
10	10	C. A. Smith No. 1	NE. Corner	1937	662	480	"	410–465	"	1 bbl.		100	Fresh water at 100 ft.
10	10	C. A. Smith No. 2	900 ft. S. of N. road 500 ft. W. of E. line	1937	676	519	"	400–455	"			86	Fresh water at 100 ft. Small producing oil well.
13	10	F. Howlett No. 4				435	"					60	Fresh water at 80 ft. Oil at 143 ft.
14	10	Petrolia Drilling Co. Geo. Willert No. 2	2,152 ft. S. of N. line 1,348 ft. W. of E. line	1937		472				Dry		94	Fresh water at 96 ft. Show of gas at 445 ft.
14	10	J. Smallman No. 45				520	Hamilton					95	Fresh water at 95 ft. Oil at 475 ft.
14	10	McIntosh Oil and Gas Co., Ltd. F. R. McIntosh No. 1	100 ft. S. of N. road 4,100 ft. W. of Highway No. 21	1937	627	4,124	Kettle Point	418–425	Norfolk			52	Fresh water at 52, 72, and 452 ft. Small producing oil well.
14	10	McIntosh Oil and Gas Co., Ltd. F. R. McIntosh No. 2	1,500 ft. S. of N. road 1,000 ft. W. of E. line	1937	674	460	Hamilton	420–438	"			51	Fresh water at 100 ft. Salt water at 450 ft. Small producing oil well.
14	10	McIntosh Oil and Gas Co., Ltd. G. Willert No. 2	1,950 ft. S. of N. road 900 ft. W. of E. line	1937	674	472	"	445	"			94	Fresh water at 96 ft. Small producing oil well.
3	11	Ball No. 1				469							Show of oil at 426 ft.
5	11	W. Van Antwerp Co. Geo. Droope No. 2	250 ft. N. of S. road 3,370 ft. W. of E. road	1937	656	485	Hamilton			Dry		99	Show of oil at 445 455 ft.
11	11	E. Kelly No. 3				516	"	460	Norfolk			93	Fresh water at 93 ft.
11	11	Carman No. 1	NW. Corner	1905	665	3,777	"			Dry		90	

Wells in Enniskillen Township, Lambton County—Continued

Lot	Con.	Designation	Location	Year drilled	Altitude in feet above sea-level	Depth in feet	Bedrock formation	Producing depth in feet	Producing formation	Yield Mcf. or bbls.	Pressure in lbs. sq. in.	Thickness of drift in feet	Remarks
11	11	A. Winder A. Winder No. 1	1,000 ft. N. of S. line* 15 ft. E. of W. line	1937	.....	468	Hamilton	.....	.....	.....	.....	95	Fresh water at 95 ft. Small oil yield at 455 to 465 ft.
	11	F. H. Edward F. H. Edward No. 2	1,000 ft. S. of N. line* 300 ft. E. of W. line	1937	.....	475	"	440-465	.....	.....	.....	90	Fresh water at 110 ft Salt water at 475 ft. Small producing oil well.
12	11	Imperial Oil, Ltd	200 ft. S. of N. line 850 ft. W. of E. line	.....	673	1,505	"	.....	.....	Dry	.....	104	
12	11	Ernest Kells No. 1	2,000 ft. N. of S. line 400 ft. E. of W. line	1936	664	465	"	435-460	Norfolk	½ bbl.	.....	91	Fresh water at 93 ft.
12	11	E. E. Kells No. 2	SW. Corner	1940	.....	460	"	.....	.....	Dry	.....	93	Fresh water at 96 ft. Salt water at 460 ft. Show of oil at 330 and 345 ft.
12	11	E. Kells No. 1	Town of Petrolia	1935	664	464	"	338-460	Norfolk	.....	.....	94	Fresh water at 93 ft. Small producing oil well.
12	11	E. Kells	75 ft. N. of S. line* 250 ft. W. of E. line	1942	.....	.....	.....	.....	.....	.....	.....	.....	
13	11	Nesbit and Miller	.....	1933	.....	430	Hamilton	.....	.....	1 bbl.	.....	.....	
13	11	M. Collins No. 1	1,700 ft. N. of S. road 500 ft. E. of W. line	1936	675	473	"	473	Norfolk	.....	.....	98	Fresh water at 103 and 115 ft. Salt water at 473 ft. Small producing oil well.
14	11	H.P. Rose No. 1	2,500 ft. S. of N. road 700 ft. W. of E. line	1936	648	455	"	428	"	1 bbl.	.....	65	Fresh water at 75 ft.
14	11	H. P. Rose No. 2	2,600 ft. S. of N. road 900 ft. W. of E. line	1937	656	450	"	425	"	1 bbl.	.....	65	Fresh water at 175 ft. Salt water at 430 ft.
14	11	Charles Egan No. 1	2,150 ft. S. of N. line 700 ft. W. of E. line	1936	651	443	"	425	"	3 bbls.	.....	65	Fresh water at 90 ft.
15	11	G. Carlton No. 1	500 ft. S. of N. road 50 ft. W. of E. road	1937	682	480	"	368-465	"	.....	.....	91	Fresh water at 96 ft.

Wells in Enniskillen Township, Lambton County—Continued

Lot	Con.	Designation	Location	Year drilled	Altitude in feet above sea-level	Depth in feet	Bedrock formation	Producing depth in feet	Producing formation	Yield Mcf. or bbls.	Pressure in lbs. sq. in.	Thickness of drift in feet	Remarks
15	12	McIntosh Oil and Gas Co., Ltd. F. R. McIntosh No. 4.....	500 ft. N. of S. road..... 100 ft. W. of E. road	1937	683	471	Hamilton	.....	.....	Dry	.....	100	Fresh water at 98 ft. Show of oil at 452 to 469 ft.
18	12	C. E. Judson and Co. No. 1.....	1,500 ft. N. of S. line..... 400 ft. E. of W. line	1927	676	520	Kettle Point	.....	.....	Dry	.....	65	
18	12	C. E. Judson and Co. No. 2.....	1,300 ft. N. of S. line ..... 500 ft. W. of E. line	1928	677	495	"	.....	.....	Dry	.....	65	Show of gas and oil at 475 ft.
6	13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10 wells.
9	13	.....	.....	.....	.....	525	Hamilton	.....	.....	Dry	.....	115	Salt water at 525 ft. Show of oil at 440 to 460 ft.
10	13	.....	.....	1872	.....	500	"	.....	.....	Dry	.....	113	Show of oil at 450 ft.
12	13	Barnes No. 7.....	.....	1891	.....	478	"	443–450	Norfolk	.....	.....	99	Small oil producer.
12	13	Barnes No. 8.....	.....	1892	.....	480	"	439–440	"	.....	.....	100	Fresh water at 108 ft. Small oil producer.
12	13	Barnes No. 9.....	.....	1892	.....	478	"	462–468	"	.....	.....	100	Producing oil well.
12	13	Barnes No. 10.....	.....	1892	.....	478	"	440	"	.....	.....	95	Fresh water at 117 ft. Gas at 440 ft.
12	13	Barnes No. 11.....	.....	1892	.....	478	"	.....	.....	.....	.....	109	Fresh water at 112 ft. Show of oil at 440 ft. Show of gas at 432 ft.
12	13	Barnes No. 12.....	.....	1892	.....	465	"	.....	.....	.....	.....	112	
12	13	Barnes No. 13.....	.....	1892	.....	470	"	.....	.....	.....	.....	100	
12	13	Barnes No. 14.....	.....	1892	.....	470	"	435	Norfolk	.....	.....	105	Fresh water at 112 ft. Oil at 435 ft.
12	13	Barnes No. 15.....	.....	1892	.....	470	"	423–440	"	.....	.....	105	Fresh water at 115 ft.
12	13	Barnes No. 16.....	.....	1892	.....	472	"	.....	.....	.....	.....	104	Fresh water at 118 ft.

15	11	Nesbit and Miller		1933		430	"	423	"	1 bbl.		50	
26	11	Van Antwerp P. Strangway No. 1	3,800 ft. N. of S. road 1,700 ft. E. of W. road	1939	683	525	Kettle Point			Dry		60	Fresh water at 65 ft.
24	11	W. J. Hussey No. 1	90 ft. W. of E. road 1,056 ft. N. of 10th concession road	1938		470	Hamilton			Dry		100	Fresh water at 108 ft. Show of oil at 455 ft.
3	12	Elliott No. 1				473				Dry			Show of oil at 422 ft.
3	12	Elliott No. 2				478		431-468	Norfolk				
3	12	Elliott No. 3				480				Dry			
5-6	12												16 producing oil wells.
8	12	McIntosh Oil and Gas Co., Ltd. I. Kirby No. 2	NE. Corner	1937	670	467	Hamilton	448-470	Norfolk			100	Small oil well.
8	12	McIntosh Oil and Gas Co., Ltd. I. Kirby No. 2	400 ft. S. of N. road 250 ft. W. of E. line	1937	670	474	"	450-462	"			100	Fresh water at 105 ft. Small oil well.
10	12	W. J. Cole No. 1	1,500 ft. N. of S. line* 100 ft. W. of E. line	1937		476	"	455				85	Fresh water at 88 ft. Salt water at 475 ft. Small oil well.
11	12	F. H. Edward No. 41	660 ft. E. of W. line* 2,640 ft. N. of blind line	1939		470	"	443-470				92	Fresh water at 112 ft. Small oil well.
11	12	F. H. Edward No. 104	700 ft. S. of N. road 750 ft. E. of W. line	1936	671	480	"	460	Norfolk			93	Fresh water at 110 ft. Salt water at 476 ft. Small oil well.
11	12	Dennis	SW. Corner			500	"			Dry		105	Show of oil at 480 ft.
11	12	Englehart No. 2				667	"						
11	12	J. McMillan Estate		1894-1898									Many wells.
13	12			1872		477	Hamilton	470	Norfolk			100	Gas and oil at 470 ft.
13	12	Hussey Syndicate No. 1	500 ft. E. of W. line 200 ft. N. of S. line	1939		472	"	470	"			98	Fresh water at 110 ft. Producing oil well.
14	12	Lawson No. 1				476	"					100	
15	12	McIntosh Oil and Gas Co., Ltd. F. R. McIntosh No. 3	450 ft. N. of S. road 900 ft. W. of E. road	1937	681	476	"	452-469	Norfolk			100	Fresh water at 98 ft. Small oil well.
15	12	McIntosh Oil and Gas Co., Ltd. F. R. McIntosh No. 1	SE. Corner	1937	682	471	"			Dry		100	Fresh water at 98 ft. Show of oil at 452 to 469 ft.
15	12	McIntosh Oil and Gas Co., Ltd. F. R. McIntosh No. 2	100 ft. N. of S. road 850 ft. E. of W. road	1939	681	480	"	458-475	Norfolk			100	Fresh water at 98 ft. Small oil well.

Wells in Enniskillen Township, Lambton County—Concluded

Lot	Con.	Designation	Location	Year drilled	Altitude in feet above sea-level	Depth in feet	Bedrock formation	Producing depth in feet	Producing formation	Yield Mcf. or bbls.	Pressure in lbs. sq. in.	Thickness of drift in feet	Remarks
10	14	Brooke No. 3	NW. ¼			518	Hamilton					145	
10	14	Brooke No. 4	NW. ¼			522	"					140	
10	14	Brooke No. 5	NW. ¼			524	"					140	
11	14	Dennis No. 5				527	Kettle Point					117	Producing oil well.
11	14												4 other wells.
13	14			1899		515	Kettle Point			Dry		126	Show of oil at 485 ft.

NOTE: There are many wells in this township for which no records are available.
* From application forms at office of the Ontario Natural Gas Commissioner, Toronto.

Wells in Sarnia Township, Lambton County

11	2	Walter Cox	150 ft. S. of N. road, 850 ft. E. of W. line	1924	629	440	Hamilton			Dry		140	Show gas at 440 ft.
13	2	W. Smith	NE. Corner	1924	633	480	"	480	Norfolk	75 Mcf.		149	Gas at 480 ft. Show oil at 480 ft.
3	3	Boyle No. 1	SW. Corner		641	487	"			Dry		150	
5	3	J. H. Hoskins	1,800 ft. N. of S. road, 550 ft. W. of E. line	1889	641	485	Kettle Point					115	Show of oil and gas.
7	3	E. Lucas	100 ft. N. of S. road, 1,300 ft. W. of E. road	1933	640	2,832	Hamilton			Dry		116	Water at 660 and 690 ft. Show oil at 470 ft. Show gas at 485 ft.
10	3	Elsom Proctor	700 ft. N. of S. road, 300 ft. W. of E. line	1925	621	435	"			Dry		120	Show gas at 435 ft.
10	3	Reuben Proctor	1,050 ft. N. of S. road, 800 ft. E. of W. line	1925	619	400	"	390	Norfolk	50 Mcf.		120	
3	4	Robt. Miller	1,500 ft. S. of N. road, 100 ft. E. of W. line		630	475				Dry			Show of oil and gas. Abandoned.

12	13	Barnes No. 17		1892	.....	470	"	440	Norfolk	.....	.....	104	Fresh water at 111 ft. Oil at 440 ft.
12	13	Barnes No. 18		1892	.....	470	"	440	"	.....	.....	104	Oil at 440 ft.
12	13	Barnes No. 19		1892	.....	480	"	.....	.....	.....	.....	102	Fresh water at 113 ft.
12	13	Barnes No. 20		1892	.....	480	"	.....	Norfolk	.....	.....	103	Fresh water at 114 ft. Oil at 440 ft.
13	13	.....	.....	1872	.....	523	"	.....	.....	Dry	.....	120	Show of gas.
15	13	.....	.....	1898	.....	515	Kettle Point	.....	.....	Dry	.....	80	
16	13	C. E. Judson and Co	.....	1928	.....	549	"	.....	.....	.....	.....	70	
20	13	McIntosh Oil and Gas Co., Ltd. R. N. Metcalfe No. 1	1,950 ft. W. of E. road..... 2,040 ft. N. of S. road	1939	649	500	"	.....	.....	Dry	.....	31	Fresh water at 10 ft. Salt water at 490 ft.
6	14	E. Kells No. 2	.....	1932	.....	487	Hamilton	450–475	Norfolk	1 bbl.	.....	185	Fresh water at 185 ft.
7	14	Thomas Josh	NE. Corner	1932	700±	507	"	.....	.....	Dry	.....	180	Fresh water at 185 ft. Salt water at 470 ft. Show of gas and oil at 465 ft.
8	14	Eli and Thomas Josh	SE. Corner	1931	.....	503	Kettle Point	.....	.....	Dry	.....	180	Fresh water at 185 ft. Show of oil at 485 ft.
8	14	B. Josh No. 1	510 ft. N. of S. line*..... 850 ft. W. of E. line	1941	.....	495	Hamilton	.....	.....	Dry	.....	150	Fresh water at 150 ft. Salt water at 480 ft. Show of oil at 455 ft.
9	14	.....	.....	.....	.....	464	Kettle Point	.....	.....	.....	.....	121	Gas at 428 ft. Gas and oil at 464 ft.
10	14	Hendy No. 1	.....	.....	.....	525	"	.....	.....	.....	.....	113	
10	14	Hendy No. 2	.....	.....	.....	537	"	447	Norfolk	5 bbls.	.....	118	
10	14	Hendy No. 3	.....	.....	.....	522	"	453	"	.....	.....	120	
10	14	Hendy No. 4	.....	.....	.....	525	"	455	"	.....	.....	112	
10	14	Hendy No. 5	.....	.....	.....	526	"	.....	.....	.....	.....	135	
10	14	Hendy No. 6	.....	.....	.....	530	Hamilton	.....	.....	.....	.....	148	Producing oil well.
10	14	Hendy No. 7	.....	.....	.....	530	"	.....	.....	.....	.....	148	Producing oil well.
10	14	Hendy No. 8	.....	.....	.....	520	"	.....	.....	Dry	.....	145	Show of oil.
10	14	Hendy No. 9	.....	.....	.....	526	Kettle Point	.....	.....	.....	.....	146	
10	14	Brooke No. 1	NW. ¼	.....	.....	524	Hamilton	.....	.....	.....	.....	155	
10	14	Brooke No. 2	NW. ¼	.....	.....	.....	"	.....	.....	.....	.....	153	

Wells in Dawn Township, Lambton County—Concluded

Lot	Con.	Designation	Location	Year drilled	Altitude in feet above sea-level	Depth in feet	Bedrock formation	Producing depth in feet	Producing formation	Yield Mcf. or bbls.	Pressure in lbs. sq. in.	Thickness of drift in feet	Remarks
33	9	Union Gas Co. of Canada, Ltd. A. McMurphy No. 1.	1,000 ft. E. of W. line..... 300 ft. N. of S. line.	1951	662	1,972	Kettle Point	1,813	.....	112 Mcf.	.....	65	Fresh water at 58 ft. Sulphur water at 374, 467, and 535 ft. Salt water at 1,921 ft. Show of oil at 374 ft.
33	9	Union Gas Co. of Canada, Ltd. M. Oliver No. 1.	600 ft. S. of N. line..... 1,325 ft. W. of E. road.	1952	664	2,045	"	.....	.....	Dry	.....	62	Sulphur water at 530 ft. Salt water at 1,930 ft.
19	10	Imperial Oil Limited..... T. Dalton No. 1.	240 ft. S. of N. line..... 100 ft. E. of W. line.	1950	646	2,015	"	.....	.....	Dry	.....	48	Fresh water at 45 ft. Sulphur water at 345 ft. Salt water at 1,905 ft.
28	10	Imperial Oil Limited..... D. E. Zavitz No. 1.	50 ft. E. of W. line..... 50 ft. N. of S. line.	1947	661	520	"	.....	.....	Dry	.....	61	Fresh water at 59 ft.
14	12	Union Gas Co. of Canada, Ltd. Lyle Williams No. 1.	662 ft. S. of N. line..... 100 ft. W. of E. road.	1948	626	1,735	"	.....	.....	Dry	.....	44	Fresh water at 44 ft. Sulphur water at 340 ft. Salt water at 1,653 ft. Shows of oil at 1,605, 1,617, and 1,677 ft.
15	13	Union Gas Co. of Canada, Ltd. A. and S. Brentz No. 1.	95 ft. S. of road..... 100 ft. E. of centre line.	1948	633	1,761	"	.....	.....	Dry	.....	40	Fresh water at 40 ft. Sulphur water at 324 ft. Salt water at 1,728 ft.

Wells in Enniskillen Township, Lambton County

Southern

12	1	Union Gas Co. of Canada, Ltd. J. McDonald No. 1.	3,632 ft. N. of S. road.... 150 ft. W. of E. road.	1948	654	2,028	Hamilton	.....	.....	Dry	.....	77	Fresh water at 70 ft. Sulphur water at 400 to 512 ft. Salt water at 2,016 ft. Show of oil at 315 ft.
29	1	Union Gas Co. of Canada, Ltd. S. Mills No. 1.	200 ft. N. of S. road..... 250 ft. W. of E. line.	1952	670	1,884	Kettle Point	1,618–1,751	Salina	353 Mcf.	805	50	Fresh water at 48 ft. Sulphur water at 550 ft. Salt water at 1,800 and 1,835 ft.
1	2	Imperial Oil Ltd..... J. A. Campbell No. 1.	1,000 ft. N. of S. line..... 200 ft. W. of E. line.	1947	628	615	"	.....	.....	Dry	.....	64	Fresh water at 68 ft. Salt water at 515 ft.

22	2	Union Gas Co. of Canada, Ltd. W. Abrahams No. 2.	100 ft. N. of S. line..... 100 ft. W. of E. line.	1951	631	2,040	"	.....	.....	Dry	.....	72	Fresh water at 70 ft. Sulphur water at 740 and 780 ft. Salt water at 1,683 and 1,932 ft. Show of oil at 1,657 ft. Show of gas at 1,915 ft.
22	2	Union Gas Co. of Canada, Ltd. W. Abrahams No. 1.	75 ft. N. of S. line..... 100 ft. E. of centre line.	1951	628	1,924	"	1,658 1,897-1,915	Salina Guelph	590 Mcf.	683	77	Fresh water at 77 ft. Sulphur water at 638 to 661 ft. Salt water at 1,670 to 1,676 ft.
23	2	Union Gas Co. of Canada, Ltd. E. Green No. 2.	1,610 ft. W. of E. road.... 150 ft. N. of S. line.	1950	629	2,060	"	.....	.....	Dry	.....	63	Fresh water at 63 ft. Sulphur water at 648 and 680 ft. Salt water at 1,665 and 1,695 ft. Show of oil and gas at 1,801 ft.
24	2	Union Gas Co. of Canada, Ltd. J. N. McLachlin No. 3.	75 ft. S. of N. line..... 75 ft. E. of centre line..	1947	628	1,825	"	1,556-1,746	Salina Guelph	9,000 Mcf.	24	80	Fresh water at 78 ft. Sulphur water at 605 ft.
25	2	Union Gas Co. of Canada, Ltd. Fred Sands No. 2.	410 ft. W. of centre line.. 100 ft. N. of S. line.	1947	627	1,825	"	1,586-1,788	Guelph	8,560 Mcf.	24	78	Fresh water at 80 ft. Sulphur water at 500 ft.
33	2	Union Gas Co. of Canada, Ltd. N. and V. Wilson No. 1.	400 ft. S. of N. line..... 450 ft. E. of W. road.	1952	629	1,734	"	1,621-1,734	Salina Guelph	6,014 Mcf.	878	72	Fresh water at 72 ft. Sulphur water at 600 ft.
19	7	Union Gas Co. of Canada, Ltd. R. and N. Broad No. 1.	1,770 ft. W. of E. line..... 300 ft. N. of S. line.	1951	651	2,016	"	.....	.....	Dry	.....	65	Fresh water at 60 ft. Sulphur water at 390 ft.
29	7	Mud Island Oil Synd. No. 1.... W. J. Loosemore.	635 ft. S. of N. line..... 365 ft. W. of E. road.	1944	657	1,175	"	.....	.....	Dry	.....	60	Fresh water at 60 ft. Black water at 560 ft.
25	8	Union Gas Co. of Canada, Ltd. S. Johnston No. 2.	880 ft. E. of W. road.... 125 ft. N. of S. line.	1944	660	1,901	"	1,572-1,606	Guelph	79 Mcf.	190	66	Fresh water at 59 ft. Sulphur water at 565 ft. Salt water at 1,873 and 1,879 ft.
29	8	Union Gas Co. of Canada, Ltd. E. Strevel No. 1.	750 ft. N. of S. line..... 700 ft. E. of W. line.	1951	656	2,070	"	.....	.....	Dry	.....	55	Fresh water at 53 ft.
31	8	E. A. Roth..... H. S. Murphy No. 1.	990 ft. N. of S. road..... 1,080 ft. W. of E. line.	1946	660	600	"	.....	.....	Dry	.....	45	Fresh water at 45 ft. Black sulphur water at 420 and 460 ft.
32	9	Union Gas Co. of Canada, Ltd. L. Jinks No. 1.	400 ft. S. of N. line..... 1,600 ft. W. of E. line.	1951	664	2,042	"	.....	.....	Dry	.....	66	Fresh water at 60 ft. Sulphur water at 439 ft. Salt water at 1,974 ft. Show of gas at 1,778 ft.
32	9	Union Gas Co. of Canada, Ltd. L. Jinks No. 2.	1,000 ft. W. of E. road.... 100 ft. N. of S. line.	1952	663	2,050	"	.....	.....	Dry	.....	77	Fresh water at 75 ft. Sulphur water at 420 ft. Salt water at 1,942 ft.

Wells in Enniskillen Township, Lambton County—Concluded

Lot	Con.	Designation	Location	Year drilled	Altitude in feet above sea-level	Depth in feet	Bedrock formation	Producing depth in feet	Producing formation	Yield Mcf. or bbls.	Pressure in lbs. sq. in.	Thickness of drift in feet	Remarks
4	12	E. A. Roth..... R. Vanderburg No. 1.	700 ft. N. of S. line..... 30 ft. E. of W. road.	1946	660	512	.....	.....	.....	Dry	.....	134	Fresh water at 134 ft. Black sulphur water at 512 ft.
6	12	N. E. de Mers..... N. Simmons No. 1.	1,000 ft. S. of N. road..... 300 ft. E. of W. line.	1950	665	483	Hamilton	.....	.....	Dry	.....	100	Fresh water at 128 ft. Sulphur water at 417 ft. Show of gas and oil at 417 ft. Show of oil at 445 ft.
24	12	Imperial Oil Ltd..... J. Kelly No. 1.	500 ft. S. of N. line..... 375 ft. W. of E. line.	1946	682	446	Kettle Point	.....	.....	Dry	.....	92	Fresh water at 74 ft.
24	12	Imperial Oil Ltd..... J. Kelly No. 2.	1,000 ft. S. of N. line..... 350 ft. W. of E. line.	1946	683	201	"	.....	.....	Dry	.....	60	
26	12	Imperial Oil Ltd..... J. Stonehouse No. 1.	200 ft. S. of N. road..... 100 ft. W. of E. line.	1946	684	175	"	.....	.....	Dry	.....	55	
28	12	Imperial Oil Ltd..... M. and R. Jeffs No. 1.	925 ft. S. of N. line..... 100 ft. W. of E. line.	1952	688	680	"	.....	.....	Dry	.....	60	Fresh water at 60 ft. Sulphur water at 545 ft. Show of gas at 66 ft.
19	13	Imperial Oil Limited..... A. and W. Smale No. 1.	75 ft. S. of N. line..... 75 ft. E. of W. line.	1952	686	2,364	"	.....	.....	Dry	.....	71	Sulphur water at 560 ft.
7	14	E. L. Roth..... W. Ford No. 1.	2,650 ft. S. of N. line..... 475 ft. W. of E. line.	1950	667	530	Hamilton	.....	.....	Dry	.....	168	Fresh water at 172 ft. Salt water at 530 ft.
7	14	E. L. Roth..... W. Ford No. 2.	2,700 ft. S. of N. line..... 400 ft. E. of W. line.	1950	701	510	"	450-460	Dundee	½ bbl.	.....	180	

Wells in Moore Township, Lambton County

27	R.R.	Imperial Oil Ltd..... M. Burgess No. 1.	200 ft. N. of S. line..... 1,600 ft. W. of E. line.	1950	621	2,665	Port Lambton	.....	.....	Dry	.....	150	Fresh water at 130 ft. Sulphur water at 863 and 925 ft. Show of gas at 2,564 ft.
51	R.R.	W. D. Kennedy..... Mrs. M. Bell No. 1.	140 ft. E. of highway No. 40. 132 ft. N. of S. line.	1945	638	900	Kettle Point	.....	.....	Dry	.....	164	Well not completed.

26	9	Imperial Oil Ltd. A. Law No. 1.	1,000 ft. N. of S. line. 900 ft. W. of E. line.	1946	677	720	"	402 455	Dundee	3 bbls.		55	Fresh water at 55 ft. Sulphur water at 225 ft. Salt water at 600 ft.
26	9	Imperial Oil Ltd. A. Law No. 2.	670 ft. S. of N. line. 900 ft. W. of E. line.	1946	678	525	"			Dry		56	Fresh water at 65 ft.
27	9	Imperial Oil Ltd. E. A. Freer No. 1.	850 ft. S. of N. line. 200 ft. W. of E. line.	1946	681	415	"	387 400	Dundee	12 bbls.		66	Fresh water at 70 ft. Show of gas at 140 ft.
28	9	Imperial Oil Ltd. Byron Moore No. 1.	1,700 ft. N. of S. road. 150 ft. E. of centre line.	1946	683	410	"	345 392	Dundee	12 bbls.		56	Fresh water at 54 ft.
28	9	Imperial Oil Ltd. Byron Moore No. 2.	2,320 ft. N. of S. line. 50 ft. E. of centre line.	1947	684	480	"			Dry		61	Fresh water at 59 and 61 ft. Show of gas at 160 ft. Show of oil at 445 ft.
10	10	E. A. Roth Norman Stuchberry No. X-1.	3,100 ft. S. of Petrolia St. 100 ft. W. of E. line.	1946	661	493	Hamilton			Dry		104	Fresh water at 37 ft. Salt water at 472, 485, and 490 ft. Shows of oil.
11	10	Petrolia Old Boys Greenwood Park Assoc. No. 1.	1,320 ft. S. of N. road. 890 ft. W. of E. line.	1946	662	470	"			Dry		93	Fresh water at 93 and 110 ft. Sulphur water at 160 ft. Show of oil and gas.
16	10	Plainsman Oil and Gas Co. A. Welch No. 1.	245 ft. S. of N. road. 1,070 ft. E. of W. road.	1948	668	480	"	464–476	Dundee	½ bbl.		80	Fresh water at 91 ft. Sulphur water at 480 ft.
16	10	Plainsman Oil and Gas Co. A. Welch No. 2.	540 ft. S. of N. road. 1,070 ft. E. of W. road.	1948	667	482	"	464–478	Dundee	½ bbl.		82	Fresh water at 91 ft. Sulphur water at 480 ft.
17	10	J. E. Reddick A. Blackmore No. 1.	195 ft. S. of N. line. 780 ft. E. of W. line.	1948	668	478	"	464–471	Dundee	½ bbl.		80	Fresh water at 90 ft. Sulphur water at 478 ft.
29	10	Imperial Oil Ltd. W. Shortt No. 1.	1,150 ft. N. of S. line. 500 ft. E. of W. line.	1946	683	544	Kettle Point			Dry		47	Fresh water at 39, 52, and 58 ft. Black water at 542 ft. Shows of gas at 52 and 58 ft.
3	11	A. M. Mahatty M. Vokes No. 1.	50 ft. N. of S. line. 640 ft. W. of E. line.	1947	656	480	Hamilton			Dry		107	Fresh water at 130 ft. Black water at 480 ft. Show of oil at 460 ft.
16	11	Gregory Hogan O. Nichols No. 2.	1,100 ft. N. of S. line. 330 ft. E. of W. line.	1949	668	481	"	460–468	Dundee	½ bbl.		85	Fresh water at 102 ft. Sulphur water at 480 ft.
16	11	Plainsman Oil and Gas Co. O. Nichols No. 1.	220 ft. E. of W. line. 625 ft. N. of S. road.	1948	668	482	"	456–474	Dundee	1 bbl.		84	Fresh water at 101 ft. Sulphur water at 482 ft.
17	11	Plainsman Oil and Gas Co. Eric Rawson No. 1.	300 ft. N. of S. line. 650 ft. W. of E. line.	1948	669	480	"	464–474	Dundee	½ bbl.		84	Fresh water at 96 ft. Sulphur water at 480 ft.
18	11	Plainsman Oil and Gas Co. F. Irwin No. 1.	300 ft. N. of S. line. 150 ft. E. of W. line.	1948	671	480	"	464–474	Dundee	½ bbl.		82	Fresh water at 97 ft. Sulphur water at 480 ft.

Wells in Enniskillen Township, Lambton County—Continued

Lot	Con.	Designation	Location	Year drilled	Altitude in feet above sea-level	Depth in feet	Bedrock formation	Producing depth in feet	Producing formation	Yield Mcf. or bbls.	Pressure in lbs. sq. in.	Thickness of drift in feet	Remarks
11	6	Union Gas Co. of Canada, Ltd. D. Brand No. 1.	1,800 ft. W. of E. line..... 75 ft. S. of N. road.	1952	.....	2,258	Kettle Point	.....	.....	Dry	.....	70	Fresh water at 70 ft. Sulphur water at 580 ft. Salt water at 1,813 and 1,875 ft. Show of oil at 1,813 ft.
1	8	Union Gas Co. of Canada, Ltd. E. Bruton No. 1.	520 ft. S. of N. road..... 1,798 ft. E. of W. road.	1952	644	2,172	"	.....	.....	Dry	.....	88	Fresh water at 415 and 450 ft. Sulphur water at 480 ft. Salt water at 2,136 and 2,148 ft. Show of gas at 415 and 450 ft. Show of oil at 2,104 ft.
2	8	Union Gas Co. of Canada, Ltd J. Hills and Industrial Mortgage and Trust Co. No. 1.	150 ft. S. of centre line.. 200 ft. E. of centre line.	1952	642	2,256	"	.....	.....	Dry	.....	64	Sulphur water at 500 ft. Show of gas at 610 ft. Show of oil at 467 ft.
3	8	Union Gas Co. of Canada, Ltd. J. Hillis No. 1.	1,600 ft. W. of E. road.... 1,300 ft. N. of S. line.	1952	645	2,314	"	.....	.....	Dry	.....	62	Sulphur water at 500 ft.
23	8	Imperial Oil Ltd..... V. Jardine No. 1.	50 ft. S. of N. road..... 50 ft. W. of E. line.	1946	672	431	"	414	Dundee	4 bbls.	.....	50	Fresh water at 52 ft.
24	8	Imperial Oil Ltd..... L. Campbell No. 1.	350 ft. N. of S. line..... 550 ft. E. of W. line.	1946	672	500	"	.....	.....	Dry	.....	40	Fresh water at 43 ft. Sulphur water at 500 ft. Show of oil at 360 and 448 ft.
25	8	Imperial Oil Ltd..... S. E. Watt No. 1.	2,000 ft. S. of N. line..... 200 ft. E. of W. line.	1946	647	560	"	.....	.....	Dry	.....	45	Fresh water at 45 ft. Sulphur water at 495 ft.
26	8	Imperial Oil Ltd..... C. A. Worts No. 2.	300 ft. S. of N. road..... 150 ft. W. of E. line.	1947	678	425	"	.....	.....	Dry	.....	50	Fresh water at 52 ft. Show of oil at 407 ft.
27	8	Imperial Oil Ltd..... Worts No. 1.	2,660 ft. S. of N. line..... 75 ft. E. of W. line.	1946	676	495	"	383-427	Detroit River	5 bbls.	.....	42	Sulphur water at 495 ft. Show of gas at 130 ft.
2	9	Union Gas Co. of Canada, Ltd.. J. Stapleton No. 1.	90 ft. N. of S. road..... 90 ft. E. of centre line.	1952	643	2,328	"	.....	.....	Dry	.....	80	Fresh water at 80 ft. Sulphur water at 520, 600, and 630 ft.
7	9	E. Roth..... E. Douglas No. 1.	1,050 ft. N. of S. road..... 135 ft. E. of W. road.	1946	654	500	"	.....	.....	Dry	.....	61	Fresh water at 60 ft. Black water at 498 ft.

3	2	E. R. Wilson and Associates.... Leslie Hall No. 1.	160 ft. W. of E. road.... 1,160 ft. S. of N. road.	1944	632	515	"	.....	.....	Dry	.....	60	Fresh water at 65 ft.
13	2	Union Gas Co. of Canada, Ltd. I. James No. 1.	2,200 ft. S. of N. road..... 100 ft. E. of W. road.	1948	654	2,038	Hamilton	.....	.....	Dry	.....	64	Fresh water at 75 ft. Sulphur water at 368 to 406 ft. Salt water at 2,020 ft.
17	2	H. M. Morninstar No. 10.....	30 ft. E. of W. line..... 2,000 ft. S. of N. line.	1950	660	385	"	348-385	Dundee	½ bbl.	.....	50	Fresh water at 65 and 267 ft.
17	2	N. E. de Mers No. 2.....	1,400 ft. N. of S. line..... 825 ft. E. of W. line.	1952	660	380	"	330-380	"	½ bbl.	.....	54	Fresh water at 52 ft. Brackish water at 262 ft.
32	2	Imperial Oil Ltd..... P. Hansford No. 1.	38 ft. W. of E. road.... 53 ft. N. of S. line.	1946	674	500	Kettle Point	.....	.....	Dry	.....	67	Fresh water at 65 and 116 ft.
2	3	James Beattie..... B. Piggott No. 1.	2,200 ft. N. of S. line..... 500 ft. W. of E. line.	1946	637	487	"	.....	.....	Dry	.....	72	Fresh water at 88 ft. Salt water at 478 ft. Show of oil at 432 ft.
4	3	Union Gas Co. of Canada, Ltd. C. H. Piggott No. 1.	2,600 ft. N. of S. road..... 104 ft. W. of E. line.	1948	645	2,144	"	.....	.....	Dry	.....	71	Sulphur water at 522 ft. Salt water at 1,350 and 2,132 ft.
15	3	Union Gas Co. of Canada, Ltd. J. Webb No. 1.	1,151 ft. N. of S. road..... 1,225 ft. W. of E. road.	1952	655	2,122	"	.....	.....	Dry	.....	75	Fresh water at 75 ft. Sulphur water at 586 and 643 ft. Show of oil at 75 ft. Show of gas at 1,899 ft.
1	4	Union Gas Co. of Canada, Ltd. A. Bruce No. 1.	2,400 ft. S. of N. road..... 1,600 ft. E. of W. line.	1952	637	2,210	"	.....	.....	Dry	.....	75	Sulphur water at 630 and 730 ft. Show of gas at 1,756 ft.
10	4	E. A. Roth..... E. J. Ryan No. 1.	520 ft. S. of N. road..... 165 ft. E. of W. road.	1946	753	705	"	.....	.....	Dry	.....	68	Fresh water at 68 ft. Black sulphur water at 705 ft.
12	4	Union Gas Co. of Canada, Ltd. Industrial M. and L. No. 2.	2,086 ft. S. of N. road..... 100 ft. W. of E. road.	1946	627	2,059	"	.....	.....	Dry	.....	43	Fresh water at 45 ft. Sulphur water at 520 and 680 ft. Salt water at 2,025 ft. Show of oil at 2,025 ft.
16	4	Union Gas Co. of Canada, Ltd. G. E. Anderson No. 3.	3,812 ft. E. of W. road.... 75 ft. N. of S. road.	1946	657	2,070	"	.....	.....	Dry	.....	97	Fresh water at 85 ft. Sulphur water at 745 ft. Salt water at 2,030 ft. Show of oil at 1,285 ft.
6	5	Union Gas Co. of Canada, Ltd. J. A. Salts No. 1.	75 ft. N. of S. road..... 75 ft. W. of E. road.	1947	650	2,185	"	.....	.....	Dry	.....	92	Fresh water at 82 ft. Sulphur water at 747 and 800 ft.
29	5	Betcher Oil and Gas Co. Ltd... L. Lassaline No. 1.	1,200 ft. S. of R.R..... 200 ft. W. of centre line.	1951	.....	136	"	.....	.....	Dry	.....	55	Show of gas at 53 ft.

WELL	TOWNSHIP	LOT	CONC.	ELEV.	TOTAL DEPTH	HAMILTON			HAMILTON			DUNDEE EQUIV.			DETROIT RIVER			ISLAND			[illegible]	
						Top	Base	Thick.	Top	Base	Thick.	Top	Base	Thick.	Top	Base	Thick.	Top	Base	Thick.	Top	Base
's Mill #1	Dawn	28	10	661	580	+600	+585	65	+595	+294	241	+294	+181	113	+181							
dine #1	Ennistillen	23	8	672	429	+622	+578	44	+578	+325	253	+325										
nehouse #1	"	26	12	684	171	+630	+546	84														
nsford #1	"	32	2	674	500	+609	+564	45	+564	+319	245	+319	+280	89	+280							
w #1	"	26	9	677	720	+622	+587	35	+587	+336	251	+336	+212	124	+212							
" #2	"	26	9	678	525	+629	+591	31	+591	+323	268	+323	+228	95	+228							
att #1	"	25	8	674	560	+629	+569	60	+569	+334	235	+334	+252	82	+252							
elly #1	"	24	12	682	446	+619	+511	108	+511	+258	253	+258										
" #2	"	24	12	683	201	+623	+536	87	+536													
oove #1	"	28	9	683	410	+629	+587	42	+587	+338	249	+338										
reer #1	"	27	9	681	410	+615	+601	14	+601	+333	268	+333										
bartt #1	"	29	10	683	544	+636	+570	66	+570	+304	266	+304	+202	102	+202							
ilsoncroft #1	"	24	8	672	500	+629	+569	60	+569	+325	244	+325	+237	88	+237							
" #2	"	26	8	678	425	+626	+586	40	+586	+335	251	+335										
" #4	"	28	9	680	480	+619	+591	28	+591	+330	261	+330	+240	90	+240							
romax #1	"	1	2	628	615	+564	+498	66	+498	+253	245	+253	+158	95	+158							
rts #1	"	27	8	676	495	+634	+581	53	+581	+326	255	+326	+236	90	+236							
Tempest #1	"	28	12	688	680	+628	+550	72	+550	+282	268	+282	+175	107	+175							
Bear #1	"	19	13	689	2364 669	+619	+535	84	+535	+259	276	+259	+165	94	+165	-324	489	-324	-425	101	-425	-1570

Lot 6, Con. VII, Enniskillen tp. D. Wright, driller.

Elev. 656

Formation	Thickness ft.	Depth ft.
Surface	82	82
Brown shale	80	162
Limestone	70	232
Blue shale & soap	120	352
Limestone	15	367
Blue shale	50	417
Corniferous lime	200	617
Onondaga	643	1260
Salt 1st	40	1300
Dolomite	280	1580
Second salt	70	1650
Dolomite	45	1695
Third salt	145	1840
Dolomite	125	1965
Salt 4th same log overleaf	70	2035
Guelph & Niagara	85	2120
Niagara shale	50	2170
Gypsum?	20	2190
Clinton	60	2250
Red Medina sand	5	2255
Blue shale	150	2405
White Medina Manitoulin	20	2425
~~Red Medina~~ Queenston	145	2570
Hudson River	145	2715
White shale	184	2899
Trenton	716	3615
Chazy formation	348	3963

Lot 18, Con. 1, Enniskillen tp. Donnelly well # 5.

Completed June 13, (1914)? David Tripplehorn, driller

Formation	Depth ft.	Total ft.	
		Elev. about 664	
Top of salt		1325	
Bottom of salt	500'	1825	
First gas } Guelph?		1860	} 850 000 cuft
Second gas }		1925	
Top of Medina sand Prob. Cabot Head Red Shale		2020	
Bottom of " "		2040	
Total depth		2132	

Ont Bur Mines Vol. XXIV Pt I. 1915

G.A. Mickle says of Oil Springs Gas Field — The original pressure was up to 840 lbs. (Dr. Fairbank gives 858) and Gas was found at 1900 to 2000 ft. Up to the end of 1914 21 wells were drilled of which 11 were dry and 10 producing.

Lot 6, Con. VII, Enniskillen tp. D. Wright , driller

Elev. 656.

Formation	Thickness ft.	Depth ft.
Surface	82	82
Brown shale	80	162
Limestone	70	232
Blue shale & soap	120	352
Limestone	15	367
Blue shale	50	417
Corniferous lime	200	617
Onondaga	643	1260
Salt 1st	40	1300
Dolomite	280	1580
2nd. salt	70	1650
Dolomite	45	1695
3rd. Salt	145	1840
Dolomite	125	1965
Salt 4th	70	2035
Guelph & Niagara	85	2120
Niagara shale	50	2170
Gypsum?? Rochester Shale	20	2190
Clinton	60	2250
Red Medina sand Cabot Head Shale	5	2255
Blue shale	150	2405
White Medina Manitoulin Dolomite	20	2425
Red Medina Queenston shale	145	2570
Hudson R. shale	145	2715
White shale ?(Black)	184	2899
Trenton limestone	716	3615
Chazy formation	348	3963

Same log overleaf

OIL SPRINGS OIL & GAS Co. #4. G. Donald.
ENNISKILLEN TP. lot. 19. Con. II Stover. Driller
Comp. May. 29th 1914. Elev. 662.

Top of Salt	1225
Bottom of Salt	1790
Top of gas sand	1925
Bottom of gas sand	1940
Top of Medina sand	2015
Bottom of medina sand	2040
Total Depth	2052

Casing
62' — 10"
420' — 8¼"
963' — 6¼"

OIL SPRINGS OIL & GAS Co. G.E. Hartly Driller (1928?)

Started in an old well at	410 - 410
Buff & grey dolomite	560 - 970
Grey shale & gypsum	170 - 1140
Dolomitic shale	70 - 1210
Salt, grey shale, buff & grey dolomite with gypsum	570 - 1780
Guelph dolomite ?	220 - 2000'

Gas in this well depth not stated.

LAMBTON COUNTY

The Crocker-Parks Oil Co., Ltd.,
Oil Springs, Ont.

Lot 19, Con. II, Enniskillen tp.
Well on hill or high land.
Completed ~~1925~~ (?) Old well

Formation	Thickness ft.
Surface	60
Soapstone	240
Limestone	80
	380

Water vein at 235 feet.
248 feet 4-5/8" Iron casing.

The Crocker-Parks Oil Co., Ltd.,
Oil Springs, Ont.

Lot 19, Con. II, Enniskillen tp.
Well on the flats or low land.

Completed ~~1925~~ (?) Old well

Formation	Thickness ft.
Surface	47
Soapstone	210
Limestone	100
	357

Water vein at 200 feet.
215 feet 4-5/8" Iron casing.

Crevice at 370 feet at Oil Springs reported in Royal Commission Report 1896.

OIL SPRINGS OIL & GAS Co. Drilled by Imperial Oil Co.
Enniskillen Tp. lot. 19. Con. II #7. Crocker Parks.
Elev. 660

Formation	Thickness	Depth to Bottom.
Surface	47	47
Top lime	38	85
Soap.	90	175
Shale	2	177
Soap	33	210
Big lime (Onondaga)	150 - 360	
Oil Sand (Oriskany?)	10 - 370	
Sharp sand	710 to 860	
Top salt	1252	
Blue lime	1265	
Salt	1350 to 1620	
Lime	1620 to 1763	
Salt & lime	1763 to 1800	
Hard close black lime	1800 to 1880	
. . . . .		
Trenton	2950 to 3430	
Soft caving formation	3430 to 3435	
Sharp sand	3435 to 3516	
Crevice	3516 to 3519	
Blue shale break in Trenton	3520 to 3528	
Soft brown shale	3528 to 3715 ?	
Sharp sand	3715 to 3728	
Hard shell at bottom Trenton	3745	
"Potsdam"	3745 to 3753	

125

Salt water & oil 295
Black water 435
Big salt water 860

Gas at
3320 - show
3485 - 88 M cu ft.
3506-11 - 219 M cu ft.

125 ft of soap is too little. Log questionable at this point

Oil Springs Logs by Hunt

lot 21 Con I ①	②	③	
Clay 71 - 71	Clay 75	Clay 72	2 and 3 Hunt says are in the same vicinity as No. 1.
Grey shale 315-386	Shale 107 - oil	Gravel 3 -	oil
Lime 70-456		Shale 210 -	oil
oil at base			

Black & Madison well
lot 18 Con I by Theo Rand
Clay 35 ft
Total depth 289
Oil at 272 ft drilled itself in after pumping short while spouted 7' high for 40 hours

LAMBTON COUNTY

Lot 11, Con. XI, Enniskillen tp.
Ed. Kelly farm Well #3

Completed ~~1925~~ (?)

Formation	Thickness ft.	
Surface	93	
Top rock	45	138
Top soap	118	256
Middle lime	15	271
Lower soap	45	~~316~~
	316	

To lower lime 316 feet.

Oil at 460 feet
Some water in top rock.

Lot 13, Con. X, Enniskillen tp.
Fred Howlett farm Well #4
Well located on Flats south of Petrolia.

Completed ~~1925~~ (?)

Formation	Thickness ft.	
Surface	60	
Top rock	56	116
Top soap	120	236
Middle lime	20	256
Lower soap	36	292
To lower lime	292 feet	
Depth of well	435 "	

Oil at 143 feet.
Got supply of water 20 feet in top rock.

Enniskillen Tp. lot 14. Con X
J.E. Smallman #5

Surface	95	
Top rock	50	145
Upper soap	120	265
Middle lime	15	280
Lower soap	40	320
Onondaga lime	155 +	475 +

Struck mud vein at 380
Oil Oil at 475
Some water in Top rock

Hunt 1866 p. 246

Enniskillen
Lot 15 Con IX

Clay	38
Shale etc	222
lime	378
	638

Wells at Petrolia Hunt 66

#	I	II
Clay	57	56
Shale etc	240	244
lime	248	171
Sand st.	25	471
limestone	187	
Sandstone	100	
	857	

ENNISKILLEN TP.

	W½ lot 3 Con VI Drilled 1905	lot 5 Con VII	E½ lot 3 Con VIII 1904	W½ lot 2 Con IX	lot 5 Con III 1905
Driller	A. Forsyth	A Forsyth	A Forsyth	A.E. Randall	Geo Ferguson
Surface	72	74	52	105	130
Black shale	65	65	35	20	---
Top rock	70	75	85	90	50
Top soap	120	120	120	114	130
middle lime	15	15	15	12	15
Lower soap	40	40	45	54	50
Depth to lower lime	382	389	352	395	375
Depth of well	495	500	510	490	490
Gas horizon	450	---	---	416 & 460	450
Oil horizon	—	---	—	416	450

LAMBTON COUNTY

Lot 8, Con. X, Enniskillen tp.
Lamb farm Well #1

Completed ~~1925~~ (?)

Formation	Thickness ft.
Surface	108
Top rock	53
Top soap	120
Middle lime	15
Lower soap	45
To lower lime	341
Total depth	472

Oil at ~~108~~, 450 and 464 feet.

North End E½ Lot 11, Con. XII, Enniskillen tp.
Engleheart farm Well #2

Completed ~~1925~~ (?)

Formation	Thickness ft.
Surface	107
Top rock	58
Top soap	124
Middle lime	17
Lower soap	45
	351

Lower lime 316 feet.

Oil at 462 and 478 feet.
Water at 25 feet in top rock

Whiting well Lot 32 ? Con II SE Cor.
no lot 32 on map

Surface	70	
Shale	40	110
Top rock	75	185
Soap	130	315
Mx. Lime	18	333
Lower Soap	21	354
Limestone	+	

Enniskillen lot 11 Con XI Bradley Estate Petrolia
Drilled by F.J. Carman in 1900
There are 3 logs of this well

Log by Eugene Coste Elev. 667.

Clay		98 - 98
Upper lime - - -		40
Upper soap		127
Middle lime		18
Lower soap - - -		45 - 338
Limestone (Onondaga)	187	525
Sandstone (Oriskany)	50	- 575
Grey & brown lime & dolomite	630	- 1205
Rock Salt mixed with dol.	680	- 1885
Brown & sandy dolomite	145	- 2030
Rock salt	90	- 2120
Limestone - - - - -	225	- 2345
Shales & limestone	50	- 2395
Red shales - - - - -	440	- 2835
Blue & Black shales	375	- 3210
Limestone grey & dark	567	- 3777

Heavy flow of water from soft brown limestone at 970.

Log by W.A. Parks
G.S.C. guide Book No 4. p. 100

Blue shale - - - -		90 - 90
Shale & limestone		240 - 330
Limestones (Oil horizon)		190 - 520
Banded grey brown and black dolomite		690 - 1210
Salt - - - -		65 - 1275
Dolomite		20 - 1295
Salt & dolomite		140 - 1435

- Same as Coskill's log except Parks has a better classification which is shown in Brackets

Log by E.T. Coskill
Ont Bur Mines Vol XIV p. 113

Surface Blue clay		90 - 90
Streaks of lime & shall		240 - 330
Limestone Onondaga.		190 - 520
Streaks of Brown grey and black dolomite		690 - 1210
Salt - - - - -		65 - 1275
Dolomite - - - -		20 - 1295
Salt & thin dolomite -		140 - 1435
Dolomite		30 - 1465
Salt		90 - 1555
Salt with light & dark streaks dolomite		50 - 1605
Salt		25 - 1630
Grey dolomitic lime		10 - 1640
Salt		67 - 1707
Streaks dolomite & salt		40 - 1747
Salt		138 - 1885
Grey dolomitic lime & shale		130 - 2015
Salt		90 - 2105
Dolomitic lime		275 - 2380
Shale red & dark (Rochester Cabot Head)		60 - 2440
Limestone (Manitoulin)		90 - 2530
(Queenston)		275 - 2805
light shale (Richmond Lorraine)		205 - 3010
Dark shales - - -		165 - 3175
Limestone (Trenton)		170 - 3345
do (Birdseye)		115 - 3460
Shale & limestone (Chazy)		317 - 3777

Casing
98' - 13" conductor
186' - 7 5/8
1015' - 6 1/4

WELLS DRILLED on JOHN Mc MILLAN ESTATE PETROLIA

drilled 1894-98 — Lot 11. Con XI Enniskillen — Records from W.M. Gibson

No	112	113	114	115	116	117	119	120	121	1	2	3	4	5	6	7	8	9	10
	1894								1897							South wells near blind line 1898			
Surface	88	88	87	87	86	86	86	86	86	92	93	94	92	94	94	87	87	87	87
Top rock	40	40	40	40	40	40	40	40	40	55	55	55	55	55	55	55	55	55	55
Top soap	145	145	145	145	145	145	145	145	145	125	125	125	125	125	125	125	125	125	125
Middle Lime	15	15	15	15	15	15	15	15	15	12	12	14	13	12	12	13	13	13	13
Lower Soap	40	40	40	40	40	40	40	40	40	45	45	45	45	45	45	45	45	45	45
Big Lime	142	142	141	145	146	146	146	148	147	145	145	145	145	145	145	145	145	145	145
Total Depth	470	470	468	472	472	472	472	474	473	474	475	478	475	476	476	470	470	470	470
" Casing 4 3/8"	270	269	268	268	267	268	269	269	268	274	276	278	276	276	275	269	270	270	268
Top of shot 7'		458	458	463	463	464	463	461	463							458	458		

From Dr Fairbank Book

Ed Rawlings Draders

March 1898 Side Road

Enniskillen

Surface	150
Top rock	55
Soap	138
Lime	14
Soap	45
L. Lime	402

Two wells about 200' apart

No 1. had show 467 @ 2½' Cuttings

No 2 483 @ 14' "

5A of this 14' saturated with oil

Name of Gas or Oil Co. Dr. Fair Banks Year 1914

Address Co. Well No.

Location, County Tp. Ennis Killen Con. 2 Lot 18 Pt. Lot

Driller Address Prop. Owner

Date commenced Date completed 1914 Elev. Acres

DRILLERS LOG (Formation)	Thickness	TOTAL
Surface	75	75
Hamilton	157	232
Lime	998	1230
Salt, dolomite	536	1766
Dolomite	146	1912

WATER RECORD

Kind	Depth	Ft. Rises
Sulfur	260	
"	490	

CASING RECORD

Length	Diam.	Weight

SKETCH OF LOCATION

N. W. E. S.

Type Packer

Size

Set off Bottom feet

Explosive used No. qts. or lbs.

Placed between and ft. from surface

Initial Oil Yield bbls./day. Initial Gas Yield M. cu. ft./day

Rock Pressure lbs. After being shut in Days

1st Gas or Oil 1898-1912 ft. Flow 15 MM cu. ft. or bbls./day

2nd " " " " " " " " " "

3rd " " " " " " " " " "

4th " " " " " " " " " "

5th " " " " " " " " " "

6th " " " " " " " " " "

PRIVATE WELL REPORT

Date _____

Present property owner and date of purchase _____

Names of any owners between original ownership and present owner _____

Present casing record		
Size	Weight	Length

Present condition (operated) (idle) (flooded) (salted) (how often blown) _____

No. of customers served _____ for what purpose _____

Packer _____ Does line cross any public road _____

Present O. F. _____ Is the gas metered _____ When were meters last inspected _____

Present R. P. _____ Size and make of Regulator _____ Low pressure _____ ozs.

Present Annual production _____ Date of clean out _____

When and what casing, tubing, packer or syphon repairs or replacements were made _____

Who made these repairs _____

General Report; should it now be either repaired or plugged _____

Name of Gas or Oil Co. Oil Springs Oil & Gas Co Year 1914

Address Co. Well No.

Location, County Tp. Enniskillen Con. 2 Lot 18 or 19 Pt. Lot

Driller Stover Address Prop. Owner G. Donald #4

Date commenced Date completed May 1914 Elev. Acres

DRILLERS LOG (Formation)	Thickness	TOTAL
		1225
Salt, shaly dolomite	565	1790
Salina, Guelph	135	1925
Gas Sand	15	1940
Guelph, Lockport	75	2015
Rochester, Clinton	37	2052

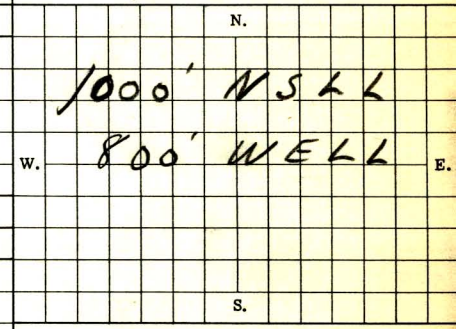
WATER RECORD

Kind	Depth	Ft. Rises

CASING RECORD

Length	Diam.	Weight

SKETCH OF LOCATION



Type Packer

Size

Set off Bottom feet

Explosive used No. qts. or lbs.

Placed between and ft. from surface

Initial Oil Yield bbls./day. Initial Gas Yield M. cu. ft./day

Rock Pressure lbs. After being shut in Days

1st Gas or Oil 1925-1940 ft. Flow ? cu. ft. or bbls./day

2nd " " " " " " " " " "

3rd " " " " " " " " " "

4th " " " " " " " " " "

5th " " " " " " " " " "

6th " " " " " " " " " "

PRIVATE WELL REPORT

Date _____

Present property owner and date of purchase _____

Names of any owners between original ownership and present owner _____

Present casing record		
Size	Weight	Length

Present condition (operated) (idle) (flooded) (salted) (how often blown) _____

No. of customers served _____ for what purpose _____

Packer _____ Does line cross any public road _____

Present O. F. _____ Is the gas metered _____ When were meters last inspected _____

Present R. P. _____ Size and make of Regulator _____ Low pressure _____ ozs.

Present Annual production _____ Date of clean out _____

When and what casing, tubing, packer or syphon repairs or replacements were made _____

Who made these repairs _____

General Report; should it now be either repaired or plugged _____

Name of Gas or Oil Co. Oil Springs Oil & Gas - Imperial Oil Year 1914

Address Co. Well No.

Location, County Tp. Enniskillen Con. 2 Lot 19 Pt. Lot

Driller Imperial Oil Address Prop. Owner Parks

Date commenced Date completed 1914-1915 Elev. Acres

DRILLERS LOG (Formation)	Thickness	TOTAL
Surface	47	
Big Lime at 210?		
Oil Sand	10	370
Top of Salt 1252		
Bottom of bottom salt - 1800		
Top of Trenton 2950		
Trenton break - 3520		
Granite at 3745		
Total depth 3753		

WATER RECORD

Kind	Depth	Ft. Rises
Sulfur	295'	
"	435'	
Salt	860	

CASING RECORD

Length	Diam.	Weight

SKETCH OF LOCATION

N.

1000' SNEL

W. 650' WELL E.

S.

Type Packer

Size

Set off Bottom feet

Explosive used No. qts. or lbs.

Placed between and ft. from surface

Initial Oil Yield bbls./day. Initial Gas Yield M. cu. ft./day

Rock Pressure lbs. After being shut in Days

1st Gas or Oil	360-70	ft. Flow	oil	cu. ft. or bbls./day
2nd " " "	3320	" "	show gas	" " " "
3rd " " "	3485	" "	88 M.	" " " "
4th " " "	3506-11	" "	219 M.	" " " "
5th " " "		" "		" " " "
6th " " "		" "		" " " "

PRIVATE WELL REPORT

Date _____

Present property owner and date of purchase _____

Names of any owners between original ownership and present owner _____

Present casing record

Size	Weight	Length

Present condition (operated) (idle) (flooded) (salted) (how often blown) _____

No. of customers served _____ for what purpose _____

Packer _____ Does line cross any public road _____

Present O. F. _____ Is the gas metered _____ When were meters last inspected _____

Present R. P. _____ Size and make of Regulator _____ Low pressure _____ ozs.

Present Annual production _____ Date of clean out _____

When and what casing, tubing, packer or syphon repairs or replacements were made _____

Who made these repairs _____

General Report; should it now be either repaired or plugged _____

See also under Lambton County.

Well Records in Ontario—Continued

Localities and formations	Thickness Feet	Depth Feet	Depth at which oil or gas occurred
Lambton County—Continued Elev. 667			
"Test Well" near Imperial Oil Co Refinery Driller E. Rawlings			
Petrolia (Geol. Sur. Can., Vol. V, Part II, p. 62Q):			
Surface	104	104	450 Oil 480 "
Hamilton			
Limestone	40	144	
Shale	130	274	
Limestone	15	289	
Shale	43	332	
Limestone	68	400	
Corniferous			
Limestone, soft	40	440	
Limestone, grey	25	465	
Limestone, grey	135	600	
Onondaga, including the Oriskany if present			
Limestone, hard, white, with hard streaks of sandstone from 2 to 5 feet thick	500	1,100	
Gypsum	80	1,180	
Salt and shale	105	1,285	
Gypsum	80	1,365	
Salt and shale	140	1,505	
Top of well 667 feet above tide.			
The oil horizon lies at a depth of from 450 to 480 feet; it occurs in the Corniferous limestone.			
This record may be taken as typical of the wells sunk in the Petrolia field.			
Oil Springs (Geol. Sur. Can., Vol. V, Part II, p. 62Q):			
(East side of field)			
Surface	60	60	370 Oil
Hamilton			
Limestone (upper lime)	35	95	
Shale (upper "soapstone")	101	196	
Limestone (middle lime)	27	223	
Shale (lower "soapstone")	17	240	
Corniferous			
Limestone (lower lime)	130	370	
(West side of field)			
Surface	80	80	370 Oil
Shale (upper "soapstone")	116	196	
Limestone (middle lime)	27	223	
Shale (lower soapstone)	17	240	
Corniferous			
Limestone (lower lime)	130	370	
Oil is found in both these wells at 370 feet, or about 60 feet below the summit of the Corniferous limestone.			
Oil Springs, other wells at (Geol. Sur. Can., Vol. V, Part II, p. 63Q): log by Hunt 1866			
Enniskillen tp., l. 19, con. II.			
Clay 42 feet; shale, etc., 182 feet, at which depth a copious flow of oil was obtained; ~~595 feet lime-stone~~. Well deepened to 595 ft in limestone	Clay 42 Shale etc 182 lime 395	42 224 619	
Enniskillen tp., l. 18, con. II. Test well (by Hunt 1866)			
Depth of well 1,000 feet; clay 77 feet, grey shale, etc., 300 feet, below which only "hard rock" was found, until near the bottom, when soft shales were again met with, in this well small portions of oil were said to have been found by the sand pumps at depths of 210 and 400 feet in the solid rock beneath the shales.	Clay 77 grey shale etc 300 Hard rock Soft shales 1000	77 377	Shows of oil

Englehart says that this well drilled in 1881 Salt struck at 1097 Beds struck at 1380 or 1390 drilled to 1505 with continuous flow of salt water. Can't find Kaye 1895 p. 25

UNION GAS CO. OF CANADA, CHATHAM
Lot 24, con. V, Dawn tp.

Completed November 24, 1933.
Open flow: 212,700 cu. ft.
Rock pressure: 800 lbs.

Formation	Thickness ft.
Surface	70
Huron shale	205
Hamilton shale and lime	285
Onondaga and Detroit River:	
grey and brown lime	400
sharp (sand) lime	140
Grey and brown lime	105
Brown lime and gypsum	5
Blue lime and gypsum	5
Blue and brown lime	480
Blue shale	40
Blue and brown lime	110
Black lime	20
Grey and brown lime	70
Light-grey lime	62
Shale	34
Clinton	8
Red shale	2
Total depth	2,041

Gas at 1,614 and 1,875 feet.
Sulphur water at 700 feet; salt water at 1,645 feet.

UNION GAS CO. OF CANADA, CHATHAM
Lot 24, con. II, Dawn tp.

Completed January 25, 1933
Open flow: 1,328,700 cu. ft.
Rock pressure: 835 lbs.

Formation	Thickness. ft.
Surface	73
Huron shale	182
Hamilton shale and lime	225

ario—Continued

	Thickness Feet	Depth Feet	Depth at which oil or gas occurred
	42	378	
	3	381	
	2	383	
	68	451	

his well are

Crystalline			395
Soft, browner, more crystalline			400
Grey, oil came in			402½
Hard			405
Brown and more sandy			407½
Crystalline			410
			412
			417½
			422½
			425
			427½
			430
			437½

*Moore tp., West half lot 2, Con. V. Furnished by John

about 475 to 490 feet in depth. The following log of a well drilled on the Lawson property, in Petrolia (formerly south part of lot 14, concession XII, Enniskillen) may be considered as typical of the field.[1] By Dr. C.O. Fairbanks

	Thickness.	Depth.
Surface	100	100
Ipperwash limestone or "top rock"	50	150
Petrolia shale or "upper soap"	134	284
Widder beds or "middle lime"	15	299
Olentangy shale or "lower soap"	45	344
Delaware limestone or "lower" or "big lime" about	50	394
Onondaga limestone, penetrated	82	476

Oil-bearing rock reported to be from 462 to 471 feet in depth.

On the edges of the field the formations are lower and the wells in consequ have to be drilled deeper.

Lower soapstone	45	380
Total depth of well		490

Depth of lower lime, 380 feet.

*Moore tp., East half lot 4, con. VIII. Furnished by John D.

Location. On property belonging to Dr. C. O. Fairbank, lot 18, concession II, Enniskillen township.

	Thickness.	Depth.
Surface	76	76
Petrolia shale or "upper soap"	113	189
Widder beds or "middle lime"	17	206
Olentangy shale or "lower soap"	25	231
Delaware and Onondaga limestone penetrated to	163	394

Oil crevice at 240 feet.
Oil rock between 331 and 351 feet.

D. Noble, Petrolia:

Surface	144	144
Top rock	60	204
Top soapstone	120	324
Middle lime	14	338
Lower soapstone	50	388
Total depth of well		500

Depth of lower lime, 388 feet.

Well Records in Ontario—Continued

Localities and formations	Thickness Feet	Depth Feet	Depth at which oil or gas occurred
Oil Springs Well. Elev 660			
Lambton County—Continued			
Log furnished by Dr. Fairbanks			
Enniskillen tp., l. 18, con. II, Fairbanks well (Ont. Bur. Mines, Vol. XXIII, Part I, p. 36): March 1914.			
Surface	75	75	1,898 to 1,912 Gas
Top soapstone	106	181	
Lime Middle	17	198	Oil at 265 & 420
Lower soapstone	34	232	Water 260 & 490.
Limestone and dolomite	998	1,230	
Salt	35	1,265	
Dolomite	57	1,322	
Salt and hard streak	238	1,560	
Brown dolomite	166	1,726	Open Flow
Salt	40	1,766	
Dolomite	127	1,893	Open Flow 15 million
Dolomite (light)	5	1,898	Rock Pres. 830
Dolomite gas rock Gas at 1898 (Middle)	14	1,912	(Middle)
Oil Springs (Ont. Bur. Mines, Vol. XIV, Part I, p. 113):			
Surface			
Blue clay	58	58	
Hamilton			
"Top rock"	55	113	
Soapstone	109	222	
Middle lime	15	237	
Soapstone	30	267	
Corniferous			
Lower lime	131	398	
Carman No. 1. Bradley Estate			
Enniskillen tp., l. 11, con. XI (Ont. Bur. Mines, Vol. XIV Part I, p. 113; *see also* Guide Book No. 4, Int Geol. Cong., 1913, p. 100; *see also* Ont. Bur. Mines, Vol. XV, Part I, p. 111): Drilled in 1900 Elev. 667 Log as given by W.A. Parks Oil Springs			by E.J. Carman
Surface			
Blue clay	90	90	Casing 98' - 13"
Hamilton Top rock to Top soapstone Middle lime to Lower soapstone			
Shale and limestone	240	330	186' - 7⅝"
Onondaga			
Limestones (oil horizons) Limestone 187	190	520	1015' - 6¼"
Monroe? Sandstone 650 Limestone and shale 680			
Banded grey, brown and black dolomites	690	1,210	Heavy flow water at 970 in brown lime
Salina			
Salt	65	1,275	
Dolomite	20	1,295	
Salt and dolomite	140	1,435	
Dolomite	30	1,465	
Salt	90	1,555	
Salt and dolomite	50	1,605	
Salt	25	1,630	
Grey dolomite	10	1,640	
Salt	67	1,707	
Dolomite and salt	40	1,747	
Salt	138	1,885	
Dolomite, limestone, grey shales	130	2,015	
Salt	90	2,105	
Guelph and Niagara			
Dolomites	275	2,380	
Cataract?			
Red and dark shales	60	2,440	
Limestones	90	2,530	
Richmond (Queenston)			
Red shales	275	2,805	

Total Production 141-247 M. cu. ft. 1914 reported to Mines Branch Ottawa

(over)

Well Records in Ontario—Continued

Localities and formations	Thickness Feet	Depth Feet	Depth which oil or gas occurred
Lambton County—Continued			
Richmond and Lorraine			
Grey shales and limestone	205	3,010	
Collingwood and Utica			
Dark shales	165	3,175	
Trenton and Black River			
Limestones, etc.	170	3,345	
Lowville (?)			
Limestones	115	3,460	
Chazy			
Shale and limestone	317	3,777	
N. L. Bowen gives the depth of this well as 3,947 feet. *See* Ont. Bur. Mines, Vol. XX, Part I, p. 254.			
Top of well 667 feet above sea level.			

Brod ..... Part I,

C. E. Judson and Company, Port Huron, Mich.
Lot 18, SE. ¼, con. XII, Enniskillen tp.
Completed March 28, 1928.
Dry hole.

Formation	Thickness, ft.		
Surface	65	.....	60	60
Black shale	65	.....	5	65
Top rock	68	.....	85	150
Top soap	125	.....	15	165
Middle lime	20	.....	205	370
Lower soap	47	.....	25	395
Lower lime	105	.....	25	420
Total depth	495	.....	115	535

Gas at 475 feet.

Gu ..... um and 1,800 1,835

C. E. Judson and Co., Sarnia
Lot 18 W. ½, con. XII, Enniskillen tp.
Completed December, 1927.
Dry hole.

Formation	Thickness, ft.		
Surface	65	.....	225	2,060
Black shale	65	.....	15	2,075
Top rock	68	.....	35	2,110
Top soap	125	.....	440	2,550
Middle lime	20	.....	275	2,825
Lower soap	47	.....	175	3,000
Lower lime	130	.....	380	3,380
Total depth	520			

Cli ..... Me ..... Hu ..... Uti ..... Tre .....

In the Onondaga, rock salt from 1,410 to 1,655 feet or 245 feet of it in a solid bed, with only 3 small layers of limestone. Rock salt 1 810-1,835 feet.
level.

Thomas Josh, Petrolia
Lot 7, con. XIV, Enniskillen tp.
Completed October 5, 1932.
Oil yield: 5 gallons per day.
Open flow: Very small show of gas.

Formation	Thickness, ft.
Clay	12
Blue clay	168
Top rock	50
Top soap	140
Middle lime	15
Lower soap	45
Lower lime	77
Total depth	507

Gas and oil at 465 feet.
Fresh water at 185 feet; salt water at 470 feet.

Part I, p. 254):

.....	12	12
.....	40	16
.....	80	24
.....	185	42
.....	30	45
.....	46	50
.....	987	1,49
.....	5	1,49
.....	15	1,51

UNION GAS CO. OF CANADA, LTD.

A. Stevens No. 1, lot 22, con. I, Dawn tp.

Completed November 18, 1936.
Dry hole.

Formation	Thickness, ft.

ERNEST E. KELLS, PETROLIA

Lot 6, E. ½, con. XIV, Enniskillen tp.

Completed February 20, 1932.
Oil yield: 16 barrels per month.

Formation	Thickness, ft.
Clay surface	185
Limestone	50
Soapstone	140
Grey limestone	15
Soapstone	43
Limestone	54
Total depth	487

Oil at 450 and 475 feet.

UNION GAS CO. OF CANADA, LTD.

Tyler No. 1, lot 25, con. XI, Dawn tp.

Completed June 25, 1936.
Producing gas well.
Rock pressure: 580 lbs.

Formation	Thickness, ft.
Surface	42
Huron brown shale	133
Hamilton lime and shale	265
Grey lime	150
Brown lime	125
Grey lime	25
Brown lime	110
Sharp grey lime	235
Brown and grey lime	100
Brown and blue lime	60
Blue lime	85
Brown, and brown and blue lime	130
Grey, and blue and brown lime	70
Grey and brown lime	185
Brown lime	70
White lime	20
Brown lime	35
Total depth	1,840

Gas at 1,565 to 1,570 feet.
Sulphur water at 500 feet; salt water at 1,805 feet.

UNION GAS CO. OF CANADA, LTD.

M. and G. Woods No. 1, lot 24, con. III, Dawn tp.

Completed September 5, 1936.
Producing oil well.

Formation	Thickness, ft.
Surface	72
Black and brown shale	183
Lime and shale	230
Brown lime	365
Sharp lime	120
Brown lime	135
Brown and grey lime and gypsum	20
Brown and blue lime	80
Brown lime	55
Brown and blue lime	175
Salt and shell	145
Brown lime	95
Brown and blue lime	50
Brown lime	20
Brown, and brown and grey lime	70
Grey lime	35
Total depth	2,020

Oil at 1,940 to 1,950 feet; show of oil at 1,820 feet.
Gas at 1,820 feet; show of gas at 1,936 and 1,941 feet.

M. COLLINS

M. Collins No. 1, lot 13, con. XI, Enniskillen tp.

Completed July 20, 1936.
Small producing oil well.

Formation	Thickness, ft.
Surface	98
Top rock	40
Top soap	120
Middle lime	20
Lower soap	40
Lower lime	155
Total depth	473

Oil at 473 feet.
Fresh water at 103 and 115 feet; salt water at 473 feet.

F. H. EDWARD

F. H. Edward No. 104, lot 11, con. XII, Enniskillen tp.

Completed April 23, 1936.
Small producing oil well.

Formation	Thickness, ft.
Surface	93
Top rock	40
Top soap	147
Middle lime	12
Lower soap	43
Lower lime	153
Total depth	480

Oil at 460 feet.
Fresh water at 110 feet; salt water at 476 feet.

CHARLES EGAN

C. Egan No. 1, lot 14, con. XI, Enniskillen tp.

Completed May 18, 1936.
Producing oil well.

Formation	Thickness, ft.
Surface	65
Top rock	50
Upper soap	140
Middle lime	20
Lower soap	40
Lower lime	128
Total depth	443

Oil at 425 feet.
Fresh water at 90 feet.

ERNEST KELLS

E. Kells No. 1, lot 12, con. XI, Enniskillen tp.

Completed June 30, 1936.
Small producing oil well.

Formation	Thickness, ft.
Clay	61
Hardpan	[illegible]
Limestone	51
Shale	6
Limestone	12
Shale	121
Limestone	15
Shale	47
Limestone	140
Total depth	465

Oil at 435 and 460 feet.
Fresh water at 93 feet.

MacIntosh Oil and Gas Co., Ltd.

F. R. MacIntosh No. 1, lot 14, con. X, Enniskillen tp.

Completed December 5, 1936.
Small producing oil well.

Formation	Thickness, ft.
Surface	52
Top rock	45
Top soap	138
Middle lime	18
Lower soap	42
Lime	140
Total depth	435

Oil at 425 to 430 feet.
Fresh water at 58 feet.

Petrolia Drilling Company

G. Willert No. 1, lot 14, con. X, Enniskillen tp.

Completed December 23, 1936.
Small producing oil well.

Formation	Thickness, ft.
Surface	90
Hardpan	3
Top rock	40
Top soap	143
Middle lime	17
Lower soap	40
Lime	134
Total depth	467

Oil at 450 to 457 feet.
Fresh water at 94 feet.

H. P. Rose

H. P. Rose No. 1, lot 14, con. XI, Enniskillen tp.

Completed December 15, 1936.
Small producing oil well.

Formation	Thickness, ft.
Surface	65
Top rock	50
Top soap	140
Middle lime	25
Lower soap	40
Lower lime	100
Oil sand	15
Pocket	20
Total depth	455

Oil at 428 feet.
Fresh water at 75 feet.

Bryson and Cole

A. Levitt, No. 1, lot 8, con. II, Plympton tp.

Completed March 13, 1936.
Dry hole.

Formation	Thickness, ft.
Surface	182
Boulders	20
Lime	60
Shale	133
Lime	13
Shale	42
Grey lime	65
Light-brown lime	58
Brown lime	12
Oil sand	8
Hard streak lime	2
Water sand	5
Lime	20
Hard brown lime	15
Total depth	635

Show of oil at 515 feet.
Show of gas at 573 feet.
Fresh water at 200 feet; sulphur water at 595 feet.

Union Gas Co. of Canada, Ltd.

Green No. 1, lot 30, S.½, con. V, Sombra tp.

Completed November 24, 1936.
Dry hole.

Formation	Thickness, ft.
Surface	52
Huron shale	223
Hamilton	200
Brown and grey lime	325
Sharp grey lime	10
Brown and grey lime	95
Brown lime	305
Blue and brown lime	15
Blue lime	120
Blue and brown lime	50
Grey and blue lime	15
Brown, and blue and grey lime	170
Brown lime	120
Grey, and brown and grey lime	10
Brown lime	85
Grey and brown lime	85
Grey lime	95
Rochester blue shale	25
Clinton	5
Cabot Head shale	37
Total depth	2,042

Fresh water at 47 feet; sulphur water at 535 feet; salt water at 1,835 feet.

Lincoln County

Lincoln Gas Co., Ltd.

E. Hartnett No. 1, lot 2, S.W.¼, con. II, Gainsborough tp.

Completed February 29, 1936.
Producing gas well.
Rock pressure: 120 lbs.

Formation	Thickness, ft.
Surface	91
Lime	20
Niagara	205
Shale	47
Clinton	27
Red Medina	37
Shale	53
White Medina	12
Shale	20
Total depth	522

Gas at 480 to 492 feet.

Lincoln Gas Co., Ltd.

E. Hartnett No. 2, lot 2, S.W.¼, con. II, Gainsborough tp.

Completed June 6, 1936.
Producing gas well.
Rock pressure: 115 lbs.

Formation	Thickness, ft.
Surface	89
Lime	18
Niagara	206
Shale	48
Clinton	32
Red Medina	38
Shale	53
White Medina	11
Total depth	495

Gas at 484 to 495 feet.

SULLIVAN AND WILSON

M. McLachlan No. 3, lot 22, con. XIII, Brooke tp.
Completed July 15, 1937.
Dry hole.

Formation	Thickness, ft.
Surface clay	66
Black gravel	3
Black shale	25
Top rock	77
Soap	104
Lime streak	5
Soap	20
Middle lime	25
Lower soap	21
Delaware	11
Lower lime	112
Total depth	470

Fresh water at 70 feet; salt water at 465 feet.

BERT WILSON

A. Gilliand No. 1, lot 22, con. XIII, Brooke tp.
Completed April 15, 1937.
Dry hole.

Formation	Thickness, ft.
Surface	64
Black shale	22
Lime	84
Soap	118
Lime	7
Soap	15
Lime	32
Soap	24
Dark lime	8
Lime	101
Total depth	475

Fresh water at 60 feet; salt water at 470 feet.

UNION GAS CO. OF CANADA, LTD.

Fleming No. 1, lot 13, N. ½, con. II, Dawn tp.
Completed February 10, 1937.
Dry hole.

Formation	Thickness, ft.
Surface	55
Brown shale	200
Lime and shale	210
Grey lime	320
Brown lime	45
Sharp grey and brown lime	115
Brown and grey lime	130
Brown lime and gypsum	10
Blue lime	85
Blue and brown lime	25
Brown and grey lime	115
Brown, and blue and brown lime	90
Salt and lime	35
Salt	135
Grey and brown lime	140
Salt	30
Brown lime	115
Grey and brown lime	35
Grey lime	100
Blue shale	12
Total depth	2,002

Fresh water at 54 feet; sulphur water at 520 feet; salt water at 1,880 feet.

UNION GAS CO. OF CANADA, LTD.

Hornick No. 1, lot 12, con. VIII, Dawn tp.
Completed August 3, 1937.
Dry hole.

Formation	Thickness, ft.
Surface	32
Brown shale	168
Lime and shale	200
Brown lime	75
Grey lime	280
Sharp grey lime	130
Brown lime	5
Grey lime and gypsum	10
Brown, grey, and blue lime	105
Brown and blue lime and gypsum	50
Blue lime	55
Brown, blue, and grey lime	215
Salt and lime shell	35
Salt	70
Salt and lime shell	15
Salt	30
Brown lime	20
Salt	15
Brown and blue lime	45
Grey lime	225
Total depth	1,775

Fresh water at 32 feet; sulphur water at 480 and 515 feet; salt water at 1,765 and 1,775 feet.

UNION GAS CO. OF CANADA, LTD.

Johnston No. 1, lot 11, con. VIII, Dawn tp.
Completed May 11, 1937.
Dry hole.

Formation	Thickness, ft.
Surface	33
Brown shale	192
Lime and shale	230
Grey and brown lime	70
Sharp grey lime	50
Brown lime	250
Sharp grey and brown lime	150
Brown lime	105
Grey and brown lime and gypsum	25
Blue lime	85
Brown lime	125
Blue, and blue and brown lime	110
Salt and brown lime	45
Brown lime	45
Grey lime	85
Grey and brown lime	135
Brown lime	75
Grey lime	65
Blue shale	5
Total depth	1,880

Small flow of gas at 1,604 feet.
Fresh water at 33 feet; salt water at 1,615, 1,735, and 1,860 feet.

UNION GAS CO. OF CANADA, LTD.

McKinnon No. 1, lot 24, con. IV, Dawn tp.

Completed January 25, 1937.
Dry hole.

Formation	Thickness, ft.
Surface	75
Brown shale	220
Lime and shale	263
Brown lime	312
Brown and grey lime	60
Sharp brown and grey lime	130
Brown lime	75
Brown and grey lime and gypsum	20
Grey lime	20
Grey and blue lime and gypsum	25
Brown, blue, and grey lime	35
Blue lime	80
Brown and blue lime	60
Brown and grey lime	80
Blue lime	60
Brown lime	35
Salt	40
Salt and brown lime	20
Brown, and brown and grey lime	130
Salt	41
Brown lime	184
Grey lime	75
Blue shale	2
Total depth	1,942

Show of gas at 1,928 to 1,933 feet.
Sulphur water at 670 feet.

B. D. BORNMAN

T. Hastings No. 1, lot 29, E.½, con. IX, Enniskillen tp.

Completed January 22, 1937.
Dry hole.

Formation	Thickness, ft.
Surface	57
Black shale	52
Top rock	71
Top soap	134
Middle lime	21
Lower soap	36
Lower lime	54
Light- and dark-brown lime	345
Cherty lime	180
Brown lime	30
Shale	5
Brown lime	20
Slaty shale	5
Brown lime	30
Grey lime and gypsum	10
Grey lime	10
Brown lime	35
Hard shale	10
Grey lime	90
Brown lime	35
Brown and grey lime	45
Salt	3
Brown lime	47
Salt	14
Brown lime	6
Salt	15
Brown lime	5
Soft shale	55
Shale and lime streaks	20
Salt	35
Brown lime	5
Salt and lime streaks	175
Brown lime	150
Shale	15
Brown lime	10
Salt	55
Grey lime	5
Brown and grey lime	130
Grey lime	5
Total depth	2,025

Show of oil at 373, 415 to 420, and 428 to 433 feet.
Fresh water at 57 and 115 feet; salt water at 480 feet.

B. D. BORNMAN

W. Rundle No. 1, lot 29, E.½, con VIII, Enniskillen tp.

Completed January 28, 1937.
Producing oil well.

Formation	Thickness, ft.
Surface	55
Black shale	57
Grey lime	4
Lime and soap	54
Soap	149
Middle lime	17
Soap	30
Soft lime	6
Hard lime	65
Total depth	437

Oil at 385 and 428 to 431 feet.
Fresh water at 55 feet.

B. D. BORNMAN

W. Rundle No. 2, lot 29, E.½, con. VIII, Enniskillen tp.

Completed March 1, 1937.
Dry hole.

Formation	Thickness, ft.
Surface	56
Black shale	59
Lime and soap	57
Soap	149
Middle lime	19
Soap	28
Dark-grey lime	6
Hard grey lime	96
Total depth	470

Fresh water at 56 feet.

W. J. COLE

W. J. Cole No. 1, lot 10, con. XII, Enniskillen tp.

Completed November 10, 1937.
Small producing oil well.

Formation	Thickness, ft.
Surface	85
Lime	50
Shale	130
Lime	12
Shale	45
Lime	154
Total depth	476

Oil at 445 and 460 feet.
Fresh water at 88 feet; salt water at 475 feet.

F. H. EDWARD

F. H. Edward No. 141, lot 11, con. XII, Enniskillen tp.

Completed February 16, 1937.
Producing oil well.

Formation	Thickness, ft.
Surface	90
Top rock	50
Upper soap	128
Middle lime	15
Lower soap	42
Lower lime	150
Total depth	475

Oil at 440 and 465 feet.
Fresh water at 110 feet; salt water at475 to 480 feet.

MacIntosh Oil and Gas Co., Ltd.
Cox No. 1, lot 14, con. X, Enniskillen tp.
Completed July 10, 1937.
Small producing oil well.

Formation	Thickness, ft.
Surface	95
Top rock	55
Top soap	130
Middle lime	15
Lower soap	45
Lower lime	125
Total depth	465

Oil at 405 and 445 to 453 feet.
Fresh water at 95 feet; salt water at 450 feet.

MacIntosh Oil and Gas Co., Ltd.
I. Kirby No. 1, lot 8, con. XII, Enniskillen tp.
Completed April 5, 1937.
Small producing oil well.

Formation	Thickness, ft.
Surface	100
Top rock	60
Top soap	125
Middle lime	18
Lower soap	45
Lower lime	120
Total depth	468

Oil at 448 and 470 feet.

MacIntosh Oil and Gas Co., Ltd.
I. Kirby No. 2, lot 8, con. XII, Enniskillen tp.
Completed April 20, 1937.
Producing oil well.

Formation	Thickness, ft.
Surface	100
Top rock	60
Top soap	125
Middle lime	18
Lower soap	45
Lower lime	126
Total depth	474

Oil at 450 to 462 feet.
Fresh water at 105 feet.

MacIntosh Oil and Gas Co., Ltd.
F. R. MacIntosh No. 1, lot 14, con. X, Enniskillen tp.
Completed September 20,1937.
Shallow producing oil well.

Formation	Thickness, ft.
Clay	52
Top rock	68
Soap	133
Middle lime	17
Lower soap	19
Corniferous lime	163
Brown lime	298
Sharp sand	150
Hard dark-grey lime	151
Shaly lime	144
Salt	22
Hard dark-grey lime	33
Salt	39
Lime	4
Salt	23
Grey shale	10
Grey lime	70
Salt	15
Grey lime	5
Salt	6
Lime and shale	102
Salt	32
Lime and salt	48
Salt	187
Salina lime	145
Salt	75
White lime	10
Guelph lime	120
Niagara lime	114
Shale	38
Clinton	5
Red Medina	5
Grey shale	134
Queenston red shale	280
Hudson River shale	189
Utica shale (dark)	220
Trenton (light-grey)	384
Trenton (dark-grey)	102
Trenton (light-grey)	409
Trenton (dark-grey)	53
Chazy light-grey lime	17
Potsdam	20
Granite	4
Total depth	4,124

Oil at 72 to 75 and 418 to 425 feet.
Fresh water at 52 and 72 to 75 feet; black water at 452 feet.

MacIntosh Oil and Gas Co., Ltd.
F. R. MacIntosh No. 2, lot 14, con. X, Enniskillen tp.
Completed May 5, 1937.
Small producing oil well.

Formation	Thickness, ft.
Surface	51
Top rock	45
Top soap	130
Middle lime	18
Lower soap	45
Corniferous lime	171
Total depth	460

Oil at 420 and 438 feet; show of oil at 50 feet.
Fresh water at 100 feet; salt water at 450 feet.

MacIntosh Oil and Gas Co., Ltd.
F. R. MacIntosh No. 1, lot 15, con. XII, Enniskillen tp.
Completed February 16, 1937.
Small producing oil well.

Formation	Thickness, ft.
Surface	100
Top rock	45
Top soap	140
Middle lime	18
Lower soap	50
Lower lime	118
Total depth	471

Oil at 452 and 469 feet.
Fresh water at 98 feet.

MacIntosh Oil and Gas Co., Ltd.

F. R. MacIntosh No. 2, lot 15, con. XII, Enniskillen tp.

Completed March 11, 1937.
Small producing oil well.

Formation	Thickness, ft.
Surface	100
Top rock	45
Top soap	140
Middle lime	18
Lower soap	50
Lower lime	127
Total depth	480

Oil at 458 and 475 feet.
Fresh water at 98 feet.

MacIntosh Oil and Gas Co., Ltd.

F. R. MacIntosh No. 3, lot 15, con. XII, Enniskillen tp.

Completed March 27, 1937.
Producing oil well.

Formation	Thickness, ft.
Surface	100
Top rock	45
Top soap	140
Middle lime	18
Lower soap	50
Lower lime	123
Total depth	476

Oil at 452 to 469 feet.
Fresh water at 98 feet.

MacIntosh Oil and Gas Co., Ltd.

G. Willert No. 2, lot 14, con. X, Enniskillen tp.

Completed January 24, 1937.
Small producing oil well.

Formation	Thickness, ft.
Surface	94
Top rock	40
Upper soap	143
Middle lime	17
Lower soap	40
Lower hard grey lime	76
Brown lime	35
Lime and sand streaks	10
Oil sand	5
Hard grey lime	3
Brown lime	9
Total depth	472

Fresh water at 96 feet.

H. P. Rose

H. P. Rose No. 2, lot 14, con. XI, Enniskillen tp.

Completed March 15, 1937.
Small producing oil well.

Formation	Thickness, ft.
Surface	65
Top rock	50
Top soap	140
Middle lime	25
Lower soap	40
Lower lime	100
Oil sand	15
Lime pocket	20
Total depth	450

Oil at 425 feet.
Fresh water at 175 feet; salt water at 430 feet.

Carol Smith

C. Smith No. 1, lot 10, con. X, Enniskillen tp.

Completed May 13, 1937.
Small producing oil well.

Formation	Thickness, ft.
Surface	100
Top rock	50
Top soap	140
Middle lime	15
Lower soap	40
Lower lime	135
Total depth	480

Oil at 410 and 465 feet.
Fresh water at 110 feet.

Carol Smith

C. Smith No. 2, lot 10, con. X, Enniskillen tp.

Completed July 8, 1937.
Small producing oil well.

Formation	Thickness ft.
Surface	86
Top rock	50
Top soap	140
Middle lime	15
Lower soap	40
Lower lime	138
Total depth	419

Oil at 400 and 455 feet.
Fresh water at 100 feet.

W. Van Antwerp

G. Droope No. 2, lot 5, con. XI, Enniskillen tp.

Completed October 12, 1937.
Small producing oil well.

Formation	Thickness, ft.
Surface	99
Top rock	76
Top soap	140
Middle lime	15
Lower soap	50
Lower lime	105
Total depth	485

Oil at 445 to 455 feet.

Art Winder

A. Winder No. 1, lot 11, con. XI, Enniskillen tp.

Completed August 5, 1937.
Small producing oil well.

Formation	Thickness, ft.
Surface	95
Top rock	50
Top soap	130
Middle lime	15
Lower soap	45
Lower lime	133
Total depth	468

Oil at 460 and 455 to 465 feet.
Fresh water at 95 feet.

J. Zarb

G. Carlton No. 1, lot 15, E. ½, con. XI, Enniskillen tp.

Completed May 6, 1937.
Small producing oil well.

Formation	Thickness, ft.
Surface	94
Lime	54
Upper shale	144
Middle lime	17
Lower shale	41
Lower lime	130
Total depth	480

Oil at 368 and 465 feet.
Fresh water at 96 feet.

Enniskillen Tp
Ernest Kells No. 1.
Town of Petrolia
Comp Aug 30th 1936
Producing Oil Well

Surface	94
Limestone	50
Upper Soap	120
Lime	16
Lower Soap	45
Limestone	139
Total Depth	464

Oil at 266, 280, 338 & 460
Water at 93, 338 & 390

Enniskillen Tp.
M. J. Hussey #1. lot 11 Con XI
Comp. March 21st 1938. Dry Hole

Surface	100
Top rock	40
Upper Soap	120
Middle Lime	15
Lower Soap	45
Onondaga Lime	150
	470

Show of oil at 455 to 468
Fresh water at 108 & 450

Wm. Van Antwerp

P. Strangway No. 1, lot 26, con. XI, Enniskillen tp.
Completed January 3, 1939.
Dry hole.

Formation	Thickness, ft.
Clay	60
Black shale	98
Soft grey shale	3
Hard grey shale	156
Soft soap	18
Grey lime	12
Soap	178
Lower lime	100
Total depth	525

Fresh water at 65 feet.

F. H. Edward

F. H. Edward No. 141, lot 11, con. XII, Enniskillen tp.
Completed January 20, 1939.
Small producing oil well.

Formation	Thickness, ft.
Surface	12
Blue clay	80
Top rock	50
Top soap	130
Middle lime	15
Lower soap	38
Lower lime	145
Total depth	470

Oil at 443 to 470 feet.
Fresh water at 112 feet.

W. J. Hussey Syndicate

Town of Petrolia No. 1, lot 13, con. XII, Enniskillen tp.
Completed June 21, 1939.
Producing oil well.

Formation	Thickness, ft.
Surface	98
Top rock	62
Soap	125
Middle lime	15
Soap	45
Lime	127
Total depth	472

Oil at 470 feet.
Fresh water at 110 feet.

MacIntosh Oil and Gas Co., Ltd.

R. N. Metcalf No. 1, lot 20, con. XIII, Enniskillen tp.
Completed October 28, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	31
Black shale	80
Top rock and streaks of soap	64
Top soap	155
Middle lime	15
Lower soap	35
Lower lime	110
Total depth	500

Fresh water at 10 and 31 feet; small show of salt water at 490 feet.

Volcanic Gas and Oil Co., Ltd.

J. Mackesy No. 1, lot 15, con. V, Enniskillen tp.
Completed October 12, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	63
Black shale	120
Grey shale and lime	245
Grey and brown lime	412
Cherty lime	136
Grey, grey-brown, and brown lime	90
Shaly lime, shale, and brown lime	302
Salt, shaly lime, and gypsum	567
Grey-brown lime	6
Grey lime and gypsum	131
Gypsum and light-grey lime	4
Brown, grey, and light-grey lime	87
Grey shale	47
Grey-buff lime	6
Maroon and grey-green shale	4
Total depth	2,220

Fresh water at 79, 552, 640, and 890 feet.

E. E. Kells

E. E. Kells No. 2, lot 12, W. ½, con. XI, Enniskillen tp.
Completed July 25, 1940.
Dry hole.

Formation	Thickness, ft.
Surface	93
Top rock	55
Upper soap	114
Middle lime	16
Lower soap	44
Big lime	138
Total depth	460

Very small show of oil at 330 and 345 feet.
Fresh water at 96 feet; salt water at 460 feet.

B. Josh

B. Josh No. 1, lot 8, con. XIV, Enniskillen tp.
Completed March 19, 1941.
Dry hole.

Formation	Thickness, ft.
Surface	150
Top rock	60
Upper soap	120
Middle lime	15
Lower soap	45
Big lime	105
Total depth	495

Show of oil at 455 and 460 feet.
Fresh water at 150 feet; salt water at 480 feet.

E. E. Kells

E. E. Kells No. 3, lot 12, con. XI, Enniskillen tp.
Completed February 28, 1941.
Producing oil well.

Formation	Thickness, ft.
Surface	93
Upper lime	37
Upper soap	136
Middle lime	16
Lower soap	43
Big lime	145
Total depth	470

Oil at 461 feet.
Fresh water at 96 and 390 feet; salt water at 461 feet

Union Gas Co. of Canada, Ltd.

R. W. Simpson, Co. well No. 1, lot 25. con. V, Enniskillen tp.
Completed August 9, 1941.
Dry hole.

Formation	Thickness ft.
Surface	58
Shale	27
Brown shale	65
Soap	194
Lime	17
Soap	35
Grey lime	124
Brown lime	274
Sharp sand	131
Brown lime	150
Blue shale and gypsum	44
Blue shale	46
Brown lime	145
Salt	10
Shale	30
Lime	6
Shale	60
Salt	19
Brown lime	26
Brown lime and salt	15
Salt	188
Brown and grey lime	116
Shale	30
Salt	41
Brown and grey lime	167
Total depth	2,018

Show of gas at 68 and 182 feet.
Show of oil at 720 feet.
Fresh water at 56 feet; sulphur water at 487 feet, salt water at 2,011 to 2,018 feet.

E. R. Wilson and Associates

L. Hall No. 1, lot 3, con. II, Enniskillen tp.
Completed November 23, 1944.
Dry hole.

Formation	Depth, ft.
Surface	60
Black shale	130
Top rock	200
Upper soap	330
Middle lime	348
Lower soap	398
Big lime	513

Show of oil at 400 feet.
Fresh water at 65 feet.

Union Gas Co. of Canada, Ltd.

G. H. Hewitt No. 1, lot 27, con. I, Mosa tp.
Completed November 23, 1944.
Dry hole.

Formation	Depth, ft.
Surface	115
Brown shale	162
Top rock	210
Soap and lime shell	354
Middle lime	366
Soap	390
Brown lime	505
Grey and brown lime	690
Sharp brown and grey lime	910
Brown and grey lime	1,070
Lime and gypsum	1,076
Brown lime	1,098
Lime and gypsum	1,122
Blue and grey lime	1,206
Brown lime	1,218
Brown and blue lime	1,278
Brown lime	1,354
Blue lime	1,408
Brown and grey lime	1,446
Brown lime	1,498
Brown and blue lime	1,540
Brown and grey lime	1,747

Fresh water at 105 feet; sulphur water at 438 feet.

Simcoe County

A. E. Davis

J. Brethet No. 1, lot 21, con. VII, Nottawasaga tp.
Completed July 24, 1944.
Dry hole.

Formation	Depth, ft.
Surface	228
Grey shale	323
Black shale	324
Trenton	964

Show of gas at 643 feet.
Show of oil at 927 feet.
Fresh water at 20 and 80 feet; salt water at 932 feet.

McMaster and Boileau

E. Morrison No. 2, lot 15, con. VII, Nottawasaga tp.
Completed July 22, 1944.
Dry hole.

Formation	Depth, ft.
Surface	312
Grey shale	467
Trenton	1,060
Granite	1,071

Show of gas at 578 feet.
Fresh water at 260, 295, 310, and 320 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

S. Henderson No. 1, lot 3, con. II, Brooke tp.

Completed November 13, 1946.
Producing oil well.

Formation	Depth, ft.
Surface	52
Brown shale	73
Lime	75
Lime and streaks of shale	135
Hard lime	[illegible]
Shale	160
Ipperwash shale and soap	215
Soap	270
Soap and lime	275
Middle lime	297
Lower soap	320
Dark lime	325
Brown lime	335
Lower lime	350

Show of gas at 135 feet.
Oil at 325 to 330 feet.
Fresh water at 52 and 58 to 60 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

W. M. McConnell No. 1, lot 21, con. XI, Brooke tp.

Completed December 7, 1946.
Dry hole.

Formation	Depth, ft.
Surface	57
Black shale	110
Top rock	120
Top rock and streaks of shale	160
Shale and shell	200
Shale	320
Lime	340
Shale	375
Lime	418

[illegible]how of oil at 400 to 405 feet.
[illegible]lt water at 415 to 418 feet.

A. E. MCKERCHER

T. Callahan No. 1, lot 18, con. XIV, Brooke tp.

Completed December 20, 1946.
Dry hole.

Formation	Depth, ft.
Surface	99
Shale	126
Top rock	186
Top soap	200
Lime	204
Soap	334
Middle lime	355
Lower soap	385
Dark lime	390
Grey lime	490

Fresh water at 99 feet.

E. A. ROTH

[illegible]. S. Murphy No. 1, lot 31, con. VIII, Dawn tp.

Completed April 8, 1946.
Dry hole.

Formation	Depth, ft.
Surface	45
Black and brown shale	100
Sand	102
Grey lime	120
Soap	135
Grey lime	162
Soap	290
Middle lime	305
Soap	329
Black conglomerate	332
Grey lime	352
Grey and light-brown lime	600

Fresh water at 45 feet; sulphur water at 420 and 460 feet.

J. BEATTIE

B. Piggott No. 1, lot 2, con. III, Enniskillen tp.

Completed July 10, 1946.
Dry hole.

Formation	Depth, ft.
Surface	71
Hardpan	72
Black shale	93
Top rock	144
Soap	157
Lime shell	164
Soap	299
Middle lime	313
Lower soap	349
Dark streak	358
Soap	359
Lower lime	487

Show of oil at 71 and 432 feet.
Fresh water at 88 feet; salt water at 478 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

L. Campbell No. 1, lot 24, con. VIII, Enniskillen tp.

Completed November 29, 1946.
Dry hole.

Formation	Depth, ft.
Surface	40
Black shale and gravel	43
Black shale	103
Soap and grey lime	120
Grey lime	155
Grey lime and soap	165
Soap	170
Grey lime	190
Soap	275
Soap and grey lime	280
Soap	295
Grey lime	322
Soap	347
Lime	351
Brown lime	500

Show of oil at 360 and 448 feet.
Fresh water at 43 feet; sulphur water at 500 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

E. A. Freer No. 1, lot 27, con. IX, Enniskillen tp.

Completed November 6, 1946.
Producing oil well.

Formation	Depth, ft.
Surface	66
Black shale	80
Grey lime and soap	105
Grey lime	145
Soap and lime	160
Grey lime	170
Soap	290
Grey lime	320
Soap	348
Brown lime	415

Oil at 387 and 400 to 410 feet.
Show of gas at 140 feet.
Fresh water at 70 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

P. Hansford No. 1, lot 32, con. II, Enniskillen tp.

Completed June 12, 1946.
Dry hole.

Formation	Depth, ft.
Surface	67
Shale	110
Lime and soap	178
Soap	312
Lime	326
Soap	350
Lime	500

Fresh water at 65 and 116 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION
V. Jardine No. 1, lot 24, con. VIII, Enniskillen tp.
Completed July 24, 1946.
Producing oil well.

Formation	Depth, ft.
Surface	50
Black shale	97
Grey lime	113
Blue lime and shale	141
Blue lime	153
Soap	160
Blue lime	165
Soap	285
Grey lime	312
Blue lime and soap	322
Soap	342
Brown lime	431

Oil at 414 feet.
Fresh water at 52 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION
J. Kelly No. 1, lot 24, con. XII, Enniskillen tp.
Completed September 23, 1946.
Dry hole.

Formation	Depth, ft.
Surface	92
Black shale	171
Grey lime	182
Black shale and soap	233
Shale	245
Soap	255
Shale and lime	261
Soap	319
Lime	324
Soap	363
Shale	372
Lime	404
Soap	414
Lime	446

Fresh water at 74 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION
J. Kelly No. 2, lot 24, con. XII, Enniskillen tp.
Completed September 19, 1946.
Dry hole.

Formation	Depth, ft.
Surface	60
Black shale	153
Grey lime	159
Top rock	185
Soap	201

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION
A. Law No. 1, lot 26, con. IX, Enniskillen tp.
Completed August 17, 1946.
Producing oil well.

Formation	Depth, ft.
Surface	55
Black shale	90
Grey lime	148
Soap	153
Grey lime	167
Soap	172
Grey lime and shale	174
Soap	295
Shale	297
Grey lime	340
Grey lime and soap	356
Brown lime	545
Grey lime	558
Brown lime	720

Oil at 402 and 455 feet.
Fresh water at 55 feet; sulphur water at 325 feet; salt water at 600 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION
A. Law No. 2, lot 26, con. IX, Enniskillen tp.
Completed October 23, 1946.
Dry hole.

Formation	Depth, ft.
Surface	56
Black shale	92
Grey lime	138
Lime and soap	166
Soap	281
Lime	306
Lime and soap	319
Soap	329
Shale	355
Lime	525

Fresh water at 65 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION
B. Moore No. 1, lot 28, con. IX, Enniskillen tp.
Completed November 15, 1946.
Producing oil well.

Formation	Depth, ft.
Surface	56
Black shale	92
Top rock	111
Grey lime	123
Soap lime shell	345
Big lime	382
Brown lime	410

Oil at 345 and 392 feet.
Fresh water at 54 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION
W. Shortt, No. 1, lot 29, con. X, Enniskillen tp.
Completed November 30, 1946.
Dry hole.

Formation	Depth, ft.
Surface	47
Black shale	113
Lime	162
Soap	167
Lime	179
Soap	199
Lime	204
Soap	312
Lime	344
Soap	367
Lime and soap	377
Lime	526
Sharp sand	544

Show of gas at 52 and 58 feet.
Fresh water at 39, 52, and 58 feet; black water at 542 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORAT
J. Stonehouse No. 1, lot 26, con. XII, Enniskillen tp.
Completed September 27, 1946.
Dry hole.

Formation	Depth, ft.
Surface	55
Black shale	171

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORA
S. E. Watt No. 1, lot 25, con. VIII, Enniskillen t
Completed September 19, 1946.
Dry hole.

Formation	Depth, ft.
Surface	45
Black shale	110
Grey lime	120
Soap	130
Grey lime	168
Soap	228
Grey lime	233
Soap	288
Grey lime	315
Soap	340
Lime	363
Brown lime	560

Fresh water at 45 feet; sulphur water at 495 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

C. A. Worts No. 1, lot 27, con. VIII, Enniskillen tp.

Completed October 15, 1946.
Producing oil well.

Formation	Depth, ft.
Surface	42
Black shale	100
Grey lime	132
Soap and lime	143
Soap and grey lime	192
Soap	250
Lime	255
Soap	300
Grey lime	318
Soap	351
Brown lime	495

Oil at 383, 400, 415, and 427 feet.
Show of gas at 130 feet.
Sulphur water at 495 feet.

PETROLIA OLD BOYS

Greenwood Park Association No. 1, lot 11, con. X, Enniskillen tp.

Completed August 31, 1946.
Dry hole.

Formation	Depth, ft.
Surface	93
Top rock	143
Grey shale	288
Middle lime	304
Grey shale	343
Dark-grey lime	345
Light-buff lime	437
Buff and grey lime	445
Buff lime	468
Hard grey lime	470

Show of gas at 450 feet.
Show of oil at 458 feet.
Fresh water at 93 and 110 feet; sulphur water at 160 feet.

E. A. ROTH

E. Douglas No. 1, lot 7, con. IX, Enniskillen tp.

Completed May 25, 1946.
Dry hole.

Formation	Depth, ft.
Surface	60
Shale	102
Upper lime	215
Top soap	320
Middle lime	340
Lower soap	386
Lower lime	500

Fresh water at 60 feet; black water at 498 feet.

E. A. ROTH

E. J. Ryan No. 1, lot 10, con. IV, Enniskillen tp.

Completed February 16, 1946.
Dry hole.

Formation	Depth, ft.
Surface	68
Shale	195
Lime and soap	265
Soap	287
Lime	295
Soap	335
Lime	350
Soap	508
Lime	520
Soap	566
Lime	705

Fresh water at 68 feet; black sulphur water at 705 feet.

E. A. ROTH

N. Stuchberry No. 1, lot 10, con. X, Enniskillen tp.

Completed November 5, 1946.
Producing oil well.

Formation	Depth, ft.
Surface	104
Top rock	149
Upper soap	284
Middle lime	304
Lower soap	348
Break	350
Big lime	493

Oil at 420, 460, 485, and 490 feet.
Fresh water at 97 feet; salt water at 472, 485, and 490 feet.

E. A. ROTH

R. Vanderburg No. 1, lot 4, con. XII, Enniskillen tp.

Completed August 7, 1946.
Dry hole.

Formation	Depth, ft.
Surface	134
Top rock	179
Top soap	320
Middle lime	335
Lower soap	380
Dark streak—break	385
Big lime	512

Show of gas at 440 feet.
Show of oil at 400 feet.
Fresh water at 134 feet; sulphur water at 512 feet.

UNION GAS CO. OF CANADA, LTD.

G. E. Anderson No. 3, lot 16, con. IV, Enniskillen tp.

Completed November 14, 1946.
Dry hole.

Formation	Depth, ft.
Surface	97
Black shale	289
Top rock	409
Soap	612
Grey lime	743
Brown lime	848
Grey lime	860
Brown lime	986
Sharp lime	1,194
Brown and grey lime	1,285
Blue lime and gypsum	1,290
Grey lime	1,360
Blue lime	1,436
Brown and grey lime	1,486
Brown lime	1,504
Grey and blue lime	1,513
Grey and brown lime	1,563
Grey lime	1,581
Blue lime	1,611
Grey and blue lime	1,655
Grey lime	1,667
Salt and lime	1,685
Brown lime	1,742
Grey lime	1,831
Salt	1,883
Brown and grey lime	2,070

Show of oil at 1,285 to 1,296 feet.
Fresh water at 85 feet; sulphur water at 745 feet; salt water at 2,030 feet.

UNION GAS CO. OF CANADA, LTD.

Industrial M. and T. No. 1, lot 12, con. IV, Enniskillen tp.

Completed September 10, 1946.
Dry hole.

Formation	Depth, ft.
Surface	43
Huron	190
Hamilton	470
Brown and grey lime	935
Sharp sand	1,099
Brown lime	1,193
Blue lime	1,199
Brown lime	1,205
Grey and blue lime	1,217
Brown lime	1,229
Blue lime and gypsum	1,235
Brown and grey lime	1,241
Blue lime and gypsum	1,247
Grey and blue lime	1,255
Grey lime	1,270
Blue lime	1,350
Brown and grey lime	1,404
Blue lime	1,419
Brown and grey lime	1,474
Blue lime	1,538
Grey lime	1,578
Salt	1,685
Grey lime	1,823
Salt	1,887
Grey lime	2,059

Show of oil at 2,025 feet.
Fresh water at 45 feet; sulphur water at 520 and 680 feet; salt water at 2,025 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

J. Campbell No. 1, lot 1, con. II, Enniskillen tp.

Driller: C. Carter.
Completed April 25, 1947.
Dry hole.

Formation	Depth, ft.
Surface	64
Black shale	130
Grey lime	185
Lime and soap	210
Soap	327
Lime	335
Grey lime	342
Soap	367
Brown lime	520
Brown lime and sand	565
Brown lime	615

Fresh water at 68 feet; salt water at 515 feet.

A. M. MAHAFFY

M. Vokes No. 1, lot 3, con. XI, Enniskillen tp.

Driller: W. J. Hussey.
Completed December 12, 1947.
Dry hole.

Formation	Depth, ft.
Surface	107
Top rock	157
Top soap	292
Middle lime	312
Lower soap	370
Lower lime	480

Show of oil at 460 to 466 feet.
Fresh water at 130 feet; black water at 480 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

E. J. Booth No. 1, lot 18, con. VI, Moore tp.

Completed April 24, 1946.
Dry hole.

Formation	Depth, ft.
Surface	139
Shale	232
Lime	320
Top soap	428
Middle lime	440
Lower soap	478
Big lime	600

Fresh water at 135 feet.

UNION GAS CO. OF CANADA, LTD.

J. Salts, No. 1, lot 6, con. V, Enniskillen tp.

Driller: Kiser Bros.
Completed March 19, 1947.
Dry hole.

Formation	Depth, ft.
Surface	92
Brown shale	275
Top rock	370
Soap	516
Middle lime	534
Soap	580
Brown lime	660
Grey lime	710
Brown and grey lime	880
Brown and grey lime and gypsum	892
Brown and grey lime	993
Brown lime	1,062
Brown and grey lime	1,237
Brown and blue lime	1,291
Brown and grey lime	1,303
Brown lime	1,328
Brown and blue lime and gypsum	1,334
Brown and blue lime	1,400
Brown and grey lime	1,421
Brown and blue lime	1,481
Brown lime	1,565
Brown and grey lime	1,714
Brown lime	1,725
Brown lime and salt	1,767
Brown lime	1,832
Brown and grey lime	1,890
Brown lime and salt	1,940
Salt	1,970
Brown lime	2,089
Grey lime	2,107
Brown lime	2,125
Grey lime	2,185

Fresh water at 82 feet; sulphur water at 747 to 753 and 800 to 806 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

B. Moore No. 2, lot 28, con. IX, Enniskillen tp.

Driller: W. McKillop.
Completed January 25, 1947.
Dry hole.

Formation	Depth, ft.
Surface	65
Black shale	92
Lime	105
Grey lime	134
Soap and shale	139
Lime and soap	184
Soap	292
Lime	320
Soap	340
Lime	345
Shale and lime	359
Lime	480

Show of gas at 160 feet.
Show of oil at 445 feet.
Fresh water at 59 and 61 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

C. A. Worts No. 2, lot 26, con. VIII, Enniskillen tp.

Driller: O. Shaw.
Completed February 14, 1947.
Dry hole.

Formation	Depth, ft.
Surface	50
Black shale	85
Brown shale	123
Soap	198
Soap and lime shell	260
Soap	266
Soap and lime shell	292
Middle lime	312
Soap	317
Soap and lime shell	342
Soap	343
Brown lime	379
Grey lime	389
Brown lime	425

Show of oil at 407 to 409 feet.
Fresh water at 52 feet.
Lower lime
Fresh water at 469 and 653 feet.

UNION GAS CO. OF CANADA, LTD.

L. Williams No. 1, lot 14, con. XII, Dawn tp.

Driller: Kiser Bros.
Completed July 19, 1948.
Dry hole.

Formation	Depth, ft.
Surface	44
Brown shale	70
Top rock	135
Soap	260
Middle lime	274
Soap	308
Brown and grey lime	991
Brown and blue lime and gypsum	1,036
Brown and blue lime	1,087
Brown and blue lime and gypsum	1,153
Brown and blue lime	1,351
Salt and lime	1,357
Salt	1,490
Brown and grey lime	1,735

Show of oil at 1,605 to 1,611, 1,617 to 1,623, and 1,677 to 1,683 feet.
Fresh water at 44 feet; sulphur water at 340 feet; salt water at 1,653 feet.

PLAINSMAN OIL AND GAS CO.

F. Irwin No. 1, lot 18, con. XI, Enniskillen tp.

Driller: W. Hussey.
Completed June 2, 1948.
Producing oil well.

Formation	Depth, ft.
Surface	82
Top rock	137
Top soap	277
Middle lime	295
Lower soap	345
Lower lime	480

Oil at 464 to 474 feet.
Fresh water at 97 feet; sulphur water at 480 feet.

PLAINSMAN GAS AND OIL CO.

O. Nichols No. 1, lot 16, con. XI, Enniskillen tp.

Driller: W. Hussey.
Completed December 23, 1948.
Producing oil well.

Formation	Depth, ft.
Surface	84
Top rock	134
Top soap	283
Middle lime	301
Lower soap	351
Lower lime	482

Oil at 456 to 474 feet.
Fresh water at 101 feet; sulphur water at 482 feet.

PLAINSMAN OIL AND GAS CO.

E. Rawson No. 1, lot 17, con. XI, Enniskillen tp.

Driller: W. Hussey.
Completed July 10, 1948.
Producing oil well.

Formation	Depth, ft.
Surface	84
Top rock	134
Top soap	269
Middle lime	289
Lower soap	339
Lower lime	480

Oil at 464 to 474 feet.
Fresh water at 96 feet; sulphur water at 480 feet.

PLAINSMAN OIL AND GAS CO.

A. Welch No. 1, lot 16, con. X, Enniskillen tp.

Driller: W. Hussey.
Completed August 4, 1948.
Producing oil well.

Formation	Depth, ft.
Surface	80
Top rock	130
Top soap	280
Middle lime	298
Lower soap	343
Lower lime	480

Oil at 464 to 476 feet.
Fresh water at 91 feet; sulphur water at 480 feet.

PLAINSMAN OIL AND GAS CO.

A. Welch No. 2, lot 16, con. X, Enniskillen tp.

Driller: W. Hussey.
Completed October 20, 1948.
Producing oil well.

Formation	Depth, ft.
Surface	82
Top rock	126
Top soap	280
Middle lime	301
Lower soap	353
Lower lime	482

Oil at 464 to 478 feet.
Fresh water at 91 feet; sulphur water at 480 feet.

J. E. REDDICK

A. Blackmore No. 1, lot 17, con. X, Enniskillen tp.

Driller: W. Hussey.
Completed September 16, 1948.
Producing oil well.

Formation	Depth, ft.
Surface	80
Top rock	130
Top soap	280
Middle lime	298
Lower soap	348
Lower lime	478

Oil at 464 to 471 feet.
Fresh water at 90 feet; sulphur water at 478 feet.

UNION GAS CO. OF CANADA, LTD.

I. and R. James No. 1, lot 13, con. II, Enniskillen tp.

Driller: Kiser Bros.
Completed March 9, 1948.
Dry hole.

Formation	Depth, ft.
Surface	64
Top rock	135
Soap	282
Lime	300
Soap	332
Brown lime	754
Sharp brown and grey lime	1,028
Brown and blue lime and gypsum	1,151
Brown and grey lime	1,211
Brown lime	1,324
Brown, grey, and blue lime	1,411
Salt and brown lime	1,622
Salt	1,640
Brown lime and salt	1,682
Brown lime	1,738
Brown, blue, and grey lime	1,822
Brown lime and salt	1,842
Salt	1,872
Brown lime	1,959
Brown, black, and grey lime	2,038

Fresh water at 75 and 110 feet; sulphur water at 368 to 374 and 400 to 406 feet; salt water at 2,020 to 2,032 feet.

UNION GAS CO. OF CANADA, LTD.

J. and M. McDonald No. 1, lot 12, con. I, Enniskillen tp.

Driller: Kiser Bros.
Completed April 26, 1948.
Dry hole.

Formation	Depth, ft.
Surface	77
Top rock	132
Soap	260
Middle lime	280
Soap	315
Brown and grey lime	707
Sharp brown and grey lime	719
Sharp grey lime	898
Brown and grey lime	992
Brown and grey lime and gypsum	1,046
Blue, grey, and brown lime	1,290
Brown lime and salt	1,320
Brown, blue, and grey lime	1,398
Brown lime and salt	1,658
Brown lime	1,723
Brown and grey lime	1,798
Salt	1,852
Brown lime and salt	1,858
Brown lime	1,986
Brown and grey lime	2,028

Show of oil at 315 to 317 feet.
Fresh water at 70 feet; sulphur water at 400 to 406 and 500 to 512 feet; salt water at 2,016 to 2,028 feet.

UNION GAS CO. OF CANADA, LTD.

C. and V. Piggott No. 1, lot 4, con. III, Enniskillen tp.

Driller: Kiser Bros.
Completed June 12, 1948.
Dry hole.

Formation	Depth, ft.
Surface	71
Black shale	117
Top rock	202
Soap	330
Middle lime	350
Soap	385
Brown and grey lime	802
Sharp brown and grey lime	909
Brown and grey lime	1,080
Grey and brown lime and gypsum	1,104
Brown, blue, and grey lime	1,373
Brown and blue lime and salt	1,422
Brown, blue, and grey lime	1,493
Brown lime and salt	1,505
Salt	1,517
Brown lime and salt	1,764
Brown lime	1,837
Brown and grey lime	1,900
Grey lime and salt	1,906
Salt	1,968
Brown and grey lime	2,144

Sulphur water at 522 to 528 feet; salt water at 1,350 to 1,360 and 2,132 to 2,138 feet.

GREGORY HOGAN

O. Nichols No. 2, lot 16, con. XI, Enniskillen tp.

Driller: W. J. Hussey.
Completed May 29, 1949.
Producing oil well.

Formation	Depth, ft.
Surface	85
Top rock	135
Upper soap	285
Middle lime	303
Lower soap	351
Lower lime	481

Oil at 460 to 468 feet.
Fresh water at 102 feet; sulphur water at 480 feet.

Lime	366

Show of oil at 227, 301, 337, and 357 feet.
Show of gas at 357 feet.
Fresh water at 123 feet; salt water at 227, 331, and 357 feet.

N. E. DE MERS

N. Simmons No. 1, lot 6, con. XI, Enniskillen tp.

Driller: H. Morningstar.
Completed July 1, 1950.
Producing oil well.

Formation	Depth, ft.
Surface	100
Top rock	140
Upper soap	295
Middle lime	315
Lower soap	375
Dark grey lime and fossils	379
Grey lime	445
Brown lime	483

Oil at 417 and 445 to 483 feet.
Show of gas at 417 feet.
Fresh water at 128 feet; sulphur water at 417 feet.

H. M. MORNINGSTAR

H. Morningstar No. 10, lot 17, con. II, Enniskillen tp.

Driller: H. Morningstar.
Completed September 10, 1950.
Producing oil well.

Formation	Depth, ft.
Surface	50
Top rock	72
Upper soap	190
Middle lime	205
Lower soap	245
Grey lime	345
Brown lime	385

Oil at 348 to 385 feet.
Fresh water at 65 and 267 feet.

E. L. ROTH

W. Ford No. 1, lot 7, con. XIV, Enniskillen tp.

Driller: Demaray and Nichols.
Completed April 25, 1950.
Dry hole.

Formation	Depth, ft.
Surface	168
Top rock	230
Top soap	351
Middle lime	368
Lower soap	409
Black lime	415
Big lime	530

Fresh water at 172 feet; salt water at 530 feet.

E. L. ROTH

W. Ford No. 2, lot 7, con. XIV, Enniskillen tp.

Driller: W. Hussey.
Completed September 30, 1950.
Producing oil well.

Formation	Depth, ft.
Surface	180
Top rock	240
Top soap	359
Middle lime	376
Lower soap	425
Big lime	510

Oil at 450 to 460 feet.

UNION GAS CO. OF CANADA, LTD.

N. and V. Wilson No. 1, lot 33, con. II, Dawn tp.

Driller: W. Kiser and Son.
Completed January 28, 1952.
Producing gas well.
Rock pressure: 878 lb.

Formation	Depth, feet
Surface	72
Black shale	187
Hamilton	465
Grey lime	477
Brown lime	727
Brown lime and gypsum	733
Brown lime	970
Sharp brown and grey lime	1,123
Brown lime	1,183
Blue lime	1,213
Blue, brown lime and gypsum	1,219
Brown, blue, grey lime	1,285
Blue lime	1,382
Brown lime	1,498
Blue lime	1,605
Brown lime	1,662
Brown and grey lime	1,706
Brown lime	1,734

Gas at 1,621–27, 1,633–39, and 1,719–34 feet.
Fresh water at 72 feet; sulphur water at 600 feet.

UNION GAS CO. OF CANADA, LTD.

D. Brand No. 1, lot 11, con. VI, Enniskillen tp.

Driller: W. Kiser and Son.
Completed March 24, 1952.
Dry hole.

Formation	Depth, feet
Surface	70
Black shale	140
Hamilton	388
Brown lime	588
Brown lime and gypsum	631
Brown lime	800
Sharp lime	985
Brown lime	1,073
Blue and brown lime	1,093
Blue and brown lime and gypsum	1,148
Blue, brown and grey lime	1,360
Salt and lime	1,405
Blue lime	1,477
Salt and lime	1,723
Brown lime	1,753
Brown and grey lime	1,813
Brown lime	2,069
Grey lime	2,122
Brown lime	2,163
Grey lime	2,252
Rochester	2,258

Show of oil at 1,813–19, and 2,057–63 feet.
Fresh water at 70 feet; sulphur water at 580 feet; salt water at 1,813, 1,829, and 1,875 feet.

UNION GAS CO. OF CANADA, LTD.

A. and E. Bruce No. 1, lot 1, con. IV, Enniskillen tp.

Driller: W. Kiser and Son.
Completed December 11, 1952.
Dry hole.

Formation	Depth, feet
Surface	75
Brown shale	198
Hamilton	520
Grey lime	528
Brown lime	874
Brown lime and gypsum	880
Brown and grey lime	1,034
Sharp lime	1,220
Brown and grey lime	1,338
Blue lime and gypsum	1,350
Blue and brown lime	1,696
Grey and brown lime	1,726
Brown lime	1,792
Brown and grey lime	1,864
Salt and lime	1,906
Salt	1,958
Brown and grey lime	2,000
Brown and black lime	2,090
Brown lime	2,124
Grey lime	2,205
Grey shale	2,210

Gas at 1,756–74 feet.
Sulphur water at 630 and 730 feet.

UNION GAS CO. OF CANADA, LTD.

E. and E. Bruton No. 1, lot 1, con. VIII, Enniskillen tp.

Driller: W. Kiser and Son.
Completed July 26, 1952.
Dry hole.

Formation	Depth, feet
Surface	88
Black shale	130
Hamilton	386
Brown lime	810
Sharp lime	990
Brown lime	1,044
Brown lime and gypsum	1,054
Brown lime	1,074
Brown and grey lime and gypsum	1,084
Brown, blue and grey lime	1,295
Salt and lime	1,355
Brown and grey lime	1,420
Salt and lime	1,495
Blue and grey lime	1,728
Salt and lime	1,859
Brown lime	1,918
Brown and grey lime	2,050
Brown lime	2,172

Show of gas at 415 and 450 feet.
Show of oil at 2,104–18 feet.
Fresh water at 85 feet; sulphur water at 480 feet; salt water at 2,136–42 and 2,148–54 feet.

N. E. DE MERS

N. de Mers No. 1, lot 17, con. II, Enniskillen tp.

Driller: H. Morningstar.
Completed May 1, 1952.
Producing oil well.

Formation	Depth, feet
Surface	54
Top rock	75
Upper soap	185
Middle lime	210
Lower soap	245
Grey lime	330
Brown lime	380

Oil at 330–80 feet.
Fresh water at 52 feet; brackish water at 262 feet.

UNION GAS CO. OF CANADA, LTD.

J. Hillis No. 1, lot 3, con. VIII, Enniskillen tp.

Driller: W. Kiser and Son.
Completed October 22, 1952.
Dry hole.

Formation	Depth, feet
Surface	62
Black shale	112
Hamilton	372
Brown lime	617
Brown lime and gypsum	627
Brown lime	797
Sharp lime	973
Brown lime	1,051
Blue, grey and brown lime	1,286
Salt and lime	1,366
Brown lime	1,426
Salt and lime	1,480
Blue, grey and brown lime	1,580
Salt and lime	1,825
Brown and grey lime	1,976
Salt	2,076
Brown lime	2,238
Grey lime	2,310
Blue shale	2,314

Sulphur water at 500 feet.

UNION GAS CO. OF CANADA, LTD.

J. Hills and Industrial Mortgage and Trust Co., lot 2, con. VIII, Enniskillen tp.

Driller: W. Kiser and Son.
Completed September 6, 1952.
Dry hole.

Formation	Depth, feet
Surface	64
Black shale	125
Hamilton	382
Brown lime	790
Sharp lime	970
Brown lime	1,060
Brown lime and gypsum	1,089
Grey, blue and brown lime	1,277
Salt and lime	1,327
Brown lime	1,404
Salt and lime	1,463
Grey and blue lime	1,595
Salt and lime	1,823
Brown and grey lime	1,950
Salt and lime	2,012
Brown lime	2,242
Grey lime	2,250

Gas at 410–17 feet.
Oil at 467–76 feet.
Sulphur water at 500 feet.

IMPERIAL OIL, LTD.

M. and R. Jeffs No. 1, lot 28, con. XII, Enniskillen tp.

Driller: R. McPherson.
Completed March 17, 1952.
Dry hole.

Formation	Depth, feet
Surface	60
Black shale	145
Grey lime	150
Soap	155
Grey lime	161
Soap and lime	165
Lime	180
Grey lime and soap	196
Brown lime	204
Grey lime and soap	225
Grey lime	235
Soap	350
Soap and lime	360
Middle lime	382
Middle lime and soap	392
Soap	400
Dark-grey shale and lime	406
Brown lime	650
Brown lime and gypsum	660
Brown lime	680

Show of gas at 66 feet.
Fresh water at 60 feet; sulphur water at 545 feet.

UNION GAS CO. OF CANADA, LTD.

E. Kells No. 1, lot 5, con. XIV, Enniskillen tp.

Driller: W. Kiser and Son.
Completed July 17, 1952.
Dry hole.

Formation	Depth, feet
Surface	178
Hamilton	427
Brown lime	557
Sharp grey lime	569
Brown lime	663
Brown lime and gypsum	669
Brown lime	687
Brown lime and gypsum	699
Brown lime	840
Grey lime	850
Brown lime	874
Sharp lime	1,034
Brown lime	1,126
Blue lime and gypsum	1,132
Brown lime	1,155
Blue lime and gypsum	1,161
Brown and blue lime	1,315
Lime and salt	1,355
Brown lime	1,375
Lime and salt	1,435
Brown lime	1,459
Lime and salt	1,533
Lime and gypsum	1,545
Brown lime	1,617
Lime and salt	1,671
Brown and blue lime	1,742
Lime and salt	1,768
Brown and grey lime	1,804
Lime and salt	2,029
Brown and grey lime	2,168
Salt	2,264
Brown lime	2,364
Black lime	2,409
Grey lime and gypsum	2,416
Brown lime	2,440
Grey lime	2,516
Grey shale	2,522

Show of oil at 484–90, 557–69, and 678–87 feet.
Fresh water at 80 and 187 feet; sulphur water at 557–69, 800, and 1,179 feet; salt water at 2,264 feet.

Lambton County—Continued

UNION GAS CO. OF CANADA, LTD.

M. McDonald No. 1, lot 6, con. XIV, Enniskillen tp.

Driller: W. Kiser and Son.
Completed September 8, 1952.
Dry hole.

Formation	Depth, feet
Surface	189
Hamilton	439
Brown lime	699
Grey lime and gypsum	711
Brown lime	885
Sharp lime	1,042
Brown lime	1,128
Blue lime and gypsum	1,134
Brown lime	1,174
Blue lime and gypsum	1,180
Brown and blue lime	1,387
Salt and lime	1,429
Brown lime	1,465
Salt and lime	1,533
Brown and grey lime	1,629
Salt and lime	1,653
Grey and brown lime	1,755
Salt and lime	2,030
Brown lime	2,096
Grey lime	2,166
Brown and grey lime and gypsum	2,178
Salt	2,273
Brown lime	2,318
Dark-grey lime	2,396
Grey lime and gypsum	2,408
Grey lime	2,483

Show of gas at 450 feet.
Show of oil at 484–90 feet.
Fresh water at 185 feet; sulphur water at 504–10, 558–72, 777, and 837 feet.

IMPERIAL OIL, LTD.

A. and W. Smale No. 1, lot 19, con. XIII, Enniskillen tp.

Driller: R. McMaster and Sons.
Completed February 25, 1952.
Dry hole.

Formation	Depth, feet
Surface	71
Black shale	154
Hamilton	424
Brown lime	908
Sharp lime	1,034
Brown lime	1,190
Blue shale and brown lime	1,301
Salt	1,315
Brown lime	1,350
Lime and salt	1,413
Salt, lime and gypsum	1,431
Brown lime	1,472
Lime and salt	1,585
Shale	1,680
Lime and salt	1,713
Salt	1,906
Lime and shale	2,045
Salt	2,127
Gypsum	2,130
Brown lime	2,301
Grey lime	2,359
Shale	2,364

Sulphur water at 560 feet.

UNION GAS CO. OF CANADA, LTD.

S. and T. Mills No. 1, lot 29, con. I, Enniskillen tp.

Driller: Ehde and Meier.
Completed November 25, 1952.
Producing gas well.
Rock pressure: 805 lb.

Formation	Depth, feet
Surface	50
Black shale	160
Hamilton	445
Brown lime	810
Sharp sand	1,125
Brown lime	1,220
Brown and blue lime and gypsum	1,270
Blue and brown lime	1,290
Blue lime and gypsum	1,360
Brown and blue lime	1,610
Brown lime	1,666
Grey lime	1,732
Lime and gypsum	1,744
Brown lime	1,817
Grey lime	1,841
Brown lime	1,884

Gas at 1,618–48 and 1,744–51 feet.
Fresh water at 48 feet; sulphur water at 550 feet; salt water at 1,800 and 1,835 feet.

UNION GAS CO. OF CANADA, LTD.

J. Stapleton No. 1, lot 2, con. IX, Enniskillen tp.

Driller: W. Kiser and Son.
Completed June 5, 1952.
Dry hole.

Formation	Depth, feet
Surface	80
Black shale	120
Hamilton	370
Brown lime	545
Brown lime and gypsum	665
Brown lime	800
Sharp brown and grey lime	981
Brown and blue lime	1,069
Brown and blue lime and gypsum	1,082
Brown and grey lime	1,141
Brown lime and gypsum	1,149
Brown and grey lime	1,292
Salt and lime	1,328
Brown lime	1,338
Salt and lime	1,361
Grey, blue, and brown lime	1,442
Salt and lime	1,478
Grey and blue lime	1,601
Salt and lime	1,845
Brown lime	1,920
Blue and grey lime	1,992
Salt	2,085
Brown lime	2,127
Grey and brown lime	2,211
Brown and grey lime and gypsum	2,229
Brown lime	2,253
Grey lime	2,322
Grey shale	2,328

Fresh water at 80 feet; sulphur water at 520, 600, and 630 feet.

Lambton County—Continued

UNION GAS CO. OF CANADA, LTD.

J. and G. Webb No. 1, lot 15, con. III, Enniskillen tp.

Driller: W. Kiser and Son.
Completed October 22, 1952.
Dry hole.

Formation	Depth, feet
Surface	75
Black shale	90
Hamilton	460
Brown lime	730
Brown lime and gypsum	736
Brown lime	898
Sharp lime	1,090
Brown lime	1,186
Blue and brown lime and gypsum	1,192
Brown lime	1,210
Blue and brown lime and gypsum	1,216
Grey, blue and brown lime	1,616
Brown lime and salt	1,676
Brown lime	1,688
Salt and lime	1,694
Brown lime	1,763
Grey lime	1,830
Salt and lime	1,875
Brown lime and gypsum	1,887
Brown lime	1,941
Brown and black lime	1,996
Grey and brown lime	2,008
Brown lime	2,038
Grey lime	2,116
Grey shale	2,122

Show of oil at 75 feet.
Show of gas at 1,899–1,905 feet.
Fresh water at 75 feet; sulphur water at 586 and 643 feet.

E. R. MCGAFFEY

C. and B. Brown No. 3, lot 17, con. V, Euphemia tp.

Driller: E. McGaffey.
Completed March 10, 1952.
Dry hole.

Formation	Depth, feet
Surface	78
Soap	109
Lime shell	112
Soap	138
Lime shell	148
Soap	193
Middle Lime	205
Lower soap	225
Dark streak	231
Soap	233

Show of oil at 234 feet.
Fresh water at 63 feet; salt water at 112 and 347 feet.

E. R. MCGAFFEY

C. and B. Brown No. 4, lot 17, con. V, Euphemia tp.

Driller: E. McGaffey.
Completed December 6, 1952.
Dry hole.

Formation	Depth, feet
Surface	72
Soap	107
Lime shell	111
Soap	135
Lime shell	138
Soap	140
Lime shell	148
Soap	158
Lime shell	165
Soap	184
Middle lime	205
Lower soap	225
Dark streak	233
Lower lime	368
Oriskney sand	370

Show of oil at 233 and 347 feet.

E. L. ROTH

L. Elliott No. 1, lot 25, con. X, Euphemia tp.

Driller: S. Earl.
Completed July 4, 1952.
Dry hole.

Formation	Depth, feet
Surface	65
Top rock	118
Upper soap	257
Middle lime	270
Lower soap	287
Grey and brown lime	398
Sharp sand	430
Buff lime	476

Fresh water at 100 feet; black water at 259 feet; sulphur water at 408 feet.

E. L. ROTH

L. Elliott No. 1, lot 26, con. IX, Euphemia tp.

Driller: R. Lather.
Completed August 8, 1952.
Dry hole.

Formation	Depth, feet
Surface	93
Top rock	113
Top soap	251
Middle lime	268
Lower soap	286
Grey lime	293
Brown lime	376
Sharp sand	420
Brown lime	475

Fresh water at 93 feet; sulphur water at 450 feet.

E. L. ROTH

L. Elliott No. 2, lot 28, con. X, Euphemia tp.

Driller: Demaray and Nichols.
Completed October 28, 1952.
Dry hole.

Formation	Depth, feet
Surface	78
Top rock	110
Soap	245
Middle lime	262
Lower soap	282
Grey and brown lime	580
Sharp grey lime	800

Fresh water at 77 feet; sulphur water at 450 and 570 feet.

E. L. ROTH

C. Johnson No. 1, lot 26, con. VIII, Euphemia tp.

Driller: R. Lather.
Completed December 6, 1952.
Dry hole.

Formation	Depth, feet
Surface	67
Top rock	112
Top soap	248
Middle lime	268
Lower soap	278
Grey lime	290
Brown lime	370
Sharp sand and lime	400

Show of oil at 310 feet.
Fresh water at 67 feet; sulphur water at 400 feet.

BECHER OIL AND GAS CO., LTD.

L. Lassaline No. 1, lot 29, con. V, Enniskillen tp.

Driller: Demaray and Nichols.
Completed September 27, 1951.
Dry hole.

Formation	Depth, ft.
Surface	55
Black shale	136

Show of gas at 53 feet.

UNION GAS CO. OF CANADA, LTD.—DAWN No. 164

—B. Warren No. 1, lot 29, con. I, Enniskillen tp.

Location: 1,600 ft. N., 796 ft. E.
Elevation: 670 ft.
Driller: W. Kiser and Son.
Completed: Feb. 14, 1953.
Result: dry hole.

Formation	Depth ft.
Surface	45
Huron	145
Hamilton	405
Brown lime	639
Brown lime and gypsum	645
Brown lime	693
Brown lime and gypsum	701
Brown lime	810
Sharp lime	1,133
Brown lime	1,228
Brown lime and gypsum	1,234
Grey and blue lime	1,276
Blue and brown lime and gypsum	1,282
Grey and brown lime	1,526
Grey lime	1,617
Brown lime	1,680
Grey lime	1,737
Brown lime	1,974
Light-grey lime	2,040

Fresh water at 45 ft.; sulphur water at 549 and 591 ft.; salt water at 1,844 ft.

R. FAIRBANK—No. 2

R. Fairbank No. 2, lot 14, con. X, Enniskillen tp.

Location: 60 ft. S., 700 ft. E.
Elevation: 646 +1 ft.
Driller: W. Hussey.
Completed: July 20, 1953.
Result: producing oil well.

Formation	Depth ft.
Surface	90
Top lime	130
Upper soap	250
Middle lime	270
Hard, grey shale	305
Grey lime	360
Buff lime	415
Brown lime	465
Buff lime	475
Grey, sandy lime	485

Oil at 415–65 ft.
Fresh water at 74 ft.; sulphur water at 482 ft.

UNION GAS CO. OF CANADA, LTD.—DAWN No. 167

Z. Moore No. 1, lot 28, con. I, Enniskillen tp.

Location: 200 ft. N., 575 ft. W.
Elevation: 525 ft.
Driller: W. Kiser and Son.
Completed: June 18, 1953.
Rock pressure: 912 lb.
Result: producing gas well.

Formation	Depth ft.
Surface	40
Black shale	130
Hamilton	383
Brown lime	494
Sharp lime	506
Brown lime	601
Brown lime and gypsum	607
Brown lime	758
Sharp lime	1,020
Brown lime	1,102
Brown lime and gypsum	1,149
Grey and brown lime	1,173
Blue lime and gypsum	1,190
Blue, brown, and grey lime	1,477
Brown lime	1,523
Grey lime	1,553
Brown lime	1,622

Gas at 1,498–1,523, 1,553–69, and 1,577–1,622 ft.
Fresh water at 40 ft.; sulphur water at 494 and 536 ft.

UNION GAS CO. OF CANADA, LTD.—ENNISKILLEN No. 24

D. Anderson No. 1, lot 7, con. VIII, Enniskillen tp.

Location: 700 ft. S., 200 ft. E.
Driller: Kiser Drilling Co.
Completed: Sept. 5, 1953.
Result: dry hole.

Formation	Depth ft.
Surface	63
Brown shale	106
Hamilton	373
Brown lime	815
Sharp lime	1,010
Brown lime	1,096
Brown lime and gypsum	1,102
Brown and blue lime	1,302
Lime and salt	1,362
Brown and grey lime	1,446
Lime and salt	1,500
Brown and blue lime	1,584
Lime and salt	1,608
Brown lime	1,636
Salt	1,846
Brown lime	1,912
Grey lime	2,008
Salt	2,075
Brown lime	2,123
Dark-brown lime	2,216
Grey and brown lime	2,240
Grey lime	2,322
Grey shale	2,327

Show of gas at 402 ft.
Fresh water at 63 ft.; sulphur water at 505 ft.

Lambton County - Continued

UNION GAS CO. OF CANADA, LTD. - No. 26 Enniskillen
M. Logan and M. Welch No. 1
Enniskillen Tp., Lot 1, Con. V.

Co-ordinates: 200' N., 490' W.
Elevation: 638' + 2'.
Driller: Kiser Drilling Co.
Completed: August 13, 1954.
Result: Producing gas well.
Reported flow: 345.6 M.C.F./day; W.H.P. 854 lbs.

Formation	Thickness feet	Depth feet
Surface	78	78
Black shale	112	190
Hamilton	240	430
Brown lime	418	848
Sharp lime	182	1,030
Brown lime	80	1,110
Blue and brown lime	386	1,496
Salt	270	1,766
Brown lime	54	1,820
Grey lime	84	1,904
Salt	76	1,980
Brown lime	36	2,016
Dark grey lime	90	2,106
Lime and gypsum	6	2,112
Brown lime	76	2,188
Grey lime	67	2,255
Blue-grey shale	5	2,260

Water	Gas
Fresh at 78'	At 2,147' to 2,188'
Sulphur at 572' and 578'	

UNION GAS CO. OF CANADA, LTD. - No. 27 Enniskillen
H. Font No. 1
Enniskillen Tp., Lot 1, Con. VIII.

Co-ordinates: 350' S., 550' E.
Elevation: 644' + 2'.
Driller: Kiser Drilling Co.
Completed: September 23, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	103	103
Black shale	17	120
Hamilton	258	378
Brown lime, grey lime	438	816
Sharp lime	184	1,000
Brown lime	96	1,096
Blue and brown lime	210	1,306
Salt and lime	42	1,348
Blue and brown lime	318	1,666
Salt	204	1,870
Brown lime	54	1,924
Blue and grey lime	66	1,990
Grey and brown lime	12	2,002
Brown lime	78	2,080
Dark grey lime	36	2,116
Brown lime	48	2,164
Grey lime	12	2,176
Brown lime	49	2,225

Water
Fresh at 100'
Sulphur at 514'
Salt at 2,152'

UNION GAS CO. OF CANADA, LTD. - No. 28 Enniskillen
H. Font No. 2
Enniskillen Tp., Lot 1, Con. VIII.

Co-ordinates: 1425' S., 900' E.
Elevation: 640' + 2'.
Driller: Kiser Drilling Co.
Completed: October 28, 1954.
Result: Producing gas well.
Reported flow: 14,838 M.C.F./day; W.H.P. 766 lbs.

Formation	Thickness feet	Depth feet
Surface	89	89
Kettle Point	20	109
Hamilton	260	369
Brown lime	429	798
Sharp lime	180	978
Brown lime	106	1,084
Blue, brown and grey lime	202	1,286
Salt and lime	54	1,340
Grey and brown lime	90	1,430
Salt and lime	47	1,477
Blue and grey lime	141	1,618
Salt	120	1,738
Brown lime	54	1,792
Grey lime	84	1,876
Brown lime	42	1,918
Lime and gypsum	6	1,924
Brown lime	111	2,035

Water	Gas
Sulphur at 500' to 510' and 575' to 579'	At 876' to 882' 1,900' to 1,906' 1,996' to 2,035'

WILSON-SULLIVAN DEVELOPMENT CO. - No. 62
E. Kells No. 1
Enniskillen Tp., Lot 5, Con. XIV.

Co-ordinates: 1820' S., 90' E. c/1.
Elevation: 697' + 1'.
Driller: Demaray and Nichols.
Completed: July 24, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	172	172
Top rock	66	238
Soap	119	357
Middle lime	13	370
Lower soap	52	422
Brown lime	212	634
Lime and gypsum	15	649
Buff lime	20	669
Brown lime	20	689
Gypsum and lime	2	691

Water	Oil
Fresh at 90', 118', 155' and 172'	Trace at 555'
Sulphur at 555' to 561' and 685'	

Lambton County - Continued

EDWIN R. McGAFFEY - No. 5
O. Rolstone No. 1
Euphemia Tp., Lot 17, Con. V.

Co-ordinates: 150' N., 350' W.
Elevation:
Driller: E. McGaffey.
Completed: December 15, 1954.
Result: Producing oil well.
Reported flow: 1 bbl./day.

Formation	Thickness feet	Depth feet
Log to lower lime	252	252
Lower lime	103	355

Water	Oil
Salty at 354' to 356'	At 306' to 314'

NOTE: This is a "deepening" and not tabulated as a well drilled; drilled first in May, 1953.

EDWIN R. McGAFFEY - No. 7
O. Rolstone No. 2
Euphemia Tp., Lot 17, Con. V.

Co-ordinates: 320' N. of c/l., 600' W. of c/l.
Elevation: 635' + 1'.
Driller: E. McGaffey.
Completed: August 10, 1954.
Result: Producing oil well.
Reported flow: 1 bbl./day.

Formation	Thickness feet	Depth feet
Surface	172	172
Hamilton	66	238
Brown lime	117	355
Watersand	5	360

Water	Oil
Fresh at 123' and 172'	At 277' to 279'
Salty at 355' to 360'	309' to 315'

IMPERIAL OIL LTD. - No. 420; Colinville No. 11
A. White No. 3
Moore Tp., Lot 17, Con. VIII.

Co-ordinates: 2525' S., 400' W.
Elevation: 650' + 2'.
Driller: W. R. McMaster and Sons.
Completed: April 21, 1954.
Result: Producing gas well.
Reported flow: 1.4 M.M.C.F./day; W.H.P. 760 lbs.

Formation	Thickness feet	Depth feet
Surface	143	143
Black shale	94	237
Hamilton	256	493
Brown lime	407	900
Sharp sand	210	1,110
Brown lime	91	1,201
Brown lime and gypsum	202	1,403
Salt	53	1,456
Blue lime and gypsum	41	1,497
Salt	47	1,544
Blue and brown lime	92	1,636
Salt	30	1,666
Brown lime and gypsum	78	1,744
Salt	244	1,988
Brown lime	112	2,100
Brown lime and shale	49	2,149
Salt	25	2,174
Brown lime	20	2,194

Water	Gas
Fresh at 138' to 143'	At 2,184' to 2,194 feet

IMPERIAL OIL LTD. - No. 426
J. Sipkins No. 1
Moore Tp., Lot 18, Con. X.

Co-ordinates: 150' N., 900' E.
Elevation: 652' + 2'.
Driller: R. McPherson.
Completed: March 12, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	140	140
Black shale	65	205
Hamilton	280	485
Brown lime	385	870
Sharp sand	180	1,050
Brown lime	114	1,164
Brown and blue lime	179	1,343
Salt	69	1,412
Grey shale and lime	36	1,448
Salt	10	1,458
Brown lime	10	1,468
Salt	26	1,494
Grey shale	35	1,529
Salt	26	1,555
Brown lime	10	1,565
Salt	23	1,588
Brown and grey lime	98	1,686
Salt	10	1,696
Grey shale and brown lime	89	1,785
Salt	308	2,093
Brown lime	157	2,250
Grey lime	3	2,253
Salt	108	2,361
Brown lime	79	2,440
Grey lime	40	2,480
Brown lime	60	2,540
Grey lime	45	2,585
Grey shale	6	2,591

Water	Oil
Fresh at 139'	Show at 2,361' to 2,380'
Sulphur at 570' to 580'	

Lambton County - Continued

R. J. BRENNAN - No. 1
Wm. Telsey No. B-1
Enniskillen Tp., Lot 12, Con. XII.

Co-ordinates: 2000' S., 1500' W.
Elevation: 672' + 0'.
Driller: S. Earl.
Completed: July 19, 1954.
Result: Producing oil well.
Reported flow: .33 bbls./day.

Formation	Thickness feet	Depth feet
Surface	96	96
Top rock	65	161
Soap	190	270
Middle lime	22	292
Lower soap	46	338
Light brown lime	62	400
Dark brown lime	74	474

Water	Oil
Fresh at 106'	At 450' to 467'
Sulphur at 283'	

NOTE: The above log is one representative log of a five-spot group, drilled for experimental secondary recovery operations.

N. de MERS - No. A
N. de Mers - No. A
Enniskillen Tp., Lot 17, Con. II.

Co-ordinates: 1475' N., 520' E.
Elevation: 655' + 0'.
Driller: E. McGaffey.
Completed: August 18, 1954.
Result: Producing oil well.
Reported flow: 1.5 bbls./day.

Formation	Thickness feet	Depth feet
Surface	62	62
Soap and lime shells	132	194
Middle lime	23	217
Lower soap	31	248
Dark streak	6	254
Lower lime	123	377

Water	Oil
Brackish at 255' to 256'	At 255' to 256' and 315' to 375'

NOTE: The above log is one representative log of a five-spot group, drilled for experimental secondary recovery operations.

SUN OIL CO., LTD. - No. 1
J. E. McPhail No. 1
Enniskillen Tp., Lot 23, Con. X.

Co-ordinates: 1188' S., 330' W.
Elevation: 677' + 2'.
Driller: W. Kiser and Son.
Completed: November 29, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	51	51
Kettle Point	53	104
Hamilton	161	265
Dundee	97	362
Detroit River	494	856
Bass Island	100	956
Salina	1,071	2,027
Salt at 1,270 to 1,312 1,404 to 1,457 1,529 to 1,772 1,923 to 1,993		
Guelph	91	2,118
Rochester	43	2,161

Water	Oil
Fresh at 106', 270' and 365'	Show at 448' to 462'
Sulphur at 491'	1,803' to 1,806'
Salt at 2,127'	2,127' to 2,132'

UNION GAS CO. OF CANADA, LTD. - No. 180 Dawn
H. Whiting No. 1
Enniskillen Tp., Lot 7, Con. I.

Co-ordinates: 1650' N., 300' W.
Elevation: 643' + 3'.
Driller: W. Kiser and Son.
Completed: February 24, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	59	59
Black shale	76	135
Hamilton	242	377
Brown lime	413	790
Sharp lime	134	924
Brown lime	99	1,023
Lime and gypsum	23	1,046
Brown lime	24	1,070
Lime and gypsum	126	1,196
Brown and blue lime	113	1,309
Lime and salt	24	1,333
Lime and gypsum	97	1,430
Salt and lime	258	1,688
Brown lime	54	1,742
Grey and brown lime	90	1,832
Salt and lime	60	1,892
Lime and gypsum	12	1,904
Brown lime	115	2,019
Lime and gypsum	18	2,037
Brown lime	22	2,059
Grey lime	72	2,131
Grey shale	7	2,138

Water
Fresh at 55'
Sulphur at 546', 566' and 590'
Salt at 2,071'

Lambton County - Continued

UNION GAS CO. OF CANADA, LTD. - No. 181 Dawn
F. Ozi No. 1
Enniskillen Tp., Lot 27, Con. II.

Co-ordinates: 800' N., 1500' W.
Elevation: 670' + 2'.
Driller: Meier and Shaw.
Completed: September 6, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	64	64
Black shale	66	130
Hamilton	270	400
Brown lime	366	766
Sharp lime	214	980
Brown lime	103	1,083
Lime and gypsum	200	1,283
Blue and brown lime	159	1,442
Salt and lime	222	1,660
Brown lime	90	1,750
Grey and brown lime	42	1,792
Salt and lime	31	1,823
Brown lime and grey lime	246	2,069
Grey shale	5	2,074

Water
Sulphur at 498'
Salt at 1,780'

UNION GAS CO. OF CANADA, LTD. - No. 183 Dawn
Zach Moore No. 2
Enniskillen Tp., Lot 28, Con. I.

Co-ordinates: 1250' N., 275' W.
Elevation: 670' + 2'.
Driller: W. Kiser and Son.
and Rotary Drillers (Canada) Limited.
Completed: September 11, 1954.
Result: Producing gas well.
Reported flow: 25,829 M.C.F./day; W.H.P. 910 lbs.

Formation	Thickness feet	Depth feet
Surface	48	48
Black shale	70	118
Hamilton	255	373
Brown lime	377	750
Sharp lime	230	980
Brown lime	80	1,060
Lime and gypsum	382	1,442
Brown, blue and grey lime	129	1,571
Brown lime	271	1,842
Grey lime	179	2,021

Water	Gas	Oil
Sulphur at 490' and 560'	At 1,571' to 1,765'	At 1,765' to 1,777' 1,807' to 1,840'

UNION GAS CO. OF CANADA, LTD. - No. 187 Dawn
Zach Moore No. 3
Enniskillen Tp., Lot 28, Con. I.

Co-ordinates: 2320' N., 200' W.
Elevation: 670' + 2'.
Driller: Meier and Shaw.
Completed: November 16, 1954.
Result: Producing gas well.
Reported flow: 8,561 M.C.F./day; W.H.P. 908 lbs.

Formation	Thickness feet	Depth feet
Surface	50	50
Huron	90	140
Hamilton	250	390
Dundee	61	451
Detroit River	546	997
Chert 763-997		
Bass Island	133	1,130
Salina	480	1,610
A2 - 1524		
Guelph	113	1,723

Water	Gas
Sulphur at 510'	At 1,578' to 1,583' 1,619' to 1,696'

UNION GAS CO. OF CANADA, LTD. - No. 25 Enniskillen
W. Gauld No. 1
Enniskillen Tp., Lot 8, Con. VIII.

Co-ordinates: 954' S., 500' W.
Elevation: 651' + 2'.
Driller: Kiser Drilling Co.
Completed: January 16, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	73	73
Black shale	37	110
Hamilton	255	365
Brown lime	440	805
Sharp lime	180	985
Brown lime	97	1,082
Blue lime and gypsum	6	1,088
Blue, brown and grey lime	210	1,298
Salt and lime	60	1,358
Brown lime	72	1,430
Salt and lime	66	1,496
Brown and blue lime	82	1,578
Salt and lime	266	1,844
Brown lime	70	1,914
Grey lime	72	1,986
Salt	84	2,070
Brown lime	136	2,206
Lime and gypsum	18	2,224
Brown lime	18	2,242
Grey lime	82	2,324
Grey shale	4	2,328

Water	Oil	Gas
Sulphur at 500' Salt at 1,298'	Show at 368'	Show at 368' and 435' to 441'

Checked with Rept

Name of Gas or Oil Co. UNION GAS Co # 25 Enniskillen

Address Chatham

Location, County LAMBTON Tp. Enniskillen Con. VIII Lot 8

Driller Kiser Drilling Co Address

Date commenced Date completed 16 Jany 54

Year 1954

Co. Well No. E 25

Pt. Lot E 1/2

Prop. Owner H.L. Gauld. #1

Elev. 651+2

Acres 100

DRILLERS LOG (Formation)	Thickness	TOTAL
Surface	73	73
Black shale	37	110
Hamilton	255	365
Brown lime	440	805
Sharp "	180	985
Brown "	97	1082
Lime & gyp	6	1088
Blue grey & brown lime	210	1298
Salt & lime	60	1358
Brown lime	72	1430
Salt & lime "	66	1496
Brown & blue lime	82	1578
Salt & lime	266	1844
Brown "	70	1914
Grey "	72	1986
Salt	84	2070
Brown "	136	2206
Lime & gyp	18	2224
Brown "	18	2242
Grey "	82	2324
Grey shale	4	2328

WATER RECORD

Kind	Depth	Ft. Rises
Sulfur	500	show
Salt	1298'	"

CASING RECORD

Length	Diam.	Weight
	plugged	

SKETCH OF LOCATION

954 S
500 W

N.

W. E.

S.

Type Packer

Size

Set off Bottom feet

Explosive used No. qts. or lbs.

Placed between and ft. from surface

Initial Oil Yield bbls./day. Initial Gas Yield M. cu. ft./day

Rock Pressure lbs. After being shut in Days

1st Gas ~~or Oil~~ 368 ft. Flow Show gas cu. ft. or bbls./day

2nd " " " 368 " " " oil " " " "

3rd " " " 435-41 " " " gas " " " "

4th Show oil 368 " " " " " "

5th " " " " " " " " "

6th " " " " " " " " "

Name of Gas or Oil Co. Sun Oil Co — Attached with Rept — Year 54

Address 240 Huron St Toledo Ohio — Co. Well No. 1

Location, County E LAMBTON — Tp. Enniskillen — Con. X — Lot 23 — Pt. Lot E 1/2

Driller W Kiser & Son — Address Chatham — Prop. Owner J. McPhail #1

Date commenced — Date completed 29 Nov 54 — Elev. 677+2 — Acres 100

DRILLERS LOG (Formation)	Thickness	TOTAL
Surface	51	51
Black Shale	53	104
Hamilton	261	365
Dundee	97	462
Detroit River	494	956
chert 775-956		
Salina	100	1056
Salt 1270-1312	1071	2027
1404-1457		
1529-1772		
1923-1993		
Guelph	91	2218
Rochester	43	2261

WATER RECORD

Kind	Depth	Ft. Rises
Fresh	106	106
"	270	270
"	365	365
Sulphur	491	91
Salt	2127	?

CASING RECORD

Length	Diam.	Weight

SKETCH OF LOCATION

1188' S 330' W. N. S. W. E.

Type Packer

Size

Set off Bottom feet

Explosive used — No. qts. or lbs.

Placed between — and — ft. from surface

Initial Oil Yield — bbls./day. Initial Gas Yield — M. cu. ft./day

Rock Pressure — lbs. After being shut in — Days

1st ~~Gas~~ or Oil 448-462 ft. Flow show trace oil ~~cu. ft.~~ or bbls./day

2nd " " " 1803-1806 " " " " " " "

3rd " " " 2187-2132 " " " " " " "

4th " " " " " " " " " "

5th " " " " " " " " " "

6th " " " " " " " " " "

Name of Gas or Oil Co. N de Mers No A Year 1954

Address Petrolia Co. Well No. B

Location, County LAMBTON Tp. Enniskillen Con. II Lot 17 Pt. ~~Lot~~ SW 1/4

Driller E R. McGaffey Address Bothwell Prop. Owner N. de Mers

Date commenced Date completed 2 Sept 54 Elev. 653 est Acres 24

DRILLERS LOG (Formation)	Thickness	TOTAL
Surface	60	60
Soap	135	195
Middle limit	19	214
soap	31	245
dark shale	9	254
Dundee	118	372
Injection well		

WATER RECORD

Kind	Depth	Ft. Rises
Brackish	265	9

CASING RECORD

Length	Diam.	Weight
63	8"	
307	6 1/4	

SKETCH OF LOCATION

1375' N 620' E N. W. E. S.

Type Packer

Size

Set off Bottom feet

Explosive used Nitro No. qts. ~~or lbs.~~ 165

Placed between and ft. from surface

Initial Oil Yield bbls./day. Initial Gas Yield M. cu. ft./day

Rock Pressure lbs. After being shut in Days

1st ~~Gas~~ or Oil 320 - 335 ft. Flow 1/2 ~~cu. ft.~~ or bbls./day

2nd " " " " " " " " " "

3rd " " " " " " " " " "

4th " " " " " " " " " "

5th " " " " " " " " " "

6th " " " " " " " " " "

Name of Gas or Oil Co. N E de Mers — Checked with Rept — Year 54

Address Petrolia — Co. Well No. A

Location, County LAMBTON — Tp. Enniskillen — Con. II — Lot 17 — Pt. Lot Pt SW 1/4

Driller E McGaffey — Address Bothwell — Prop. Owner N de Mers

Date commenced — Date completed 18 Aug. 54. — Elev. 655 est — Acres 20

DRILLERS LOG (Formation)	Thickness	TOTAL
~~Brackish~~	~~25~~	
Surface	62	62
Hamilton soap	132	194
middle lime	23	217
soap	31	248
dark limy shell	6	254
Dundee	123	377

WATER RECORD

Kind	Depth	Ft. Rises
Brackish	~~255~~ 255 to 256	10

CASING RECORD

Length	Diam.	Weight
66	8 1/2	
315	6 1/4	

SKETCH OF LOCATION

147 ft N 520 E N. W. E. S.

Type Packer

Size

Set off Bottom feet

Explosive used nitro — No. qts. ~~or lbs.~~ 55

Placed between 330 and 375 ft. from surface

Initial Oil Yield 1/2 bbls./day. Initial Gas Yield M. cu. ft./day

Rock Pressure lbs. After being shut in Days

1st ~~Gas~~ or Oil 255 to 256 ft. Flow show oil ~~cu. ft.~~ or bbls./day

2nd — " " 315 - 375 " " 1/2 bbl " " " "

3rd " " " " " " " " " "

4th " " " " " " " " " "

5th " " " " " " " " " "

6th " " " " " " " " " "

Checked with Page ✓

Name of Gas or Oil Co. R.J. Brennan #1 Year 1954

Address Bradford Pa Co. Well No. 2

Location, County Lambton Tp. Enniskillen Con. XII Lot 12 Pt. Lot

Driller Sidney Earl Address Kerrwood Prop. Owner Wm Telsey B2

Date commenced Date completed 26 July 54 Elev. 672 +0 Acres 165

DRILLERS LOG (Formation)	Thickness	TOTAL
Surface	94	94
Top Rock	56	150
Soap	127	277
Middle Lime	10	287
Soap	50	337
Buff Lime	69	406
Brown Lime	61½	467½

WATER RECORD

Kind	Depth	Ft. Rises
Fresh	104	51

CASING RECORD

Length	Diam.	Weight
95	8"	
340	6⅝	

SKETCH OF LOCATION

1800 N 1900 S N. W. E. S.

Type Packer

Size

Set off Bottom feet

Explosive used No. qts. or lbs.

Placed between and ft. from surface

Initial Oil Yield 1/3 bbls./day. Initial Gas Yield — M. cu. ft./day

Rock Pressure lbs. After being shut in Days

1st ~~Gas~~ or Oil 456 - 467 ft. Flow 1/3 ~~cu. ft.~~ or bbls./day

2nd " " " " " " " " " "

3rd " " " " " " " " " "

4th " " " " " " " " " "

5th " " " " " " " " " "

6th " " " " " " " " " "

Name of Gas or Oil Co. R.J. Brennan — checked with Rep^t — Year 1954

Address 101 main St Bradford Pa. — Co. Well No. 1

Location, County LAMBTON — Tp. Enniskillen — Con. VIII — Lot 12 — Pt. Lot

Driller Sidney Earl — Address Kerrwood — Prop. Owner 14th Telsey B.L.

Date commenced — Date completed 19 July 54 — Elev. 672+a — Acres 165

DRILLERS LOG (Formation)	Thickness	TOTAL
Surface	96	
Top Rock	65	161
Upper Soap	109	270
Middle lime	22	292
Lower Soap	46	338
Light brown Batt lime	62	400
Dark Brown lime	74	474

WATER RECORD

Kind	Depth	Ft. Rises
Fresh	106	50
Sulphur	283	163

CASING RECORD

Length	Diam.	Weight
97	8"	
342	6 5/8	

SKETCH OF LOCATION

1500' W 2000 S. N. W. E. S.

Type Packer

Size

Set off Bottom feet

Explosive used — No. qts. or lbs.

Placed between — and — ft. from surface

Initial Oil Yield 1/3 661 bbls./day. Initial Gas Yield — M. cu. ft./day

Rock Pressure — lbs. After being shut in — Days

1st Gas or Oil ASD - A67 ft. Flow 1/3 661 cu. ft. or bbls./day

2nd " " " — " " — " " " "

3rd " " " — " " — " " " "

4th " " " — " " — " " " "

5th " " " — " " — " " " "

6th " " " — " " — " " " "

Section V: Euphemia Township

Chapter I: Lambton County

The Harkness Files
Volume IX
Lambton

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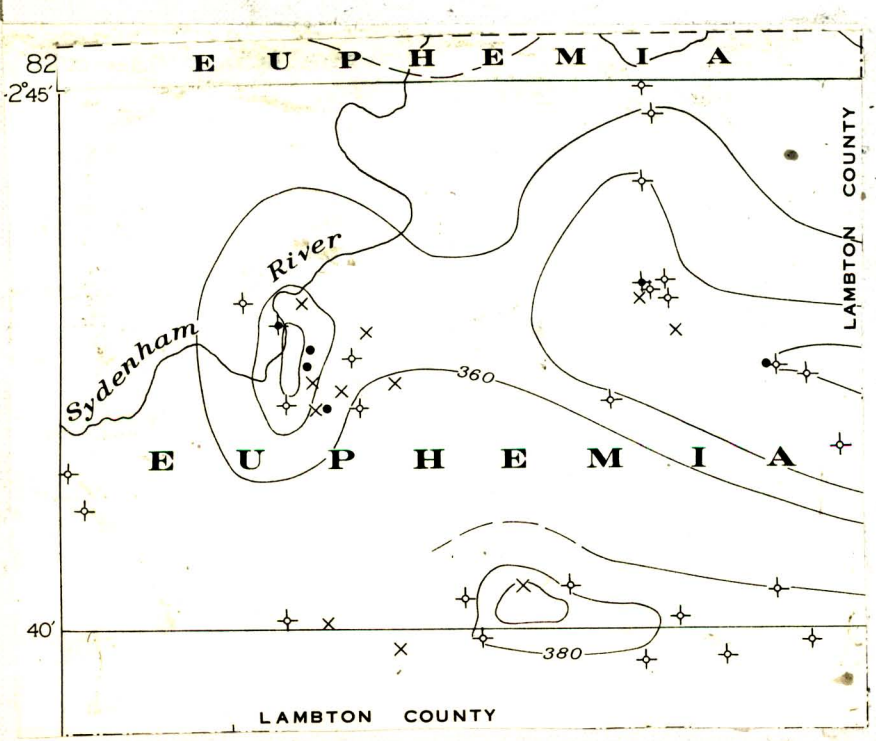
82
42°45'
EUPHEMIA
LAMBTON COUNTY
River
Sydenham
360
EUPHEMIA
40'
380
LAMBTON COUNTY

Euphemia twp.

BUREAU OF MINES 1895

The recent rise in the price of petroleum led during the past year to the drilling of many wells in the Petrolea and Oil Springs districts, and in other localities where there was reason to believe that oil might be found. Along the south branch of the Sydenham river, in Euphemia township, several wells were bored which yielded a small flow, and operations have also been commenced in the old Bothwell field in the townships of Zone Orford and Aldborough. A new field began to be exploited on Pelee island in Lake Erie a year ago, by a syndicate now organized as the Pelee Gas and Oil Company. The first well was bored on the northeast corner of the island to a depth of 938 feet, when salt water was struck. The site for a second well was selected on the Dyke road near the western side of the island, where in October a small flow of oil was reached at 833 feet. A third well was started in November a mile and a half south of the second, and on the 7th inst., at a depth of 750 feet, oil was struck which spurted out of the bore hole to the top of the derrick, a height of 35 feet, but the capacity of it is not yet known. A strong flow of gas accompanies the oil.

On the fourth concession of Euphemia, four miles northeast of Shetland village, about thirty wells have been drilled. Most of these were completed ten years ago, and one on John Fimby's farm yielded 20 to 30 barrels per day for a year; it is now closed, having been flooded by water. On Richard Dobbyn's farm a well yielded 100 barrels per day for a few days only; Mr. Dobbyn was offered $20,000 for it, which he refused. The present average yield of six producing wells in the locality is only one-half barrel per day. Two wells drilled in 1894 yielded for a short time 20 to 30 barrels per day. Five new wells were in course of being sunk in November last.

Dresden Times Sept 9th 1886 --- the success attending the Dobbin well in Euphemia yielding 100 bbls/day is spurring hundreds people on to a "mine of wealth"

Dresden Times Nov 11th 1886 Florence

SHETLAND Another first class oil well was struck on the W½ E½ lot 24 Con IV farm of John Fimby, Shetland. last week

Dresden Times Feby 10th 1887 Florence

lot 18 Con XIV DOWN A company has been formed to sink a well on the farm of Arthur Babier adjoining the village. work will begin in a few days.

Dresden Times Apr 21st 1887 Florence

the company well proved a failure. Sunk to 470 ft. then a talk of drilling another

Elmira Transcript Sept 15th 1881

Wm Chas Gadsby (51) and his son (18) were killed in a blast of gas in a well they were digging 3 miles south of Shetland in Euphemia. The well was bricked to 25 feet they had dug about 27 feet when the father called for a bucket. The bucket rope and windlass were blown out by the rush of gas which made a terrific noise and threw sand and gravel high in the air. The well could not be reached for 3 hours. The bodies and clothes were burned and had been blown up and down in the well during this time.

Elmira Transcript April 29th 1886

"An oil well on the Dobbs farm in Euphemia is said to produce three barrels a day. Other wells will be sunk during the coming summer and arrangements made to pump by steam."

Elmira Transcript Aug 5th 1886

The oil well recently put down on the Dobbs farm Euphemia is pumping 2 for 5 bbls an hour. The depth is 270 feet.

Elmira Transcript Aug 19th 1886

"During the last few months several paying oil wells have been struck near a point called Smiths Falls on the Sydenham River in the Township of Euphemia on the farm of Rich Dobbs Jr one was struck which has created no little excitement in this vicinity. The well has continued without abatement to pump at the rate of one hundred barrels per day, pumping only interrupted for want of storage. The only drawback at present is the want of railway facilities to remove the oil to the refineries."

EUPHEMIA

Elmvale Examiner Sept 9th 1886

"Several carloads of Euphemia oil alone shipped from here every week to Hamilton last week"

"Another big well has been struck in Euphemia at a depth of 1149 feet which it is estimated will pump from 5 to 10 bbls per hour"

Elmvale Examiner Sept 30th 1886

The oil business in Euphemia is making good progress 4 rigs are at work and about 20 wells have been put down within only one day. Messrs Gillespie Bennett & Co have the jerking rig in operation which will pump the wells simultaneously. If worked to their full capacity the combined yield of these wells is estimated at 500 bbls per day. ---- lands are being sold at $200 to $300 per acre."

Elmvale Examiner Nov 4th 1886

NEWBURY "The oil well on John Armstrongs farm has been sunk to a depth of 1125 feet. Oil was found but owing to the great quantity of salt water which flowed with it, it was not thought advisable to operate any further. A new well was commenced on Mr Rahmens place yesterday"

"Another big well has been struck on Mrs Jenkys place W½E½ lot 24 Con IV Euphemia a mile south of the first find. Five rigs are at work"

Elmvale Examiner Nov 18th 1886

"The Cheltenham Valley Oil Co of Euphemia has elected the following officers Pres. W.J. McIntyre V.P. W.A. Simpson Secty C.M. Brookfield Treas. Lawrence Smith. Directors are the foregoing and Wm. Currie and David R. Hunter.

do Nov 25th NEWBURY "Work on the new oil well is progressing very slowly as the drill has encountered a boulder ---"

Do Dec 2nd Will shut down waiting for down pipe

Do Dec 9th "Work is being pushed night and day at the oil well. A depth of 380 ft has been reached when a large quantity of salt water was found. Keeping has shut it off. Mr Wood expects to have the well completed in a day or so"

EUPHEMIA

Glencoe Transcript Dec 9th 1886 contd

"Mr Brennan of Alvinston has been successful in finding oil on the farm of H.A. Fenby at 367 feet"

Do Dec 23rd 86 NEWBURY

The last oil well has been finished ---- (it is) a failure, nothing but salt water" ---"

Do Dec 23rd 1886

"The oil excitement in Euphemia township is sobering down a little. All wells east and south of the Sydenham Rive have proved dry ones. Mr Sylvester Dobkin on the west side of the river has two wells -- 3 bbls a day. He proposes putting down another ---"

Glencoe Transcript Jany 20th 1887 NEWBURY

At a meeting of the Board of Management of the Oil Well Co -- it was found necessary to tax each share to the amount of $2 to meet all liabilities. There was some talk of forming a new Company and putting down the last well 100 ft deeper

Glencoe Transcript May 5th 1887

"The Company oil well at Florence has proved a failure though sunk to a depth of 470 feet. There is some talk of putting another down"

Brunell page 66Q

In later years some 40 wells have been sunk in this township and small quantities of oil shipped. The field is small and the largest flow from one individual well (the Wilson & Bennett) has been one bbl/day. (Wilson & Bennett & Parsons well see logs)

EUPHEMIA

Chatham Weekly Planet Dec 11th 1893

Mr Moore of Bothwell is boring for gas with very encouraging indications. Location appears to be in the slate deposit some six miles west of Bothwell in Euphemia (Shetland)

Glencoe Transcript Sept 6th 1894

"It is reported that a strong syndicate is about to resume drilling operations in the oil fields of Euphemia Twp"

do Jany 27th 95

Glencoe Transcript Sept 19th 1895

"Several wells will be put down for oil near Morsides Euphemia twp this fall."

Do Oct 31st 95

"The neighbourhood of Shetland, Euphemia Twp is believed to be rich in oil and several wells will be put down next spring"

Do Dec 5th 95

"Considerable excitement has been created by the striking of oil on the farm of Nathan Moorehouse at Smiths Falls." W½ lot 25 Con V

Do Feb 13th 1896

The last well put down in Euphemia on Rob Moners place ? held Purdy farm was a dry hole. The next will be put down on the farm of L Smith

---

1897

Glencoe Transcript Jany 28th 1897

The Bathwell excitement has caused several new wells to be drilled at Fenbys and the flow of oil is good.

Do Feby 18th 97 On Thursday of last week a good oil well was struck on H A Fenbys farm

Do Apr 8th 97 Another good well has come in on John Fenbys farm.

EUPHEMIA

Thamesville Herald Dec 1st 1896 DANTE

a fine well was struck on Geo Morrisons farm last month. It almost flowed. Much leasing in progress

Thamesville Herald Dec 11th 96

Almost a flowing well was struck on the Geo Morrison farm last week. A number who visited it confirm this

(copied in Zone)

Glencoe Transcript May 28th 96

a number of test oil wells are being put down in the vicinity of Shetland

Glencoe Transcript Mar 4th 97

"The fifth oil well has been sunk on the Escott farm in Euphemia. Where a company formed of Glencoe & Newbury men are interested

Do March 11th 97 and Apr 8th 97

There are 21 good producing wells in Euphemia

Do Apr 15th 97

The Glencoe Oil Co Mr Barratt Mgr is pumping 9 wells in Euphemia with some success

Do June 10th 97 CAIRO

A test well is being put down on the R Burgess farm near this place, it is down several hundred feet and the prospects are believed to be good.

Do July 1st Still drilling on the R Burgess farm no more signs of oil

Do Dec 8th 1898

The Glencoe Oil & Gas Co Cap $20 000. Geo Barratt W J Small A A Small R J Aldred A E Aldred Geo Bray. The company was organized two years ago and has been operating in Euphemia twp with fairly good success

EUPHEMIA

EUPHEMIA

Thamesville Herald Nov 27th 96

Two N.Y. prospectors have leased several farms with intention of putting down several test wells at once. Oil has been found in several villages nearby. A syndicate of a number of our business men has been formed to drill on the Flinby farm (W½ E½ lot 24 Con IV. some property in Con V)
A number of farms in this vicinity are pumping two to three barrels per day. Abe Dabbin intends putting down 15 wells on his farm.

Dresden Times Nov 27th

EUPHEMIA

Glencoe Transcript May 25th 1899

The Glencoe Oil Co are putting down 10 more wells on Euphemia.

Do July 6th 99

"The Glencoe Oil Co has struck another good well. They have let a contract for 10 more wells"

Do Aug 31st 99

Two of the ten wells Glencoe Oil Co Euphemia they have been put down and prove to be a paying investment

Do Nov 16th 99

The Glencoe Oil Co has ~~struck~~ a 10 bbl well

Euphemia

Glencoe Transcript Jany 24th 03

"The Glencoe Co to propose putting down 30 additional wells in Euphemia ---- the company had done a good business for the past five years and have now 26 wells in operation with production about 150 bbls per month."

ANNUAL STATEMENT Feb 5th 1903 Glencoe Transcript

Own 26 wells in SE¼ lot 24 Con V Euphemia also 400 acres in Lambton adjoining. Present output 150 bbls/month

Year ending Dec 31st 02. Sales of oil 2267

W J Small Secty Other wells 1466

Glencoe Transcript June 20th 1907

The oil fields in Euphemia that were at one time owned and operated by the Glencoe Co are to be tested to a depth of 3000 ft by an American Co

EUPHEMIA
1906

Cairo
Glencoe Transcript Nov 22/06
Drilling operations are soon to begin near Cairo a Company from New York having ~~taken~~ lands under lease to put down wells for oil & gas."

EUPHEMIA
SHETLAND

G.S.C. Summy Rep^t 1918 Pt E. p 35.

The Shetland Field

"A field of some importance occupies parts of lots 26, 27 and 28 of Con. IV Euphemia Twp. The field has produced a considerable amount of oil and is still pumping.

A unique feature of the field is that the anticline on which it is located is clearly visible in the bed of the Sydenham River at the north end of the field, where the Upper Hawk limestone is exposed. The field pitches to the north and the production of oil is almost entirely confined to the area south of the river ("In its prime it produced 500 bbls oil per month" Stauffer)

No descriptive logs of the field are available but it is stated that the production is from an oil stratum about 100 ft. below the top of the Delaware limestone"

mean sea-level. Although the structure seemed favourable, as indicated by the rise in the formation toward No. 3, the results obtained from this well were such as to discourage further drilling in the vicinity. It is now clear that the high elevations reported for the Corniferous on lots 2 and 5, concession II, were due to the drillers mistaking the "middle" lime for the "lower" lime.

GAS FROM THE SALINA FORMATION IN EUPHEMIA TOWNSHIP, LAMBTON COUNTY. G.S.C. Summy Rept 1919. M.Y. Williams. page 9

During the autumn of 1918 and the summer of 1919, the Castle Oil Company prospected the area south of the shallow oil field at Smiths Falls, Lambton county. Drilling was carried on there a few years ago, and a good gas well was struck on the east end of lot 26, concession IV. The production was estimated at about 250,000 cubic feet of gas per day of 24 hours, and the well has been supplying the village of Shetland and the neighbouring farms with gas for more than three years. The first well drilled by the Castle Company is situated on the Palmer farm, on the east end of lot 25, concession IV, and was completed and closed in on March 1, 1919. Gas was struck at 1,585 to 1,590 feet from the surface and a little oil was struck at 1,690 feet. This well is said to promise a fair production of gas. In No. 2 well on the Moorhouse farm near the middle of the west half of lot 25, concession V, oil and gas were struck at 1,605 to 1,611 feet, and, after shooting, the well was reported to have an open flow of about 1,000,000 cubic feet of gas, the closed pressure being about 750 pounds per square inch. In well No. 3, situated on the Tanner farm in the northwest corner of the east half of lot 24, concession V, the drill penetrated 15 feet of black shale; and on the assumption that the shale indicated unfavourable structure the well was abandoned.

It may be pointed out that only by a purely fortuitous circumstance has the presence of the black Huron shale over the Hamilton formation indicated low and consequently unfavourable structure for oil and gas. The great formations of the region lie for the most part in parallel arrangement, and as the erosion accomplished by the glaciers reduced the rock surface to the semblance of a plain, it followed that the highest formation (in this case the Huron shale) would be preserved in the structural depressions. It has so happened that in the shallow oil fields (those in which the oil occurs in the Corniferous formation) the edge of the black shale areas is the approximate limit of the oil fields. That this is not true in every case is shown in the eastern part of the Petrolia field, where oil occurs beneath the black shale. In testing the Salina and lower formations, the presence of black shale should not be relied upon entirely for the structure of the oil or gas horizons, for the deeper formations may depart to a considerable degree from parallelism with the upper strata.

In well No. 4, on the Leng farm, in the southwest corner of the east half of lot 27, concession V, about one foot of black shale was penetrated by the drill; but the well was completed and is reported by the company to have an open flow of approximately 350,000 cubic feet of gas per day, the rock pressure being 580 pounds per square inch. Two additional wells are reported to be in progress, one on the Smith farm in the northeast quarter of lot 26, concession IV, and one on the Tully farm in the southwest corner of the northwest quarter of lot 27, concession V. The anticline on which the shallow oil field is situated, pitchee to the north, and deep drilling at a previous date found no oil or gas in the Salina to the north of Sydenham river. The Moorhouse well, above described, is the best well in the field, the available information thus indicating the probable location of the extension of the oil pool to the south rather than to the north. Reducing the reported occurrences of oil and gas to sea-level, the gas horizon in the original well supplying Shetland is 1,034 feet below sea-level; the horizon in No. 1 well of the Castle Oil Company is 932 feet below sea-level, the lower oil horizon being 1,033 feet below; in No. 2 well the gas horizon is 945 feet below

a-level. This would suggest that there may be a still higher structure in the as horizon on lot 24, concession IV.

DUTTON OIL FIELD.

The so-called Dutton oil field is situated on lots 13, 14, and 15, con. 10, Dunwich tp., Elgin co. This field was opened in 1898, produced its maximum amount, 19,376 barrels, in 1906 and has now dropped to a small but relatively constant production, that for 1919 being 1,272 barrels.

The oil is obtained from the Onondaga limestone, the average depth in i being about 168 feet. The following log is of a well drilled by the Elgin Field Oil and Gas Company[1], near the centre of the field on lot 13, con. X, Dunwich tp., Elgin co.

	Thickness. Feet.	Depth. Feet.
Surface	200	200
Shale	7	207
Blue clay shale	25	232
Corniferous (Onondaga and Delaware)	170	402

Oil at 392 feet.

With the data at hand, it is possible to draw the boundaries of the field as shown by the drilling and it is of interest to note that the oil accumulation, although it includes the apex of the dome, occupies a position for the most part on the west side of the fold. Drilling on the east side did not prove successful.

An abandoned deep well on lot 15, concession XI, contains considerable oil, and during the summer of 1919, the Beaver Oil and Gas Company drilled a well on the adjoining lot to the west. This well is reported by the superintendent to have struck oil at 440 feet from the surface, or 168 feet in the Corniferous. The initial production was two barrels per day, but it has now (March 1919) fallen to about one-half barrel. The well has not been shot and no additional drilling has been done. The structure at this locality appears to be very similar to that of the field to the north, and there is a sufficient amount of unexplored land to permit of the opening of a small field.

The Dutton field is not troubled with much water, and the operating costs are consequently light.

ROMNEY SHALLOW FIELD.

The Romney oil field was situated in the north-central part of Romney township, on lots 21 and 24, concessions IV and V. The main activity appears to have been along the road separating the concessions. This field was opened in 1906, produced 11,165 barrels in 1908, 1,082 barrels in 1909, and was abandoned in 1910. Today a few abandoned wells mark the location.

The oil which was heavy and "dead" was obtained from the Corniferous limestone at an horizon about 30 feet below its top, which is there about 170 feet below the surface. The field was clearly a "top show" field, that is a field which contains its oil in rock crevices rather than in porous rock. Such a field yields its oil readily, but rarely lasts long. It is reported that the field was carelessly drilled and that the consequent water troubles shortened its life and curtailed the production of oil. There is not sufficient information regardi this field to make it possible to construct an accurate structural map.

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[1] Ont. Bur. of Mines, vol. XIV, pt. I, p. 108.

Euphemia Township. A west-trending, irregular-shaped anticline occupies most of the north half of Euphemia township and extends eastward into Mosa township a distance of about 3 miles. It is about 10 miles long and 2 to 3 miles wide. Dips on the flanks average between 15 and 20 feet a mile and show a reversal on the north within 4 miles of the crest.

At the west end of the structure and occupying lots 24 to 28, con. 4, is a small dome with approximately 40 feet of closure. Dips here are steeper than on the main structure, averaging 35 to 40 feet a mile. The old Shetland oil field was located on the north part of this dome, occupying lots 26, 27, and 28, con. 4, Euphemia tp.[1] By 1896, about thirty wells had been drilled in this field: most of these had apparently been completed 10 years previously. In 1896 the average yield of six producing wells was $\frac{1}{5}$ barrel a day, although some yielded 20 to 30 barrels a day for a short time.[2] The exact location of most of these early wells is not known. In 1939, two wells were drilled within the area of the old field: one was dry and the other obtained small production from about 85 feet below the top of the Norfolk formation.

Coley

In 1932 several wells were drilled on lots 27 and 28, cons. 8 and 9. These are apparently on a "high" on the Norfolk formation, but only one well is reported to have produced oil.

A low, elongated dome with between 20 and 40 feet of closure occupies lots 18 to 20, cons. 7 and 8. Several shallow wells are located on the flanks of this structure, but apparently all were dry. Small shows of oil high in the Norfolk formation were reported.

Total production from Euphemia township in 1939 was 385 barrels. The following log shows the stratigraphy in this township.

UNION GAS Co wells 32 to 39 inclusive are old Castle wells and they have no logs

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Euphemia Tp. lot 20. Con X. N. side lot. 500' W of C.P.R crossing.
drilled by Vogle & Co.
468' deep.

Euphemia Tp. lot 20 Con IX N.W. cor.
Dry hole 1800' deep.

Our Bur mines 1895. p. 5

In the twp of Euphemia 4 miles NE of Shetland 30 wells were drilled. One well on the John Findlay farm produced 20-30 bbls a day for when it flooded. One well on Rich. Dobbin prod. 100 bbl/day for several days. At present 6 prod wells yield ½ bbl day Five wells were drilled last November Three wells drilled in 1894 yielded 20-30 bbls day for a short Time.

M. Y. Williams Survey Rept 1919 H. E p. 9E.

During 1918 and 1919 the Castle Oil Co prospected the area near Smiths Falls near the village of Shetland.

A good gas well was struck on the east end of lot 26 Con IV 250 Mcuft which supplied Shetland for 3 years (1916-1919?). Gas horizon 1034 below sea level.

Castle No. 1. is on Palmer farm east end lot 25 Con IV Comp. March 1. 1919. Gas was struck at 1585 to 1590. a 932 Below Sea level and a little oil at 1690.

Castle No. 2 on Moorehouse farm middle west half 25 Con V. Oil & Gas were struck at 1605-1611 945 feet below Sea level. After shot well reported as 1. M2. with R.P. 750#

Castle #3. on Tanner farm N.W. cor E½ 24 Con V. well abaud on account of hitting 15' black shale

Castle #4 on Leng farm SW cor. E½ lot 27 Con V. (one foot of black shale) O.F. 350 M R.P. 780#.

Two others drilling (1919) one on Smith farm N.E. 26. IV. and the other on Tully farm S.W. cor N.W. ¼. lot 27 Con V.

Shallow oil field in Euphemia

Location lots 26, 27, 28 Con IV Euphemia

Production from 100 feet in Onondaga

Out Bur Mines 1895 page 25.

On IV Con Euphemia 4 miles N.W. of Shetland 30 wells have been drilled. Most of these completed 10 years ago. On John Fenby farm gave 20 to 30 bbls per day for a year. On Rich Dabkin farm 100 bbls per day for few days only. Present (1895) yield of six producing wells in this field is on half barrel per day. In 1894 two wells produced 20 to 30 bbls per day. Five new wells were being sunk in Nov. 1894

Geo Surv Can Vol XI 1898 p. 137 S.

EUPHEMIA. This So far the proved area is but small, being confined to lots 26 and 27 in Con IV. The prod is about 400 bbls monthly. This is partly teamed to Bothwell .... and partly to the Tankin Co Stat at Oakdale.

Royal Soc. Canada Vol. V 1887 p 112 Dr Robt Bell

Euphemia first well in July 1st 1886 up to Nov. 1st 1886 nearly 20 wells had been sunk but only 4 were in operation in Nov. About 1000 bbls of oil had been produced Is upper show at 255 ft deep.

EUPHEMIA

ONT. BUR. MINES 1914 Chem Analy Nat Gas

A well is being drilled on E 1/2 lot 26 Con IV Euphemia depth 1700 ft. Gas came in at 1600 ft not measured

Chatham Planet Apr 15th 1914

S.H. Curry has completed a gas well in Euphemia in the Lew Smith farm for the Producers Fuel & Light Co. Castle O & G Co. Between 150-200 mcuft was struck at 1650 to 1680. The flow should increase with tomorrows drilling. Is owned by Oil Springs Sarnia & Wallaceburg men

Chatham Planet May 22nd 1914

Following the Producers F & G well at Shetland F.L. Survey of Dunnville has contracted with Thos Donald to drill two wells beginning June 1st

Producers Fuel & Gas Co at Shetland has extended the search for oil & gas at the 1600-2000 ft level, all over Lambton County

The boom had a slight set back today when the Webster well of the Union N G Co was abandoned at 2120 with no show. The Oil Springs pay was found 125 ft lower. The well was 1 1/2 miles west of the Fairbank well. The Union Co has drilled a couple of wells to 1850 with no results. Just over the fence from the Fairbank well the Oil Springs O & G Co is drilling at 1175 ft. It is rumored that the pressure is falling off in the Fairbank well.

← Enniskillen

Glencoe Transcript Feby 26th 1914

"The O S Co which has obtained leases... near Shetland - Euphemia has let a contract to drill a well 3000 ft or more for O & G."

Do Apr 2nd 1914

The drillers are down 1200 ft and figure that they will reach 3000 ft by the middle of April. Three companies are leasing. Owners are making preparations to deepen old oil wells

Do Apr 16th 1914

"Gas has been struck on the Moorehouse property at Shetland. flow is not yet known"

EUPHEMIA

Glencoe Transcript Feb 14th 1918

The Shetland Gas Co is supplying hot Gas to the Village of Shetland.

Glencoe Transcript Sept 26th 1918

The Castle A & G Co brot in their 7th well on Duncan Gillies farm a large producer. They have moved to the SE cor Thos Quick farm adjoining to Gillies GLENCOE?

Do Oct 31st 1918

" — We have a great gas well at Shetland ~~[illegible]~~ — and now the oil boom is on — Casing is on the ground on A.G. Palmers farm for the next well. The Southern G & O Co have leased a R of W.

Elevation of wells in Euphemia Castle Oil & Gas

Smith	#2 ✓	lot 26	Con IV	659.8 derrick
Farmer	#1	"	"	663.4
Smith	#4 ✓ oil	27	IV	661.4 659.4
	#1 ✓ oil	26	IV	662 660.5
Moorehouse	#1 ✓	25	IV	660.9
	#2 ✓ gas	25	IV	660.7

Castle Oil and Gas Company, Limited

Munroe No. 1, lot 27 con. IV EUPHEMIA tp.

Well located 2000' north and 1200' west of Smith No. 1

Elevation 642.0

Driller T.J. McCutcheon, Dunnville, Ontario.
Commenced March 24, 1920
Completed July 9th, 1920

Surface	24	24
Black shale		
Top rock	2	26
Top soap	169	195
Middle lime	15	210
Lower soap	45	255
Lower lime	621	876
Gypsum	3	879
Limestone	376	1255
Salt	183	1438
Limestone & shales	128	1566
Gas sand	6	1572
Limestone	108	1680
Oil sand		
Limestone		

TOTAL DEPTH 1680

1st gas at 1566' Flow 15,000 cubic feet.

This well was purchased by the Union Gas Company in 1929, but is now abandoned.

CASING RECORD

10" Drive
8¼" Drive
8" Drive
6 5/8" Casing
6¼" Casing
5 5/8" Casing
3" Tubing
¾" Syphon

WATER RECORD

Kind	Depth

WELL	TOWNSHIP	LOT	CONC.	SURF. ELEV.	TOTAL DEPTH	HURON			HAMILTON			DUNDEE EQUIV.			DETROIT RIVER			BASS ISLAND			SALINA			GUELP
						Top	Base	Thick.	Top	Base	Thick.	Top	Base	Thick.	Top	Base	Thick.	Top	Base	Thick.	TOTAL SALINA Top	Base	Thick.	Top
Faucher #1	Euphemia	16	VI	655	1680				+492	+412	80	+412	+286	126	+286	-138	424	-138	-240	102	~240	-974	734	-974
Euphemia 29-8	Euphemia	29	8	678	450				+613	+390	223	+390	+274	116	+274									
Gibson #1	"	34	3	670	562	+623	+547	76	+547	+310	237	+310	+210	100	+210									
Cairo #1	"	24	4	653	455	+602	+573	29	+573	+323	250	+323	+227	96	+227									
Dante #1	"	17	6	680	465				+542	+391	151	+391	+259	132	+259									
2	"	17	5	654	345				+520	+429	91	+429												
3	"	17	5	648	366				+504	+426	78	+426	+300	126	+300									
4	"	16	5	652	354				+522	+432	90	+432												
5	"	16	5	651	351				+551	+436	115	+436	+306	130	+306									
6	"	16	6	655	370				+525	+435	90	+435	+288	147	+288									
6A	"	16	6	655	365				+525	+435	90	+435	+308	127	+308									
7	"	16	5	651	365				+546	+405	141	+405												
8	"	16	5	649	335				+471	+432	39	+432	+320	112	+320									
9	"	17	5	650	340				+532	+432	100	+432	+317	115	+317									
E Dante 1	"	18	7	654	393				+581	+394	187	+394	+261	133	+261									
2	"	16	7	652	445				+585	+395	190	+395	+284	111	+284									

Castle Oil and Gas Company, Limited

Smith No. 1, lot 26, con. IV, EUPHEMIA tp.

Well located 625' west of the east line and 375' north of the south line.

Elevation ~~636~~ 660

Driller
Commenced March 4, 1914
Completed June 4, 1914

Surface	30	30
Black shale		
Top rock		
Top soap		
Middle lime		
Lower soap		
Lower lime		
Gypsum		
Limestone		
Salt	100	1300
Limestone & shales		
Gas sand		
Limestone		
Oil sand		
Limestone		1690

Total depth - 1690'
Plugged at - 1660'

1st gas 1560) Inital Gas Yield - 325,000 cu.ft.
2nd gas 1567
Ist oil at 1567-72 ROCK PRESSURE 575#
2nd oil at 1675-90

This well was purchased by Union Company in 1929, but it is now abandoned.

CASING RECORD

30' of 10" Drive
250' of 8¼" Drive
8" Drive
6 5/8" Casing
910I of 6¼" Casing
5 5/8" Casing
1660' of 2" Tubing
1660' of 3/4" Syphon

WATER RECORD

Kind	Depth
	380'
	1687-90

Castle Oil and Gas Company, Limited

Leng No. 1, lot 27 con. V EUPHEMIA tp.

Well located 3000' east and 1700' north of Smith No. 1.

Elevation 660.8

Driller T.J. McCutcheon, Dunnville, Ontario.
Commenced July 18, 1919.
October 17, 1919.

Surface	65	65
Black shale	1	66
Top rock	29	95
Top soap	145	240
Middle lime	1	241
Lower soap	59	300
Lower lime	604	904
Gypsum	6	910
Limestone	345	1255
Salt	187	1442
Limestone & shales	136	1578
Gas sand	7	1585
Limestone	91	1676
Oil sand	24	1700
Total depth	1700	

1st gas at 1578 to 1585 70,000 cubic feet
After shot 400,000 cubic feet
ROCK PRESSURE 790#

This well was purchased by the Union Company in 1929, but it is now privately owned and has an open flow of approx. 20 M cu.ft. per day.

CASING RECORD

10" Drive
8¼" Drive
8" Drive
6 5/8" Casing
6 1/4" Casing
5 5/8" Casing
3" Tubing
¾" Syphon

WATER RECORD

Kind	Depth

Castle Oil and Gas Company Limited #1.

Palmer No. 1, East end lot 25 con. IV EUPHEMIA tp.

Well located 1000' south and 250' east of Smith No. 1

Elevation 657.2

Driller D. Barr
Commenced November 25, 1918
Completed March 1, 1919

Surface	55	55
Black shale		
Top rock	35	90
Top soap	142	232
Middle lime	15	247
Lower soap	28	275
Lower lime	612	887
Gypsum	1	888
Limestone	367	1255
Salt	200	1455
Limestone & shales	130	1585
Gas sand	7	1592
Limestone	93	1685
Oil sand	6	1691
Limestone	21	1712
Total depth	1712	

1st gas at 1585' Flow 75,000 cubic feet.
1st oil at 1685' ROCK PRESSURE 570#

This well was purchased by the Union Company in 1929, but is now abandoned

CASING RECORD

55' of 10" Drive
285' of 8¼" Drive
8" Drive
892' of 6 5/8" Casing : 5 5/8" Casing
1680' of 3" Tubing
1680' of ¾" Syphon

WATER RECORD

Kind	Depth
	395'
	1712'

Castle Oil and Gas Company, Limited

Moorehouse No. 1, lot 25 con. IV EUPHEMIA tp.

Well located 1350' east of Palmer No. 1.

Elevation 659.8 660 ?

Driller D. Barr.
Commenced April 2nd, 1919
Completed June 25th, 1919

Surface	66	66
Black shale		
Top rock	18	84
Top soap	139	223
Middle lime	16	239
Lower soap	31	270
Lower lime	615	885
Gypsum	3	888
Limestone	382	1270
Salt	210	1480
Limestone & shales	110	1590
Gas sand	7	1597
Limestone	5	1602
Oil sand	1	1603
Limestone	9	1612
Total depth	1612	

1st gas at 1594 to 1600 Flow 1,000,000 cubic feet.
1st oil at 1602 to 1603

This well was purchased by the Union Company in 1929, but it is now owned by S.C. Annett and is still in use.

CASING RECORD

65'10" of 10" Drive
8¼" Drive
304' of 8" Drive
6 5/8" Casing
865' of 6¼" Casing
5 5/8" Casing
1612' of 3" Tubing
1612' of 3/4" Syphon

WATER RECORD

Kind	Depth
	397'

Castle Oil and Gas Company, Limited

Tanner No. 1, lot 24 N.W. Cor E. 1/2. con. V EUPHEMIA tp.

Well located 1500' south and 2200' east of Moorehouse No. 1.

Elevation 659.5

Driller - D. Barr
Commenced
Completed

Surface	60	60
Black shale	15	75
Top rock		
Top soap	210	285
Middle lime	30	315
Lower soap	23	338
Lower lime		
Gypsum		
Limestone		
Salt		
Limes & shales		
Gas sand		
Limestone		
Oil sand		
Limestone		

Total depth 555'
Abandoned by contractor at 555'

This well was purchased by the Union Company in 1929, but is is now abandoned.

CASING RECORD

10" Drive
8¼" Drive
8" Drive
6 5/8" Casing
6¼" Casing
5 5/8" Casing
3" Tubing
3¼" Tubing

WATER RECORD

Kind	Depth

Castle Oil and Gas Company, Limited

Tully No. 1, lot 27 S.W.Cr. N.W.¼ con. V EUPHEMIA tp.

Well located 900' east and 2800' north of Smith #1

Elevation 662.2

Driller - D. Barr
Commenced October 21, 1919
Completed July 7, 1920

Surface	54	54
Black shale		
Top rock	40	94
Top soap	133	227
Middle lime	3	230
Lower soap	35	265
Lower lime	625	890
Gypsum	5	895
Limestone	360	1255
Salt	200	1455
Limestone & shales	129	1584
Gas sand	9	1593
Limestone	5	1598
Oil sand		
Limestone		

Drilled to 1598'

Ist gas at 1585' Flow 20,000 cubic feet.
2nd oil at 365' Well shot with 45 qts. Nitro-Glyc

This well purchased by Union Gas Company in 1929, but it is now abandoned.

CASING RECORD

10" Drive
8¼" Drive
8" Drive
6 5/8" Casing
6¼" Casing
5 5/8" Casing
3" Tubing
¾" Tubing

WATER RECORD

Kind	Depth

Castle Oil and Gas Company, Limited

Smith No. 2, lot NE¼ 26 con. IV EUPHEMIA tp.

Well located 760' north and 40' east of Smith #1

Elevation 661.7 6598

Driller - T.J. McCutcheon, Dunnville, Ontario.
Commenced October 24, 1919
Completed March 17, 1920.

Comp March 17th/20 UNION GAS Co #37 or 38 lot 26 Con IV

Surface	Surface 51 51	50	50
Black shale	Soap 215 266		
Top rock	Lime 984 1240	12	62
Top soap	Lime 272 1512	170	232
Middle lime	Total depth 1702	8	240
Lower soap		25	265
Lower lime		632	897
Gypsum		3	900
Limestone		355	1255
Salt		200	1455
Limestone & shales		127	1582
Gas sand		3	1585
Limestone		100	1684
Oil sand		3	1687
Limestone		17	1704
	Total depth	1704	

First gas at — Flow 10,000 cubic feet
Second gas at 1582' — Flow 245,000 cubic feet.
Ist oil at 365'
2nd oil at 1685'

ROCK PRESSURE 575#

This well purchased by the Union Company in 1929, but it is now abandoned.

CASING RECORD

50'6" of 10" Drive
8¼" Drive
275'3" of 8" Drive
6¼" Casing
900'5" of 5 5/8" Casing
3" Tubing-1672' of,
1672' of 3/4" Syphon

WATER RECORD

Kind	Depth
	400'
	1704'

Well plugged at 1672'

Castle Oil and Gas Company, Limited

Moorehouse No. 2, lot 25 centre W½ con. IV ? Eupehmia township, Lambton County

This may be location of No. 1.

Well located 1100' east of Moorehouse No. 1

Elevation 659.6 660 ±

Driller - T.J. McCutcheon, Dunnville, Ontario.
Commenced October 6, 1920
Completed January 28, 1921

Surface	62	62
Black shale		
Top rock	3	65
Top soap	178	243
Middle lime	15	258
Lower soap	26	284
Lower lime	616	900
Gypsum	3	903
Limestone	353	1256
Salt	189	1445
Limestone shale	140	1585
Gas sand	4	1589
Limestone	5	1594
Oil sand	4	1598
Limestone	14	1612
Total depth	1612	

Gas at 1585 to 1589 Flow 90,000 cubic feet.
Flow after shot 130,000 cubic feet.
ROCK PRESSURE 800#

1st oil .....
2nd oil .....

This well purchased by the Union Company in 1929, but it is now abandoned.

CASING RECORD

62'6" of 10" Drive
8¼" Drive
302' of 8" Drive
6 5/8" of Casing
6¼" of Casing
5 5/8" of 3" Tubing
3/4" Syphon

Castle Oil and Gas Company, Limited,

Munroe No. 2, Lot 27 Concession IV

500' west and 2600' north of Smith No. 2

EUPHEMIA TOWNSHIP, Lambton County.

No log

This well had an original open flow of 20,000 cubic feet per day, which was shot, but not increased. The well was abandoned upon completion.

See also under Lambton County.

Well Records in Ontario—Continued

Localities and formations	Thickness Feet	Depth Feet	Depth at which oil or gas occurred
Essex County—Continued			
Dolomite and some gypsum 740			
Magnesian limestone or dolomite 749			
Dolomite 755			
Magnesian limestone 759			
Magnesian limestone 761			
Grey dolomite 764			
Lambton County			
Euphemia tp. (Geol. Sur. Can., Vol. V, Part II, p. 66Q):			
Surface	53	53	367 Oil
Hamilton			
Shales, etc.	224	277	
Corniferous			
Limestone	93	370	
Another well here gave			
Surface	58	58	
Hamilton			
Shales, etc.	265	323	
Corniferous			
Limestone	37	360	
Euphemia tp. (Fairbanks & Carman) (Ont. Bur. Mines, Vol. XIV, Part I, p. 114):			
Surface			
Clay	48	48	366 Oil
Hamilton			
"Top rock"	50	98	
Soapstone	130	228	
Middle lime	20	248	
Soapstone	18	266	
Corniferous			
Lower lime	120	386	
Dawn tp. (Ont. Bur. Mines, Vol. XIV, Part I, p. 114):			

The Shetland or Smiths Falls Oil Field.

A field of some importance occupies parts of lots 26, 27, and 28, con. IV, Euphemia tp. This field has produced a considerable amount of oil and is still pumping.

A unique feature of the field is that the anticline upon which the oil is located is clearly visible at the ford in Sydenham river at the north end of the field where the Ipperwash limestone is exposed. This fold pitches to the north and the production of oil is almost entirely confined to the area south of the river.

No descriptive logs of this field are available, but it is stated that the production is from an oil stratum about 100 feet below the top of the Delaware limestone.

Shale, black	70	120	
Limestone	70	190	
Shale and limestone	285	475	
Limestone	225	700	
Sombra tp., l. 12, con. VII (Geol. Sur. Can., Vol. V, Part II, p. 67Q):			
Clay 112 feet; black shale 100 feet.			

EUPHEMIA Tp. lot. 23, Con. I #26 Moorehouse
650' from East. 87' from South.
Union Gas Co. Dry Hole Driller. Kiser Bros
Nov. 1st 1928.

		Elev	
Surface		45'	45
Huron	Black shale	20	65
Hamilton	Lime shells	90	155
	Shale & lime	249	404
Onondaga	Grey lime	521	925
	gritty lime	65	990
	Blue lime	85	1075
	Hard grey lime	155	1230
	" blue lime	285	1515
	" brown lime	60	1575
	Blue lime 45' lime & shale 15'	60	1635
	Blue lime 75'	75	1760
	Grey lime 140' blue lime 35'	175	1895
	Grey lime	21	1906
Rochester	blue shale	39	1945
Clinton	lime	6	1951
Cabot Head	Red shale 29' Blue shale 50'	79	2030
Manitoulin	Lime	66	2096
Queenston	Red Shale	10	2106

Salt water 505 small.

Show of Gas - 1640.

Continued

	Thickness Feet	Depth Feet	Depth at which oil or gas occurred
...rt II,			
...tone,"			
...Vol. V,			
.....	54	54	
.....	56	110	
.....	10	120	
.....	8	128	
.....	20	148	
.....	185	333	
Hamilton			
Grey shale and lime	17	350	
Courtright (Geol. Sur. Can., Vol. V, Part II, p. 68Q):			
Surface deposits			
Sand	132	132	
Hardpan	28	160	
Portage			
Shale, black	32	192	
Hamilton			
Limestone	40	232	
Shale and limestone	310	542	
Limestone, white	50	592	
Corniferous			
Limestone, grey	100	692	
Onondaga, including lower part of Corniferous			
Limestone, white hard	370	1,062	
Sandstone or dolomite?	32	1,094	
Limestone	400	1,494	
Limestone and gypsum	136	1,630	
Salt	22	1,652	
Gypsum	13	1,665	
Top of well 588 feet above tide.			
Some gas was met with at the base of the surface deposits.			
Moore tp., l. 3, con. X (Ont. Bur. Mines, Vol. XIV, Part I, p. 112):			
Surface	148	148	445 to 450 Oil 400 Gas
Hamilton			
"Top rock" (upper lime)	45	193	
Shale (upper soapstone)	125	318	
Limestone (middle lime)	15	333	
Shale (lower soapstone)	47	380	
Limestone (lower lime)	111	491	
Moore tp. (drilled by Fairbanks and Carman) (Ont. Bur. Mines, Vol. XIV, Part I, p. 112):			
Surface	143	143	395 Oil 410 ,,
Hamilton			
"Top rock"	48	191	
Soapstone	130	321	
Middle lime	15	336	

obtained small production from about 85 feet below the top of the Norfolk formation.

In 1932 several wells were drilled on lots 27 and 28, cons. 8 and 9. These are apparently on a "high" on the Norfolk formation, but only one well is reported to have produced oil.

A low, elongated dome with between 20 and 40 feet of closure occupies lots 18 to 20, cons. 7 and 8. Several shallow wells are located on the flanks of this structure, but apparently all were dry. Small shows of oil high in the Norfolk formation were reported.

Total production from Euphemia township in 1939 was 385 barrels. The following log shows the stratigraphy in this township.

Log of Union Gas Company Well No. 42

Location: lot 24, con. 5, Euphemia tp. BILTON

Formation	Depth	Thickness	Lithology
	Feet	Feet	
	0–50	50	No samples. Probably glacial drift.
Kettle Point	50–55	5	Shale: black, bituminous; many spores.
Hamilton	55–70	15	Limestone: grey, crystalline; pryite; brachiopod fragments.
	70–95	25	Shale: grey; little grey limestone.
	95–105	10	Limestone: grey, crystalline; little pyrite.
	105–140	35	Shale: grey; traces of grey limestone; little pyrite.
	140–180	40	Limestone: grey, crystalline; little grey shale; crinoid columns; pyrite throughout.
	180–255	75	Shale: grey; traces grey limestone; ostracods; bryozoa; brachiopoda.
	255–260	5	Limestone: grey, crystalline; ostracods.
	260–285	25	Shale: grey; ostracods; bryozoa; pyrite.
	285–295	10	Mixture grey shale and limestone.
Norfolk	295–375	80	Limestone: creamy grey, fine-grained.
	375–390	15	Limestone: cream-coloured, finely crystalline; some rounded sand.
	390–400	10	Sand: rounded, medium-grained.
	400–420	20	Sand; some grey limestone.
	420–460	40	Limestone: buff-grey, crystalline.
	460–610	150	Limestone: brownish grey and brown, fine-grained; black, bituminous films.
	610–710	100	Limestone: brown, finely crystalline; little grey chert throughout.
	710–810	100	Limestone: magnesian, brownish grey, finely crystalline; grey chert throughout.
	810–825	15	Chert: some limestone and rounded sand grains.
	825–850	25	Limestone: magnesian, grey, fine-grained; much grey chert.
Bertie-Akron	850–880	30	Limestone: magnesian, brownish grey, fine grained.
	880–920	40	Limestone: magnesian, brownish grey, fine to dense; some black, bituminous films.
Salina	920–930	10	Dolomite: brown, dense; little gypsum.
	930–935	5	Shale: grey to greenish; little gypsum.
	935–970	35	Shale: limy, grey; little brown dolomite.
	970–980	10	Dolomite: brownish grey, dense; much gypsum.
	980–1,070	90	Shale: limy, dark grey and greenish; little gypsum throughout.

Log of Union Gas Company Well No. 42—Concluded

Formation	Depth	Thickness	Lithology
	Feet	Feet	
Salina	1,070–1,120	50	Dolomite: brownish grey, dense; little grey shale at 1,090 feet; traces of gypsum.
	1,120–1,140	20	Shale: limy, dark greenish grey; little brown, dense dolomite; trace of gypsum.
	1,140–1,210	70	Dolomite: brownish grey, dense; little grey, limy shale 1,190 to 1,210 feet; trace gypsum.
	1,210–1,250	40	Shale: limy, grey; trace of gypsum.
	1,250–1,300	50	Dolomite: brownish grey, dense; little gypsum; some grey shale at 1,270 feet.
	1,300–1,435	135	Salt.
	1,435–1,440	5	Dolomite: brownish grey, dense.
	1,440–1,455	15	Salt.
	1,455–,7051	250	Dolomite: brown and brownish grey, dense; some dark grey, limy shale at 1,570 feet; traces gypsum at 1,480, 1,580, and 1,700 to 1,705 feet.
	1,705–1,730	25	Gypsum: little brown dolomite throughout.
	1,730–1,760	30	Dolomite: brownish grey, dense; trace gypsum.
Guelph-Lockport	1,760–1,790	30	Dolomite: grey, dense.
	1,790–1,840	50	Dolomite: grey, crystalline.
Rochester	1,840–1,880	40	Shale: grey; little pyrite at 1,845 feet.
Medina	1,880–1,895	15	Shale: red; some green shale and traces of grey limestone.
	1,895–1,900	5	Shale: green, grey, and red.
	1,900–1,910	10	Shale: grey and green; little grey sandstone and red shale.
	1,910–1,940	30	Shale: greenish grey; traces of red shale and grey and reddish limestone.
	1,940–1,970	30	Shale: grey; traces grey limestone.
	1,970–2,010	40	Dolomite: grey, crystalline; much greenish grey shale throughout.
	2,010–2,030	20	Shaly limestone: grey.
Queenston	2,030–2,046	16	Shale: red; little green shale.

Middlesex County

Mosa Township. A northwest-trending anticline or elongated dome occupies lots 3 to 10, cons. 3 to 7, Mosa tp. It is about 4 miles long and 2 miles wide, with a maximum closure of approximately 80 feet. Dips average about 60 feet a mile, but are somewhat steeper at the northwest end of the structure. Two very small domes are located on the crest in concessions 5 and 6.

The Mosa oil field occupies the northern two-thirds of this structure. This field was reopened in 1917 after having been partly drilled and abandoned many years before[1]. Its limits are fairly well defined by dry wells as indicated on the structure diagram. Wells are shallow, between 300 and 400 feet deep. According to Williams[2], most of the production in the older wells is from the upper 20 feet of the Delaware limestone (Norfolk formation), although a few wells yielded from the "middle lime" of the Hamilton formation. During the years 1937 to 1940, at least thirty-five

[1]Harkness, R. B.: Ont. Bur. Mines, 37 Ann. Rept., pt. 5, 1928, p. 58.
[2]Williams, M. Y.: Geol. Surv., Canada, Sum. Rept. 1918, pt. E, p. 37.

NW¼

EUPHEMIA Tp. lot. 24. Con. V #44 Bilton

Union Gas Co { 50' from North. 2100' " West. } Kiser Driller

Nov. 28th 1929 Dry Hole Elev. _____

Surface			
Huron	Black Shale	57	57
Hamilton	Soap & lime	13	70
Onondaga	Grey lime	250	320
& Detroit River	sharp from 420 to 470 Grey & brown lime	255	575
	Sharp grey & brown lime	95	670
	Brown limestone	235	905
	Blue & brown lime & gypsum	40	945
	Blue & brown lime	155	1100
	" - grey "	165	1265
	" " brown "	40	1305
	Salt	50	1355
	Hard brown lime	105	1460
	Grey & blue lime	75	1535
	Dark brown lime	80	1615
	Blue lime	60	1675
	Grey & blue lime	25	1700
	Grey lime	80	1780
Rochester	Blue shale	65	1845
		7	1852

Salt water 370' holefull

" " 1830 4 gal/hr.

Show of oil at 1582.

600' from South. 100' from East.

Euphemia Tp. lot. 25 Con. I #32 Powell

Union Gas Co. — Dry hole. — Kiser Driller

June 5th 1929 Elev. _____

Surface			
Huron	Black shale	42	42
Hamilton	Lime shells	68	110
	Soap & lime	35	145
	Grey lime	200	345
	Sharp grey lime	110	455
	Grey lime	20	475
	Brown lime	125	600
	Sharp sand	165	765
	Brown lime	110	875
	Blue lime & gypsum	90	965
	Blue & brown lime	85	1050
	Salt	275	1325
	Brown lime	205	1530
	Blue lime	60	1590
	Grey & brown lime	70	1660
		40	1700

Fresh water 52'

Salt " 455 & 1670-1695

Good show oil @ 595-600

NW¼ NW cor.

EUPHEMIA Tp. lot. 24. Con V. #42 Bilton

Union Gas Co. { O.F. 118 M R.P. 410 # } Kiser Driller.

Oct. 2. 1929 Elev. _____

Surface			
Hamilton	Soap & lime	235	290
Onondaga & Detroit River	Grey lime	85	375
	Sharp grey lime	30	405
	grey & brown "	175	580
	Brown & black "	25	605
	brown & grey "	35	640
	Sharp sand	205	845
	Blue & brown "	55	900
	do do and gyp.	190	1090
	Blue & brown lime	205	1295
	Salt	160	1455
	Hard brown lime	55	1510
	Blue & brown lime	65	1575
	Grey & brown lime	40	1615
	Brown & blue lime	85	1700
	Sharp grey lime	40	1740
	Grey lime	100	1840
Rochester	grey shale	50	1890
Cabot Head	Red shale	30	1920
	Blue & grey shale	80	2000
Manitoulin	lime	10	2010
	Blue & grey shale	25	2035
Queenston	Red shale	11	2046

Fresh water at 55' & 80

Salt " 395-415-1820

Gas at ~~1550~~ 1580-82 - 118 M cu ft

Euphemia Tp. lot 25 Con IV #43 Fenby

107' from South. 1830' from East line.

Union Gas Co. Kiser Driller

Nov. 15th 1929. Dry. Hole. Elev. _____

Surface	clay	55	55
Hamilton	grey lime	25	80
	Soap & lime	182	262
Onondaga & Detroit River	grey lime	98	360
	Sharp do	30	390
	grey & brown lime	250	640
	Sharp do do	170	810
	Blu, brown & grey lime	85	895
	Grey lime & gypsum	140	1035
	Blue grey & brown lime	225	1260
	Salt	210	1470
	Grey & brown lime	210	1680
	Grey lime & gypsum	25	1705
	Brown lime	70	1775
	Dark blue lime	35	1810
	Grey lime	55	1865

Salt water at 420-1630. 1753: 1850 to 60.

Show of oil at 1630

UNION NATURAL GAS CO., CHATHAM
Lot 24, con. V, Euphemia tp.
Completed November 28, 1929. # 44
Dry hole.

Formation	Thickness, ft.
Surface	57
Huron shale	13
Hamilton lime and shale	250
Onondaga	
Detroit River	1,262
Salina	
Guelph and Niagara	263
Rochester	7
Total depth	1,852

Show of oil at 1,582 feet.
Water at 1,830 feet.

UNION NATURAL GAS CO., CHATHAM
Lot 25, con. L, Euphemia tp.
Completed June 5, 1929. # 32
Dry hole.

Formation	Thickness, ft.
Surface	42
Huron shale	68
Hamilton lime and shale	235
Onondaga	130
Detroit River	490
Salina	565
Guelph and Niagara	170
Total depth	1,700

Oil at 595 feet.
Water at 1,670 feet.
Salt at 1,325 to 1,500 and 1,510 to 1,530 feet.

Salt water and showing of oil at 1,420 feet.

Formation	Thickness, ft.
Light-grey lime	35
Grey lime	95
Light-grey lime	25
Slate and shale	55
Dark-grey lime	190
Light-grey lime	49
Total depth	1,449

Salt water and showing of oil at 1,449 feet

UNION GAS CO. OF CANADA, LTD.
Lot 26, con. V, Euphemia tp.
Completed August 28, 1934.
Dry hole.

Formation	Thickness, ft.
Surface	40
Soap and lime	235
Grey and brown lime	80
Sharp grey lime	40
Brown lime	195
Brown lime, grey lime, and gypsum	50
Brown lime	20
Sharp grey lime	135
Brown and grey lime	45
Brown lime, blue lime, and gypsum	105
Blue and brown lime	290
Salt	10
Salt and lime	120
Salt	55
Brown and grey lime	105
Blue lime	5
Brown and grey lime	255
Grey lime	50
Blue shale	33
Clinton	7
Red shale	5
Total depth	1,880

Gas at 1,555 feet.
Fresh water at 60 feet; sulphur water at 440 feet; salt water at 1,695 feet.

Water at 745 feet.

LOG NO. 102.—INFORMATION BY SENATOR MICHENER, TORONTO

Lot	Concession	Township	County
19	III	Euphemia	Lambton

Earl Ralston farm
H.B. Brown driller.

Dry hole. Completed November 14, 1923.

Formation		Thickness of formation
Sand and gravel	Casing	35 feet
Clay	54	19 "
Shale and soapstone	54' - 6" 114	60 "
Soapstone	114' - 4 5/8 255	141 "
Limestone	265	10 "
Soapstone	303	38 "
Limestone	410	107 "
Salt water sand	435	25 "
Sand and limestone	454	19 "
Total depth		454 feet

Fresh water 54 ft and 114 ft. Salt water 410 ft.

Lot 196, con. I, N.T.R., Romney tp.
Completed November 2, 1929.
Dry hole.

Formation	Thickness, ft.
Clay	175
Broken formation	7
Soap	83
Brown lime	45
Light-brown lime	50
Grey lime	185
Sharp sand	185
Grey lime	70
Light-brown lime	60
Light-grey lime	45
Dark-grey lime	95

Formation	ft.
Surface	65
Huron brown shale	165
Hamilton lime and shale	285
Onondaga	
Detroit River	1,250
Salina	
Guelph and Niagara	393
Rochester	17
Clinton	5
Cabot Head	80
Manitoulin	45
Queenston	23
Total depth	2,328

Water at 1,835 feet.

LAMBTON OIL AND GAS SYNDICATE, BOTHWELL
Lot 28, S.W. corner, con. IX, Euphemia tp.
Completed April 16, 1932.
Oil yield: 35 bbls. per day.

Formation	Thickness, ft.
Surface	68
Top lime	42
Upper soap	127
Middle lime	15
Lower soap	23
Black streak	7
Big lime	26
Total depth	308

Show of oil at 297 feet.
No water.

LAMBTON OIL AND GAS SYNDICATE, BOTHWELL
Lot 27, con. IX, Euphemia tp.
Completed May 5, 1932.
Dry hole.

Formation	Thickness, ft.
Clay and quicksand	58
Hardpan	16
Top lime	34
Upper soapstone	135
Middle lime	15
Lower soapstone	25
Dark streak	3
Lower lime	129
Total depth	415

Very small supply of water at 60 feet.

LAMBTON OIL AND GAS SYNDICATE, BOTHWELL
Lot 28, con. IX, Euphemia tp.
Completed May 23, 1932.
Dry hole.

Formation	Thickness, ft.
Clay	62
Hardpan	8
Top lime	38
Upper soapstone	140
Middle lime	16
Lower soapstone	24
Dark streak	2
Lower lime	60
Total depth	350

Very small showing of gas at 142, 170, and 300 feet.
Fresh water at 64 feet.

Water at 1,722 feet.

J. F. MARSHANT, PETROLIA
Lot 31, con. VIII, Euphemia tp.
Completed May, 1933.

Formation	Thickness, ft.
Clay	69
Soap and hard shells	31
Soap	159
Middle lime	17
Soap	23
Onondaga	71
Oriskany	55
Brown lime	20
Total depth	445

One 1934 log over leaf

Formation	Thickness, ft.
Cabot Head	65
Manitoulin	64
Queenston	6
Total depth	2,290

Water at 1,750 feet.

G. E. WILLITS AND ASSOCIATES, BOTHWELL
Lot 26, W.½, con. X, Euphemia tp.
Completed August 31, 1929. O. Steele #1
Dry hole.

Formation	Thickness, ft.
Surface	79
Grey shale	26
Top rock	4
Upper soap	138
Middle lime	18
Lower soap	19
Dark streak	5
Drilled into lower lime	139
Total depth	428

G. E. WILLITS AND ASSOCIATES, BOTHWELL
Lot 25, E.½, con. X, Euphemia tp.
Completed September 16, 1929. Bayne #1
Dry hole.
East end of lot, a little North of centre

Formation	Thickness, ft.
Surface	97
Pipe clay	10
Top rock	3
Upper soap	144
Middle lime	13
Lower soap	19
Dark streak	6
Drilled into lower lime	114
Total depth	405

UNION NATURAL GAS CO. OF CANADA, CHATHAM
50' from S
50' West of E Lot 26, con. X, Euphemia tp. #54 Steele
Completed January 25, 1931.
Dry hole.

Formation	Thickness, ft.
Surface	70
Ipperwash lime	15-85
Petrolia shale	165-250
Widder beds	20-270
Olentangy shale	15-285
Onondaga lime and Detroit River (Brown & grey lime 1285-1350)	285-570
Sharp lime	255-825
Dark grey lime and gypsum (60)	205-1030
Brown and grey lime and shale (140)	220-1250
Salt and lime	193-1443
Dark-grey lime and gypsum at 1550	112-1555
Hard dark-brown and grey lime 1790	245-1800
White lime	12-1812
Rochester shale	58-1870
Brown Clinton sand	10-1880
Grey shale	20-1900
Total depth	1,900

Gas at 450 and 1,570 feet.
Sulphur water at 310, 450, and 515 feet; salt at 1,685 and 1,800 feet. 2 bph

J. F. MARSHANT, PETROLIA
Lot 28, con. VIII, Euphemia tp.
Completed October 19, 1932.
Oil yield: 5 bbls.

Formation	Thickness, ft.
Surface	66
Top rock	5
Soap	10
Rock	5
Lower soap	151
Middle lime	15
Soap	25
Lower lime	80
Sand	20
Total depth	377

Oil at 280 to 295, 330, and 335 feet.

INTER-OFFICE MEMORANDUM

No. 175-10-32-25 Pads

TO

DATE

RE Euphemia Wells

FROM

34 Moorehouse - W½ lot 25 Louis 5

35 " - " " " " "

36 Berry - SE¼ lot 27 Louis 5

37 Smith - E¼ lot 26 Louis 4

38 " - " " " "

39 Palmer - E¼ lot 25 Louis 4

42 Bilton - NW¼ lot 24 Louis 5

43 Fenby - W½ E½ lot 24 Louis 4

44 Bilton - NW¼ lot 24 Louis 5

GUBB AND RUSSELL

F. Braithwaite No. 2, lot 9, con. II, Brooke tp.

Completed September 21, 1935.
Dry hole.

Formation	Thickness, ft.
Surface	52
Top rock	80
Upper soap	132
Middle lime	21
Lower soap	25
Big lime	90
Total depth	400

Fresh water at 52 feet; salt water at 400 feet.

GUBB AND RUSSELL

F. Braithwaite No. 3, lot 9, con. II, Brooke tp.

Completed October 8, 1935.
Dry hole.

Formation	Thickness, ft.
Surface	52
Black shale	13
Top rock	70
Upper soap	139
Middle lime	10
Lower soap	32
Big lime	40
Total depth	365

Fresh water at 58 feet.

GUBB AND RUSSELL

H. Wilcox No. 1, lot 10, pt. of W.½, con. II, Brooke tp.

Completed May 15, 1935.
Dry hole.

Formation	Thickness, ft.
Surface	58
Top rock	73
Soapstone	134
Middle lime	19
Lower soap	27
Big lime	145
Total depth	456

Fresh water at 57 feet; salt water at 455 feet.

LILEY AND WINKLER

W. Cambell No. 1, lot 8, con. II, Brooke tp.

Completed May 22, 1935.
Producing oil well.

Formation	Thickness, ft.
Surface	58
Top rock	71
Top soap	135
Middle lime	21
Lower soap	27
Big lime	88
Total depth	400

Oil at 332 feet.
Fresh water at 59 feet.

LILEY AND WINKLER

W. Cambell No. 2, lot 8, con. II, Brooke tp.

Completed June 19, 1935.
Dry hole.

Formation	Thickness, ft.
Surface	59
Black shale	16
Top rock	15
Top soap	136
Middle lime	21
Lower soap	27
Big lime	37
Total depth	351

Fresh water at 58 feet.

SCIENTIFIC OIL AND GAS SYNDICATE

R. Serson No. 2, lot 27, con. XII, Brooke tp.

Completed October 8, 1935.
Producing gas well.
Small show of oil.

Formation	Thickness, ft.
Surface clay	52
Hardpan	13
Black shale	11
Grey shale	7
Lime	4
Lime and soap	43
Hard grey lime	10
Lime and soap	18
Hard grey lime	3
Soap	125
Soapy lime	4
Middle lime	25
Lower soap	23
Dark lime	8
Lower lime	107
Total depth	453

Gas at 160 feet.
Show of oil at 401 and 452 feet.
Fresh water at 55 feet; salt water at 401 to 452 feet; black water at 453 feet.

BERT WILSON

J. Lewis No. 2, lot 27, con. XII, Brooke tp.

Completed April 13, 1935.
Dry hole.

Formation	Thickness, ft.
Clay	30
Sand	30
Gravel	15
Grey shale	5
Top rock	80
Top soap	128
Middle lime	26
Lower soap	19
Grey lime	12
Big lime	120
Total depth	465

Salt water at 150 feet.

LEO WILSON ET AL.

R. Serson No. 1, lot 27, con. XII, Brooke tp.

Completed March 22, 1935.
Producing gas well.
Small oil yield.

Formation	Thickness, ft.
Clay	52
Black gravel	16
Grey shale	27
Soap	30
Hard lime	3
Soap	22
Lime	4
Soap	133
Middle lime	21
Soap	21
Dark lime	8
Big lime	128
Total depth	475

Gas at 95 feet.
Oil at 348 feet.
Sulphur water at 68 to 80 feet; brackish water at 400 to 405 feet; dark salt water at 450 to 475 feet.

GUBB AND RUSSELL

W. T. Weese No. 1, lot 22, N. ½, con. III, Dawn tp.
Completed December 9, 1935.
Dry hole.

Formation	Thickness, ft
Clay	62
Black shale	298
Top rock	55
Top soap	130
Middle lime	13
Lower soap	42
Onondaga	365
Hard grey lime	105
Hard brown and grey lime	80
Total depth	1,150

Fresh water at 62 feet; sulphur water at 725 feet.

G. E. AND D. E. WILLITS

A. Shepherd No. 1, lot 18, con. X, Euphemia tp.
Completed February 26, 1937.
Dry hole.

Formation	Thickness, ft.
Surface	108
Top rock	7
Soap	198
Middle lime	14
Lower soap	15
Black streak	5
Lower lime	124
Total depth	472

Fresh water at 40 feet; salt water at 446 feet.

OLGA GAS AND OIL CO., LTD.

J. H. Coleman No. 1, lot 18, con. VI, Euphemia tp.
Completed August, 1935.
Dry hole.

Formation	Thickness, ft.
Surface	50
Top rock	22
Soap and shell	142
Middle lime	11
Lower soap	20
Dark streak	7
Soap	3
Lower lime	159
Total depth	414

Show of oil at 348 feet.
Fresh water at 50 feet; salt water at 348 feet.

OLGA GAS AND OIL CO., LTD.

D. Ferguson No. 1, lot 19, con. VI, Euphemia tp.
Completed September, 1935.
Dry hole.

Formation	Thickness, ft.
Surface	60
Hardpan	9
Top rock	32
Soap	99
Shell	4
Soap	38
Middle lime	11
Lower soap	20
Dark streak	5
Soap	1
Lower lime	59
Total depth	338

Show of oil at 287 feet.

OLGA GAS AND OIL CO., LTD.

C. McDonald No. 1, lot 17, con. VIII, Euphemia tp.
Completed July, 1935.
Dry hole.

Formation	Thickness, ft.
Surface	78
Top rock	24
Soapstone and shell	70
Hard soap	38
Shell	6
Soap	22
Middle lime	15
Lower soap	19
Dark streak	5
Soap	1
Lower lime	119
Sandstone	4
Total depth	401

Show of oil and gas at 295 feet.
Fresh water at 79 feet; salt water at 397 to 401 feet.

F. L. PATTERSON ET AL.

A. Bruce No. 1, lot 4, con. IX, Moore tp.
Completed April 17, 1935.
Small producing oil well.

Formation	Thickness, ft.
Surface	145
Top rock	47
Top soap	133
Middle lime	12
Lower soap	45
Lower lime	392
Total depth	465

Oil at 392, 400, and 420 feet.
Fresh water at 172 feet.

F. L. PATTERSON ET AL.

A. Bruce No. 2, lot 4, con. IX, Moore tp.
Completed April 24, 1935.
Dry hole.

Formation	Thickness, ft.
Surface	152
Top rock	63
Top soap	115
Middle lime	12
Lower soap	43
Lower lime	70
Total depth	455

Show of oil at 395 and 410 feet.
Fresh water at 171 feet.

F. L. PATTERSON ET AL.

A. Glover No. 1, lot 4, con. X, Moore tp.
Completed May 11, 1935.
Small producing oil well.

Formation	Thickness, ft.
Surface	145
Hardpan	5
Top rock	62
Top soap	120
Middle lime	13
Lower soap	50
Lower lime	69
Total depth	464

Oil at 422 feet.
Fresh water at 176 feet.

W. E. Stanley

W. W. Johnson No. 1, lot 18, con. IX, Euphemia tp.
Completed March 18, 1938.
Dry hole.

Formation	Thickness, ft.
Surface	82
Hardpan	11
Top rock	47
Top soap	142
Middle lime	12
Lower soap	16
Black streak	4
Lower lime	86
Total depth	400

Fresh water at 87 feet; salt water at 331 feet.

Union Gas Co. of Canada, Ltd.

Mrs. M. Bilton No. 1, lot 22, con. I, Euphemia tp.
Completed June 1, 1938.
Dry hole.

Formation	Thickness, ft.
Surface	52
Brown shale	53
Lime and shale	277
Grey lime	123
Sharp grey lime	48
Brown lime	258
Sharp brown and grey lime	189
Brown lime	92
Brown and blue lime	6
Brown and blue lime and gypsum	6
Blue lime	6
Brown and blue lime and gypsum	24
Blue lime	18
Brown lime and gypsum	6
Brown lime	6
Blue lime	90
Brown and blue lime	250
Brown lime and salt	6
Brown lime	60
Brown, blue, and grey lime	72
Brown and grey lime	90
Brown lime	114
Grey lime	65
Grey shale	9
Total depth	1,920

Show of gas at 1,540 feet.
Sulphur water at 500 feet.

Union Gas Co. of Canada, Ltd.

J. L. and C. Elliott No. 1, lot 22, W. ½, con. II, Euphemia tp.
Completed April 6, 1938.
Dry hole.

Formation	Thickness, ft.
Surface	33
Brown shale	37
Lime and shale	240
Grey and brown lime	105
Sharp grey lime	33
Grey lime	12
Brown lime	240
Brown and grey lime	24
Sharp brown and grey lime	156
Brown lime	91
Brown and blue lime and gypsum	12
Blue and brown lime	30
Brown lime, and blue lime and gypsum	62
Brown and blue lime	108
Brown lime	72
Blue lime	66
Blue and grey lime	9
Salt	158
Brown lime	122
Grey and brown lime	86
Brown lime	135
Grey lime	62
Blue shale	12
Total depth	1,905

Show of gas at 108 feet.
Fresh water at 35 feet; sulphur water at 415 feet; salt water at 1,860 feet.

D. H. Wood

D. Dobbyn No. 1, lot 27, con. IV, Euphemia tp.
Completed May 8, 1938.
Small producing oil well.

Formation	Thickness ft.
Surface	12
Hard white rock	4
Soft white rock	4
Hardpan	5
Upper soap	165
Middle lime	20
Lower soap	20
Lower lime	110
Total depth	340

Oil at 337 feet.
Fresh water at 23 feet.

Drake and Walker

S. Annette No. 1, lot 21, con. V, Euphemia tp.
Completed December 23, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	67
Top rock	67
Top soap	141
Middle lime	18
Lower soap	17
Dark streak	5
Lower lime	16
Total depth	331

Fresh water at 60 feet.

A. L. Lertzman

J. L. Monroe No. 1, lot 29, con. IV, Euphemia tp.
Completed September 19, 1939.
Small producing oil well.

Formation	Thickness, ft.
Surface	45
Top rock	38
Soap	135
Middle lime	17
Lower soap	19
Big lime	116
Total depth	370

Oil at 340 to 352 feet.
Fresh water at 70 to 75 feet.

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A. L. Lertzman

C. Tunks No. 1, lot 26, con. IV, Euphemia tp.
Completed November 10, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	42
Top rock	46
Soap	106
Middle lime	37
Lower soap	24
Lower lime	125
Total depth	380

Small show of oil at 325 and 335 feet.
Fresh water at 50, 146, and 251 feet; salt water at 325 feet.

Completed November 13, 1938.
Dry hole.

Formation	Thickness, ft.
Surface	109
Top rock	41
Top soap	130
Middle lime	26
Lower soap	34
Lower lime	170
Total depth	510

Show of gas at 150 feet.
Fresh water at 90 feet; salt water at 443 feet.

UNION GAS CO. OF CANADA, LTD.

G. Stuart Estate No. 1, lot 16, con. VIII, Euphemia tp.

Completed November 12, 1945.
Dry hole.

Formation	Depth, ft.
Surface	85
Soap and lime shell	110
Top rock	128
Soap and lime shell	270
Middle lime	280
Soap	295
Grey lime	415
Brown and grey lime	650
Sharp brown and grey lime	800
Grey and brown lime	815
Brown lime	857
Brown and grey lime	900
Brown lime	944
Blue lime	1,000
Blue and brown lime	1,020
Brown lime	1,188
Grey lime	1,212
Brown lime	1,242
Salt	1,405
Salt and lime	1,435
Brown lime	1,541
Grey lime	1,577
Brown lime	1,613
Grey lime	1,665

Show of sulphur gas at 240 feet.
Show of oil at 530, 640, 1,550, and 1,626 to 1,633 feet.
Fresh water at 100 and 305 feet; salt water at 1,626 to 1,633 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

Mrs. O. Gibson No. 1, lot 34, con. III, Euphemia tp.

Completed April 13, 1946.
Dry hole.

Formation	Depth, ft.
Surface	64
Soap	82
Shale	164
Soap and lime	370
Lime	562

Fresh water at 47 and 471 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

F. Johnston No. 1, lot 24, con. IV, Euphemia tp.

Driller: O. Shaw.
Completed May 5, 1947.
Dry hole.

Formation	Depth, ft.
Surface	50
Black sand	51
Brown shale	75
Top rock	134
Soap and lime shell	180
Soap	250
Soap and lime shell	280
Middle lime	316
Soap and shell	326
Lime shell	332
Big lime	336
Brown lime	434
Grey lime	455

Fresh water at 50 and 57 feet; salt water at 434 feet

BUSBY AND FERGUSON

R. Chambers No. 1, lot 27, con. IV, Warwick tp.

Completed November 1, 1938.
Producing oil well.

Formation	Thickness, ft.
Surface	124
Top rock	63
Top soap	134
Middle lime	23
Lower soap	27
Black streak	7
Lower lime	149
Total depth	527

Oil at 440 feet.
Fresh water at 124 feet; salt water at 490 to 495 feet.

UNION GAS CO. OF CANADA, LTD.

M. Fansher No. 1, lot 18, con. II, Euphemia tp

Driller: Kiser Bros.
Completed November 27, 1947.
Dry hole.

Formation	Depth, ft.
Surface	50
Black shale	90
Top rock	145
Soap	280
Middle lime	292
Soap	311
Grey lime	317
Brown lime	419
Grey lime	437
Brown lime	461
Sharp grey and brown lime	485
Brown lime	670
Sharp brown and grey lime	843
Sharp grey lime	990
Brown lime	1,082
Brown and blue lime and gypsum	1,088
Brown and blue lime	1,136
Brown, blue, and grey lime	1,240
Brown lime	1,375
Blue lime	1,437
Blue and brown lime	1,490
Brown lime	1,567
Brown and grey lime	1,663

Sulphur water at 419 to 425 feet.

UNION GAS CO. OF CANADA, LTD.

J. and F. Cross No. 1, lot 28, con. VII, Euphemia tp.

Driller: Kiser Bros.
Completed September 13, 1947.
Dry hole.

Formation	Depth, ft.
Surface	62
Brown shale	75
Top rock	130
Soap and shell	250
Lime	285
Soap	300
Brown and grey lime	390
Grey lime	408
Brown and grey lime	550
Brown lime	636
Brown and grey lime	828
Grey and brown lime	898
Blue lime, gypsum, and brown lime	964
Brown and blue lime	1,120
Brown and grey lime	1,138
Brown lime	1,161
Brown and blue lime	1,251
Brown lime and salt	1,263
Salt and shell	1,452
Brown lime	1,507
Grey lime	1,573
Brown and grey lime	1,585
Brown lime	1,709
Grey and brown lime	1,791

Fresh water at 10 and 60 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

J. Cracknell No. 1, lot 17, con. V, Euphemia tp.

Driller: W. McKillop.
Completed July 21, 1948.
Dry hole.

Formation	Depth, ft.
Surface	128
Soap	145
Shale and lime	149
Soap	163
Soap and shale	168
Shale and lime	190
Lime	201
Soap	222
Lime	227
Brown lime	252
Lime	366
Total depth	509

Show of oil at 227, 301, 337, and 357 feet.
Show of gas at 357 feet.
Fresh water at 123 feet; salt water at 227, 331, and 357 feet.

Fresh water at 105 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

J. Cracknell No. 2, lot 16, con. V, Euphemia tp.

Driller: W. McKillop.
Completed October 8, 1948.
Producing oil well.

Formation	Depth, ft.
Surface	168
Lime	178
Black shale	184
Lime	195
Soap	217
Brown lime	335

Oil at 314 to 325 feet.
Show of gas at 312 and 327 feet.
Fresh water at 64, 123, 136, 154, and 225 feet; salt water at 242 and 262 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

J. Cracknell No. 3, lot 17, con. V, Euphemia tp.

Driller: Demaray and Nichols.
Completed October 25, 1948.
Dry hole.

Formation	Depth, ft.
Surface	118
Soap	180
Lime	199
Soap	218
Brown lime	335

Show of oil at 320 and 324 to 326 feet.
Fresh water at 10 and 58 to 116 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

J. and A. Hack No. 1, lot 16, con. VI, Euphemia tp.

Driller: D. Holmes,
Completed September 10, 1948.
Producing oil well.

Formation	Depth, ft.
Surface	128
Shale	140
Lime	145
Shale and lime	165
Shale	190
Grey lime	232
Brown lime	370

Oil at 232 feet.
Fresh water at 100 and 135 feet; salt water at 232 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

G. Herbert and E. Patterson No. 1, lot 16, con. V, Euphemia tp.

Driller: Demaray and Nichols.
Completed August 19, 1948.
Dry hole.

Formation	Depth, ft.
Surface	126
Soap	205
Grey lime	225
Soap	246
Brown lime	365

Fresh water at 9, 60, and 96 feet; salt water at 365 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

F. Johnston No. 2, lot 16, con. VI, Euphemia tp.

Driller: D. Holmes.
Completed November 2, 1948.
Dry hole.

Formation	Depth, ft.
Surface	153
Shale	157
Grey lime	160
Lime	210
Shale	226
Lime	365

Show of oil at 232 feet.
Fresh water at 123 and 163 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

V. Duncan No. 1, lot 16, con. V, Moore tp.

Driller: R. McMaster and Sons.
Completed May 15, 1948.
Producing gas well.
Rock pressure: 830 lbs.

Formation	Depth, ft.
Surface	140
Black shale	255
Black shale and lime	390
Soap	492
Lime	638
Blue lime	640
Brown lime	990
Grey and brown lime	1,275
Brown and blue lime	1,285
Brown lime	1,315
Blue shale	1,380
Brown lime	1,510
Salt and brown lime	1,545
Brown lime	1,560
Shale and salt	1,740
Salt	1,905
Brown lime	2,055
Salt	2,150
Brown lime	2,225

Gas at 2,155 to 2,167, 2,175 to 2,190, and 2,194 to 2,201 feet.
Show of oil at 2,183 and 2,194 to 2,201 feet.
Fresh water at 139 feet; salt water at 640 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

J. Gray No. 1, lot 16, con. V, Moore tp.

Driller: R. McMaster and Sons.
Completed December 1, 1948.
Dry hole.

Formation	Depth, ft.
Surface	132
Black shale	230
Blue shale and brown lime	312
Soap and lime	474
Blue lime	484
Brown lime	694
Brown lime and gypsum	745
Brown lime	1,080
Blue and brown lime and gypsum	1,248
Blue shale and gypsum	1,328
Brown and blue lime	1,380
Lime and salt	1,410
Brown and blue lime and gypsum	1,488
Salt and lime	1,520
Blue shale and gypsum	1,590
Salt	1,616
Salt and brown lime	1,846
Salt	1,853
Brown lime	1,920
Blue lime	1,988
Brown lime and gypsum	2,000
Salt and gypsum	2,115
Brown lime	2,200
Blue and brown lime and gypsum	2,430
Blue and brown lime and shale	2,970
Brown and grey lime	3,630
Blue and grey lime	3,690
Brown and grey lime	3,915
Blue and brown lime	4,184
Brown lime and sand	4,194
Granite	4,220

Show of gas at 2,115 feet.
Fresh water at 131 feet; salt water at 593 to 596 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION
V. McDonald No. 1, lot 17, con. VI, Euphemia tp.
Driller: W. McKillop.
Completed March 1, 1948.
Dry hole.

Formation	Depth, ft.
Surface	108
Soap	212
Soap and lime	227
Lime	236
Shale and lime	242
Soap	255
Dark-grey lime	259
Brown lime	465

Show of gas at 223 feet.
Show of oil at 255 feet.
Fresh water at 53 and 105 feet; sulphur water at 396 and 408 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION
Nesbitt and Brown No. 1, lot 16, con. VII, Euphemia tp.
Driller: Demaray and Nichols.
Completed September 16, 1948.
Dry hole.

Formation	Depth, ft.
Surface	66
Lime and soap	225
Lime	235
Soap	257
Brown lime	445

Fresh water at 60 feet; salt water at 385 to 391 and 435 to 441 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION
Nesbitt and Brown No. 1, lot 18, con. VII, Euphemia tp.
Driller: Demaray and Nichols.
Completed September 2, 1948.
Dry hole.

Formation	Depth, ft.
Surface	73
Lime	100
Soap	190
Lime and soap	235
Lime	250
Soap and lime	310
Brown lime	393

Show of oil at 139 and 193 feet.
Fresh water at 7, 45, and 70 feet; salt water at 391 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION
C. Stocking No. 1, lot 16, con. I, Euphemia tp.
Driller: W. McKillop.
Completed May 17, 1948.
Producing oil well.

Formation	Depth, ft.
Surface	126
Lime	134
Soap	194
Lime	208
Soap	225
Brown lime	345

Oil at 225, 234, and 336 feet.
Show of gas at 336 feet.
Fresh water at 66 and 102 feet; salt water at 234 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION
C. Stocking No. 3, lot 16, con. V, Euphemia tp.
Driller: Demaray and Nichols.
Completed July 27, 1948.
Dry hole.

Formation	Depth, ft.
Surface	65
Lime and soap	220
Brown lime	351

Show of oil at 330 to 335 feet.
Fresh water at 10 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION
H. Stocking No. 2, lot 16, con. V, Euphemia tp.
Driller: D. Holmes.
Completed July 21, 1948.
Producing oil well.

Formation	Depth, ft.
Surface	124
Shale	145
Lime and shale	155
Shale	187
Grey lime and shale	200
Lime	203
Shale	225
Lime	354

Oil at 232 to 235 feet and 344 feet.
Fresh water at 60 to 90 and 120 to 124 feet; salt water at 145 to 150 and 235 feet.

GREGORY HOGAN
G. Patterson No. 2, lot 16, con. V, Euphemia tp.
Driller: S. Earl.
Completed March 8, 1949.
Dry hole.

Formation	Depth, ft.
Surface	61
Top rock	105
Soap	247
Middle lime	263
Soap	292
Lower lime	357

Show of oil at 297 feet.
Fresh water at 61 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION
J. and A. Hack No. 3, lot 16, con. VI, Euphemia tp.
Driller: Stubble and Stubble.
Completed September 1, 1949.
Dry hole.

Formation	Depth, ft.
Surface	163
Top rock	183
Soap and lime	252
Brown and grey lime	411
Brown lime	580
Brown and grey lime	793
Brown lime	882
Brown and blue lime	895
Blue lime and gypsum	903
Brown lime	931
Brown and blue lime and gypsum	1,046
Brown and blue lime	1,255
Salt and brown lime	1,419
Brown lime	1,476
Brown and grey lime	1,534
Brown and grey lime and gypsum	1,548
Brown lime	1,680

Fresh water at 135 feet; salt water at 375 and 506 to 512 feet.

WILSON-SULLIVAN DEVELOPMENT CO., LTD.

E. Stuart No. 2, lot 16, con. VIII, Euphemia tp.

Driller: Wilson-Sullivan Development Co., Ltd.
Completed November 15, 1949.
Producing oil well.

Formation	Depth, ft.
Surface	87
Soap	102
Top rock	134
Top soap	262
Middle lime	272
Lower soap	283
Grey lime	308
Brown lime	316

Oil at 308 feet.
Fresh water at 84 feet; sulphur water at 265 feet.

WILSON-SULLIVAN DEVELOPMENT CO.

J. Pucsck No. 1, lot 16, con. VIII, Euphemia tp.

Driller: Wilson-Sullivan Development Co.,
Completed May 18, 1950.
Dry hole.

Formation	Depth, ft.
Surface	87
Top rock	132
Top soap	247
Middle lime	266
Lower soap	285
Dark streak	288
Grey lime	338

Show of oil at 302 feet.
Fresh water at 87 feet; salt water at 302 feet.

E. MCGAFFEY

C. Brown No. 1, lot 17, con. V, Euphemia tp.

Driller: R. McGaffey.
Completed August 28, 1950.
Producing oil well.

Formation	Depth, ft.
Surface	59
Hard pan	91
Upper soap	105
Lime shell	115
Soap	130
Lime shell	155
Soap	185
Middle lime	203
Lower soap	227
Black streak	237
Lower lime	360

Oil at 263 and 345 feet.
Salt water at 115, 193, 263 and 345 feet.

WILSON SULLIVAN DEVELOPMENT CO.

H. Stocking No. 1, lot 16, con. V, Euphemia tp.

Driller: Wilson Sullivan Development Co.
Completed March 8, 1951.
Dry hole.

Formation	Depth, ft.
Surface	124
Top rock	132
Soap	194
Middle lime	213
Lower soap	224
Brown lime	235
Grey lime	355
Sharp sand	365

Fresh water at 10 feet; sulphur water at 123 feet.

E. R. MCGAFFEY

C. Brown No. 2, lot 17, con. V, Euphemia tp.

Driller: E. McGaffey.
Completed February 24, 1951.
Producing oil well.

Formation	Depth, ft.
Surface	70
Hard pan	84
Sand	91
Soap and shell	180
Middle lime	202
Lower soap	224
Dark streak	231
Soap	232
Big lime	359

Oil at 199 and 347 feet.
Fresh water at 148 and 199 feet; sulphur water at 347 feet.

Lambton County—Continued

D. C. LATHER

J. Kuckall No. 1, lot 16, con. V, Euphemia tp.

Driller: D. Lather.
Completed June 10, 1950.
Producing oil well.

Formation	Depth, ft.
Surface	125
Gravel and hardpan	143
Soap	176
Middle lime	188
Soap	222
Grey and brown lime	350
Sharp lime	360

Oil at 229 and 345 feet.
Show of gas at 229 feet.
Fresh water at 128 feet; sulphur water at 229 and 345 feet.

Lambton County—Continued

DEMARAY, NICHOLS, AND PARKINSON

M. Walker No. 2, lot 28, con. IX, Euphemia tp.

Driller: Demaray and Nichols.
Completed May 14, 1952.
Producing oil well.

Formation	Depth, feet
Surface	72
Top rock	118
Upper soap	258
Middle lime	274
Lower soap	290
Lower lime	312

Oil at 310–12 feet.
Fresh water at 70 feet.

CASCADE OIL CO.

M. Walker No. 3, lot 28, con. IX, Euphemia tp.

Driller: Demaray and Nichols.
Completed October 30, 1952.
Producing oil well.

Formation	Depth, feet
Surface	67
Top rock	118
Soap	248
Middle lime	269
Lower soap	285
Dark-grey lime	290
Buff lime	385
Sharp sandy lime	413

Oil at 307 feet.
Fresh water at 65–67 feet; sulphur water at 410 feet.

IMPERIAL OIL, LTD.

J. Eyre No. 1, lot 18, con. VII, Moore tp.

Driller: Stubble and Stubble.
Completed December 13, 1952.
Producing gas well.
Rock pressure: 785 lb.

Formation	Depth, feet
Surface	142
Black shale	230
Hamilton	495
Grey and brown lime	678
Brown lime and gypsum	755
Brown and grey lime	958
Sharp grey lime	1,112
Grey and brown lime	1,185
Brown lime and gypsum	1,202
Blue, grey and brown lime	1,240
Blue and brown lime and gypsum	1,282
Brown and blue lime	1,426
Brown and blue lime and salt	1,440
Brown and blue lime	1,575
Brown lime and salt	1,600
Grey and blue shale	1,643
Brown lime and salt	1,865
Brown and grey lime	1,945
Grey lime and gypsum	1,965
Gypsum	1,982
Brown lime and gypsum	1,985
Brown lime	2,012

Gas at 510, 1,985–91, 1,994–97, 2,003–6, and 2,010–11 feet.
Fresh water and 140 feet; sulphur water at 620 feet.

IMPERIAL OIL, LTD.

C. and N. Iden No. 2, lot 17, con. VIII, Moore tp.

Driller: R. McPherson.
Completed April 2, 1952.
Dry hole.

Formation	Depth, feet
Surface	150
Brown shale	242
Hamilton	504
Brown lime	682
Brown lime and gypsum	786
Brown lime	846
Brown and grey lime	909
Sharp brown and grey lime	1,105
Brown and grey lime	1,176
Brown and grey lime and gypsum	1,220
Brown and blue lime and blue shale	1,294
Brown and blue lime and gypsum	1,330
Brown and blue lime	1,404
Salt and lime shells	1,422
Brown lime	1,432
Salt and lime shells	1,454
Brown lime	1,474
Brown and blue lime and salt	1,546
Brown and blue lime	1,620
Lime and salt	1,673
Blue shale and brown and blue lime	1,740
Lime and salt	2,030
Brown and blue lime	2,180
Lime and salt	2,215
Salt	2,277
Salt and gypsum	2,285
Brown lime and gypsum	2,295
Brown lime	2,343
Brown and grey lime	2,419
Brown lime and gypsum	2,445
Brown lime	2,455
Grey lime	2,530
Blue shale	2,536

Fresh water at 149 feet; sulphur water at 660 feet.
Show of oil at 2,285–95 feet.

IMPERIAL OIL, LTD.

R. Medley No. 1, lot 20, con. IX, Moore tp.

Driller: R. McPherson.
Completed November 14, 1952.
Producing gas well.
Rock pressure: 880 lb.

Formation	Depth, feet
Surface	155
Brown shale	270
Hamilton	537
Brown lime	967
Sharp brown and grey lime	1,165
Brown lime	1,265
Brown and blue lime and gypsum	1,280
Brown and blue lime	1,350
Brown and blue lime and gypsum	1,447
Brown lime	1,482
Lime and salt	1,502
Brown lime	1,529
Lime and salt	1,610
Brown and blue lime	1,680
Lime and salt	1,730
Brown and blue lime	1,787
Lime and salt	2,080
Brown lime	2,190
Brown and grey lime	2,207
Brown lime and gypsum	2,232
Lime and salt	2,323
Brown and grey lime	2,347
Brown lime	2,387

Gas at 2,344–62 feet.
Sulphur water at 670–80 feet.

Lambton County—Continued

DEMARAY, NICHOLS, AND PARKINSON

Mrs. N. Macauley No. 1, lot 29, con. IX, Euphemia tp.

Driller: Demaray and Nichols.
Completed March 19, 1952.
Dry hole.

Formation	Depth, feet
Surface	66
Top rock	117
Upper soap	249
Middle lime	269
Lower soap	295
Grey lime	301
Buff lime	385
Sharp lime and sand	403

Fresh water at 65 feet; sulphur water at 403 feet.

IMPERIAL OIL, LTD.

J. Mihalich No. 1, lot 29, con. VIII, Euphemia tp.

Driller: R. McPherson.
Completed July 16, 1952.
Dry hole.

Formation	Depth, feet
Surface	65
Top rock	75
Lime and soap	247
Lime	266
Lime and soap	280
Dark-grey lime	285
Brown lime	450

Fresh water at 70 and 260 feet; black water at 416 feet.

E. L. ROTH

J. Mihalich No. 1, lot 28, con. X, Euphemia tp.

Driller: E. Roth.
Completed July 3, 1952.
Dry hole.

Formation	Depth, feet
Surface	86
Top rock	134
Top soap	275
Middle lime	290
Lower soap	310
Grey lime	315
Brown lime	395
Sharp sand	435
Brown lime	466

Fresh water at 86 feet; sulphur water at 415 feet.

UNION GAS CO., OF CANADA, LTD.

G. and M. Prangley No. 1, lot 22, con. III, Euphemia tp.

Driller: Ehde and Meier.
Completed August 22, 1952.
Dry hole.

Formation	Depth, feet
Surface	60
Black shale	110
Hamilton	350
Brown lime	450
Water sand	480
Brown lime	530
Grey lime	610
Brown lime	720
Sharp lime	1,025
Brown lime	1,110
Brown and blue lime	1,130
Brown and blue lime and gypsum	1,140
Brown and blue lime	1,198
Blue lime and gypsum	1,260
Brown and blue lime	1,512
Lime and salt	1,530
Brown lime	1,638
Grey lime and gypsum	1,644
Brown lime	1,734
Black lime	1,752
Brown lime	1,764
Brown lime and gypsum	1,788
Grey lime	1,800
Brown lime	1,830
Grey lime	1,848
Brown lime	1,872
Grey lime	1,920
Grey shale	1,922

Fresh water at 56 feet; sulphur water at 450 feet.

WILSON-SULLIVAN DEVELOPMENT CO., LTD.

E. Stuart No. 2, lot 16, con. VIII, Euphemia tp.

Driller: Wilson-Sullivan Development Co.
Completed October 12, 1952.
Dry hole.

Formation	Depth, feet
Surface	90
Top rock	136
Upper soap	259
Middle lime	269
Lower soap	295
Dark-grey lime	302
Grey lime	305
Brown lime	378

Show of oil at 307 feet.
Fresh water at 87 feet; sulphur water at 307 feet.

DEMARAY, NICHOLS, AND PARKINSON

M. Walker No. 1, lot 28, con. IX, Euphemia tp.

Driller: Demaray and Nichols.
Completed April 29, 1952.
Producing oil well.

Formation	Depth, feet
Surface	64
Top rock	109
Upper soap	247
Middle lime	264
Lower soap	286
Lower lime	310

Oil at 308–10 feet.
Fresh water at 64 and 84 feet.

Lambton County—Continued

UNION GAS CO. OF CANADA, LTD.

J. and G. Webb No. 1, lot 15, con. III, Enniskillen tp.

Driller: W. Kiser and Son.
Completed October 22, 1952.
Dry hole.

Formation	Depth, feet
Surface	75
Black shale	90
Hamilton	460
Brown lime	730
Brown lime and gypsum	736
Brown lime	898
Sharp lime	1,090
Brown lime	1,186
Blue and brown lime and gypsum	1,192
Brown lime	1,210
Blue and brown lime and gypsum	1,216
Grey, blue and brown lime	1,616
Brown lime and salt	1,676
Brown lime	1,688
Salt and lime	1,694
Brown lime	1,763
Grey lime	1,830
Salt and lime	1,875
Brown lime and gypsum	1,887
Brown lime	1,941
Brown and black lime	1,996
Grey and brown lime	2,008
Brown lime	2,038
Grey lime	2,116
Grey shale	2,122

Show of oil at 75 feet.
Show of gas at 1,899–1,905 feet.
Fresh water at 75 feet; sulphur water at 586 and 643 feet.

E. R. MCGAFFEY

C. and B. Brown No. 3, lot 17, con. V, Euphemia tp.

Driller: E. McGaffey.
Completed March 10, 1952.
Dry hole.

Formation	Depth, feet
Surface	78
Soap	109
Lime shell	112
Soap	138
Lime shell	148
Soap	193
Middle Lime	205
Lower soap	225
Dark streak	231
Soap	233

Show of oil at 234 feet.
Fresh water at 63 feet; salt water at 112 and 347 feet.

E. R. MCGAFFEY

C. and B. Brown No. 4, lot 17, con. V, Euphemia tp.

Driller: E. McGaffey.
Completed December 6, 1952.
Dry hole.

Formation	Depth, feet
Surface	72
Soap	107
Lime shell	111
Soap	135
Lime shell	138
Soap	140
Lime shell	148
Soap	158
Lime shell	165
Soap	184
Middle lime	205
Lower soap	225
Dark streak	233
Lower lime	368
Oriskney sand	370

Show of oil at 233 and 347 feet.

E. L. ROTH

L. Elliott No. 1, lot 25, con. X, Euphemia tp.

Driller: S. Earl.
Completed July 4, 1952.
Dry hole.

Formation	Depth, feet
Surface	65
Top rock	118
Upper soap	257
Middle lime	270
Lower soap	287
Grey and brown lime	398
Sharp sand	430
Buff lime	476

Fresh water at 100 feet; black water at 259 feet; sulphur water at 408 feet.

E. L. ROTH

L. Elliott No. 1, lot 26, con. IX, Euphemia tp.

Driller: R. Lather.
Completed August 8, 1952.
Dry hole.

Formation	Depth, feet
Surface	93
Top rock	113
Top soap	251
Middle lime	268
Lower soap	286
Grey lime	293
Brown lime	376
Sharp sand	420
Brown lime	475

Fresh water at 93 feet; sulphur water at 450 feet.

E. L. ROTH

L. Elliott No. 2, lot 28, con. X, Euphemia tp.

Driller: Demaray and Nichols.
Completed October 28, 1952.
Dry hole.

Formation	Depth, feet
Surface	78
Top rock	110
Soap	245
Middle lime	262
Lower soap	282
Grey and brown lime	580
Sharp grey lime	800

Fresh water at 77 feet; sulphur water at 450 and 570 feet.

E. L. ROTH

C. Johnson No. 1, lot 26, con. VIII, Euphemia tp.

Driller: R. Lather.
Completed December 6, 1952.
Dry hole.

Formation	Depth, feet
Surface	67
Top rock	112
Top soap	248
Middle lime	268
Lower soap	278
Grey lime	290
Brown lime	370
Sharp sand and lime	400

Show of oil at 310 feet.
Fresh water at 67 feet; sulphur water at 400 feet.

Lambton County—Continued

UNION GAS CO. OF CANADA, LTD.

M. McDonald No. 1, lot 6, con. XIV, Enniskillen tp.

Driller: W. Kiser and Son.
Completed September 8, 1952.
Dry hole.

Formation	Depth, feet
Surface	189
Hamilton	439
Brown lime	699
Grey lime and gypsum	711
Brown lime	885
Sharp lime	1,042
Brown lime	1,128
Blue lime and gypsum	1,134
Brown lime	1,174
Blue lime and gypsum	1,180
Brown and blue lime	1,387
Salt and lime	1,429
Brown lime	1,465
Salt and lime	1,533
Brown and grey lime	1,629
Salt and lime	1,653
Grey and brown lime	1,755
Salt and lime	2,030
Brown lime	2,096
Grey lime	2,166
Brown and grey lime and gypsum	2,178
Salt	2,273
Brown lime	2,318
Dark-grey lime	2,396
Grey lime and gypsum	2,408
Grey lime	2,483

Show of gas at 450 feet.
Show of oil at 484–90 feet.
Fresh water at 185 feet; sulphur water at 504–10, 558–72, 777, and 837 feet.

UNION GAS CO. OF CANADA, LTD.

S. and T. Mills No. 1, lot 29, con. I, Enniskillen tp.

Driller: Ehde and Meier.
Completed November 25, 1952.
Producing gas well.
Rock pressure: 805 lb.

Formation	Depth, feet
Surface	50
Black shale	160
Hamilton	445
Brown lime	810
Sharp sand	1,125
Brown lime	1,220
Brown and blue lime and gypsum	1,270
Blue and brown lime	1,290
Blue lime and gypsum	1,360
Brown and blue lime	1,610
Brown lime	1,666
Grey lime	1,732
Lime and gypsum	1,744
Brown lime	1,817
Grey lime	1,841
Brown lime	1,884

Gas at 1,618–48 and 1,744–51 feet.
Fresh water at 48 feet; sulphur water at 550 feet; salt water at 1,800 and 1,835 feet.

IMPERIAL OIL, LTD.

A. and W. Smale No. 1, lot 19, con. XIII, Enniskillen tp.

Driller: R. McMaster and Sons.
Completed February 25, 1952.
Dry hole.

Formation	Depth, feet
Surface	71
Black shale	154
Hamilton	424
Brown lime	908
Sharp lime	1,034
Brown lime	1,190
Blue shale and brown lime	1,301
Salt	1,315
Brown lime	1,350
Lime and salt	1,413
Salt, lime and gypsum	1,431
Brown lime	1,472
Lime and salt	1,585
Shale	1,680
Lime and salt	1,713
Salt	1,906
Lime and shale	2,045
Salt	2,127
Gypsum	2,130
Brown lime	2,301
Grey lime	2,359
Shale	2,364

Sulphur water at 560 feet.

UNION GAS CO. OF CANADA, LTD.

J. Stapleton No. 1, lot 2, con. IX, Enniskillen tp.

Driller: W. Kiser and Son.
Completed June 5, 1952.
Dry hole.

Formation	Depth, feet
Surface	80
Black shale	120
Hamilton	370
Brown lime	545
Brown lime and gypsum	665
Brown lime	800
Sharp brown and grey lime	981
Brown and blue lime	1,069
Brown and blue lime and gypsum	1,082
Brown and grey lime	1,141
Brown lime and gypsum	1,149
Brown and grey lime	1,292
Salt and lime	1,328
Brown lime	1,338
Salt and lime	1,361
Grey, blue, and brown lime	1,442
Salt and lime	1,478
Grey and blue lime	1,601
Salt and lime	1,845
Brown lime	1,920
Blue and grey lime	1,992
Salt	2,085
Brown lime	2,127
Grey and brown lime	2,211
Brown and grey lime and gypsum	2,229
Brown lime	2,253
Grey lime	2,322
Grey shale	2,328

Fresh water at 80 feet; sulphur water at 520, 600, and 630 feet.

Euphemia 1953

I Carruthers #1

T. Paige #1 lot 29 Con X

960' S. 1403 E Elev. 695'

Comp Aug 11th 53 Producer Oil

Surface	90	90
Top rock	50	140
Top Soap	138	278
Middle lime	20	298
Lower soap	17	315
Grey lime	8	323
Brown lime	27	350

Oil at 340. Fresh 90 Sulphur 340

E R McGaffey #6

W H Davis #4 lot 18 Con V

314 N 373 W Elev. 650'

Comp Oct 6th 53 Dry hole

Surface	73	73
Upper Shale	134	207
Middle lime	16	223
Lower soap	18	241
Dark streak	5	246
Soap	1	247
Lower lime	120	367
Dark sandy sand	1	368

Show gas 249 Salt water at 153

McGaffey #5

O & B Rolston #1 lot 17 Con V

130' N & 350' W & Elev ?

Comp May 21st 53 Prod oil

Dec 15th 1954

Surface	166 - 166
Lime shell	10 - 176
Soap	8 - 184
Lime shell - soap	8 - 192
Middle lime	17 - 209
Lower lime	20 - 229
Dark streak	6 - 235
Big lime	17 - 252
do do deepened	103 - 355

Oil at 229 - 34 Fresh water 149 - 169

Oil at 306 - 14 Salty " 354 - 358

Demaray Nichols Parkinson Jewell #2

N Walker #4 lot 28 Con IX

10' N & 485 E & Elev 676

Comp Jany 28th 53 Dry

Surface	75	75
Top rock	47	122
" soap	138	260
Middle lime	15	275
Lower soap	20	295
Dark grey lime	4	299
Buff lime	78	377
Sharp sandy lime	27	404

Show Oil at 320

Fresh water 75' Sulphur water 312

Hole sulphur 404

Demaray Nichols Parkinson Jewell #6

N Walker #5 lot 28 Con IX

2705. 1000' W

July 4th 53 Dry Hole

Surface	69
Top rock	121
" soap	260
Middle lime	275
Lower soap	295
Grey lime	300
Brown lime	315

Show oil 313. Fresh water 69 Sulphur 313

EDWIN R. McGAFFEY - No. 5
O. Rolstone No. 1
Euphemia Tp., Lot 17, Con. V.

Co-ordinates: 150' N., 350' W.
Elevation:
Driller: E. McGaffey.
Completed: December 15, 1954.
Result: Producing oil well.
Reported flow: 1 bbl./day.

See back of page

Formation	Thickness feet	Depth feet
Log to lower lime	252	252
Lower lime	103	355

Water	Oil
Salty at 354' to 356'	At 306' to 314'

NOTE: This is a "deepening" and not tabulated as a well drilled; drilled first in May, 1953.

EDWIN R. McGAFFEY - No. 7
O. Rolstone No. 2
Euphemia Tp., Lot 17, Con. V.

Co-ordinates: 320' N. of c/l., 600' W. of c/l.
Elevation: 635' + 1'.
Driller: E. McGaffey.
Completed: August 10, 1954.
Result: Producing oil well.
Reported flow: 1 bbl./day.

Formation	Thickness feet	Depth feet
Surface	172	172
Hamilton	66	238
Brown lime	117	355
Watersand	5	360

Water	Oil
Fresh at 123' and 172'	At 277' to 279'
Salty at 355' to 360'	309' to 315'

EUPHEMIA

lot	Con	Company	Location	Year	Elev	Total Depth	Bedrock Form	Production Depth	Production Form	Production bbls MCF	Press psi	Surf Depth	Remarks
28	IX	Lambton O&G Synd	900' N 800' E	1932	672	350		142 170 300		Show gas		62	Fresh water 64
33	IX	— —	SW cor	—						"		—	
18	X	Geo Willits A Shephard #1	3000' S 50' W	1937	680	472				"		108	Fresh water 40 Salt. w. 446
19	X	Vogel #2	100' S 2000' W	1932	678	468				"		98	Water 420
25	X	GE Willits	NE corner	1929	692	406				"		107	
26	X	Union Gas Co	50' N. 50' W of ℄	1931	683	1900		450		25m		70	Sulphur water 310, 450, 515
26	X	GE Willits	50' N 100' E ℄	1929	683	428				Dry		79	
23	XI	— —	500' S 1300 W	—						"			

EUPHEMIA

lot	Con	Company	Location	Year	Elev	Total Depth	Bedrock	Production Depth	Production Form	Production bbls mw ft	Press Pbs. I.	Drift	
22	I	Union Gas Co Mrs N Bilton #1	93' N 71 E	1938	641	1920	Kettle Point			Dry		52	Show gas 1540 Sulphur water @ 500 ft
23	I	UNION GAS Co	200' N 650 W	1928	650	2106	"			"		45	Salt water 505
25	I	do	600' N 100 E	1929	659	1700	"			"		42	do do 595
25	I	Ladd & Knight	600 N 200' E	1934	659	641	"	352 395		oil gas	Show	40	
22	II	UNION GAS Co JL & C Elliott	325' N 200' E	1938	628	1905	"	108		show gas		33	Salt water 1860 Fresh water 35 Sulphur water 415
19	IV	Dr J W Winnett	200' N 2000' W	1924	645	454	"			"			
24	V		NE cor	--	654	—	--			—			
25	IV	UNION GAS Co	600' S 400 W	1919	657	1712	"			—		55	gas oil & salt reported.
25	IV	Do	100' N 1800 W	1929	657	1865	"	1630	Guelph	Dry	—	55	gas at 1630
26	IV	Do	385 N 625 W	1914	636	1690	"	1560 1675	Salina Guelph	325 m	575	30	some oil reported
26	IV	Do	825' S 600 W	1920	662	1704	"	1582	Salina ?	235 m	575	50	some oil " at 1685
26	IV	A.L. Lertzman C. Tanks #1	63' W 1200' S	1939	—	380	Hamilton	325 335	Norfolk	Small Show	—	42	Fresh water 50, 140 and 251
27	IV	D.H. Woods D. Dobbyn #1	400' N 600' W	1938	625	340	--	337	Norfolk	22 bbls	—	12	Fresh water 23

27	4	Parsons	NW. Corner			360	Kettle Point			Dry		58	
27	4	Wilson and Bennett	200 ft. S. of N. line 800 ft. W. of E. line			370	"						
29	4	A. L. Lertzman J. L. Monroe No. 1		1939		370	Hamilton	340	"			45	Small producing oil well. Fresh water at 70 to 75 ft.
24–27	4–5												Numerous shallow wells have been drilled into the Norfolk in this area.
18	5	McGregor	SE. Corner	1866			Kettle Point						
18	5	Birmingham	NW. Corner		625		"						
21	5	Drake and Walker S. Annette No. 1		1939		331	Hamilton			Dry		67	Fresh water at 60 ft.
24	5	Union Gas Co. of Canada, Ltd.	NW. Corner	1929	657	2,046	Kettle Point	1580	Guelph	118 Mcf.	410	55	Abandoned. Fresh water at 55 and 80 ft. Salt from 1,295 to 1,455 ft.
24	5	Union Gas Co. of Canada, Ltd.	50 ft. S. of N. line 2,100 ft. E. of W. line	1929	660	1,852	"	1,582	"	Dry		57	Show of oil at 1,582 ft. Salt water at 1,830 ft.
25	5	Union Gas Co. of Canada, Ltd.	900 ft. S. of N. line 1,100 ft. E. of W. line		660								
25	5	Union Gas Co. of Canada, Ltd.	580 ft. S. of N. line 225 ft. W. of E. line		660								
26	5	Union Gas Co. of Canada, Ltd.	800 ft. N. of S. line 600 ft. W. of centre line	1934	638	1,880	Hamilton	1,555	"	Dry		40	Fresh water at 60 ft. Sulphur water at 440 ft. Salt water at 1,695 ft. Gas at 1,555 ft.
27	5	Union Gas Co. of Canada, Ltd.	125 ft. N. of S. line 2,100 ft. W. of E. line	1919	661	1,700							
18	6	Olga Gas and Oil Co., Ltd. J. F. Coleman No. 1	900 ft. S. of N. line 50 ft. W. of E. road	1935	639	414	"	384	Norfolk	Dry		50	Show of oil at 384 ft. Fresh water at 50 ft. Salt water at 348 ft.
19	6	D. Ferguson No. 1	850 ft. S. of N. line 1,000 ft. W. of E. road	1935	654	338	"	287	"	Dry		69	Show of oil at 287 ft.
19	7		2,100 ft. W. of E. line 100 ft. S. of N. road		655								

Wells in Euphemia Township, Lambton County—Concluded

Lot	Con.	Designation	Location	Year drilled	Altitude in feet above sea-level	Depth in feet	Bedrock formation	Producing depth in feet	Producing formation	Yield Mcf. or bbls.	Pressure in lbs. a sq. in.	Thickness of drift in feet	Remarks
27	7	.....	.....	.....	670	80	Kettle Point	.....	.....	.....	.....	63	
30	7	.....	.....	.....	672	83	"	.....	.....	.....	.....	58	
17	8	Chas. McDonald.....	NE. Corner.....	1932	671	305	"	.....	.....	Dry	.....	77	
17	8	Olga Gas and Oil Co., Ltd..... C. McDonald No. 1.....	40 ft. N. of S. line..... 40 ft. E. of W. road	1935	681	401	Hamilton	.....	.....	Dry	.....	78	Show of oil and gas at 295 ft. Fresh water at 79 ft. Salt water at 397 to 401 ft.
19	8	G. E. and D. E. Willits..... A. Stewart	NW. Corner.....	1933	662	342	"	.....	.....	Dry	.....	68	
25	8	.....	200 ft. N. of S. line..... 2,000 ft. W. of E. line	.....	.....	.....	.....	.....	.....	Dry	.....	.....	
27	8	Lambton Oil and Gas Syndicate.	NE. Corner.....	.....	.....	451	"	.....	.....	.....	.....	.....	
28	8	J. F. Marshant.....	SE. Corner.....	1932	672	377	"	280	Norfolk	5 bbls.	.....	66	
31	8	J. F. Marshant.....	SE. Corner.....	1933	682	445	"	335	.....	Dry	.....	69	Salt water at 410 ft.
33	8	Brownlee.....	NE. Corner.....			480				Dry			
18	9	W. E. Stanley..... W. W. Johnston No. 1.....	115 ft. W. of E. road..... 4,180 ft. N. of S. road	1938	680	400	"			Dry	.....	93	Fresh water at 87 ft. Salt water at 331 ft.
19	9	Vogel No. 1.....	200 ft. N. of S. line..... 2,700 ft. W. of E. line	1932	672	450	"	.....	.....	Dry	.....	76	Fresh water at 74 ft. Salt water at 430 ft.
27	9	Lambton Oil and Gas Syndicate.	50 ft. S. of N. line..... 1,000 ft. E. of W. line	1932	671	415	"	.....	.....	Dry	.....	58	Fresh water at 60 ft.
27	9	Lambton Oil and Gas Syndicate.	100 ft. N. of S. line..... 1,500 ft. E. of W. line	.....	.....	.....	.....	.....	.....	Dry	.....	.....	
28	9	Lambton Oil and Gas Syndicate.	SW. Corner.....	1932	667	308	"	297	"	Dry	.....	68	Show of oil at 297 ft.

Section VI: Moore Township

Chapter I: Lambton County

The Harkness Files
Volume IX
Lambton

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MOORE

Vic Lawrison

MOORE OIL FIELD

About the year 1902 a Petrolia Syndicate. Alex Cameron Saml Stokes, John Fraser and W M Lowery drilled several test wells for oil. These last well on the Thos Johnson farm was dry on farm lot 1 Con VII dry. Johnson had some ideas of his own about "structure" and he used the depth of Black shale as a guide in the same manner as Dr Sterry Hunt had described in 1866 altho it is very doubtful that Johnson had ever met Hunt. Johnson joined a new syndicate of Johnson, Lowery, A S Gurd, David Barr and J H Kittermaster and John Fraser which in 1904 in the name of the Moore Oil Co. They drilled on the Wright Bros farm lot 8 Con X and got a 10 bbl well. Second well near the plank road on lot 3 Con X the A Davis farm Gas at 400 ft blew the tools from the hole at 10 ft in the big lime and flowed an estimated five million cu ft of gas for weeks. It was finished a 100 bbl oil well at 445-450

This brought a rush of leasors and drillers into the field and wells were drilled in every direction for the next two or three years until the field was outlined A well on the Wright farm came in at 125 bbls and a well on the Alex Bruce farm 35 bbls.

Other wells in the area were John D Noble on the Saunders farm, the McComb and Morrison farms. Al Edwards on the Jas Norwood farm. Dr C O Fairbank on the Mitchell farm and McNeil farm and a syndicate on the Holmes farm.

The field was a "crevice" field with producers following a pattern believed to be a line of crevices or mud veins from 10 feet to 30 feet in the big lime

The Beaver Oil and Gas Co bought out the Moore Oil Co and were large operators in the field.

There was more gas in the west end of the field than in the Petrolia field. For years many wells in Moore and to the north in Sarnia flowed gas that was burned in the atmosphere to waste. The reason given was that of shut in it would blow past the seed bag packers

See Moore FIELD

Globe

Petrolia

Bradford field flooded the market and hurt Canadian production & trade.

Dec 31st 1873 From Pet Advertiser Dec 24th

Trade in crude very quiet. Purchases here for home consumption @ 75¢ but lower prices have been paid. Refined to 16 cents gal by bbl. gives no profit

Rept of Dec 26th

The organization for the protection - not monopoly - of the oil interests both crude and refined is progressing favourably. Movement is in the hands of men whom the trade have confidence in. This hope and the success of the oil burner (locomotive) gives a firmer tone to the market.

The hard times has caused many labour saving devices to appear and lowered production costs.

Durham Creek still attracts attention. Sanson well on Murray territory made a good start. Perkins Cooley & Gleason #2 adjoining Lancaster big well put in 3½" pump. Lancaster runs with 3" pump. Hyde rigged up. McGarvey new well near Pithole shut down. Hardacre is casing.

Jany 14th 1874 Advertiser Jany 8th

"In view of a new oil organization, crude has slightly advanced and 80¢ to 90¢ is quoted. The meeting of the producers on Friday night will decide whether it is practicable to form another company but whether that company can control the sale of crude to the refiners here or centre the refined oil in this place is yet in the future. Many hopefully affirm that a company of the bone and sinue of the producers can bring about the good time when oil was $2.00 per bbl and the demand for railways and for home refined will rapidly take up the production which is still about 6000 to 7000 bbls weekly"

Jany 21/74 Advertiser Jany 15th

Probs are the producers Company will be formed prod lagging 5-6000 bbls weekly at 80-90¢

Feb 4th/74 Advertiser Jany 29th

"The market for crude remains unsettled owing to the uncertainty of the new Crude & Refining Co going into operation". Prod probs 5000 bbls week at 70-80¢ bbl.

Advertiser (Glencoe Transcript Feby 5th 74). A still at Baltic Work (Waterman & Englehart exploded killing one and injuring four others seriously. They were removing tar from Still No 8 & 9 Tar was stiff so they obtained permission to soften it by lighting a fire under the still. An explosion followed that burned the men. Clampit was killed by a huge sheet of iron that removed a part of his skull.

Toronto Mail Dec 1st 1888 says In 1873 the Bradford field of Pa flooded the markets of the world and paralyzed the Canadian trade. The home market could not take on half the output but after a time the home consumption increased, and the home demand absorbed the surplus.

Petrolia incorp town Jany 1st 74 Mayor Geo Montcrieff
Councillors Perkins Crosley Coryell Chamberlain. Draper Brake
McDonald Mearns and Noble

Feb 11th 1874. Advertiser Feb 6th

Oil Market

Little change since last week few sales @ 80 ¢
Lot of small wells shut down prod. 4-5000 bbls.

Weekly Oil Rept

The new Association will become effective as soon as ½ dozen prod can be got into the group these are holding back for selfish reasons and are blocking the deal.

Very few wells drilling, Mersor Bell are drilling Rosenburgs new well near the Old Empire Martlavelle Mr Sauson is rigging up South of Walkers store Blind line Mr Callanans well is very good. Van Tuyl Smith and Co South of Ingersoll wells Durham Creek is drilling in lower rock. Mr Murray proposes to go on with his new well South of the Sauson well. Mr Hyde is testing Western Co #6. South of the Race track. Durham Creek is one of the best on Durham Creek.

Gas pumps are being tested out - merits

Feb 19th 74 — Advertiser

"Oil men generally (and their creditors) are at present upon the anxious seat: the quotations of oil looking up one day and a fraction less the next creates an uncertainty that all efforts made to organize Protective Assn's and Joint Stock Tanking Companies cannot contra-counteract. Hence but comparatively few new ventures or oil speculations of any kind are visible throughout the district."

Mr Noble commencing well on lot 5 N.W. territory near his flowing well. Rosenburgs new well near the Old Empire is down to 350 ft and progressing. Mr Jas. Lawsons well on the blind line near Mr Walkers corner is ready to drill. Van Tuyl & Co lot 11 South of Durham Creek is casing.

Duncan Sinclair starting a well at Pt Frank for a salt company

Feb 24th 74 Advertiser Feb 20th

"A better feeling exists as accounts reach us ~~that~~ the limits of the oil belt in Penn being now clearly defined and petroleum going up." NY market is unsteady and likewise Can prices

Summary - There is a fair reserve of crude in Petrolia and must get a foreign market to increase production. Can refiners must compete with US for this. Hence satisfaction in the reported limits to the Penn oilfields.

No new drilling last weeks drilling continued

Production

Feb 24th 74 contd – Producers are only pumping their largest wells – a 5 bbl well would operate at a loss – they just pump enough to pay running expenses. Prod 5000 well price 70–80 cents

Feb 26th Petrolea despatch Feb 27th

"The Western of Canada Oil Co shut down about 50 of their wells today thereby throwing about 75 men a out of employment. The cause is the depressed state of the oil market." (Note despatch of Mar 6th)

March 11th 74 – Petrolea Mar 10th

Copad in Refining "There is a mass meeting here tonight to discuss the action of the government in reference to the late seizures here of Refineries by the Inland Revenue Dept and also to consider the best means to get the Excise duty on refined Petroleum abolished."

March 11th 1874 Pet Advertiser Mar 6th

News from Penn not encouraging for better prices

Daily reports of wells shutting down, business not paying, no future etc. Few buyers are willing to tank oil at present

Instead of Western 50 wells shut down more like 20 non paying wells shut down and a dozen men left out of work. This is at present common practice

Most activity around Durham Creek where Van Tuyl & Co new well pumps 25 bbls. The well is a considerable distance south of the Ingersoll wells and a little west of the side line. Murrays well, same territory south of Lancaster well ready. Sanson & McDonald ready to drill. Lawson drilling a little west of Walkers corners. Nearly all wells in Pithole are shut down, some for repairs others have too much water. Noble's well on 5 XIII is nearly down Mr Lamott will drill in front of his residence on the XII Bad roads ties up everything in NW & Marthaville

March 25th 1874 Pet Advertiser Mar 20th

A few of the largest producers have held out from the proposed association and have wrecked it.

So long as refined oil sells in NY at 14–15¢ gal. the Can export market is lost.

Mr Noble has another good well. Last season he brought in the Flowing well on lot 5 Con XII his second well was a good one and his third well near the centre of the lot is a 100 bbl well. This success has turned all attention to the NW again. Roads in that district are terrible, 4 horses on small load.

Lamotte ready to drill. P Taylor rigging up to MW adjoining wells of Col Parsons and Hunt near Marthaville Jas Lawson is casing King territory & Pithole have much water

Apr 7th 1874 Advertiser Apr 3rd

"Well developed hope, and blindness of the future is said to be our greatest present consolation." Operators keep on going on this principal in spite of bad times and losses.

Nearly all refineries are idle and many of the wells are shut down which throws men out of work. Still a few wells are being drilled

Sanson & McDonalds well, Murray territory Durham Creek has a good show. Mr Murrays is rigging up a little to the South. A short distance to the east is King Houston & Bro. (who bought out Goldsmiths interest in the old Meadow well) and proposes to pump both from the same engine. McDonald has a well a little to the north of the rival wells of Hyde & Gibson. Altogether Durham Creek is quiet now and no more drilling short of the N.W. Hunt & Co have removed their rig from East ½ lot 9 Con XIII to the N.W. line some dozen rods and are about to put down another well. P. Taylor & Co own the W ½ 9 XIII and are rigging up some 50 rods from the road. Lamotte is drilling on lot 8 XII along side the road. Gurd & Co well on the Dickbaum farm has a paying well even at present prices (over 5 bbls) The Noble well on 5 XIII keeps up good rate.

(15) Only those are producing who need ready cash.

Apr 14th Advertiser Apr 10th

Long shut down have allowed water to enter the field and some pumping wells are effected especially in the older localities.

Nobles wells in N W district is pumping favourably Hunt & Beresford west side E½ lot 9 XIII is progressing favourably. Jas Lawsons new well is getting a new seed bag to shut off water. Mr McCarren is putting down a new hole in the Waterwich rig Pithole. Pithole district is rather quiet at present. Think that some are flooding others in order to buy them up cheap.

In Durham Creek area. Sanson & McDonald on Murray territory fair pumper but developed fresh water troubles. Murrays new well ready to drill King Houston well McDonald — are drilling. Lancy is starting another well near South line of Crescent property

Apr 15

John McMillans refinery that was seized by the Govt has been released on payment of $50.00

Apr 21st 1874 Advertiser Apr 17th

Hopes of reduction in freight rates to London along with a present reduction in rates east of London has improved matters (passenger rates are 50¢ return to Wyoming 5¢ mile) G.W.R. has been hard in Petrolia. Wells reported last week are being continued.

May 11th 74 (May 7th? Advertiser)

Over One Hundred oil operators have joined the "stop drilling for ninety days" campaign. Price now 60¢ bbl and there is not enough confidence to prompt money to buy oil and tank it. The producers would like to see another Judge Higgins but he as well as the English investors have not realized expectations. The troubles of the Can operator are due to the deluge of oil in Penna in 1873 when a deeper sand was discovered.

Neither the Lamotte well nor the Hunt well to the N.W. of Marthaville are completed. New venture of Hunt E½ lot 7 XII is progressing. Mr Lawsons last 2 wells are wet and he has moved his rig from the last one and is preparing a double rig adjoining the "Pride of Napanee" on the south end and convenient to the Blend Line. Western wells, Durham Creek have been shut down, excepting the rival well near Mr Gibsons which goes 15 bbls/day in fact there is a falling off of yield in the neighborhood. Perkins Cooley & Gleasons wells are pumping off to moderate wells while Lancasters is only pumped occasionally. Sanson & Co (Murray territory) deepened and improved. Murray new well ready drill. Second well of Houston & Co near the old Meadow well is drilling. McDonald well near "rivals" delayed. Lancuys last well does not look so good.

King is Pitcholl territory wet

June 2nd Advertiser May 28th

Trend of market improving. Hospite of the fact that the "stop drilling for 90 days failed". Price now 70 cents at Marthaville and F.O.B. Petrolia 75¢. Believe that reciprocity would help things.

Lubricating oil market greatly improved since the light American lubs have caused fires and Insurance Cos are discriminating.

McDonalds #4 near the Western and Mr Gibson is light well as were the other three. To the south of the large hill adjoining the old Meadow well (a little N of Slack well) King Houston & Bro have a paying well. A short distance west of the Houston well Murrays new well is on rock 150 ft. McDonald has removed an old landmark from the Crescent property - the Baden well rig, and is rigging up on the Callaghan property a little east of 12th line school house. Callaghan is rigging up a little farther east.

Petrolia

June 2nd contd.
Noble #5 on lot 5 XIII. Coryell is rigging up on lot 4 XIII Neil farm. Beresford & Hunt are putting a rig on lot 7 XII Lamotte & Co 8 XII fair well Lambes new well 9 XII drilling. Business improving
Editor believes that mismanagement and extravagance is the great cause of bad times.

June 9th
Oil Business still depressed. The efforts to use crude in locomotives and boilers generally in the iron trade, in the US navy and for making gas have not been a great success.
The stagnation in the market caused a cessation in pumping & drilling. The general opinion is that a good market can be found for Can oil but Capitalists say that it is a risky investment.
All last weeks drilling progressing. Of late no new wells have been struck that will depress the market altho many are good paying wells

June 16th 74
At Durham Creek near ravine South of Creek Murrays south of hill from Lancaster well and Brigham & Co between Houston rig & old Slack well, are drilling.
To N.W., Lambes well 9 XII, Beresford & Hunt E½ 7 XII Callinan & Co front of lot 5 XII. McDonalds NW cor 5 XII Nobles #4 lot 5 XIII Coryell 4 XIII drilling Lindsay & Co are rigging up on rear of Neil farm.
Price of crude is steadily improving much more sales and more being tanked by refiners and speculators.
Marthavelle 78 cents Petrolia 82 FOB 85

June 23rd Advertiser June 19th
The Healy well is near the corner of Sarnia Moore Plympton.
Drilling is progressing on —
Lancys well South of Durham creek. Murray is nearly done, fair.
Brigham drilling. Lambe 9 XII good show, Beresford & Hunt 7 XII ready Callanan 5 XII drilling McDonald 5 XII drilling. Nobles well middle 10 acres of 5 XIII and Coryell 4 XIII drilling Lindsay & Co another well on their 50 ac on 4 XIV across the Sundline
Price has improved 5 cents since last week, but owners are holding off. Marthavelle 85¢ FOB Petrolia 90¢
There is plenty of oil in tanks at 80¢ which is being held but there is no quantity of oil at the wells.

PETROLIA

July 1st 1874 Advertiser June 26th

The shutting down of the King area, the old McDougall well and the Taylor twins west of Walkers corners has sent a flood of water into the field and has somewhat reduced the production. No new wells of any size have come in and the old wells are falling off gradually.

Murray well Durham Creek nearly down looks fair. Breghan & Lancey wells are drilling. NW of Marthaville Lambert well on 9 XII will soon be tested. Beresford Hunt & Graham drilling 7 XII. Callanan & Co and McDonald drilling 5 XII Noble #4 on 5 XIII and Coryell 4 XIII drilling. Lindsay & Co rigging up on 4 XIV Drader rigging up on 6 XIII.

Heavy purchases have been made on private a/c which has strengthened the market, prices greatly improved demand heavy taking all supply from wells.

Tea F O B Petrolia 95 – $1.00

July 23 74 Description of the Dawson Road Rt Arthur Wpg

July 29th 1874 Advertiser July 24th 74

Deplores the state of things in Petrolia, Refineries are all but closed down. The once flourishing Durham Creek is doing very little. altho it has been quieter before big wells were produced from what was supposed to be dead territory. "There is an abundance of territory not yet perforated, and did the price of oil warrant it, old wells would be pumped as in times past and new wells would be put down. They cannot be a doubt, judging from experience south of Petrolia and elsewhere that good wells would be had even in districts run over." Everyone knows that good wells are found among small wells and even near total failures, but no one will take risks in times of such low prices.

Development is towards NW. Marthaville is 3 miles NW and was once the centre now it is 3 miles further NW. The centre of attraction is 6 miles from Pet. the Bradley Coryell & Gillespie well. Mandamus may be made a shipping point

LANCEYS WELL

Lanceys well (Durham Creek) caused a flurry pig pumping 250 bbls but immediately settled to 12 bbls. Keith & Woolley (Shomaker area) ready Shomaker rigging up NW of Barret well and in the field SW of Deluge Brake is drilling on the Lambe lot. Oliver #2 E½ lot 7 in 1-th Lamuth is nearly down. Bain & Lawson rigging up near old Squires well 7 XII. Beresford Hunt & Graham W½ 7 XII drilling in lower line. Drader drilling 6 XIII. Callanan & Co testing. McDonald rigging up south of his producer on 5 XII. Lindsay & Co drilling new well E½ 4 XIV. McGarvey & Co rigging up on Holmes farm E½ 3 XIII near side road and blind line. Gibson & Bennett rigging up on Brooks farm 3 XIV Bennett has already drilled a dry hole on the same

Kittrick

" farm, Mr Kittrick another while Widdes & Co had a
" small well further N.W. on W½ 3 XIV nearly opposite
Duncan's, on the town line

Aug 13th Advertiser 7th

Drilling Rept

Market stagnant several deals pending negotiations of a refined oil partnership. New ventures to the MO are on the increase and jealous owners in less lucrative areas are resolved to pump even in heavy water areas. This has brought out a larger production with no outlet.

One of the principal buyers has withdrawn from the market and caused a lull and some to offer oil at a lower price. Intrust will ruin the best market. Prices varying over such a wide limit can't quote

Aug 19th 74. from Adv 14th

No activity in development

Agitation prevailing last week continues pending the settlement of the proposed Refiners partnership. Feeling very high among producers except those who are refiners. Group of producers succeeded in leasing a refinery in London to protect themselves.

Present price about, 70 cents

Aug 25th 74 Advertiser 14th

Lull in market following recent activity

Truce proclaimed until Sept when results of efforts to form another Assc will be announced. It may be necessary to form a working body of crude producers, depending on the action of the refiners.

The following will finish this week:- Lindsay, Rosenburg & Lancy 2 wells S 50 ac of Andy Holmes farm. Brakes new well Lambe sub., Shoemaker well N end his sub. & possibly Keith on Woolleys #2 same sub. Rigs underway:- Brake's Maple Leaf (Holmes farm) lot 4 XIV. McCourt's a little N.W. of Bradley Coryell & Gillespie ~~Thunder~~
" Thunder well: Longheds new well McCray farm 2 XIV. Noble #4
" on 10 ac 4 XIII McDonald #2 4 XII, Draders 6 XIII. Bain
" & Lawsons 8 XII Perkins #3 in IX Great Western Co 10 XIII
" Sanson & Co Slack farm 9 XI

Thus it will be seen that is little prospect of any great increase in yield, as large well is an exception and many old wells playing out and not worth pumping. Very small sale of crude, and not likely to be any increase.

1874

Sept 1st 74 Advertiser Aug 28th

Business quiet with oil @ 90 ¢. Great scarcity of water has caused some shut downs. Proposed refiners Assc will be known next week.

Drilling Rept

Sept 11th Advertiser 4th

We have at last touched bottom and are unable to hear of any regular price paid for oil and there is very little changing hands. Refiners movements were doubtful but the "leases" were taken for September and probably will be taken from month to month until March which all agree is best. Over 20000 bbls of refined will be made in Petrolia for the Assc which starts things going again. ? what price will be paid for crude. There is now no fixed price and if refiners do not force their crude on the market it is felt that the refiners will be willing and able to pay $1.00 bbl. instead of 75¢ as now.

Drilling rept

Globe Sept 29th 74 Advert ?

Expectations not realized the Refiners Assc would increase the price of crude. They get a good price for refined but buy crude at lowest price offered. Buyers are seeking to cripple producers and buy them out at ruinous prices. For above reason producers are preparing to look after themselves by forming an organization Producers Assc.

The Holmes territory is not so big while shutting down and falling off of old wells proclaims a decline in production. The once proclaimed slogan of oil being magnanimously placed at $1.00 per barrel" is now a myth. It is now up to the producers

Oct 21st 74 Advertiser 16th

Prod feel that an injustice is being done them and refiners are agitated at the success of their mammoth scheme. No doubt they both have worries.

American oil 25¢ Cam ref 22½¢ believe that at 22½ they can pay $1.00 instead of 78-85¢. Montreal refiner bought one dozen carloads crude for Montreal refiners at 85 fob in barrels.

Depression in foreign trade limits trade to home consumption.

Oct 29th Advert Oct 23rd

Tells the producers to give up talk and jealousy and form a body to deal with the refiners.

Drilling Rept

Petrolia

Nov 11th 1874 Adv Nov 6.

Battle between prod & Ref brought parties together and possibly an agreement has been reached. It has been a cut throat competition both parties cheating on one another Editor feels that retail price is high enough to merit better price for crude to say $1.25 Believes prod Assc with funds enough to buy sacrafice oil would be the remedy.

Nov 19th 1874 Adv Nov 13th

Prod Assc formed, called Petrolia Crude Oil & Tanking Co Ltd. Prod will sell all crude to this Co who will deal with Refiners Ring. Already price of crude firm at 85 cents. Chas Jenkins Pres Jos McDougall vice pres. Chas Ribighini Ow Chamberlain R D and John D Noble E H Coryell & W K Gibson Directors After paying all charges 90% of net goes to producers and 10% to stockholders in Co.

Nov. 25th Adv. Nov 20th

Some doubt of cont Ref Assc until March. Great confidence in Prod. Assc.

Small drilling Rept

Nov 30th Adv Nov 27th

Recent Afc of falling off of 4th Sand in Penna brings hope to Pet prod. altho it will be some time before Amer. stocks have been depleted. It will be some time before price advances so that Can oil can compete in foreign markets. Prod now limited to Can consumption

Refiners Assc & more particularity the Producers Assc has held up the price of oil now paying 75¢ cash plus dividend at end of year. Ref Assc may collapse

Winter season causing shut down of some wells but there is an occasional big strike to offset this

Dec 2 2nd Adv. Dec. 18th

Oil trade in Penna demoralized.

In Petrolia the shut down of drilling wells has had its effect scarcity of water helped. Few wells drilling and small wells idle, will keep supply below the demand.

Pet Crud Oil & Tank Co paying advanced 75¢ cash Independent Prod. 80¢ & 85¢ FOB.

Petrolia 1875
The Globe

Jany 6th Advertiser 15th

Found business rather quiet. Many old wells shut down and many repairing other waiting better price of crude. Drilling and work at Petrolia - "Pond district" is too much troubled with salt water to pump at less than $1.00 bbl.

Nothing of sensational nature in the N.W.

The last venture in Slacks farm has not proved of much account.

Won't lay out any money while prices may go lower.

Perhaps it is due to the producers assc even imperfect as it is that petroleum is not now selling at Pa prices viz "4 bbls to buy a New Years turkey" Petrolia has seen better times but also worse.

Jany 13th Late a/c from Pa say will be a better oil market. Canadian oils cannot stand competition outside the Dominion and hardly "in it" notwithstanding the protective duty of 15¢ gal.

Business very quiet.

New well of McDonalds 6 XIII believed to be paying well. Beresfords well 7 XII nearly down, big show of gas & oil. Says will be little activity until oil goes to $1.00

Jany 20th Prod Assc is holding oil at 85¢ Pa price advancing. Many seizures of American oil. Carloads seized at Amherstburg and two other lots of 5000 gals and 7380 gals seized as being below the fire test.

Imports of oil (illuminating) year ending Sept - 15000 gals. There are large imports of American Oil and our own oil sales very light. Editors blame our "managers"

Jany 28th

American oil imported in large quantities that is supposed to be used in industry (paints varnish) law requires this to be done under license but it is not being complied with. Most of this has a lower flash test than 105° standard. Inspection facilities are not sufficient.

Feb 2nd Advertiser Jany 29th

Pa fields getting better price and demand.

Ed complains that refiners are holding oil at so high a price that American oil competes successfully after paying the duty. Another reason is that much of our own oil is of inferior quality and induces consumers to pay the premium for US oil.

Crude price now 85 cents

Two important reasons for the present lack of ~~consum~~ sales. There were immense stocks of refined oil on the market when it was virtually closed to competition. 2nd Owing to the increased price

1875

" and the uncertainty of the market the trade is very careful of purchasing for stock account except for immediate market this together with the quantity of imported oil has operated against Petrolias interests.

Whatever happens retail stocks must be replaced but the question is whether it will from Canada or U.S.A.

London refiners are in the field trying to deal with producers much stiffer feeling.

" Very few wells starting up. The New Noble well 4 XIII
" and Beresford well 7 XII are showing fair prospects.

Great scarcity of water halts drilling & pumping

Feb 23rd

Scarcely any change. A few sales are being made and deliveries are being made to two London firms who work under arrangements with the Refiners Assc.

The Prod Assc have eliminated the jealousy of the past by electing the pres board as prominent in the basis of their first report for the past year (Pet Crude Oil Pooling Co.) Those outside the Co may now all be expected to join. This Assoc Co have also succeeded in leasing a refinery for their own protection.

Refiners should be able to return a profit but such fancy returns as they got last year are gone forever. The duty of the Assc should mean that refined oil cannot be imported from the U.S.A. to compete and dealers can rest assured that the price will be maintained at the highest rate to return them a profit and stabilize the price.

No new developments now water scarce but wood cheap. Cold snap halted pumping.
Noble & Beresfords wells holding up well. So are Lawsons "twins"

Mar 10th

Irritation between the Prod Assc & Refiners Assc. but still hope that they can get together and control the market.

Ruling good - those who bought at 70-85¢ are now holding for $1.00 Speculators have been dealing at from 85¢ to 90¢ but scarcely any contracts for delivery.

Any profit the Refiners Assc may make will be "that white elephant the Battle boasts and we trust that the like may never be said of the producers" "Granting that this blunder has been made, there is still sufficient time to repair in a great measure, the mistake."

The Globe

Petrolia 1875

Nov 3rd The shipments of oil for the past three weeks are higher than they have been for a long while. The price remains the same as last published

D.M. Kennedys #2 E½ lot 5 XII started pumping as did No. 1. but settled back to a 100 bbl well. He is deepening #1. 40 ft. which will make it 400 ft. Gibson is rigging up for #2 on E½ 5 XII Callinan & Noble #2 6 XII is pumping down but is still a good well. J McD new well 6 XIII is down 300 ft Lancey #2 on 7 XII is pumping 25 bbls day. The Great Geyser is starting to pump again @ 15 bbls. Van Alstyne leased 15 ac McDougall farm 7 XII and will drill. on same farm Goodrich & McDougall @ 130 ft. Rosenburg is drilling again on 4 XIII. Coryell Bradley & Gillespies well on 4 XIII is still good well. Sanson & Slacks well on 13 XIII is down 400 ft. Corley Perkins & Co have their 100 HP Boiler operating now on Durham Creek

Nov 9th

Crude & Refined price unchanged. There is considerable withdrawal from tankage at present and good authorities say that most of it will be used in 3 or 4 months.

Rumored that a Petrolia man is buying a US refinery to move here. This should make the London refiners take notice more than they did "of a certain refinery in a neighbouring village". There are 5 refineries and the Home Oil Works running in Petrolia.

A few wells drilling in the old territories now Englehart 10 XII near Brake well. Col Shoemaker 10 XII. Denroche reequipped his old well and drilling 10 XII. Englehart new well on the Wm Mitchell farm 11 XII at 600 ft testing.

Nov 17th

Drilling quiet roads very bad.

Noble & Callinan #3 rigged up 6 XII. Gibson #2 W½ 5 XII ready drill. Rosenburg 4 XIII nearly finished. Morrow & Clive 3 XIII pulling casing (dry?). Lancey #2 - 7 XIII deepening. John McDonald 6 XIII paying well. McGarvey #1 - 7 XIII 10 bbls. Englehart 7 XIII proposes drilling 5 more wells. J C Collier #2 8 XII is down over 100 ft. Englehart 10 XIII struck big water at 600 ft packing off before testing. Col Shoemaker 10 XII drilling Englehart 10 XII McMillan territory in surface.

For several months roads impassable west of Marthavill and no oil hauled. Van Alstyne & Smith are laying pipe line from the "Great Geyser" to their tanks at the switch 12th Con. with receiving tanks at Kemlysides wells 8 XII and Montcalm wells this and Nobles & McDonalds are the only common carriers in the district. Teamsters very displeased.

Dec 14th 1875 No change in price. Shipments good but a little less than a month ago.
12th line Roads worse than ever.
Englehart McClellan well progressing. Thomaker 10 XII paying well
R S Dunlop 10 XII East of Marthaville nearly ready. Oliver Barley 6-60
nearly ready - near their old wells 8 XII J D Wright has his three
wells working very well good wells. #2 Collier 8 XII small pumper.
Goodrich McDougall 7 XIII testing fair. Johnson Reynolds
7 XIII finishing poor show. Van Alstyne #6 #3 rig 7 XII
5 down @ 400 ft. D M Kennedy #3 E½ 5 XII nearly ready
Callwan Noble #6 - 5 XIII @ 300 ft. Gibson #2 Brownley farm
5 XII @ 350. R D Noble #6 - 5 XIII @ 300 ft. Rosenbergs
run farm. 4 XIII testing. Sawyer Slack 3 XIII shot
last night. Westlin & Buchanan Cook well tested poor.

The Prince episode came a little later, in the early 70's, when the bona fide Petrolia oil development of the earlier days had reached the inevitable stage of flamboyant promotion. There were probably a number of oil promotions that, in the final analysis smelled to heaven. But Harry Prince's promotion was in a class by itself.

* * *

In the early 70s, Harry Prince was a popular figure, residing on the "Red Lion Plot" at Petrolia and famous far and near for his lavish dinner entertainments.

Harry Prince was a son of Col. John Prince, famous or notorious (according to your politics) for his part in the Battle of Windsor in the latter stages of the Rebellion of 1838. Col. Prince's troops captured some insurgent prisoners and, in the words of his terse report to the military authorities, "I ordered them to be shot and they were shot accordingly." Whether his action was right or wrong, it was effective. There were no more "Patriot" raids on the Detroit-Windsor frontier.

* * *

An account of Harry Prince's oil promotion, written a few years later, gives these details:

"He (Harry Prince) was an ex-conductor on the Great Western, where the cultivation of an 'economy' by which, within a few years from a very modest salary he managed to save $30,000 in cash, eminently fitted him to run an oil-ring. With the aid of this $30,000 he succeeded in enlisting the support of a number of influential men of the Western Peninsula, whom he induced to 'lend their names' to the enterprise, generally in consideration for a certain amount of paid-up stock in this new company.

"Having obtained the names, among others, of Sheriff Monroe, of Elgin County; the Hon. John Carling and Col. Walker, of London; and H. W. Lancey and J. H. Fairbank, extensive oil operators of Petrolia; and having secured several thousands of acres of utterly worthless 'oil lands,' scattered throughout different portions of Lambton and Kent Counties, this gentleman stocked the Western of Canada (Western of Canada Old Works and Lands Company) to a fabulous sum, and actually succeeded in selling to credulous parties in England sufficient stock to make his own cash 'earnings' (represented by his pro-rata share of 'paid-up' stock and the worthless lands he had managed to sell to the company) to exceed $200,000, with which modest sum he quietly levanted to Chicago, where he engaged in speculation, lost his ill-gotten gains, and died poor."

* * * *

Paranthetically, the Petrolia oil men were probably the first to grasp the significance of the scheme to which they had innocently lent their names, and to realize it was not a legitimate speculation but a mere promotion. They promptly repudiated and denounced the project. The contemporary report elucidates this.

"Some of the gentleman above named soon saw that Prince's manipulation would, if allowed to proceed, severely injure Canadian oil interests by thoroughly frightening all English capital henceforth away from the oil regions, and did their best to oppose the swindle, after innocently lending their names thereto; but Prince took the men sent out by English capitalists to inspect the 'Western of Canada' oil works, etc., right under his them, entertained them magnificently, showed them immense yields from worthless wells which had been connected for the occasion with other and valuable ones (in other words, 'salted,' as they say of mines), and so impressed them with the glories and profits of his scheme that he completely hoodwinked through them the capitalists they represented.

* * *

"Some of the responsible members of the Canadian Board of Directors were subsequently led to rue the day they ever lent their names to the 'Western of Canada,' having been mulcted for large sums by some of the English stockholders who instituted proceedings in the Canadian courts to recover what they had been swindled out of. It took years for the Petrolia oil interests to recover from the shock received through the disgraceful operations of the 'Western of Canada.' "

* * *

As a matter of fact, the Petrolia oil field in its early days seems to have been honorably conspicuous for the comparative fewness of dishonest promotions. There were undoubtedly legitimate speculations that turned out badly, but these an oil speculator must always reckon with. That the Western of Canada excited so much comment and indignation at the time is clear evidence it was not typical of the industry.

Petrolia 1875

The Globe Aug 31st 75 Pet Adv Aug 27th

Kennedys new well 5 XII started on Saturday to pump at 400 bbls day and has kept it up so far. This well has greatly reduced the production of Callinan & Nobles well, John McDonalds new well 6 XII and his old well on the same lot, and Beresfords old well. Callinan & Noble #2 drilling #3 located it will be near the Kennedy. Van Alstynes big well that burned down is pumping again at over 150 bbls day, will begin #2 on Monday. Drader is drilling across the road. J C Collier 3 XII is down over 300 ft. Lambers well 9 XII started pumping on Thursday at 200 bbls but settled to 100 bbls, a very good well for the old territory. Western of Canada drilling on the Chase farm. R S Dunlop is rigged up on the Webster farm.

Harry Prince

More big wells struck lately than for a long time:

The Home Oil Works and a couple of refineries are running again, the intend filling a contract for the London Refiners Assc. which will take them to about Apr 1st 1876. R A Townsends refinery at Oil Springs has 12 teams hauling oil over 10 miles from N.W. to his refinery. Eighteenth Big Still is all renovated and ready to start.

Sept 7th Pet Adv. Sept 3rd

DMK well still pumps 200 bbls. he has 2-800 bbl tanks 3-600 bbl and 1-600 building and a 4000 bbl underground half finished. Callinan & Noble #2 @ 120 ft. Mr Hibson intends drilling two wells on Brownlee farm W½ 5 XII. Morrow & Cline well on Widdes farm @ 300 ft Van Alystine #2. @ 200 ft and his "Great Geyser" still continues good. Mr Draders well 6 XIII @ 150 ft. J C Colliers well @ 400 ft with good show @ 370 ft. Western of Canada @ 400 ft with a big show. Mr Lambs new well pumping 100 bbls/day.

Sept 14th

There is a report that the London Refiners Assc is about to give up the ghost. on a/c new refineries and high rents.

J C Colliers well 6 XII had big show at 440 ft pumped off in 5 or 6 hours now dupping. Beresford well now doing better Callinan & Nobles #2 @ 200 ft. Their water well along side has 4 pumps on the walking beam water gas force & oil. It is the first one have seen with that many on in this district. Kennedy well pumping 100 bbls and still decreasing. Lancy & Co rigged up near the Great Geyser. Van Alystine #2 @ 300 ft Two rigs ready to drill one North and one East of the Great Geyser. Drader drilling E½ 6 XIII Morrow & Cline well Widdes farm nearly finished. Western Co well, Case farm ½ bbl.

Oct 5th

Callinan & Noble's well on Callinan farm started @ 300 bbls. well prob effect wells-marky. W K Gibsons well on Brownlee farm very small. Lancy #1 North of great Geyser looks small. Drader & Noble well across the road pumped off.

Oct 19th

Business as usual production and shipments 5000 bbls per wak

Frank Smith intends building a refinery in the XII Lancys new Refinery began making distillate for London Refining Co.

Englehart's new well on Mitchell farm north of King wells 30-40 bbls. starting #2. on W M Mitchell farm XIII. Considerable excitement around the Great Geyser which pumps 60 bbls. Lancy #2 is finished looks poor. "Geyser" #2 no show. Reynolds Johnson & Co well on McDougall farm east of the "great Geyser" is ready to start. McDougall & Goodrich well on McDougall farm is boring surface. John McDonald rigged up on Fairbank farm across the road from the Great Geyser. Callinan & Noble #2 is still pumping 100 bbls day and No. 1 is still paying well. D M Kennedy's #2 is drilling No 1 is now small. J McDonalds #3 near C & N #1 pumping but McD wouldnt let Ed see it.

Oct 27th

Refined 23½ car lots less 25¢ Crude outside Assc 90¢ Assc give $1.25

Ribeghini & John Anderson still experimenting on making gas from Pet.

Durham Creek area coming to life. Cooley Perkins & Co building 100 HP boiler to pump their wells on 13 IX. Western Co are cleaning out old well near Gibson well & drilling a new one 13 IX

In N.W. drilling not active roads bad water scarce. Beresford & Farr #2 on 7 XII finished good prospect. Lancy #2 lot 7 XIII 50 bbls est. Great Geyser #2 lot 7 XIII is finished and testing est 15 bbls. the original G.G. is played out. McDonald well 6 XIII is down 200 ft three other wells unfinished on 7 XIII Drader is fixing up two wells on 6 XIII will pump together they are small wells. Kennedy #2 E ¼, 5 XIII is down 350 ft. Callinan & Noble #2 6 XII still pumps 100 bbls. Noble #5 lot 5 XIII drilled into water abd. Morrow & Cline, Widdis farm 3 XIII small. Sanson & Slack drilling on Egan farm Gurd on own farm 3 XIII drilling

Petrolia 1876
The Globe

Crude 85¢ steady

Jany 18th Market still firm - Ref 23-24. The Assc will not break up. The recently built refineries were built for blackmail and will not cut prices

Crude producers are optimistic. Ed feels that if producers were stronger that they could export their surplus oil

Jany 25th

Market firm both Ref & crude

All blackmailers (newly built refineries) are pretty well settled with prospects as good as six months ago.

No new strikes in field of any account

Drilling report on about a dozen wells

Feb 15th

Market steady Ref 23 & 24 ¢ wine gal

If American market strengthens Can price will improve (apparently Canadian prices follow American prices).

Ed says an increased use of oil for making gas throughout the USA and advocates that it be used instead of coal in Canada. The Gas Light Co of Woodstock are now using oil are the first to do so.

No drilling rept

Feb. 28th

Market steady unchanged in price

Europe is not purchasing futures which shows a heavy stock of refined

March 14th

Usual falling off of market for this season noted

Price of crude & refined steady.

Woodstock is regular customer for (gas) oil and Chatham is expected to follow soon

~~Apr~~ no drilling report

Apr 18th

Market steady crude 85 cents

American market weaker but more wells drilling.

no drilling report

Apr 25th

Crude market steady at 85 cents

We believe the first sale of oil for export has been made for nearly 3 years. American market dulled

no drilling report

May 2nd

Market unchanged

Surplus crude that is pumped is being tanked

1876

May 27th from Titusville Herald

"An increasing demand + diminishing supply"

If present rate continues stock on hand will be used up in 2 years. Average yield in Pa region is now 5 1/3 bbls against 6 1/4 bbls last Dec. at that time there were 1750 wells in Butler, Clarion + Armstrong Co. prod 16,441 bbls @ 9 1/4 bbls/well on Mar 1st there were 1935 wells prod 16,188 " @ 8 1/2 " "
The remaining district are 2 1/5 bbls against 2 5/6 bbls in Dec.
In 1874 same district prod. 23 1/2 bbls/day against 8 1/2 on Mar 1st 1876
Two years ago the 4th sand bbl yielded 50 000 bbls/day. In 1875 prod 15000 and on Mar 31st 1876 - 6000 bbls
Using every means to increase the supply without success to date will require 400 new wells by midsummer to keep up to present prod.

In Europe the demand from Jany 1st to March 24th was
1874 - 341,783. 1875 - 489,263. 1876 - 607,491. In 1874 the stock on hand on May 24 '74 was 457,539 on Mar 24th '76 - 197,471. At the same time the stock on hand is greatly reduced in the U.S.A.
The total stock in U.S.A. Mar 31st 1875 was 5,989,000 on Jany 1st 1876 it was 2,957,000. The daily consumption in 1872 was 40,000 bbls in 1875 - 29 000 and est for 1876 is 33 000 bbls.

May 9th Market same as last week. Stocks begin to accumulate
Shipments - all week ending May 4th 76. Crude 782 Dist 528 Ref. 280
" " July 1st 75 to " " " 179,099 " 7069 " 13,789

July 18th Crudes firmer. Reorganization + close market not completed yet. A large qty crude sold for manufacturing for export

Aug 9th Market holding but future looks hopeless
Ed says heard of sales of crude up to $1 1/2 but firm (at 85¢?)
Refined is the weak spot. The Refiners Ring have again leased nearly all refineries but at such exorbitant terms that it must fail.
The crude producers have not been approached with, and their refinery is running. Will shortly have oil ready for market.
Mr Englehart has again started up the old Carbon Oil Co. to export oil. With his past foreign he should succeed.

Aug 27th The market is sustained. The London Oil Ref Co appear to be able to control it. The refiners are slowly bringing the producers into their refineries must take less than they anticipated
Ed feels that Canadians are not getting their share of export market and Americans are beating them out

Petrolia Globe 1876

Sept 18th The Oil Trade (Editorial)

"The recent great advance in the price of oil in the U.S.A. has given an impetus to the oil trade in this country which is likely to materially increase the revenues of the different Canadian refineries" -- "The local retail trade is in the hands of a combination of four firms in London Ontario. This combination which has been in existance for 3 yrs. secured a monopoly on the retail trade be leasing all the refineries throughout the country, which ref have been closed or left open at the will of the lessees. -- this was restricted to the retail trade, the lessors having the right to mfg for export ---. So that the profit arising from the recent advance will not be restricted to the combination, but will be participated in by all who choose to avail themselves of the improved state of the market"

"The unparalleled rise in the Amer market is believed to be due -- to a well organized movement on the part of the Standard Combination. The immediate effect of this movement was to raise the price of oil from 8 to 10¢ per gal in the NY market. The rise in Amer oil during the past year is over 100%. In Canada the advance, even including the recent rise of 2½¢ and 3¢ per gal has only been about 10% during the same period, so that our refiners -- can realize a handsome profit by exportation. -- a brisk export trade has already resulted, and it is believed that prices will range still higher. The European market just at present is somewhat irregular, but the supply there is very small, and the necessity for its rise is increasing daily -- (he expects a good European trade for the winter) There have already been several large shipments to Europe and others likely to follow ---.

Sept 19th

Can Oil Market continues very brisk and very firm and may be taken for granted will continue during the season Stock in Europe is 1/5 less than year ago so that the demand will necessarily be great. New wells are being made in Petrolia - Refiners are reopening and doing lively business The effect of the revival is largely felt in London where the Oil business has its hqtrs. Shipments are going from thence to Europe via Mont and NY.

Sept 21st

Wholesale quote Ref. by 5 bbls 34¢ single bbl 35¢

Nov 3rd as above

Dec 13th Weekly Review - Petroleum

Refined is active and firm at 47¢ gal for lots and 48¢ single barrel

These quotations are an advance of 7¢ within a few days

Dec 30 as above

Dec 19th 1876 Portland Press refers to the large quantity of petroleum which is being shipped from this port and coming from London Ontario. Shipping point has changed from NY to Portland via Grand Trunk

Dec 26th Canadian Oil Region

London Free Press reporter visited Pet. spent month investigating nearly 400 wells and presents a true report of condition. Field not playing out. Some wells pumped for 12 years are giving a fair yield while others drilled previously and shut down a/c of small wells are now operating. Prod per well compares favourably with Pa. where are yield is 4½ bbls

Daily prod	1,179	Total crude consumption	70,000 bbls/month
No pumping wells	308	Slanked at Pet	175,000
No drilling & rigged up	43	Well costs equipped	$1,300
No preparing to start	17	Wells drilling & getting ready	
Largest well in field bbls.	45	also 6 old wells preparing	45
Daily ave of wells	3-82 100 bbls.		

Lot	Con.	No wells	Daily Prod.
1	1	2	5
1	13	2	8
2	13	1	—
3	13	6	28
1	12	1	2
2	12	3	8
4	14	3	17
5	13	6	28
5	12	4	—
5	12	7	—
6	13	3	16
7	13	9	27
8	12	34	114
8	13	12	35
9	13	7	15
W½ 9	12	16	75
E½ 9	12	17	51
9	13	5	15
10	12	34	111
10	11	4	12
11	12	2	15
10	12	1	3
11	12	21	59
12	11	4	24
11	13	2	15
		206	

Lot	Con	No wells	Daily Prod.
12	13	206 3	4
13	13	2	7
12	12	5	15
12	11	11	34
13	11	9	37
13	12	4	16
14	12	4	13
10	13	10	30
12	11	3	15
13	11	14	42
13	12	2	8
12	11	1	5
Durham Creek			
14	10	4	7
14	9	5	25
14	10	5	17
13	10	3	6 * also 6 old wells clearing out
12	10	3*	9
12	9	1	3
Sundry Wells			
12	11	11	26
11	11	3	4
13	12	3	15
12	12	15	78
11	12	18	95
14	12	2	3

347

Globe Dec. 27th 1876 Circular of Rose Wilson & Rose of London

A very considerable rise in the price of petroleum took place during the week, influenced by New York & Continental advances up to last Saturday, the stock, quantity afloat and loading for the six large ports was 564,095 bbls against 738,977 bbls for the same time last year. The total deliveries for the week were 79,299 bbls against 75,702 bbls. In addition to purchases made at an outport we estimate about 3,800 bbls have been sold here during the week for shipment to the continent and more will probably follow. Cargoes are now very scarce 1/7¼ C.I.F. bid & refused for a United Kingdom one. On spot the price is 1/9½ to 1/9¾ Jany is 1/8½ Apr 1/8. The deliveries since Jany 1st have been 209,826 against 218,803 same last year.

	1876	1875
Deliveries last week petroleum oil	6 862	6 088
do naphtha " spirit	1 584	772
Stocks this day Petroleum oil	40 479	49 805
do naphtha " spirit	5 868	3 329

Canada Year Book June 30th 1876 312,000

Wells at Petrolia diminishing in volume

"A thirty barrel well is now considered a good on in the district where a few years ago wells often yielded 100 to 150 barrels daily. We do not know whether the whole extent of the Corniferous limestone has been tested and until that has been done it would be premature to ~~pronounce~~ pronounce upon the immediate future of the Petroleum Industry of Canada"

"About 450 wells are in operation yielding some 1200 bbls daily, 90 or 100 are in the course of being put down. The cost of sinking is only about ¼ of what it was formerly, and wells which took 1 to 3 months are now drilled in from 4 to 10 days. A well 480 feet deep has been drilled in 3½ days."

See report Dec 26/76 for truth

Petrolia
Dec Globe 1877

Feb 10th Western Canada Oil Lands & Works Co have rigged up the old Lavery wells 1, 2, 3. near the track. Pump one. 50 bbls. per hour. They have 2 new rigs and have completed one due East. Englehart drilling on Hilldale property struck big surface well like old Fairbank well nearby. Englehart has 2 rigs on Fish & Townsend property, making a total of 35 new rigs for E. Mr E. has bought out Crosby interest in a well just finished on lot 4 Con 13. Collier & McGarvey are down 250 ft on the Webster farm. they are rigging up on Durham Creek. Since Wilson & Co well was so good Woodward & McGarvey will drill on 3 ac at their refinery. Brader rigging up on Mrs Manthaville corner lot.

Petrolia Cons Oil & Banking Co have an underground tank near Manthaville to serve 12th line.

J Brown & Co well on W½ E½ lot 8 XII started at 500 bbls but pumped down to 7 bbls. Brake & Brown well on Lamothe farm a 5 bbl well. Brake rigged up on same lot. McMillen finished prod on 9 XIII making 4 prod. I small well on this lot. Bernsford & Clement 9 XIII are pumping 17 wells. Keenleyside 8 XIII making 9 bbls. J Garners well East end is at 290 ft now. Farley & Oliver on Lamothe farm have good well. On Col Shomaker property NW wells at 380. Hoople & McDougall 4 XIII thought had dry hole may make a well.

Banking Co paying 2½ + dividend outsiders paying 2 IV (3.15)

Feb 13th

Shipment of oil from Pet. week ending 8th inst. 9880 crude 2284 distillate and 945 bbls refined

Feb. 17.

F.A. Fitzgerald & Union Petroleum Co London supplies for lighthouses about Montreal at 25½c - 17142 gal. Quebec N.B. P.E.I. @ 36¢ - 37073½ gals and Bay of Fundy @ 27¢ - 9457½ gals - Nova Scotia @ 27¢ 47527 gals Total 111104 gals.

March 2nd

London quotes for refined fall of 1d.

Mar 5 ~~Shipment of oil from Petrolia~~

Shipments of oil from Pet last week end 1st

Crude 7326 Dist 780 bbls ref. 76 bbls

Mar 10th

Refined has dropped from 35¢ to 12½ in a few days. Excise duty of 5¢ gal repealed. Import duty reduced to 6¢ gal. (This lessens the temptation to smuggle)

During last 8 months over 100 000 bbls were exported from Canada against Amer oil Crept in Europe difference then - from 2 to 4 cents When Amer crude was 24½ to 25¢ Can crude never reached $2.50 When Can crude was for a long time 70 - 90¢ Amer was from 50¢ to 1.00 more. From Jany 74 to June 76 Can crude 2¢ gal. From Sept 76 to Feb 77 over 3 cents (approach crude & now well below 1¢)

Mar 13th Shipments of oil from Petrolia Total this year to date

		Crude	Dist	Ref	Crude	Dist	Ref
	week ending Friday 9th	6 600	868	449			
May 14th	" " Thursday 10th	2 706	726	336	122359	29905	6460
Jun 2nd	See June 2nd under Petrolia						
July 9th	" 5th	4 740	198	15	161,753	39541	7,551

Mar 23rd	Refined Wholesale Market Car lots to 10 bbls	17¢ single bbl	18¢ car lot
Apr 19th	" " " " "	15	" 17
Aug 9th		15	17
Aug 23rd		16	18
Jany 10th 78		16½	18
Jany 31 78		16	19

Petrolia 1877

The Globe May 5th The Tariff Changes

Coal Oil - Mess Graves Bros Baldwin Bros. & C S Shaw called up to give evidence

Coal Oil retailing at 35¢ gal Imp measure and 30¢ old measure

Highest price reached was 65¢ per gal.

Decline in price due to breaking up of the old ring & removal of excise duty

The Association is now endeavouring to build up trade again and to undersell both the Americans and their local competitors that are not in the ring. Coal Oil at London 12¢ gal wholesale.

May 7th Mining in Canada Annual Review for 1876

Petroleum - Year ending June 30th 1876 Crude Oil & distillate used in Canada 9,417,901 gals @ 40 gal 235,447 bbls.

Total Qty Mfgd. 4,838,215 gals

Crude sent from Petrolia est at 220,000 bbls.

It is believed that there are in Petrolia between 300 and 400 wells capable of producing oil about ½ of these were in operation last year. About 500 men employed in producing and 300 in refining oil.

Greater part of the crude is refined in London. The principal refinery is Waterman Bros.

"By the improved process of refining a perfectly colourless & thoroughly deodorized illuminating oil, standing a high fire test is now produced from our Canadian Petroleum at a price which enables it to compete in foreign markets with the best refined oils from the U.S.A.

May 14th There are in Petrolia 453 copied wells in working order 83 neglected and 119 in preparation

June 22d

Rose Wilson & Rose Lowndon (Eng?)

Petroleum oil has receded in value during the past week for all positions, consequent on lower offers from America. Spot sales are limited to immediate trade requirement which are small while for the last 4 months a large business is doing. Spot is 10 3/4 d. July Aug 11½ d Sept Dec 11 7/8 d.

Deliveries since Jany 1st 102,037 bbls against 91,177 in 1876.

Stock this day 54923 against 31,130 in 1876

June 19th

The London Oil Refining Co will commence the Mfg of paraffin wax and candles on a large scale in a day or two

1877

Oct 5th. The market not effected by the rise and subsequent decline in N.Y. Prices remain unchanged
Wells pumping 503 drilling 14 repairing 8 Total 525
Daily prod 1614 bbls. 1st Annual prod 500 000 bbls.
Great activity in refining it is hoped export may pick up.
In East Petrolia long since an important part of the field the Bennet well came in at 200 bbls

Oct 18th Toronto

Market fairly steady - a few variations
Petrolia - "Market excited during the past week owing to the general opinion entertained that the Standard Co. has purchased the Empire and Conduit Co's. with a view to the almost immediate raising the price of refined. So confident are many of the more influential producers here that but few with spare working capital care to accept present prices. The demand for crude is not excessive owing to the withdrawal of one or two of the larger buyers who have sold forwards in refined and now use their influence to "bear" the crude market. Nevertheless in the face of this, which has been going on for weeks, it has, as must have been observed, almost steadily advanced from $1.00 to $1.40 for quantities offered by the Crude Oil & Tanking Co. With great deference for the judgment of the directors of this institution, we suggest that they should exercise their influence on a few of those who have not the time at their disposal to post themselves regarding the chief features of the market which at present appears to us very simple. The chances are that we shall have a spurt of "export" this season, in which case every barrel of crude oil should be forthwith worth $2.00 per bbl. Our refined market is not glutted, altho an enormous lot of futures are sold. On the contrary much must continue to be sold during the next six months. A silent war has been waged between the London Refiners and Producers here, who struggle to cut each others throats, for the benefit of the public they so much abused last year. This may be very meritorious, but we fail to see any money in it and without any hesitation suggest that the sooner such is put an end to either by their putting their heads together, or by the intervention of a third party with capital, the better for all concerned. But for that spleen crude oil might as readily fetch $1.70 as $1.40 today, and if our friends of last year hesitate to embark on this enterprise there is good enough stuff at home to effect the object. Our stocks of crude are lighter by far than at any time for the past five years, and tanking is going a begging. Refined prices 16-18¢

EMPIRE OIL CO

Petrolia 1878
The Globe

Jany 10th

The market is quiet at last prices. Mutual Assc selling crude at $2.08 at which figure there is little profit to the producer. Producers Assc and refiners Assc are endeavouring to come to an agreement. Few small wells and plenty of dry holes

Jany 17th

Tankage is nearly full. Sales of oil at a minimum. Few strikes since last week although the drill is hard at work. The only hope of better prices is to "stop the drill" (Evidently in order to produce oil at a profit wells must be at least 5 barrels

Jany 31st

Refined market fairly active at late prices 16¢ to 19¢

Feb 7th

Mr Ribighini is in the Mutual a director at the same time his tanks have an underground connection to the Baltic tank owned by the Oil Refining Co. Ed expects the Mutual to make an explanation to the producers

Apr 4th

More confidence among producers. Some drilling activity. Ed hopes the Mutual will all sign up for another year. Our 5 bbl well drilled to many small ones. Mr Eighhart is reported to be moving his refinery to Petrolia. Prices as last quote

May 9th

"The Mutual" having been in operation for one year must be renewed, and they are having difficulty. Ed sees this as the only salvation for the industry. Little drilling now

Van Luyls new well on Durham Creek holds up at 30 bbls. Mr Calinans well. Steady at 120 bbls. and Mrs Murrays is as good as ever.

Elmore Transcript Nov 7th 1878 mentions suit against Western of Canada Oil Co an English Company

1879

No reports in the Globe

An editorial appears on June 10th that American oil is practically prohibited from coming in on a/c of the increased flash test to 130° and heavy penalties

533466 bbls american oil imported last year

Aug 11th Chas Jenkins says that there is now no "Ring" defends the Govts raising the flash point of Can oil to 130° as on American Oil. Globe says Maritimes are up in arms over the discrimination which excluded American Oil

Dec 25 1879 There is at present great activity in Petrolia, drilling activity stimulated by the advance in price. Believe oil will go to $1.25 at the new year. Touched $1.60 a few days ago. Many dry holes drilled. Price of oil in Pa is dropping now $1.13 Titusville. There is little demand for refined due to raise in price.

Globe Aug 23/79 Petrolia Topic

The market remains firm at about the same as last ~~week~~ report. 1500 bbls sold at 63 to 67 cents F.O.B. Slightly more activity has been displayed in the territory. Sales reported.

Aug	14th	100 bbls	Marthaville	60¢
"	16th	200 "	"	60¢
"	18	500 "	Co tanks Refinery	64¢
"	18	300 "	grounds tanks Rly.	62¢
"	18	400 "	" " Rly.	64¢

Sept 6th

The price of refined has been elevated by the action of the Syndicate to 9¢ per gal. It has no visible effect on the price of crude which remains at 65¢ with no apparent indication of any advance before next month. The few large strikes that have been made in the Pethole district lately have had no effect on the market save in the minds of fearsome holders of stock. At no time in the past five years has the production been so low as at present.

Shipments from Petrolia for the month of Aug. 79

Great West Rly.	Crude	20,488 bbls.	dist 910 bbls refined	2960
Can South Rly.	"	1698 "	" 1056 "	" 242
		22,186	1,966	" 3,202

Oct 18th The feeling is daily strengthening that the oil trade has commenced to ascend the hill of prosperity and all the its present progress is not particularly rapid its ultimate success --- is considered certain. The market indicates a slight advance on the figures of last week -- firm at 68-70¢. The production of the Pethole territory is decreasing several wells having dried up and the new strikes being very small. It is the opinion of several producers that the decrease in prod is general over the whole district. Operations more brisk than usual

Oct 28th. Trade improving crude 70-75¢. Prod falling off also stocks. These factors has started the drills going. The only strike of any importance is the Ralston well on the flats near Pithole said to be 75 to 80 bbls

Dec 18th 1879 The higher prices for oil and the diminished production has kept the price firm, and allowed some small producers to store their oil for higher prices.

Shipments from Petrolia

Aug	32 922	Oct	56 853
Sept	45 896	Nov.	52 415

Price for the past week $1.50 to $1.55

Oct 25th 77 Market continues steady
Petrolia market unchanged but nervous over matters of last week. Expecting activity after Standard Oil Co purchase has not yet materialized
Crude pace non $1.40 refined unchanged.

Nov 1st Advertises
Very little crude changed hands but refined futures are active. In sympathy with American oil ours has a tendency to decline but no record of sales at lower price
Refined prices as last 16 - 18¢

Nov 7th Advertisement
The Mutual Oil Assc. are prepared to sell Crude Oil FOB Petrolia for immediate or future delivery. The Assc will be responsible for bargains made by the undersigned only W H Lancey, Chairman J L Englehart. Jno McDonald, A C Edward Mgrs.
Trustees J.H. Fairbank and D.M. Kennedy - 150 member producers for a period of one year. Producer to receive 2/3 of sale price less 3¢ until price ~~reaches~~ exceeds $2.00 per barrel when a few cents will be retained for a reserve fund. The prod gets a receipt for other 1/3 which he can dispose of as he sees fit. Ed thinks all have signed. Sales are being made @ $2.00 and expect high. Assc agreed to take oil off the market for from 30 to 60 days

Nov 16
Toronto - Trade active on firm market refined 16 - 18
Petrolia - Mutual Assc working perfectly above Ed's expectations. price firm at $2.08 American prices decline while Can price advances.

Dec 6th
Petrolia - A rumor that two members of the Mutual Assc might desert under pressure of a certain Colonel who is attempting to enlist recruits. All refiners are purchasing from the Mutual excepting the London Oil Refining Co who were strong advocates of the formation of the Assc.
Prices of refined and crude steady

This is last report of the year
Lambton County Atlas 1880 says that the branch of the Canada Southern Rly was built from Oil City to Petrolia in 1877.

Proceedings of Colonel York Rgt July 1st 1878 at Aurora

From Dr Robt Bell Journ Roy Soc 1887 Sec IV

XII The Petroleum Fields of Ontario

In 1878 Mr J L Englehart -- sunk a well to a depth of 1505 feet lot 12 Con XII about 7/8 mile north of the centre of the town of Petrolea. The last 400 ft was coal & consist of gypsum and rock salt and the 500 ft just above was coal & the light colored limestone 200 ft sandy beds

Globe 1880 Petrolia

Jany 2nd The price of oil did not hit $1.75 as expected, it really eased off a bit to $1.50-1.60 Refiners are holding off on a/c of present high price hoping that the market will weaken

Jany 9th Price now $1.50 trade very dull. Producers think that price will recover as all new holes are either small prod or dry and production has fallen off greatly

The total consumption for 1879 was 435000 bbls while the prod was 30000 bbls monthly or 360000 the ballance 75000 bbls withdrawn from storage

The increase in the quantity taken for consumption is due to the increased quantity of crude required to mfg kerosene that meets the new regulations as to gravity also by the use of petroleum as a raw material for mfg gas in Toronto and other cities, and by the lessened imports of American oil consequent to meet the flash test of 130°

Feb 12th

The market for crude is unchanged and quiet. During the week about 1000 bbls sold at $1.45-1.50. It is expected that trade will improve after the 70 cent oil that is in storage is used up.

The crude and distillate & refined (reduced to crude equivalent) shipped in Jany over the G.W.Ry was 24,660
" " Can South 8,120
32,780

Feb 26th

Little movement in the oil market. Prod small and as a consequence the price is maintained. About 800 bbls were sold in tanks last week at $1.50 The oil dealers have appointed a delegate to go to Ottawa and watch an amendment to the Pet Insp Act.

Shipments during Jany were 32700 bbl
Dec 68623 "

March 18th

Trade very flat. Demand fallen off and shipments from Petrolia less. Crude has sold in small lots for $1.40. There was observed an increased activity at the wells but no big strikes

Mar 25th

Petrolia oil market still quiet. The only sale reported during the week was 200 bbls @ $1.35. No new strikes of any size. Dont expect any activity until the flash test is settled at Ottawa

Apr 1st

The market has fallen off - no demand. Last known transaction was at $1.30 F.O.B. cars. Higher prices are not looked for until the days shorten. No new "strikes"

Refined in London 11¢ in Toronto 16-17¢

The Globe

Apr 8th 1880 The oil market still is quiet for both crude and refined. Our sale @ $1.25 recorded the lowest in several months. The road expect an increase in demand if the fair test is increased thus consuming more crude.

Apr 14th Situation unchanged, unsatisfactory, no new life in the field

SHIPMENTS Jany	Feb.	March	STOCK ON HAND Jany 1st 1880	Apr 1st
32,790	16414	16047	190162	199911

Three months production 75000 bbls. Few sales at $1.25

Apr. 20th 1880. The deep well which is being drilled for J.L. Englehart, has now reached a depth of 1280 feet the last 90 feet was through pure rock salt.

Apr 27th

Road inactive, Operations neglected owing to the small demand. No new strikes. Sale recorded at $1.12½

Apr 29th

Market featureless. Demand small so is road

May 20th

The movement in Petroleum last week showed an improvement and indications are that the market will take a turn upward. Prices are from $1.15 to $1.20 per barrel.

Shipments from Petrolia April 14 22 bbls
March 16 047
Feb 16 414
Stock on hand May 1st 220 689

June 3rd

Little change in the market since last rept, the road evidently believing in higher prices. The demand is slightly better but sales are in small lots $1.20 in tank. Drilling a little more active due to two good strikes outside the limits set for the field

Imperial Oil Co Capital $500,000 formed of a consolidation of companies

June 10th

Demand for crude has improved bids of $1.30 in tanks refused. No new strikes have been made and flash raised to 115° F both are hoped to effect a raise in the market.

Total crude equivalent May 14893

Petrolia 1880

Globe June 17th 1880 Price of crude firmer owing to improved demand $1.35 in tank. Operations brisk

June 24th

Considerable excitement in the field over the advance in prices. Small lots sell at $1.50 Drilling active and a few "strikes" made

Imp Oil have advanced price of refined from 13½ cents to 16½ cents Toronto 18 cents

July 1st 1880

Steady demand for crude in small quantities in Petrolia prices firm @ $1.45 & $1.52 in tank. Most sales are by small holders who are pressed for money. Drilling continues but no "strikes" are being made

July 8th

Trade quiet holders of crude asking above $1.50 which buyers refuse to pay. Raise in price in U.S.A. encourages the prod to hold off. Drilling active but no "strikes"

Refined quoted @ 1½ ¢ higher today. Single bbls 20¢ 5 to 10 bbls 19½. London & Petrolia 16½ cents

July 15th

Same as last week

July 22nd Producers are uneasy Combination of refiners have absolute controll and are dictating terms

Prices all steady

July 29th

Greater demand last week for crude several large lots sold for $1.50 and 2000 bbls Sepr sold at $1.55 Drilling very lively with no big wells

Aug 5th

Oil beginning to move at higher prices $1.52 to $1.55 in tanks while efforts to increase production have been unsatisfactory. A large number of wells are being drilled which causes some activity but they are small and people think that the field is playing out.

Refined market unchanged

Aug 12th

Price of crude firm. Prod is up

Refined up 21½ for 5 to 10 bbl lots 21 ¢ for single bbls Toronto

Aug 19

Same as last

Aug 26th - Altho the crude market is not active prod feet that the price will improve for new fire test only 17 gals refined from 42 gal crude in old fire test 21:42. Crude at Petrolia quoted $1.60

Imp Oil buying up the small refiners. Refined advanced 22½ ¢ for 5-10 bbl 23 ¢ single bbls

1880 County Atlas Lambton says - 600 wells in Petrolia the best of which pumps 30 bbls/day. The majority do not exceed 2 bbls and many less. 1200 to 1500 bbls day for the district

Sept 2nd Crude quoted at $1.50 to $1.60 in tanks Refined steady at last quote
Sept 9th Demand moderate at $1.58 in tanks do do
" 16th Market firm @ 1.58 to 1.60 in tank
A number of small wells drilled. Aug shipments Bal 50845 and they exceed July.
Refined advanced in London to 22¢ Toronto 24¢ 5-10 bbls 25¢ single bbl.

Sept 23rd
Private sales in Petrolia @ $2.00 few sales. prod small demand for refined brisk. 27-27½ for 5-10 bbls 28¢ single bbls
Petrolia refined 25¢ on cars

Sept 30th
Small demand for crude. Drilling continues with few good wells
Refined as last quote

Oct 7th
Crude very active at $2.00 with Dec deliveries quoted @ $2.25
Refined Car lots 27¢ 5-10 bbl lots 28¢ single bbls 29¢

Oct 14th
Crude market good at $2.10 in tanks. Production is down.
Drilling very active but many dry holes
Sept shipments of refined (crude equiv) 54832

Oct 21st
Buyers are afraid of high prices which are up one cent over last week 28 - 29 and 30 ¢

Oct 28th
Same as last week

Nov 4th
Refined is active crude slow prices as last week

Nov 11th
Crude market dull at 2.05 to 2.10. Refineries running to full capacity. Shipments of crude (equiv) Oct 54282

Nov 18th
Trade slow due to sent drop in price of crude $2.00 to $2.05.
Refined prices Car - 26¢ 5-10 bbls 27¢ one bbls 28¢

Nov 25th
Dec 2nd Demand slack refined supply better as refinery capacity increases
Dec 9th do 5 to 10 bbl lots now 25¢ one bbl 26¢ no car lot sales. Crude $2.05
" 16th do

Dec 23rd Fair business brisk in refined. Crude quiet in Petrolia some forced to sell at $1.80 holders asking $2.00

Dec 30th
Fairly active market at same prices
Crude $1.80 to 2.00

Globe Sept 10th 81 Refined oil shipped from Petrolia in 1880 = 78990
a crude equivalent 236943 plus crude shipped
208632 = 445578 bbls

Copied

Jany to April on opposite side of page

Petroleum 1881 from the Globe

1881

April 7th. No change in refined and will be dull for some time
Crude market firm operations backward due to bad weather. Drilling shows no strikes

Apr. 14th
" 21st Market quiet for refined at 22½/23¢ Toronto
" 28th Crude market strong at $1.70 in tank few sales

May 5th
" 12th Refined prices steady small quantities 22½ cent
" 19th Crude prices easier at 1.60 to 1.65
" 26

June 2nd Demand for refined small at irregular prices 1 bbl. 22¢
Crude quoted at 1.65 1.70

June 9th
Refined down barrel lots @ 20¢ Crude 1.60 1.65 in tank
June 23rd Crude quote 1.70
" 30th do.
July 14th do
" 21st

The present quotation of crude is relatively higher than that of refined and dealers now refuse to sell under 21 cents for barrel lots. The cost of manufacture is now about 19¢ at Petrolia to which is added 1¼¢ freight a total of 20¼ cents. It will thus be seen that at 21¢ their dealer makes little profit. Expense of handling and other items (evaporation) have to be added to the 20¼¢.

Crude producers are certain that prices will advance and are holding. Quote now 1.72 1.75 in tank.

July 28th As above
Aug 4th
Bbls refined 21¢ Crude 1.80
Aug 11th Improved tone in refined at 22¢ Crude same
" 18th do
Sept 2nd Article on Petrolia Oil Fields in the Globe
About 1600 derricks in the field 200 drillers
Sept 3rd

Of recent wells the Lawyer well at Marthaville at 90 bbls/day is the largest. There is the sponge rock area and the hard rock area Marthaville is a sponge rock area while all around is a hard rock area
A well costs about $700

The Globe Petroleum 1881
weekly reports

Jany 6th 1881 Market only fairly active
Refined in large lots 24½ small 25¢
Crude is also inactive at $1.80 $2.00 (nominally)

Jany 13th
Fair movement in refined at 24–25¢ Toronto. In Petrolia 21½ to 23¢.
Crude is quoted $1.80/1.90. The scarcity of water has retarded drilling but there is still activity

Jany 20th as last report
" 27 do

Feb 3rd
Refined as last week. Crude dropped to $1.40 $1.50

Feb 10th
Fairly active market at steady prices $1.50/1.55
Refined in Toronto 25¢/24¢/23¢
Drilling & pumping somewhat restricted by the severe weather

Feb 17th
Refined not as active as last week at same prices
Crude sales slow producers holding for better prices. Have large stocks on hand a few sales at $1.50
"Anxiously waiting for the action of Parliament on the coal oil question"

Feb 24th
March 3rd Refined little demand mostly small lots @ 24¢ large 23¢
Petrolia reports a quiet market @ 1.40 1.50

Mar 10th
Mar 17th Feeling of improvement all around all the market quiet refined steady but crude advanced to $1.50/1.55 in tanks

Mar 24th
The demand for refined keeps good for the season and prices firm. The change of gravity saves 6% to the refiner, instead of depressing the market has shown an improvement. This may be owing to the control of the crude market by a few operators who are also refiners. Crude steady at 1.50 to 1.55

Mar 31st
A moderate trade with complaints of price cutting in the city Toronto quotes 22½/23¢ Petrolia crude market active at $1.65 high. Producers are confident of higher prices – one man refused $1.75 for his yield until Jany 1st.
Oil Springs prospects indicate a lively summer in drilling operations

Sept 8th Refined market firm at 23/23½ Crude quiet but firm at 1.90 – 2.00 Sept 15th $2.00 Refin 24/23½

The Globe 1881

SEE PRINTED COPY

Sept 5th. Article IV on Petrolia Oil Field. Special Correspond

On one lot 18 wells operated by one engine the most are 22. Use wood and gas for raising steam for 6 H.P. engine. Can produce oil profitably for $1.00 per barrel. There are 1600 wells producing now an average of 1½ to 2 bbls per day.

Workmen will own a well or two and combine to pump them or pay a well rate to hook on to some ones jerker line.

Oil is hauled by tank wagon or through collecting lines. Tanks are of steel and hold about 60 bbls (?) Pipe lines extend six miles from Petrolia and total about 24 miles in length. The Petrolia Tanking Co has one of its tanks beyond Marthaville from where it pumps to Petrolia.

There are 128 Tank Cars mostly owned by the G.W. Rly a few by refiners they hold on an average 67 bbls (?) Most of these cars are just plain boilers but those made by John McMillan of Kingston are handsomely painted.

Crude over the Rly goes mostly to London but a small quantity goes to Wyoming Ingersoll Ottawa & Montreal

Sept 10th 81

At Petrolia there are 6 refineries in operation

	Capital	Employees	Wages week	Acreage Covered
Imperial Consumers Petrolia Oil Coys John McMillan Lindsay Harley & Co P. Gleason & Co	450000	100	10000	50

60 stills capacity 10000 gals.

One barrel of refined is obtained from 3 bbls crude

Remainder of Globe items in 1881 and all of 1882-1883 and 1884 is limited to trade and prices which will be found under these headings

Glencoe Transcript Nov 16th 1892

All matters in Petrolia have taken a sudden upward spring upwards in sympathy with the Pennsyl market and producers are looking forward to $2.00 per barrel in the near future — The Petrolea men have organized an Art Exchange

Petrolia on Friday evening while in discharge of his duties as Manager of Consumers Oil Refinery Co Wm A.C. Johnson fell into a still at the Refinery and was scalded very badly. He died shortly after.

Robt Bell Trans Roy Soc. 1887
H Kerr gave him the Fractions received from Crude:

Naptha (sic)	7.72
Burning oil (Gas Stove)	49.50
Gas Oil	14.76
Lubricating Oil	9.65
Intermediate oil	4.00
Paraffin Wax	1.41
Hard Coke	3.75
Soft Coke & Waste	9.23
	100.00

In 1886 there were 75 pumping engines each pumping 35 wells average
Ave H.P. 15 Total H.P. 1350
30 engines of 15 H.P. drilling and another 30 engines of 40 H.P.
2000 men employed in Refining shops cooperage mills etc
2000 men and boys employed in prod. at $1.50 & $2.00
Labourers $1.25 & $1.50 per day

Brunnell says E&C. 1890
3000 producing wells in Petrolia & Oil Springs
(which looks like an underestimate unless there were as many idle)

Petrolia Topic Mar 1st 1892

	Oil wells producing
Petrolia	3625
Oil Springs	1553
Enniskillen	107
Moore	70
Total Dec 1st 1891	5354

Petrolia

Donal McLeod West Lum paper in 1936
says Branch line Can Southern built from Oil City to O.S.
ain Jas. Kerr says branch from Oil City to Petrolia
built in 1875

Petrolia Topic March 1st 1892
"At Oil Springs the oil is struck at 370 feet or 100 ft less than in Petrolia.
From July 1st 1887 to July 1st 1888, 240 wells were put down in this district and at the later date the number in

G.S.C. Statistics 1891 H.P.H. Brumell
The Petrolia Topic gives producing wells in Petrolia area 5,335 Oil Springs 1553 Moore 70 Sarnia 187. The usual number of wells were abandoned and new ones drilled to replace them

5 Thomas Times Apr. 9th 91. — Petrolia April 8th
At 6:15 this evening an explosion occured at Bradleys glycerine works about 1/2 mile from the town towards Marthaville. How the explosion occured will never be known as the three men Albert Bradley, James Chambers, and D McDermaid were instantly killed --- The 5 acres is covered with bits of bone and flesh of the three killed. Where the building stood is marked by a hole 15 feet deep and 30 feet across, caused by the explosion of 30 quarts of nitroglycerine
April 10th The coroner recommended that none but experienced men be allowed to handle nitroglycerine in future

Petrolia Advertiser Topic Oct 17th 1890. Wells in Petrolia district usually pump from 1/2 to 3/4 barrel each day
Oct 31st 1890 One important well struck by Saml Stokes 40 bbls/day

Glencoe Transcript Feby 7th 1895
"During the past year the total output of crude oil from Petrolia amounted to 1,078,826 barrels"

Ont Bur Mines 1896 p. 26 25

"In the early days of the industry many wells were abandoned which now would be regarded as first class yielders; and as none of these wells were plugged, the gas was allowed to escape freely, the result of which has been, in the opinion of some careful observers, a reduction in pressure upon the oil held in the rock and a consequent falling off in the daily production. New wells average 1 to 1½ barrels day for a month or six weeks when they gradually fall off to a rate of 8 to 10 barrels/month. But there are exceptions. In July 1873 W.K. Gibson drilled a well on a 5 acre lot on Durham Creek lot 14 Con X Enniskillen which for a long time pumped 40 to 50 barrels per day and after a period of two years he was shipping from it 900 barrels per month. In 1890 when Mr Gibson sold the property this well was producing 105 barrels per month.

The Barnes well on 48 acres lot 9 Con XIV was bored in June 1893 initial 75 barrels/day. In May 1895 the property was bought by John Fraser and he informs me that the yield of two wells is now 550 barrels per month. ---"

St Thomas Times Mar 24th 1893
The people of Petrolia are rejoicing that the old days of oil gushers are back again. A week ago Mr S Stokes struck a well that pumps a good 20 bbls and last Thursday Mr W.C. McKenzie struck a well at the west end that throws oil over the derrick and is now pumping of 25 bbls/day.

Kingsville Reporter Apr 3rd 1896
An explosion of Nitro Glycerine at Petrolia wrecked Coreys factory and blew John Owen & Wm Huggard to atoms.

Do Jany 1st 1897
Water from Lake Huron was turned into the water mains of Petrolia today.

Aug 8th 1890 Pet Advertiser - Topic
Unusual activity in drilling (price $1.31½). New well near Marthaville on the property of the late Elijah Coryell. Mr Parks purchased 2 acres drilled 4 wells, 1 ordinary and 1 good. This supposed to have caused reduction in oil prices

Aug 15th 1890 - Drilling steady but total production the same as each new well decreases oil flowing from other wells.

Aug 29th Still drilling no appreciable oil increase. Tanking Co-say that they have shipped more oil to refineries than they received from producers this month.

Sept 12th Falling off in crude market due to producers speculation. Sell oil as soon as produced (See reverse side of leaf for more)

Petrolia.
~~Oil Springs~~

BUREAU OF MINES 1895 Page 25

On 30th September last year, Mr. Noble informs me, the total number of wells in the Petrolia field was 6,787. Four years ago the number was 3,535.

The contract price for drilling wells in the Petrolia field is about $110, the oil being usually reached at 460 to 465 feet. Forty sets of tools were running last year in the territory, much greater activity having been shown since the price of crude has gone up. One rig, working in day time only, will complete a well in two weeks, and the average number of wells drilled is abou 80 per month. About 100 wells are abandoned every year, but this is owing to local obstructions and not to failure of oil, it being found cheaper to drill a new well than toclean out an old one. In the early days of the industry many wells were abandoned which now would be regarded as first class yielders and as none of these wells were plugged the gas was allowed to escape freely, the result of which has been, in the opinion of some careful observers, a reduction of pressure upon the oil held in the rock and a consequent falling off in the daily production. New wells will average ~~to~~ 1 to 1½ barrels per day for a month or six weeks, when they gradually fall off to a rate of 8 to 10 barrels per month. But there are exceptions. In July, 1873, Mr. W. K. Gibson drilled a well upon a five acre lot on Durham creek, lot 14 in the tenth concession of Enniskillen, which for a long time pumped 40 to 50 barrels per day, and after a period of two years he was shipping from it 900 barrels per month. In 1890, when Mr. Gibson sold the property, this well was producing 105 barrels per month, and he states that the present yield is 75 barrels per month. The Barnes wells, which occupy 48 ACRES of lot 9 in the fourteenth concession of Enniskillen, were bored in June, 1893, and began with a yield of 75 barrels per day. In May, 1895, the property was purchased by Mr. John Fraser, and he informs me that the yield of the two wells is now 550 barrels per month. It is Mr. Englehart's believe that if wells were bored down to reach the Trenton formation oil would be struck to rivalthat of the Ohio fields. In 1881 his company sunk one well to a depth of 1,505 feet, but abandoned the work before reaching the Trenton. Salt was struck at 1,087 feet, and the drill went through three or four beds until at 1,380 or 1,390 feet it reached one of pure solid dalt, continuous to 1,505 feet without getting through it.

PETROLIA

Advocate Transcript Nov 3rd 1887

"The cooper shop belonging to the Imperial Oil Co at Petrolia was totally destroyed by fire Saturday AM loss about $3000 fully covered by insurance."

Extracts from Petrolia Advertiser

1890

June 13th 1890 American Syndicate from Cleveland purchased Producers Refinery, price $25000 also $25 000 for crude stock. They will use new stills, discarding de lead treatment with oxygen being forced through iron filings placed in the still.

July 11th 1890 General tone of business quiet. Imperial Oil & American Co. are getting refineries ready for fall work. Imperial erected three buildings for manufacture of Paraffine candles etc. American installed new drainage system.

July 18th All oil refineries working full blast.

July 25th Premier Oil Co Incorp. Canadian Charter Capital $150 000 1500 shares @ $100 each. Chiefly Americans with Robt E Menzies of Petrolia and some other Canadians.

Aug 8th Unusual activity in drilling. Price has advanced 22 cents since June to $1.37 at Petrolia. New well near Marthaville on late Elijah Caswell. Mr Parks purchased 2 acres drilling 4 wells - 1 ordinary - one good. This supposed to have caused the reduction in price to $1.31½ this week

Aug 15th Prices steadied at $1.33½ to $1.35½. Drilling steady Sarnia Oil Co shut down sold off empty barrels. discharged union. cannot compete with Petrolia refiners in open market.

Aug 29th Still drilling with no appreciable total oil increase Tanking Co says that they have shipped out more oil to refineries than they received from producers for this month.

Sept 12th Falling off in crude oil market due to producers speculation They sell oil as soon as produced. Think refined price to increase Price dropped to $1.30.

Mr R.G. McConnell. G.S.C. in Athabasca district estimates greater area of oil there than anywhere in the world

Sept 26th Premier Oil Co to commence operations next week in their immense works.

Oct 3rd Fire in McMillan & Kittredge Co Refinery last Saturday at 7.30 P.M. damage $150 - cause spark from smoke stack.

Oct 10th During winter Oil Springs (Ont shows) oil used mainly as lubricating oil on Railways, so a greater difference in price is to be expected. less paraffine than in Petrolia Oil.

1890 Petrolea Advertiser (Cont'd)

Oct 17th Beggs buying for day to day supply. Wells in Petrolia district usually pump from ½ to ¾ bbls per day. Stocks low and 1000 bbls over present production to meet requirements.

Oct 31st One important well struck by Samuel Stokes 40 bbls flow

Nov 28th Price crude Petrolia $1.35 up 5 cents in two weeks

Dec 12th Imperial Oil Co. Construction of enormous works on 50 acres of land Aberarmond large paraffine works from London to Petrolea on west side. Crude $1.38

Dec 24th Exchequer Court in Ottawa awarded to Vacuum Oil Co $4,941 with costs. Company recovered virtually all of the $5000 deposit paid in 1885

PETROLIA

Gleaner Transcript March 10th 96

"Jas Savage engr on the Evening Oil wells at Petrolia dropped dead from heart disease on Saturday"

do March 26 1896

"On Monday at Coreys Torpedo works Petrolia, two men John Owens & Wm Haggard were thawing out glycerine and it is generally supposed that they must have let some of the glycerine drop. The building was completely wrecked and Owens & Haggard were blown to pieces ---"

In 1896 Petrolia built a 16 mile water line to Lake Huron at a cost of $300000. In 1923 a standpipe was installed four miles south of the town on the watershed water feeds the town from the standpipe by gravity Cost awarded $31000.

PETROLIA

Kingsville Reporter Mar 16th 99

The Imperial Oil Co are slowly but surely closing out their business in Petrolia. The Standard Oil Co are slowly but carrying out their schemes faithfully

The average yield of oil per well in Petrolia is less than ½ barrel per day. Of course there are several thousand wells but the average is somewhat low.

Kingsville Reporter Dec 29th 1904 Petrolia.

Biggest oil deal in years completed here when Dr. H. Wilkinson and John McCart sold 27½ acres to New York interests

London Free Press March 25th 1870. Fresh oil from wells $1.00 to 1.25 oil in storage 2 years $1.25 and in demand at that price. Yankees holding out for $2.50 - $3.00

Of 30 wells drilled in Petrolea 17 are producers and 13 non-producers. Several wells just finished but none good enough to keep. Only drilling interest is in the new territory to the west. In the King territory one man flooded the field by dropping an old well into water, but it was successfully plugged off. McDougall & Blackburn ?

Wheatley Journal Nov 23rd 1899

A bylaw carried almost unanimously at Petrolia to put down a deep well in the hope of getting oil or gas. A depth of 3000 ft may be drilled

SARNIA
Chatham Planet May 6th 98 from Sarnia Canadian
Mr McFall of Ohio & Pennsylvania Oil Devm Co
reports a strike of oil on Geo Knight farm lot 1 Con VI
Sarnia Twp. At 494 ft. struck a huge flow of gas
which after a week or so turned to water and about
10 days ago oil & water mixed flowed. No definate
report on oil but 20 bbls is conservative. Gas
flow so mixes the oil & water that it does not separate
readily. Forty barrels was dipped out of a depression in the
ground and ditches carry away large quantities. The
flow of water is so great that the thirty barrel tanks
on the property fill before separation takes place
a 500 bbl tank is being built
"A singular circumstance is that the Knight
well has completely taken away the gas from the big
gas well on the Milner farm struck last fall
by Brewer & Stokes

MOORE Chatham Planet May 20th 06
Wm Miller struck a well on his farm 6th & 7th sidroad
Con XII Moore It is good for 30 bbls day

- PETROLIA

Ont Bureau Mines, Vol V. 1895 p. 25-26

"Mr Noble states that in Sept last (1894) the number of wells in the Petrolia field 6787. Four years ago (1890) the number was 3535"

"Contract price for a well at Petrolia is about $110, the oil being reached at 460-465 feet. Forty strings of tools were running. Running day tour only can finish a well in two weeks. Drilling now about 80 wells per month. About 100 wells were abandoned every year owing to local ("caving") obstructions and not through failure of oil. It is found cheaper to drill new wells than to clean out the old ones. In the early days of the industry many wells were abandoned which would now be considered as first class producers. As none of these were plugged the gas was allowed to escape freely, the result has been that pressure in the oil rock has been reduced and the consequent falling off of production. New wells will average 1 to 1½ barrels per day for six weeks when they gradually fall off to rate of 8 to 10 barrels per month. But there are exceptions. In July, 1873, Mr W.K. Gibson drilled a well in a 5 acre lot on Durham Creek lot 11 Con X Enniskillen which for a long time pumped 40 to 50 barrels/day and after a period he was shipping from it 900 bbls month. In 1890 he was shipping 105 bbls month and does at present shipping 75 bbls/month. The Barnes well - 48 ac lot 9 Con XIV Enniskillen Dep. drilled in June 1893. prod 75 bbls/day. In May 1895 this and another well marked 550 bbls/month.

BUREAU OF MINES REPORT 1899

Statistics Petroleum, ~~Natural Gas and Carbide~~

These three products come under the same general class. The petroleum industry of the country is now practically controlled by one corporation, which is understood to be a branch of the Standard Oil Company. The result of the first year's operations shows a considerable falling off in quantities and values, the crude oil being less than in the previous year by 3,363,010 gallons, and the total value of refined products less by $223,182. But the percentage of illuminating oil distilled by the crude continues to show steady improvement, it having risen from 38.67 p. c. in 1892 to 45.52 in 1898 and 49.53 p. c. in 1899. The percentage of lubricating oil is more than 4 p. c. less than in 1892 and about the same as in the three years preceding last year. But on the other hand the percentage of all other oils has fallen from the average of the three years to the rate of 1892, being 28.8 per cent. The producing area continues to be about the same as in 1898, and no important new strikes have been reported.

During 1899 there were bored in the two natural gas fields of the Province 35 new wells, 28 of which proved to be producers. The total numbe of producing wells in the year was 150, being 8 more than in 1898, and the length of pipe for the delivery of gas was 341½ miles or an increase of 26¼ miles. The number of men employed in the industry was 95, the amount of wages paid for labor was $40,149 and the value of product $440,904. In 1898 the amount of wages was #31,457 and the value of product #301,599. The companies paid to the Provincial government last year under the provisions of 62 V c 8, an aggregate of ~~XXXXXX~~ $9,362.93.

Chamiswell Herald Jany 19th 1900

The deep well at Petrolia a now down 700 ft

History Oil

Refining

A feature of the industry last year was the revival of the business of refining at Petrolea. One result of the consolidation of the oil interests in the hands of the Imperial Oil Company four years ago was the closing of the refineries in Petrolea and the opening of an establishment at Sarnia at which all the refining has since been done. It has been found that the economic methods necessary in selling petroleum products call for special plant equipments at suitable distributing points, with power to handle every product freely in bulk, which must be controlled by the refining interests. Some of the so-called independent concerns in the United States had developed a trading system in Canada, and Canadian products being called for a refinery had to be erected. An up-to-date plant has therefore been put up at Petrolea on the site of on which was operated years ago. The owners are the Canadian Oil Refining Company, whose headquarters are at Hamilton. All the products will be manufactured that modern science has shown can be taken out of crude petroleum.

History Refining

This is very garbled and evidentally an accurate copy

BUREAU OF MINES 1901

PETROLIA

Production

Mr. Charles Jenkins, president of the Petrolea Crude Oil and Tanking Company, Limited, who has had long experience in the Ontario oil fields and is thoroughly informed on all movements of the industry, states that from a variety of causes a demand from gass and fuel men came straight on the crude last year, and more shipments of crude oil as such were made in 1901 for these purposes than ever before. This quantity from his actual knowledge was not less than 100,000 barrels. Speaking of developments in the oil trade, Mr. Jenkins say that decided changes have been made in the commercial grading of crude oil as well as in the processes of refining since the great refining consolidation took place in 1898. More rigid conditions are now applied to the estimation of extraneous matter such as water and decomposed rock, etc., held in frost-pumped crude than was possible where a number of competing buyers were after it all the time, and this in turn has led to a larger percentage of oil products being taken out of a specific quantity of crude than formerly. Then, the varieties of crude oil produced in the United States brought about a development of uses for light production, and fractional distillation was carried to a point not commercially practicable then in Canada. The uses spread, however, and the demand for gasolines and benzines increased very largely here. Our refiners then had been adapting themselves to the altering conditions, but the change was at once made up to date when the one refinery absored all the others. The gain in the lighter productions and burning oils is offset by the decline in gas oils and tar, but there is a positive gain beyond that. The refining process as carried on in this Province now is said to take 98 per cent. out of the crude; formerly to obtain as much as 94 per cent. was looked upon as good work. The difference is won by complete condensing power, and the fractional distillation possible by steam.

In Mr. Jenkins' opinion the natural time for oil statistics to be taken is 30th June which is the end of the oil year. Circumstances are apt to cause differences from year to year in figures collected as of 31st December. A cold snap, for instance, will keep back from delivery accurate account of production 30,000 to 50,000barrels at any time, and stocks at the wells have to be reckoned on before an accurate account of production can be given. It must be admitted, however, that the aggregate yield of crude oil is falling off, but in a perfectly natural way. All the world

Hesketh

over, when a field is throughly defined and worked, the percentage of yeidl begins to decline. In Ontario no additions were made in the working territory in 1901, and it may be estimated under these circumstances that there is an average yearly decline of about five per cent. Several times during 1901 it seemed likely that a clear addition would be made to the producing territory, but the reports of new strikes were not confirmed. Mr, Jenkins says: "They will come yet. When I came here, it was in this vicinity alone that oil was pumped. Since then it spread out through a large part of Enniskillen and well up in the townships of Sarnia and Plymption. Oil Springs was revived, Bothwell revived, Dawn, Euphemia and Dutton discovered, and one of these days we will have another, for as it has been, so it shall be."

Dalsdin Times July 25th 1901 Petrolia Topic

Petrolia is to have a new Refinery. When the Refineries were taken away from here a few years ago, it struck us from a hard blow - a new one will be welcomed

Glencoe Transcript Feby 6th 1902

The Petrolia Topic has issuing a special edition giving a brief account of the history of the town and its oil producing industry

PETROLEUM - 1903

Petroleum, of which the Lambton county oil district remains the chief source, is steadily declining in yield. Compard with 1902, the production of crude in 1903 was 1,545,254 Imperial gallons less, and with 1901 4,793,162 Imperial gallons less. The progressive shrinkage is plainly evident from a glance at ehe statistics of production for the last ten years:

Year	Imp. Gallons
1894	34,912,360
1895	33,351,997
1896	27,380,588
1897	25,556,591
1898	26,978,977
1899	23,615,967
1900	23,381,783
1901	21,433,500
1902	18,185,592
1903	16,640,338

As compared with 1894, the yield has therefore fallen off over 52 per cent., yet the number of wells pumping. oil in the Petrolia and Oil Springs fields is probably as great as it ever was. The reduction has been brought about, not by the sudden cessation of oil in any particular portion or portions of the territory, but by a gradual and apparently accelerating diminution in the yield of oil per well. In fact, the oil producing territory of Ontario is unique in the small individual production of its wells, and in the tenacity with which it is worked. Had it been situated in almost any other part of the world it would probably have been abandoned some years ago, but by the use of economical methods its life is prolonged; indeed, the very smallness of the flow and the gradual nature of the process of exhaustion guarantee its existence for a considerable time to come. Additional vitality was given the oil territory of the Province last year by the high prices prevailing for crude, the year closing with a market value of $2.32 per barrel. At this rate the total value of the crude product of the year was $1,103,016, while in 1899 when the closing price was $1.40 per barrel, the total value of crude produced, figured on this basis was only $944,637, notwithstanding that the quantity was 6,975,629 gallons more. It is clear therefore that price is an important factor in preserving the oil territory of Ontario in production.

Formerly, practically the whole of the crude product of Ontario went to the refining works for distillation, but of late years a considerable and increasing proportion has been used for fuel purposes and in the manufacture of gas. Last year about 2,176,090 Imperial gallons is estimated to have been diverted from the refineries for uses of this sort, or over one-eighth of the total quantity. Even if the refineries had received the whole of the crude produced, there would still have been insufficient to supply the wnats of the home market, if it can be held that all parts of the Dominion of Canada ought of right to constitute the marked for the refined oils of Ontario. The

Practically the whole of the above came from the United States. These statistics are sufficient to show how far the Canadian consumption of oil and oil products is being met by Ontario Petroleum.

The refining facilities of the two plants in the Province, those of the Imperial Oil Company at Sarnia, and the Canadian Oil Refining Company at Petrolea, are more than adequate for the entire crude product, and under these circumstances it is not to be wondered at that a strong local agitation has sprung up in favor of reducing the import duty on crude petroleum from five cents per gallon to say two cents. This, it is contended, would enable the refineries to supply themselves with the raw material to keep their plants employed, without injuring the producer of crude in Ontario, as the latter would have the advantage which the freight from Pennsylvania or Ohio would give him with the addition of two cents per gallon duty. Besides, it is argued, if the refineries are unable to obtain sufficient crude oil to warrant them in keeping their stills in profitable operation, and are obliged to close their doors, the market for Ontario crude will be gone, and the producer will not be able to sell at all. These views, it is needless to say, are not shared by all oil-well owners, some of whom fear a flood of crude petroleum from south of the line which would speedily put an end to their industry and are reluctant to relinquish the benefits which are conferred upon them by the present tariff protection.

" Dresden Times Jany 21st 1904

Petrolia crude oil producers are in two camps now one wants duty on crude reduced from 5¢ to 2¢ though both want duty on refined kept at .5¢ gas The reason is - lack of Ont crude to supply the demand.

Glencoe Transcript March 17th 1904

About 30 oil producers met at Petrolia recently for the purpose of forming a Canadian Crude Oil Producers Assc. A committee of five - Geo Parratt. H Braker Jas McCort Wm Gleeson and A C Edward were appointed to select a committee of fifteen whose duty it should be to draft a constitution appoint officers and perfect the organization"

Glencoe Transcript Apr. 6th 05

"A L McPherson and W J Henderson of Brantford of the Beaver Oil Co purchased the Petrolia Torpedo Co and the Moore Oil Co (Thos Johnson) This gives the Beaver the 600 acres on the south side of Con X 5 miles to the west of town where several large wells have been struck during the past nine months -- "

Chatham Planet Feby 18th 1909 At the annual meeting of the Ontario Torpedo Co at Petrolia the following officers were elected. Pres Wm Lawrey V.Pres. Geo G. Montcrieff Sec'y Treas B.B. Van Tuyl.

Do Apr 6th 1914

The Big gas strike by Dr Fairbank at Oil Springs has started interest in Petrolia. Mr A C Edward is putting oil wells in motion once more. His drillers have already gone down to 700 ft in a few days drilling. Mr John Kerr has resumed his well on Queen Street but not any new ones. Various other wells are pumping that had been abandoned as no good

Wheatley Journal May 15th 1902 Canadian Oil Fields Ltd

1902 The Petrolia Crude Oil & Tanking Company has sold out its interests in the Petrolia Oil Springs and Dawn field, pumping stations and producing properties to the Canadian Oil Fields Ltd. This English Co has bought ~~the Jen~~ Mr Jenkins Oil Springs property and is negotiating for several other producing properties. The Englishmen are here for business

PETROLIA

Chatham Planet Oct 17th 1907

Petrolia Works Co manufacturers of Nitro Glyc have a factory and Magazine on the 12th line. 400 qts of N.G exploded at 3 45 this morning. Completely wrecking everything on the premises and some nearby houses

Do Nov 30th 1907 A man named W H Sweeny fell into a tank of oil at Star Co's oil wells and was drowned at Petrolia

Do Dec 14th 1907

Do July 24th 1908. The Tilbury oil field produced more oil from 250 wells than the Petrolia field with 6500 wells

Glencoe Transcript Dec 15th 1910

Mr J C Englehart Chair T&N.O. Ry. has donated his Petrolia residence to the town for a hospital. 30 acres of ground and $5000 to renovate the house etc It is valued at $50,000

Dresden Times Oct 23rd 1913.

The new oil pipe line between the Refinery in Sarnia and the Lima oil field in Ohio has been completed. It is 154 miles long and is 6 inch diam.

Dresden Times Apr 24th 1913

Petrolia Utilities had 780 customers. In winter months they use 45,000 mcuf per . 15-16 million for domestic use. 3½ million for heating business blocks. 1 million for gas engines and 1 million for town buildings and schools. The refineries use 20 million. In summer month domestic consumers use below 3 million.

~~* donated by Dr CO Fairbank~~

Oil City Derrick July 21st 1914 Sealso London Advertiser March 11th 1914

Special Correspondent visit to Oil Springs

In 1887 J L Enghart & Co drilled to 1505 ft near the Imperial Refinery at Petrolia - dry. Later a well a mile west of the Railway and a mile north of Main St was dry at 3777 An important test on lot 11 Con 11 Enniskillen and three Crocker ventures closer to Oil Springs tapped water only. The Inwood well seven miles E by N of Petrolia was dry at 3380

G.S.C. Summy Rep^t P^t E 1918

The top of the Delaware limestone was used in working out structure, as in 1917, because its depth from the surface is most generally recorded by drillers. By means of surface elevations at mouths of wells and the depths to the top of the Delaware limestone, the elevations of a large number of points on the Delaware limestone were determined and from these the structure of the formation has been worked out over large areas. This structure is expressed by sub-surface contours, each contour connecting points on the top of the Delaware limestone which have the elevation indicated by that particular line (Map 1750).

The largest oil pools of the Corniferous formation occur at the top of rock domes, only smaller, short-lived accumulations of oil being found on terraces. Because erosion has eaten stratigraphically deeper into domes than other structures the black Ohio shale has, in almost every case, been stripped from over the oil fields. Knowing this, drillers rarely continue drilling where black shale is found.

OIL FIELDS OF LAMBTON COUNTY.

Petrolia Oil Field.

This has been the largest producing field in Canada and, excepting the recent production in Mosa township, is still the largest producer. As may be seen from map 1750 it joins the Moore Township field on the west.

The formations underlying this field are in the form of a flat-topped, elliptical dome with longer axis extending northwest. The custom has been to drill the oil wells about 475 to 490 feet in depth. The following log of a well drilled on the Lawson property, in Petrolia (formerly south part of lot 14, concession XII, Enniskillen) may be considered as typical of the field.[1]

Lawson property S pt lot 14 Con XII

	Thickness.	Depth.
Surface	100	100
Ipperwash limestone or "top rock"	50	150
Petrolia shale or "upper soap"	134	284
Widder beds or "middle lime"	15	299
Olentangy shale or "lower soap"	45	344
Delaware limestone or "lower" or "big lime" about	50	394
Onondaga limestone, penetrated	82	476

Oil-bearing rock reported to be from 462 to 471 feet in depth.

On the edges of the field the formations are lower and the wells in consequence have to be drilled deeper.

Besides the porous limestone near the bottom of the wells, which supplies most of the oil, some oil is also obtained from what is known as a "mud vein." Thus on the Dennis property in Petrolia (near what was formerly the middle of lot 12, concession XII, Enniskillen) three wells forming a triangle about 150 feet to the side, pump oil from a vein at 459 to 460 feet in depth (or about 120 feet below the top of the Onondaga limestone), and the pumping of any one affects the other two. That there is a porous horizontal stratum containing free channels for the movement of liquids is thus well established. The greatest production is from the porous oil rock, generally called "oil sand." It is not sandstone, however, but porous limestone.

The wells drilled early in Petrolia were generally cased to the Widder beds or "middle lime," and the Olentangy shale, or "lower soap," was left to cave into them. This has occasioned much cleaning out of the wells and properties that are not properly cared for get into very bad condition. In many cases it has been found profitable to clean the wells out and case them to the top of the Delaware limestone. Old holes, however, soon plug themselves, thus shutting off much of the fresh water which ordinarily enters the oil stratum through abandoned wells, reduces the output, and coagulates the oil, so as to reduce its value greatly. Through the efforts of the provincial oil inspector, Mr. John Scott, of Petrolia, wells abandoned at the present time are being properly plugged to keep the field free from water troubles.

[1] This log was obtained from Dr. C. O. Fairbank.

One-half or more of the old wells are now plugged on the best managed properties, and by careful attention to the remaining wells, the production of oil is kept at or near its recent level. It seems well established that the field was originally much over drilled.

The former practice of drilling through the Onondaga limestone into a porous, salt-water-bearing sandstone (probably the Sylvania, but perhaps representing the Oriskany in its upper part) has cost the Petrolia operators considerable money in handling this additional amount of fluid, and has probably lessened the amount of recoverable oil. The theory has been that a plentiful supply of salt water prevented the wells from coating with paraffin and in general increased the flow of oil. There seems little doubt that paraffin is prevented from collecting by keeping the surface of the oil sand bathed with fluid. Many oil men, however, have operated their wells successfully without other water than that which naturally comes with the oil. The proper practice appears to be to set the oil pump just above the top of the oil stratum and leave the surface bathed in its own fluid. If the stroke of the pump is properly regulated there is little danger of trouble with paraffin.

The custom is common of using gas pumps to lessen the pressure and thus increase the flow of oil. Where the pumping has been done by gas engines, the gas from the gas pumps has been largely utilized. At present the tendency is to replace the gas engines by "hydro" power, as the three-phase motors run at a uniform speed and cause much less wear and breakage on the "jerker line" systems. The gas produced is wasted, but the hydro power required is remarkably small. On the Englehart property two 25-horsepower motors, running on a little less than half load, are pumping about 200 wells by means of many miles of jerker rods. The balanced, jerker-rod system, which was invented at Petrolia and Oil Springs, is thus shown to be very efficient.

The productivity of the Petrolia field will probably be extended many years by the methods already explained, that is, by plugging unprofitable wells and giving careful attention to the wells that are being pumped. The method adopted elsewhere, of applying pressure to the field by means of compressed air or gas and pumping from central areas, has not yet been tried at Petrolia. Such a method would involve unified ownership of large tracts of oil property or else close co-operation between companies.

Moore Oil Field.

The Moore Township oil field is a western extension of the Petrolia dome, the oil occurring on terraces and small domes. The general elevation of the oil formation is about 80 feet lower than in the main Petrolia field; but this difference of elevation is partly offset by the oil occurring, as is usual in such cases, higher up in the formation. Thus, the top of the oil stratum at Petrolia is about 118 feet below the top of the Delaware limestone and the top of the oil stratum in the Moore field is only from 57 to 83 feet below it. The top of the oil is thus from 20 to 45 feet below the oil in the main Petrolia field. Although the Moore field has pumped considerable oil and several properties are still pumping, the oil-bearing stratum is not thick, and there is much less accumulated oil than in the Petrolia field.

The following log, furnished by J. D. Noble, is typical of the best of the Moore oil field.

Location. Well near middle of north half of lot 3, con. XI, Moore tp.

	Thickness.	Depth.
Surface clay, etc.	164	164
Gravel	7	171
Upperwash limestone or "top rock"	52	223
Petrolia shale or "top soap"	120	343
Widder beds or "middle lime"	15	358
Olentangy shale or "lower soap"	40	398
Delaware and Onondaga limestone, or "lower lime" to bottom of well	104	502

Some gas at 415 feet.
Oil at 430 to 463 feet.

Formation	Depth	Thickness	Lithology
	Feet	Feet	
Salina	900– 915	15	Dolomite: grey; some shaly dolomite; trace gypsum.
	915–1,005	90	Dolomite: buff, fine-grained.
	1,005–1,045	40	Shaly dolomite: grey; trace pink gypsum.
	1,045–1,065	20	Dolomite: buff, dense; some gypsum.
	1,065–1,150	85	Dolomite: buff, fine; some grey dolomitic shale; little gypsum.
	1,150–1,210	60	Dolomite: buff, fine-grained.
	1,210–1,220	10	Salt.
	1,220–1,225	5	Shaly dolomite: buff; some salt.
	1,225–1,250	25	Dolomite: buff, fine-grained.
	1,250–1,300	50	Dolomitic shale: grey.
	1,300–1,485	185	Salt.
	1,485–1,490	5	Dolomite: brown, fine; some salt.
	1,490–1,590	100	Samples missing.
	1,590–1,625	35	Limestone: brown.
	1,625–1,645	20	Dolomite: buff, finely granular.
	1,645–1,680	35	Limestone: brownish grey, dense; some shaly limestone; little gypsum.
	1,680–1,740	60	Samples missing.
	1,740–1,750	10	Limestone: dark brownish grey, dense; some limy shale.
	1,750–1,780	30	Samples missing.
	1,780–1,790	10	Dolomite: buff, granular; some dark grey shaly dolomite.
	1,790–1,800	10	Salt.
	1,800–1,810	10	Samples missing.
	1,810–1,820	10	Limestone: light grey.
	1,820–1,940	120	Dolomite: brown, fine-grained.
	1,940–1,950	10	Gypsum.
Guelph-Lockport	1,950–1,970	20	Dolomite: buff, crystalline.
	1,970–2,000	30	Dolomite: grey, crystalline.
	2,000–2,065	65	Dolomite: light grey, coarsely crystalline.
Rochester	2,065–2,085	20	Shaly dolomite and dolomitic shale: grey.
Medina	2,085–2,115	30	Shale: grey; some red shale and grey dolomite.
	2,115–2,125	10	Shale: red.
	2,125–2,150	25	Shale: grey.
	2,150–2,170	20	Dolomite: grey, crystalline; some grey shaly dolomite.
Queenston	2,170–2,180	10	Shale: red.
	2,180–2,280	100	Samples missing.
	2,280–2,300	20	Shale: red.
	2,300–2,390	90	Samples missing.
	2,390–2,400	10	Shale: red.
	2,400–2,470	70	Samples missing.
	2,470–2,480	10	Shale: red; some greenish grey shale.
Meaford-Dundas	2,480–2,500	20	Samples missing.
	2,500–2,505	5	Shale; grey; some grey dolomitic shale.
	2,505–2,770	265	Samples missing.
Billings	2,770–2,870	100	Shale: grey, bituminous.
	2,870–2,900	30	Samples missing.
	2,900–2,910	10	Shale: brown, bituminous.
Trenton	2,910–3,025	115	Limestone: grey.

Petrolia Oil Field. The Petrolia field occupies lots 1 to 19, cons. IX to XIV, Enniskillen tp., and small parts of the adjoining townships of Moore, Sarnia, and Plympton. At its maximum it comprised some 20,000 acres[1], but at present less than half that area is being operated. The field was discovered about 1862, when oil was encountered in a well being dug for water. The first flowing well was drilled in 1865, after which development was very rapid. By 1890, two thousand five hundred wells had been drilled in this field. Most of the several

[1]Harkness, R. B.: Ont. Dept. of Mines, 37th Ann. Rept., pt. 5, p. 55 (1928).

thousand wells in the Petrolia field were drilled before the turn of the present century, and for a great number of these no reliable records are now available.

Nearly all the wells are shallow, between 380 and 550 feet, with an average depth of perhaps 470 feet. In general, no oil was found below a depth of 500 feet. Production is from 115 to 130 feet below the top of the Norfolk formation (Big Lime). The thickness of the oil-bearing zone appears to vary in different parts of the field. In the central and eastern part, which is the most productive, it ranges from 5 to 13 feet and is a porous limestone[1]. The northwestern part of the field is the least productive. There, "the oil is reported by the drillers to occur in 'fissures' or 'crevices' in the rock. These 'crevice' wells haven't a long life, but when closed down for a short time appear to accumulate oil, for, when they are again pumped, the production is temporarily restored. At present these wells are operated intermittently, but those in the central and eastern part of the field are operated for at least a few hours each day of the year".[2]

Originally much gas under considerable pressure must have accompanied the oil, as many wells are reported to have flowed as much as 1,000 barrels a day. However, so far as is known, all this gas was allowed to escape, and the wells soon ceased flowing and had to be pumped.

This field has been in operation continuously since its discovery. It has been the largest oil producer in Ontario and continues to lead all other Ontario fields in production. The estimated production up to 1926 was 15,090,700 barrels: production for the period 1926 to 1943 inclusive was 1,018,243 barrels, making a total of 16,108,943 barrels to the end of 1943. In 1941, the field produced 54,583 barrels from about six hundred and forty-six wells. Production for 1942 was 51,917 barrels.

During the years 1936 to 1941, at least thirty-five wells were drilled within the limits of the field. Ten of these were either dry or encountered only "shows" of oil and the remainder are reported as small producing oil wells with initial yields between ½ barrel and 3 barrels a day. Production is from the Norfolk formation at depths between 400 and 450 feet below the surface.

The structure at the east-central part of the field is a dome with about 40 feet of closure and occupying lots 8 to 19, cons. IX to XIII, Enniskillen tp. Accumulation is directly related to the structural 'high', and at the east part of the field production is confined to the upper 40 feet of the dome. Westward from the dome, however, production appears to cross the structure contours and to extend about 120 feet down the dip from the highest part. This may be due to increased porosity or permeability induced by a zone of fracture.

The following well log illustrates the stratigraphy of this field.

Log of MacIntosh Oil and Gas Company, Well No. 1

Location: lot 14, con. X, Enniskillen tp.

Formation	Depth	Thickness	Lithology
	Feet	Feet	
	0–20	20	Samples missing.
Kettle Point.....	20–60	40	Shale: dark grey to black, bituminous.
Hamilton	60–100	40	Limy shale: grey; some shaly limestone.
	100–200	100	Samples missing.
	200–251	51	Limy shale: grey; some grey, shaly limestone.
	251–315	64	Limy shale: dark grey and greenish grey; little grey, shaly limestone.

[1]Harkness, R. B.: Op. cit., p. 57 (1928).
[2]Harkness, R. B.: Op. cit.

Formation	Depth	Thickness	Lithology
	Feet	Feet	
Norfolk	315–416	101	Limestone: light buff, finely crystalline; traces of pyrite.
Pre-Norfolk	416–440	24	Limestone: dolomitic, brown, finely granular.
	440–457	17	Limestone: dolomitic, light buff, finely crystalline.
	457–802	345	Limestone: dolomitic, brownish grey, finely crystalline; traces of gypsum throughout.
	802–892	90	Limestone: dolomitic, grey, finely crystalline; some grey, cherty limestone and chert.
Bertie-Akron	892–1,051	159	Dolomite: grey and brownish grey, finely crystalline.
Salina	1,051–1,061	10	Limy shale: dark grey; gypsum.
	1,061–1,081	20	Dolomite: brown, fine; traces of gypsum.
	1,081–1,169	88	Limy shale: dark greenish grey; traces of gypsum throughout.
	1,169–1,174	5	Dolomite: brown, fine-grained.
	1,174–1,192	18	Limy shale: greenish grey; some brown, fine dolomite.
	1,192–1,196	4	Salt; some dolomitic shale.
	1,196–1,228	32	Salt.
	1,228–1,247	19	Dolomite: buff, fine-grained; little grey, limy shale and traces of gypsum.
	1,247–1,252	5	Shale: greenish grey; some salt.
	1,252–1,286	34	Salt.
	1,286–1,316	30	Salt; minor amount of dolomitic shale.
	1,316–1,365	49	Limy shale: greenish grey; minor amount of brownish grey, fine dolomite; traces of gypsum throughout.
	1,365–1,400	35	Dolomite: light buff, finely crystalline; some greenish, limy shale; trace of gypsum.
	1,400–1,441	41	Salt.
	1,441–1,451	10	Salt; small amount of greenish shale.
	1,451–1,462	11	Shale: greenish grey; some salt and gypsum.
	1,462–1,500	38	Limy shale: greenish grey; trace of gypsum.
	1,500–1,510	10	Mixture limy shale, brownish dolomite, and salt.
	1,510–1,525	15	Limy shale: greenish grey.
	1,525–1,533	8	Salt and shale.
	1,533–1,595	62	Salt.
	1,595–1,613	18	Salt; minor amount of grey dolomite.
	1,613–1,797	184	Salt.
	1,797–1,873	176	Limestone: brown, finely crystalline; trace of gypsum.
	1,873–1,943	70	Limestone: dark brownish grey, finely crystalline; zones of grey, limy shale.
	1,943–2,020	77	Salt.
	2,020–2,025	5	Gypsum.
	2,025–2,096	71	Dolomite: dark brownish grey, finely crystalline.
	2,096–2,164	68	Limestone: dark grey, finely crystalline; some greenish, limy shale near base.
Guelph-Lockport	2,164–2,180	16	Dolomite: brownish and light grey, finely crystalline.
	2,180–2,193	13	Dolomite: brownish grey, finely crystalline.
	2,193–2,259	66	Dolomite: light grey, granular.
Rochester	2,259–2,305	46	Shale: dark grey; little grey dolomite.
Medina	2,305–2,310	5	Shale: green and red.
	2,310–2,380	70	Shale: greenish grey; some red, limy shale and grey, shaly dolomite near base.
	2,380–2,417	37	Dolomite: grey, finely crystalline; some greenish grey, limy shale.
	2,417–2,446	29	Grey and greenish limy shale and shaly dolomite.
Queenston	2,446–2,737	291	Shale: red; some green mottlings.
Meaford-Dundas	2,737–2,856	119	Shale: greenish grey; some grey, crystalline limestone at several horizons.
	2,856–3,017	161	Shale: grey.
Billings	3,017–3,121	104	Shale: dark grey, bituminous.
Trenton and older Palæozoic limestones	3,121–3,163	42	Dolomitic limestone: brownish grey, finely crystalline; some dark grey shale.
	3,163–3,330	167	Limestone: brownish grey, finely crystalline; fossiliferous.

Formation	Depth	Thickness	Lithology
	Feet	Feet	
Trenton and older Palæozoic limestones	3,330–3,532	202	Limestone: grey, crystalline; some thin, greenish grey, limy shale zones.
	3,532–3,562	30	Limestone: brownish grey, crystalline; much dark grey, limy shale.
	3,562–3,614	52	Shaly limestone: grey; some grey, limy shale.
	3,614–3,724	110	Limestone: brown and buff, finely crystalline.
	3,724–3,813	89	Limestone: dark brown, dense.
	3,813–3,865	52	Limestone: light brown, crystalline.
	3,865–4,009	144	Limestone: brown, dense.
	4,009–4,080	71	Limestone: brown and brownish grey, dense; some grey, limy shale.
Basal beds	4,080–4,100	20	Greenish and grey, coarse-grained sandstone with brown limestone, grey shale, and biotite.
Precambrian	4,100–4,124	24	Biotite granite.

The Petrolia and Oil Springs fields are remarkable for their long life. The combined production for 1942 was 79,196 barrels from approximately one thousand five hundred operating wells, or an average of nearly 53 barrels a well. Combined production in 1943 was 72,578 barrels.

The early wells in these fields apparently ceased flowing within a short time after completion. When this occurred, a number of wells were connected by a 'jerker line' system to a central power station and operated simultaneously. Some wells had relatively short lives, but after a short period of 'rest' again accumulated oil and production was restored for a time. Such wells are pumped intermittently. The remainder, which form a majority of the total number, are pumped a few hours daily.

In 1925, Harkness[1] writes that "there is sufficient salt water (about 3 barrels per well per day) in parts of the Petrolia field and more in Oil Springs, either with the oil or reaching it from above or below, to have the effect of a partial flood".

No quantitative data are available regarding either the porosity or permeability of the reservoir rocks in these fields. The fact that it has been possible to pump as many as eighty wells simultaneously from a central power unit suggests that these two characters of the reservoir are at least uniform beneath the area thus operated. It may be that the long life of so many of the wells in these fields is in some manner related to a condition of low permeability that retards the movement of oil to the wells.

Reference to the accompanying structure diagram will show a depression on the 'Big Lime' in the area between Petrolia and Oil Springs fields. During the years 1937 to 1941, several widely spaced wells were drilled in this region. Although some of these encountered small 'shows' of oil, only one, on lot 29, concession VIII, is reported to be commercial. This well had an initial yield of 4 barrels a day.

For further accounts of the Petrolia and Oil Springs fields the reader is referred to the following reports, upon which much of the foregoing account is based.

Harkness, R. B.: Empire Mining and Metallurgical Congress III, Petroleum, pp. 82-85 (1927).
——— Ont. Dept. of Mines, 35th Ann. Rept., pt. 5, pp. 49-63 (1926).
——— Ont. Dept. of Mines, 37th Ann. Rept., pt. 5, pp. 52-57 (1928).
Williams, M. Y.: Geol. Surv., Canada, Sum. Rept. 1918, pt. E, pp. 31-35.
Clapp, E. G.: Canada, Dept. of Mines, Mines Branch, Pub. 291, pp. 179-181 (1915).
Hume, G. S.: Geol. Surv., Canada, Econ. Geol. Ser., No. 9, pp. 36-40 (1932).
Malcolm, W.: Geol. Surv., Canada, Mem. 81, pp. 79-83 (1915).

[1]Harkness, R. B.: Ont. Dept. of Mines, 35th Ann. Rept., pt. 5, p. 57 (1926).

Many fields can now be added to the Lambton fields which will fairly to deserve a good producer. This is the Moore field and comprises the approximately lots 1 to 5 in the ninth

All the wells are shot with from thirty to forty-five quarts of nitro-glycerine.

In this field there is also considerable gas which is used as fuel for pumping and drilling on most of the properties.

Mr. Brumell writes regarding the Petrolia wells as follows:[23]

"The oil horizon at Petrolia lies at a depth of from 450 to 480 feet beneath the surface of the main part of the town, the oil being pumped in all instances from what is known as the 'lower vein' at a point about 65 feet in the Corniferous limestone. The following record may be taken as typical of the wells sunk in the Petrolia field."

Well sunk near the Imperial Refinery, Petrolia:

	Feet.		Feet.
Surface	104		
Limestone (upper lime)	40		
Shale (upper soapstone)	130	Hamilton	228
Limestone (middle lime)	15		
Shale (lower soap)	43		
Limestone (lower lime)	68		
Limestone, soft	40	Corniferous	133
Limestone, gray	25		

Following is the log of a well that was sunk at Petrolia to the Trenton line:

Carman well No. 1, lot 11, concession 11, Enniskillen, Lambton county, Ontario, R. I. Bradley estate, Elev. A. T. 667 feet:

			Feet.	Feet.	
HAMILTON		Surface blue clay	90	— 90	
		Streaks lime and shale	240	— 330	
CORNIFEROUS		Corniferous	190	— 520	
	SALINA.	Streaks brown, gray and black dolomite	690	— 1,210	
		Salt	65	— 1,275	
		Dolomite	20	— 1,295	
		Salt and thin streaks dolomite	140	— 1,435	
		Dolomite	30	— 1,465	
ONONDAGA		Salt	90	— 1,555	
		Salt with light and dark streaks dolomite	50	— 1,605	
		Salt	25	— 1,630	
		Gray dolomite lime	10	— 1,640	
		Salt	67	— 1,707	
		Streaks dolomite and salt	40	— 1,747	
		Salt	138	— 1,885	
		Gray dolomitic lime and shale	130	— 2,015	
		Salt	90	— 2,105	
CLINTON		Guelph and Niagara dolomitic lime	275	— 2,380	
		Niagara shale (red and dark)	60	— 2,440	
		Clinton	90	— 2,530	
MEDINA		Red Medina	275	— 2,805	
		Hudson River shales (light)	205	— 3,010	
UTICA		Utica (dark)	165	— 3,175	
		Trenton	170	— 3,345	
TRENTON		Bird's Eye	115	— 3,460	602
		Chazy	317	— 3,777	

Thirteen-inch conductor, 98 feet; 7⅝-inch casing, 186 feet; 6¼-inch casing, 1,015 feet.

In the Oil Springs field, oil is found at a depth of about 370 feet or 60 to 65 feet below the summit of the Corniferous. The shallowness of the wells as compared with those at Petrolia is due to the thinner mantle of surface drift, and also to a diminished thickness of the Hamilton formation, as shown by the following log:

	Feet.		Feet.
Surface	60		
Limestone (upper lime)	35		
Shale (upper soapstone)	101	Hamilton	170
Limestone (middle lime)	27		
Shale (lower soap)	17		
Limestone (lower lime)	130	Corniferous.	

Another well drilled at Oil Springs gave the following log:

	Feet.		Feet.
Blue clay	58		
Top rock	55		
Soap	109	Hamilton	209
Middle lime	15		
Soap	30		
Lower lime	131	Corniferous.	

[23] G.S.C. Report, 1890-91, page 61 Q.

OPERATIONS BALLANCE

SPROULE REPORT

FIRST YEAR

INCOME on 126087 bbls @ $3.15		397 274
OPERATING EXPENSE		
labour & pumping @ 15¢ (144100)	21 615	
trucking @ 35¢	44 230	
All overhead @ 25	31522	
	97 367	
Drilling 30 wells @ $1200	36 000	
Shooting 15 " @ 1000 (Drilling & shoot 51 000)	15 000	
Total Operating & drilling		148 367
NET INCOME BEFORE depletion depreciation & Income Tax		248 907
DEPRECIATION		
15 wells @ $2300	34500	
Old equipment acquired	200 000	
30% on declining Ballance 234500		70350
NET INCOME BEFORE DEPETION		178557
Depletion 1/3 of Net Earnings before Income Tax		59519
NET INCOME before INCOME TAX		119038
Deduct Ont IncomeTax 11%		13094
NET INCOME Before Federal Inc Tax		105944
DEDUCT Tax (bbls @ 119038)		
21% 1st 25000	5250	
50% ballance (94038)	47019	
Less credit 9% net earnings 9% of 119038	52269 / 10713	
Canadian Income Tax		41556
NET INCOME		64388
ADD Depreciation	70350	
Depletion	59519	
* Drilling Exp	51 000	180869
CASH BALLANCE		$ 245257

X Provided in original Capital

SECOND YEAR

INCOME (253575 @ 3.15)		798 761
OPERATING		
labour & pumping, 289 800 bbls @ 15	43 470	
trucking @ 35¢ (253575)	88 646	
overhead @ 25¢	31659	
Total	163 775	
DRILLING EXP.		
37 wells @ 1200	44 400	
TOTAL DRILLING & OPERAT		208 175
NET INCOME before Dep: Depl: & IncTax		590 586
234500 − 70350 = 164,150		
DEDUCT Depreciation @ 30%	49245	
37 wells, 2nd year at $2300 = 85100 at 30%	25530	74775
NET INCOME BEFORE DEPLETION		515 811
Deduct depletion 33 1/3%		171 937
NET INCOME before INCOME TAX		343874
Deduct Ont Income Tax 11%		37826
NET INCOME bef Feder Inc Tax		306 048
Deduct 21% on 25000	5250	
50% on 318874	159437	
	164687	
Less credit of 9% of Ontario Tax	30949	133738
NET INCOME		172310
Add Depreciation	74,775	
Depletion	171,937	
	246712	
Deduct Cap Inv in 37 new wells at $2300	85100	
		161612
Total cash Ballance		$ 333922

The estimated cost of shooting wells is very high This field could be shot on a contract basis @ $200 per well. The cleaning out to be done with the company machine. The cost of trucking such large quantities of oil can be reduced by 50% at least.

THIRD YEAR

INCOME 311850 bbls @ $3.15		982 328
OPERATING (356 400 bbls)		
labour & pumping at 15¢	53 460	
trucking @ 35¢	109 148	
overhead @ 25¢	31 185	
	193 793	
before depree, depler		
NET INCOME and Income Tax		788 535
DEDUCT. Depreciation		
Equipment for 1st yr: 234 500		
less Depree. first 2 years	119 595	
30% on ballance	114 905	
	× 34 472	
37 new wells 2nd year	85 100	
less depree 1st year	25 530	
	59.570	
30%	× 17 871	~~52 343~~
Total depreciation	52 343	52343
NET INCOME before depletion		736 192
Deduct depletion 33 1/3%		245397
NET INCOME before Tax		490795
Deduct Ont IncTax 11%		53987
NET INCOME before FED TAX		436 808
Ded. Can IncTax on $490795		
21% on $25 000	5250	
50% on 465795	232 898	
	238 148	
Less credit of 9% on Ontario IncTax	44 172	
Total Can IncTax		193976
NET INCOME		$ 242832
Add Depreciation	52 345	
Depletion	245397	297 740
		540 572
Cash Ballance		

SUMMARY OF THREE YEARS

YEAR	GROS bbls PROD	CASH BALLANCE	PAYMENT ON LOAN	BALLANCE ON 1,000,000
1	144 000	245 257	150 000	850000
2	289 800	333 922	200 000	650 000
3	356 400	540 572	300 000	350 000
4	356 400	540 572	350 000	Paid
5	356 400	540 572		
	1,503,000	2,200,895	$ 1000000	

The Sproule Report estimates the Maximum Reserves at 3,112,000 as of May 1957. This is an estimate of Primary Production which is 1/3 the Volume of the Field. Another 1/2 or 3,112,000 bbls may be obtained by a Secondary process. i.e. flooding or repressuring. Making a total recoverable of 6,224,000 bbls

3,112,000 bbls @ $3.15 = $ 9,802,000

3,112,000 bbls @ 2.75 = $ 8,558,000

Total $ 18,360,000

REPRESSURING

With surface gas at hand at 40 psi the cost of repressuring the field would be very low. The cost of drilling 30 wells (in 5 spots) and operating a compressor is estimated at 40¢. This is definately high as cost of drilling these would be retired in at least two years.

OPERATIONS BALLANCE

FIRST YEAR

INCOME on 1260674 bbls @ $.315 — 397 274

OPERATING EXPENSE

labour & pumping @ $15 (invoice)	21 615	
trucking @ 35¢	44 230	
All overhead @ 25	31522	
	97 367	
Drilling 30 wells @ $1200	36 000	
Shooting 15 " @ 1000 Drilling a shot	15 000	
	51 000	
Total Operating & drilling		148 367
NET INCOME BEFORE depletion depreciation & Income Tax		248 907
DEPRECIATION		
15 wells @ $2300	34 500	
Old equipment acquired	200 000	
30% on declining Ballance 234520	70 350	
NET INCOME BEFORE DEPETION		178 557
Depletion 1/3 of Net Income before Income Tax		59 519
NET INCOME before INCOME TAX		119 038
Deduct Ont Income Tax 11%		13 094
NET INCOME Before Federal Inc Tax (basis $ 119 038)		105 944
DEDUCT		
21% on 25000	5 250	
50% ballance (94038)	47 019	
Less credit 9% of earnings	52 269	
9% of 119038	10 713	
Canadian Income Tax		41 556
NET INCOME		64 388
ADD Depreciation	70 350	
Depletion	59 519	
* Drilling Exp	51 000	180 869
CASH BALLANCE		$ 245 257

* Provided in original Capital

The estimated cost of shooting wells is very high. This field could be shot on a contract basis @ $200 per well. The cleaning out to be done with the company machine. The cost of trucking such large quantities of oil can be reduced by 50% at least

SECOND YEAR

INCOME (2533575 @ 315) — 798 761

OPERATING

labour & pumping @ $15 (283 800 bbls)	43 470	
trucking @ 35¢ (2533575)	88 646	
overhead @ 25¢	31 659	
Total	163 775	
DRILLING EXP		
37 wells @ 1200	44 400	
TOTAL DRILLING & OPERAT		208 175
NET INCOME before Depl Depr & Inc Tax		590 586
234 500 − 70 350 = 164 150		
DEDUCT @ 30% 49 245		
37 wells 2nd year at 2300 = 85100 at 30% 25530		74 775
NET INCOME BEFORE DEPLETION		515 811
Deduct depletion 33 1/3%		171 937
NET INCOME before INCOME TAX		343 874
Deduct Ont Income Tax 11%		37 826
NET INCOME bef Feder Inc Tax		306 048
Deduct 21% on 2500	5 250	
50% on 318 874	159 437	
	164 687	
Less credit of 9% of Ontario Tax	30 949	133 736
NET INCOME		172 310
Add Depreciation	74 775	
Depletion	171 937	
	246 712	
Deduct Cap Inv in 37 new wells at $2320	85 100	
		161 612
Total cash Ballance		$ 333 922

THIRD YEAR

INCOME 311850 bbls @ $.315 — 982 328

OPERATING (356 000 bbls)

labour & pumping at $15	53 460	
trucking @ 35¢	109 148	
Overhead @ 25¢	31 105	
	193 793	
before depreciation depletion		
NET INCOME and Income Tax		788 535
DEDUCT Depreciation		
Equipment for 1st yr 234 520		
less Depreciation first 2 years	119 595	
30% in ballance	114 925	
	× 34 472	
37 new wells 2nd year	85 100	
less depreciation 1st year	25 530	
	59 570	
30%	× 1.7 011	
Total depreciation	52 343	52 343
NET INCOME before depletion		736 192
Deduct depletion 33 1/3%		245 397
NET INCOME before Tax		490 795
Deduct Ont Inc Tax 11%		53 987
NET INCOME before FED TAX		436 808
Ded. Can Inc Tax on $ 490 795		
21% on $ 25 000	5 250	
50% on bals 238 148	232 898	
	238 148	
Less credit of 9% of Ontario Inc Tax	44 172	
Total Can Inc Tax		193 976
NET INCOME		242 832
Add Depreciation	52 343	
Depletion	245 397	297 740
		540 572
Cash Ballance		

SUMMARY OF THREE

YEAR	GROSS PROD	CASH BALLANCE	PAYMENT ON LOAN	BALLANCE ON LOAN
1	144 000	245 257	150 000	850 000
2	289 800	333 922	200 000	650 000
3	356 400	540 572	300 000	350 000
4	356 400	540 572	350 000	Paid
5	356 400	540 572		
	1 503 000	2 200 895	$ 1 000 000	

The Sproule Report estimates the Maximum Reserves at 3,112,000 bbls as of May 1967. This is an estimate of Primary Production which is 1/3 the Volume of the Field. Another 1/2 or 3,112,000 bbls may be obtained by a Secondary process i.e. flooding or repressuring. Making a total recoverable of 6,224,000 bbls

3,112,000 bbls @ $ 3.15 = $ 9,802,000

3,112,000 bbls @ 2.25 = $ 6,998,000

Total $ 16,800,000

REPRESSURING with surface gas at hand at 40 p.s.i., the cost of repressuring the field would be very low. The cost of drilling 30 wells (in 5 spots) and operating a compressor is estimated at 2 000 000. This is definately high as the drilling cost will be retired in at least two years.

Initial Prod Remaining 2 611 644 @

Secondary Prod 2 989 244

2331 383531 95883 28,7648

2312 147796 36949 110847

95784 68417 27,367

3 1 2 27366800 6841.7

133235 28765 104,470

147796 110847 36,949

133235 104470 28,765

365 300 109500 54750

27367 28765 36950 93,082

174673

195000 195000 21450099

Canadian Dutch Oil Co Toronto
Lot 7 Con III East Fairchilds Creek Onondaga Twp
750 S 350 E Comp. June 20th 1924
Flow ½ bbl per day Oil at 2656 in basal sand
Elev 678

Surface		76	76
Salina	shale + gypsum	21	97
Guelph + Niagara	grey dolomite	250	347
Rochester	grey shale	46	393
Clinton	grey dolomite	17	410
Red Medina	red soft shale	20	430
Cabot Head	grey shale	35	465
Manitoulin	grey dolomite	20	485
White Medina	grey sandstone	10	495
Queenston	red shale	545	1040
Meaford Dundas	grey shale	786	1826
Utica	Boom shale	121	1947
Trenton	grey limestone	693	2640
Archean		16	2656
Pre Cambrian		56	2712

Oil at 2656

1903 probably

Ontario Bureau Mines Vol XIV p 106

Cantill says "the Trenton was struck in the Bow Park Farm well at 1930 feet in an elevation of 1250 feet below sea level

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well on lot 16 Con II Brantford Twp

Surface	48	48	Water 200 - 300
Limestone	400	448	Gas water about 1950
Clinton Limestone + shale	525	973	Show gas 2160
Lorraine Blue shale Utica	980	1953	Casing 520
Trenton Limestone	210	2163	

Behrens High School Elev 517

WELLAND COUNTY

Thorold well 1888-9

Surface	43	43	474
Clinton Lime	7	50	467
Shale	70	120	397
Grimsby	30	150	367
Manitoulin	57	207	310
Whirlpool	30	237	280
Queenston	913	1050	-533
Hudson River	700	1750	-1273
Utica	155	1905	-1388
Trenton	525	2430	-1913

Gas at 2430

Salt water 234

Casing 312

HALDIMAND COUNTY

Jas McCutcheon Driller

Culp Farm South Cayuga Elev 627

lot 19 Con VI Comp Appr 25th Elev 1921 Dry Hole

Clay	16	16	+611
Flint	34	50	577
Grey Lime	60	110	517
Shale & Lime	250	360	267
Broom Lime	70	430	197
Niagara Lime	175	605	+ 22
Black Grey Lime	50	655	- 28
Grey Shale	55	710	- 83
Clinton	30	740	113
Red Medina	40	780	153
Grey Shale	55	835	208
White Medina	12	847	221
Red Shale	653	1500	873
do & grey shale	175	1675	1048
Grey Shale	600	2275	1648
White & Black Shale	175	2450	1823
Trenton Lime	703	3153	2526

published

Humberstone

Lot 33 Con I 35 M. RP 375 psig Aug 25

Stealing Nat Gas

Elev 620 est

Surface	10	10	610
Flint	50	60	560
Brown lime	60	120	500
Lime & shale	320	440	180
Magara	225	665	-35
Rochester shale	50	715	-95
Clinton	30	745	Gas at 715 -125
Red Medina	43	788	-168
Grey Shale	55	843	-213
White Medina	18	861 ←	-241 Gas at 857
Red shale	51	912	-292
	912		

Lot 3 Con III Bertie Prov 1923 Dry hole

Rock (Surface?)	50	50	
	625	775	
Clinton	30	805	
Red Medina	100	905	Day
White Medina	12	917 ←	
Red Shale	963	1880	-1260
White Shale	805	2685	-2065
Trenton	740	3425	-2805
Stray Sand	20	3445	-2825
Potsdam	25	3470	-2850

~~11 30~~
6 E
13 10

~~24 30~~
5 20
18 10

Wells drilled in East Nissouri Tp

Major Petroleums Co. Ltd Toronto
H Henderson Farm
lot 19 Con VIII Nissouri E in 1930 not completed

Volcanic Gas & Oil Co Ltd Toronto
lot 35 Con. X H Cooper farm. dry hole

do SW 1/4 lot 21 Con XVIII S.J. Greason farm Dry hole

WELLS IN NISSOURI WEST TP.

Whittner & Snively lot 1. Dundas Sd. 1916. Aband.

do [illegible] lot 1. (opp. Saul Farm) Wm Guest farm 1923. 3 M.O.F.

lot 10 Con IV WE Duffin farm 1938 Dry

? lot 23. SE 1/4 lot 34 VII S Davis #1 1938 Dry

JAS BEATTIE LEASES
WELL HISTORY

8" Drive pipe to lop of lime
7" cemented in 30± above the pay 50' cemented
1¼" pump inside 2" tubing set 25-30' off bottom.
2" screen to bottom 1. HP pump

Best Pay

LOT	CON	Farm	WELL No	Initial Pump PROD	Present PROD	Thick Sand	Lime
4	V	Neil 165 McMillan	1	6	7	26 19+	7
4	V	do.	2	6	7	29 23½	
4	V	do	3	15	10	35 23½	flowing will now
4	V	do	4	8	7	31 29	
4	V	do	5	6	6	24 20	
4	V	do	6	9	7	27 16	
4	V	do	7	10	7	30 24½	flown very often
4	V	do	8	12	7	27 23 ok	
4	V	John Bradden 55 ac	6	3/ Pump 60 As	18	393' deep 16	water 10 bbls 19 bbls oil after Jan 55 shot #100 water in lime 10 M gas
4	V	do	7	4/ 20	10	29 23	shot
4	V	do	8	7	3	30 24	need shooting
4	V	do	9	7	3	27 16	"
4	V	do	14	5	3	24 19	"
5	V	John Bradden 55 ac	1	8	4	24 18	"
5	V	"	2	11 16	6	25 19	"
5	V	"	3	15 10	6	65 18/65	Flowed oil for a year
5	V	"	4	11 10	6	24 17	"
5	V	"	5	9 10	6	24 18	"
5	V	"	10	7	6	26 22	flowed full of 8" pipe did 2000 bbls pumping from 5' lime
5	V	"	11	55	9	not	not drilled thru pay
5	V	"	12	50	15	16	not drilled thru needs shooting fault
5	V	John Bradden 55 ac	13	5	3	24 ok	
4	VI	Alex Colthurd	1 2	6	6	22 21	
4	VI		2 3	6	6	26 19	
4	VI		3 4	5	5	24 21	
4	VI		4 5	7	6	17 13	
5	VI	Annie Wright	1	12 10 6	5	24 17	390-410
5	VI		2	11 10 6	5	23 17	395 417
5	VI		3	11 10 6	5	24 18	400-422
5	VI		4	11 10 6	5	22 16	
5	VI		5	8 8 6	5	20 16	
5	VI	Annie Wright	6	11 0	5	20 13	½ bbl farm water
				32 230	32 195		
				8 bbls.	192 6		

REPORT A

Block	LEASES Farm	Lot	Con	Acres Total	Acres Proven	Proven Wells	Proven Location	TOTAL Oil Reserves bbls	TOTAL Primary Recovery bbls
A		3-4	IV	475	475	22	50	19 000 000	6 333 333
B		4	VI	75	50	4	8	2 000 000	666 666
C		5	VI	50	50	6	2	2 000 000	666 666
E		6	VI	100	85		8	3 400 000	1 333 333
		7	VI	125	SP				
M		7	IV	100	SP				
				925	660	32	68	26 400 000	8 800 000
								at $2.75	@ 2.75
								$72 600 000	$24,200 000

Daily production 483 bbls

Annual " 173 880 " @ 2.75 $478,170

Total Oil Reserves at $2.75

Primary recovery 1/3	8.800 000 @ $2.75	$24 200 000
Depletion Allowance 33 1/3	$8,066 666	
Income Tax on Balance 50%	8.066 666	16.133,332
		8.066,668
Plus Dep All recd		8 066.666
Total receipts		16,133,334

at $2.00 per bbl

Secondary Recovery (1/3)	8 800 000	17 600 000
Depletion Allow 33 1/3	5 866 666	
Tax 50% on balance	5 866 666	
	$11 733 332	$11 733 332
Net after taxes		5 866 668
plus Deplet Allowance Recd		5 866.666
Total Recd		11,733 334

Primary Recov	16,133,334
Secondary Recovery	11 733 334
	$27,866,668

Water in No. 6. Baden has little water high up
No 6 Wright 1/2 bbl foam

Only 2 wells out of 32 shot
6 Braden on 5 bbl shot up to 60 bbls down to 30 bbls
after three 25

No 7 Braden was 4 bbls shot up to 30 bbls after three
years 10 bbls
Will take acid well enough to acidise

200-250' 8" drive pipe to top of lime. All Pipe New
7" casing set about 30' above pay. Bottom 50' cemented
oil pay is about 120 ft in the lime
2" tubing set on bottom. 1 1/4" pump nickel alloy O.W.S. set 25'-30' off bottom
and tubing perforated. Pump hangs on 2" which is suspended
in 7" casing
Jensen Pump Jack driven by 1 HP motor
2" oil line from well head to tank on all except Wright
1 1/4 plastic oil line on Wright
~~7-12000 welded tanks, 3-20000 tanks 1-17000 gal tank~~ Steel welded
~~Steel welded~~ riveted
McMillen 2-12 M weled 1-10 M riveted
Bradden 4-12 M welded & 2-10 M riveted 3-1050 gal welded
Althaus 1-12 M " 1-750 gal welded
Wright 1-17500 " 1-1050 gal welded

Gravel road graded to every well.
Owns all Hydro lines aluminum heavy 220 volt
6 services and 6 Transformer. These are on two circuits
so they also have power. Costs 13¢ per day for power / well

625
26
3750
1250
1.0250

Calculation of Reserves

Total oil in place 6 1/4 gals/cu ft
Porosity 26% connate water 5%
Oil Recoverable 1 5/8 gals/cu ft 1.625 1.3125 gals
Ave. thickness of sand 20 ft
Bbls/ft surface 2000 2019
" /acre " 40 000 40397.5
Primary recovery 1/3
Secondary recovery 1/3

Surface Gas

On John H Bradden farm drilled on NE 25 acres #14 well lot 4 Con V. and got sweet gas in 7 to 8 ft of sand at 90 ft 249 ft surface. Pressure 65-70 psi. O.F. at least 1 M2 in 10" pipe

---

West side of the field in lot 3 Con V. Comforts #5 well in NE cor of 3 Con V was drilled wet and they couldn't find what pay they had. Comfort was not on the job. There is no guide to show where the west side of the field may be There was enough oil in Comfort No. 6 to pump when it was drilled. The field may easily extend to the 2/3 side road.

The wells that have been located along the west side of lot 4 Con V may have 20 ft of sand and it is quite probable that a part of lot 3 Con V may be productive.

No. 3. Bradden flowed oil naturally for over a year
No. 12 of It is shut in will flow once per month
All the wells on south end of Bradden of shut in for a day will flow and so do many on the McMillan

Repressuring

Well No 14 on the John Braddon farm (E 50 ac lot 4 Con V) had a flow of surface gas estimated at 1/4" Pressure of 75 to 80 psi. Gas came in at 90 ft in a sand bed about 7 feet thick with no water. Surface was 265 ft

This is a perfect place to test repressuring as the wells in this area nearly all flow if they are shut in for a day or so.

The Gas Pressure in the oil field is 65 psi. and one reached 100 psi it would appear that if this gas was introduced into the field at 150 psi or less it might raise the pressure in the oil sand rapidly but it is a matter for experiment to find what pressure would be best. Then at the same time tests should be made on wells that are down the dip.

Cost of a surface well with pipe est at $500
Cost of a compressor temporary portable $5000
Cost of piping to a well 2"

Price for oil at Sarnia is $3.15 while Pennsylvania Crude in USA is $4.70 The two crudes are very similar. There is enough differential to make a U.S. sale very profitable.

Sprouls — D 6

Data from O.F.B. logs - pay penetrated in 50 wells of 200
Aldboro has drilled 32 wells - 500 to 600 ft spacing = 6 acres = 192 ac.
a further 174 acres is therefore considered as undrilled proven acres
The remaining acreage on D E, F is considered unproductive
Rodney Reports from cores on Felment say average porosity 26%
Conate water 5% Permeability 748 millidarcies
Bothwell cores give Poros. 14.1 Connate water 12.5%.
Shrinkage factor 0.9% Recovery factor 33⅓% Reserves 574 bbl/acre foot
Reservoir Calculation Rodney Field

[illegible]
[illegible] 1,535,800 bbls

Price of oil at Sarnia $3.48 - 89 = $2.98 net to producer
Trucking costs 35¢ (Royalty 39 cents) Lifting costs 15¢ = 50
Depth of wells ave 485 ft @ 2.50. Cost of well equipped $2,700
Cost of 32 wells @ 2700 = $86,400. Spare equipment etc $250000

Estimate based on Rodney Data

Proven Drilled Reserves

Recovery reserves	1,729,460
Less 1/8 royalty	1,513,278
Value at $2.98 before current costs	$4,509,568
Investment in roads equipment etc	350 000
Value of recoverable oil in place	$4,159,568
Present worth (10 years @ 6%)	3,140,474 .. 3756 804

PROVEN UNDRILLED RESERVES

Recoverable reserves	1 164 800
Less 1/8 royalty	1,019,200
Value of oil in place at 2.90 bl before drilling costs	$2,955,680
	78 300
Cost of drilling 29 wells	$2,877,380 755
Present worth 10 years 6%	2,172,422
	3 140 474
Present worth of Drilled and undrilled Reserve	$5,312,896

D

SPROULE

Ave porosity 26% Connate Water 5% Recoverable 1/3 Shrinkage 0.9 Recover Res acre foot 574 bbls

Area	lot	Con	Farm	Total Acres	Proven Acres	Ave Thick Pay	Reserves Proven	Proven Acres Undrilled	Thick Pay	Reserves Undrilled
					drilled			132	13	985,000
A	3,4 W1/4 5	V		475	132	20.27	1,535,800	6	6	20 600
B	P+N1/2 4	VI		75	24	17.5	241,000	24	9	114 400
C	NE1/4 5	VI		50	36	14.66	303060	12	6.5	44,800
D	S1/2 6	VI		100						
E	W1/2 P+NE1/4 7	VI		125			unproductive			
F	S1/2 7	IV		100						
							2,079,060			1,164,800
				925			3			
			Less produced to date				349 600			1 729 460
					Reserves		1,729,460			

Beattie Adds

	No wells	Bbls sold
1955	20	52 294
56	31	83 686
57	32	60 829
58	32	50 782
59	32	64 384
60	32 1/2	27 098
		339,073

Total drilled & undrilled 2,894,260

Less 12 1/2 % Royalty 361,782

net production 2,533,478 @ 3 = 7,600,434

Investment in roads equipment 350 000

D

Block	Farm	Lot	Con	Acres	Proven Acres	Thick Net Pay	Primary Recovery Reserve	Probably Proven Acres	Thick	Reserve	
A		3&4 NW¼ S	V V	475	241	20	2,766,680	40	6	137 760	Porosity on lease immediately east of Lease A showed porosity 19 - 26 % from 750 millidarcies Connate water 5%
B		N½ 4	VI	75	24	17.5	241 080	24	9	124 000	
C		NE¼ 5	VI	50	48	13.83	381.044				
D		S½ 6	VI	100							
E		17½ of NE¼ 7	VI	125							
F		S½ 7	VI	100							
				925	313		3,388,804			261 760	
		Less production to date					349 600				
		Net Reserve					3,039,200			261,760	
		Value at $2.64				@	$8,023,488			* 693,046	

late 1956 A

Report A

Property 925 acres - 660 acres proven 32 wells drilled

1/8 royalty 12½% - Producing Zone at 400 ft

Must drill within 10 years undrilled acreage has 4 years to go

wells pumped into field tanks by gravity

one H.P. motor and run Jensen pump on each well

Two field men and bookkeeper foreman. Wages $650.00 month

Hydro power costs 10¢ per day per well.

pipe lines tanks tools spareparts, pipe casing, power lines

roads buildings trucks etc $250,000

Each well costs drilling equipment $2,700

Wells are spaced at 600 ft = 7 acres

Trucking to Sarnia is 35¢ barrel. Royalty 12½% 38 cents bbl.

	Leases	Total acres	Proven acres	Proven Wells	Local	Total Oil Reserves m.bbls	Primary Recovery m.bbls	Production Initial	
A	lot 3 & 4 Con IV	475	475	22	50	19,000	6 333.333		
B	lot 4 Con VI	75	50	4	8	2,000	666.666		
C	5 VI	50	50	6	2	2000	666.666		
E	6 VI	100	85		8	3400	1 133.333		
	7 VI	125	SP		} 19?				
M	7 IV	100	SP						
		925	660	32	68	@2.75 26,400	@2.75 8,800	483	173 880
					87	$72,600 000	$24 200 000	@2.75 $478.170	

Pay Zone Columbus ss at base of Dundee limestone loosely compacted oil/sat sand free of sediment. Over the N/S length of the field the base of the sand is flat with a gentle dip to South 12 ft/mile

Max thickness 30 ft and three highs. The Dundee is ~~fractured~~ fractured for about 5 ft above the sand and the 5 ft produces

Edge of the field have not been fixed as yet and no water has been found in the producing zone

Reserveir

Cores by Felmont - porosity 26%

Perm. 748 Milidcys Saturation 65%

Crude at well 41° A.P.I. at Refinery 38°

PRODUCTION DATA FROM LOGS OF WELLS A

Lot	Con	Well No	Annie Wright	INITIAL PRODUCTION	Lot	Con	Well No		INITIAL PROD
5	VI	1	6	10	4	VI	4	colthard 5	6
5	VI	2	6	10	4	V			14
5	VI	3	6	10	4	V			10
5	VI	4	6	10	4	V			4
5	VI	5	6	8	4	V			10
5	VI	6	now 30 6	36 10	5	VI			10
4	VI		John Bradden	Plugged	5	VI			10
5	V			10	5	VI			10
5	V			10	5	VI			12
5	V			12	5	VI			13
5	V			10	5	VI			10
5	V			8	4	VI	3	colthard 5	17
4	V			150	4	V			12
4	V			10	4	V			15
4	V			15	4	V			20
4	V			8	4	V			10
4	VI	5	colthard 5	12		Initial Production			483 bbls
4	VI	3	5	7					32 163

What will settled production be

Projected Drilling Program

35 proven locations drilling & equipment $84500
At 20 bbls/day @ $2.75 net per year $702,625

24 provan locations drilling & equipment $64,800
At 15 bbls and $2.75 $361,350

27 semi proven locations
Drilling & equipment 72900
At 10 bbls/day and $2.75 $272,830

$222,200 $1,336,805

32 @ 6 192

B

Year	wells	Oil Sold
1955	20	52 294
1956	31	83,686
1957	32	60 829
1958	32	50 782
1959	32	65 000
1960	32	65 000
		377,591

Total leases 862 acres
Proven " 366 "
Wildcat " 496

Dec 31st 59 — 32 prod wells
67 proven locations

67 New Wells - Drilling complete @ 3,500 — 234,500
32 prod wells shooting (1000) 300 — 9,600

Cost Lease + equipment — 1 000 000
" 30 new wells @ 3500 — 105 000
" shooting 15 wells @ 300 — 4,500
" working capital — 25,000
1,134,500
Engr legal etc. exp. — 57 500
1,192,000

It is believed that by shooting 15 present wells that the daily average prod can be brot to 10 bbls/day.
Annual Prod 32 wells = 110 800 less 1/8 14600 = 102 200 b/year
First Year 1/2 wells shot reducing prod to 90,100 bbls less 1/8 — 78 837
Second Year 1/2 " " prod 115 200 " " 100,500
Drilling 1st year. 30 wells @ 12 bbls day say 10 bbls. only 1/2 in prod
2nd year 37 " settled prod 10 bbls 1/2 in prod for year

NEW PRODUCTION

		Gros.	Royalty	Net
1st Year	30 wells 1/2 prod	54 000	6,750	47 250
2nd year	30 " all 1st year Prod	108 000	13,500	94500
do	37 " 50% "	66 600	8,325	58 275
3rd year	37 " 100% 3rd year	133,200	16,650	116550

Yearly production from present producing and new wells is therefore estimated as follows.

	GROSS		ROYALTY		NET	
	1st Year	2nd Year	1st Year	2nd Year	1st Year	2nd Year
32 producing wells	90 100	115 200	11 263	14 400	78 837	100 800
30 new wells 1st year	54 000	105 000	6 750	13 500	47 250	94 500
37 new wells 2nd year		66 000		8 325		58 275
					126 087	253 575


JAS BEATTIE
John Fleming
Neil McMillan
John Bradden
CROWN
water 3ft above sand cased off
3x 4 new 4 prod
Alex Cathcart
COMFORT
Annie Wright
Alex Campbell
Guelph
GORE
1
2
3
4
5

B

PRODUCTION

	GROSS			ROYALTY			NET		
	1st Year	2nd Year	3rd Year	1st Year	2nd Year	3rd Year	1st Year	2nd Year	3rd Year
32 Producing Wells @ 10 bbls/day	90 100	115 200	115 200	11 263	14 400	14 400	78 837	100 800	100 800
30 new Wells drilled 1/2 year @ 10 bbls/day	54 000	108 000	108 000	6 750	13 500	13 500	47 250	94 500	94 500
37 " " " 2nd year		66 600	133 200		8 325	16 650		58 275	116 550
	144 100	289 800		18,013	36 225				
			356 400			44 550	126 087	253 575	311 850

2nd RECAPITULATION OF PRODUCTION

	GROSS			ROYALTY			NET		
	1st YEAR	2nd YEAR	3rd YEAR	1st YEAR	2nd YEAR	3rd YEAR	1st YEAR	2nd YEAR	3rd YEAR
32 Producing Wells 10 bbls	148 500	148 500	at 15 bbls 222 750	18562	18 562	27 844	129 938	129 938	194 906
30 new wells 1/2 year 10 bbls	54 750	164 250	219 000	6845	20 530	27 375	47 905	143 730	191 625
37 wells pressure prod @ 15 bbls			no prod			no prod			no prod
4th year " " " 20 bbls							177 843	273 668	386 531
			4th YEAR			at 3.15	$560 205	872 054	$1,217,687
4th year 62 prod wells @ 20 bbls									
" 30 new wells @ 20									
4th year 62 prod wells @ 20 bbls			482 600			60 325			422 275
									$1,330,166

OPERATING BALLANCE

First Year Operations

Income 126,087 bbls @ 3.15		397 274
Operating		
labor & pumping @ 15¢	144 100	21 615
trucking @ 35		44 230
all overhead @ 25		31 522
Total		$ 97,367
Drilling 30 wells @ 1200		36 000
Shooting 15 .. @ 1000		15 000
		51 000
Total drilling & operating		148,367
Net Income before deplet deprec and Income Tax		248,907
DEPRECIATION		
15 wells @ 2300	34 500	
old equipment	200 000	
30%	234,500	70,350
Net Income, bef, deplet		178 557
Depletion 1/3 net earnings income		59 519
Net Income bef Income Tax		119,038
Ont I.T. 11%		13 094
		$ 105,944
Fed Incom 21% 25000 50% of ballance less 9% of Ont Tax		41 558
		64 388
Add Deprec	70 350	
Deplet	59 519	
Drill. Exp	51 000	180 869
Cash Ballance		$ 245,257

Some of these estimates are high i.e. Shooting could be contracted at $300 per well.

Second Year Operations

Income 253 575 @ 3.15		798 761
Operating		
labor pumping @ 15¢	289 800	43 470
trucking 35		88 646
Overhead 25		31 659
		163,775
DRILLING 37 wells @ 1200		44 400
Total drilling & operating		208 175
NET INCOME b4 depr. depl. and Income Tax		590 586
Deduct Deprec on 164 150 cost of 1st year 30%		49 245
30% on 37 new wells		25 530
		74 775
NET INCOME B4 deplet		515 811
deduct deplet 33 1/3%		171 937
NET INCOME B4 Inc Tax		343 874
Ont Inc Tax 11%		37 826
NET INCOME B4 FED INC TAX		306 048
Deduct Fed Tax on $343 874		
21% on $25 000	5 250	
50% on ballance	159 437	
	164 687	
less 9% of Ont Tax	30 949	133 738
		$ 172 310
NET INCOME		
Depreciation	74 775	
Depletion	171 937	
	246 712	
Deduct Capital Inv 37 wells @ 2300	85 100	161 612
Cash Ballance		333 922

Trucking could be reduced from Second year at least 50% and a study of Pipe line to Rly should be made.

Third Year Operations

INCOME 311 850 bbls @ 3.15		982 328
OPERATING Exp (356 400 bbls)		
labor 15¢	53 460	
trucking 35¢	109 148	
Overhead 10¢	31 185	193 793
		788 535
NET INCOME B4 depr. depl. and Income Tax		788 535
DEDUCT Depreciation		
Equipment 1st year	234 500	
Depreciation 1st 2 yrs	119 595	
30% on bal	114 905	34 472
37 wells 2nd year	85 100	
Depr 1st year	25 530	
30% on	59 570	17 871
Total Deprec		52 343
NET INCOME B4 depletion		737 192
Deduct 33 1/3		245 379
NET INCOME B4 Income Tax		$ 490 795
Deduct		
Ont Income Tax 11%		53 987
Net Inc B4 Fed Tax		436 808
DEDUCT		
Fed Inc Tax (on 490 705)		
21% of $25 000	5 250	
50% of ballance	232 898	
	238 148	
less Credit 9% Ontario Inc Tax on 490 795	44 172	
Total Fed Inc Tax		193 976
NET INCOME		242 832
Add Deprec	52 343	
Depl	245 397	297 740
Cash Ballance		540 572

Projected Cash Flow

Year	Gross Prod VALUE	Cash Ballance	Payment on Loan	Ball on $1 000 000
1	144 100	245 257	150 000	850 000
2	289 800	333 922	200 000	650 000
3	356 400	540 572	300 000	350 000
4	356 400	540 572	350 000	Paid
5	356 400	540 572		

Sproule estimates reserves at Max. 3 112,000 as May 1957. This is Primary Prod. whis is 1/3 of Volume of the Field. Another 3.112 000 can be obtained by water Flood making a total recoverable of

6,224,000 barrels.

3,112,000 bbls @ $3.15 = 9,802,000

3,112,000 " @ $2.75 = 8,558,000

Total 18,360,000

The cost of drilling 30 wells to repressure the field and operate compressors is estimated at 40¢ per barrel. This is definately high

PETROLIA

Glencoe Transcript Aug 19th 1875 (Chicago Tribune)

Titusville Aug 3rd. Great overproduction. Teamsters talk of getting fire to the field and tankage Crisis imminent Suggest shut down of the field but these shut down movements have already failed owing to lake of cooperation the number of new wells drilled at rate of 200 per day although not so great as last year creates great uneasiness in minds of those who have tanked oil. Banks are loaded with oil at 50¢ over the market. Must have new capital to survive

From Lambton County, Hundred Years
PETROLIA. 1849-1949

Blackstrap Wilson

John McMillan discarded cast iron stills for Boiler plate building a boiler 10' diam 20 ft length.

Parsons and Ontario Carbon Oil Co followed his example ??

Carbon Oil Co built the big still holding 2500 barrels located on the site of the Imperial Oil Refinery in Petrolia. It exploded and was completely destroyed. It took a year to repair and on its first run burst again and the Co went broke

J.L. Englehart opened the Baltic Works in London 1864 (?) later the London Refining Co. (Englehart) ???)

Beldens Lambton Atlas of 1880 gives a complete description of the chief Petrolia Refinery and largest in Canada - J.L. Englehart & Co located between Great West Rly and Can South Rly with storage 100 000 bbls had huge steam pumping plant and 100 000 bbls underground storage six, (350 bbl) stills, an agitator that treated 1800 bbls at once and three vast settling tanks."

Mr Englehart formerly carried on refining in Hamilton but purchased the ... defunct Ont Carbon Oil Co and rebuilding in Petrolia the town exempted taxation for five years. He added $150 000 improvements to make a value of 250 000. Such was Canadas greatest refinery in 1880.

In 1880 there were eight other refineries some very extensive and important. Home Oil Refining Co second in capacity and similar to Englehart's owned by small medium and some large producers located immediately south of Englehart's. The producers wells are connected directly by pipes to the Refinery underground tanks - pipes extend six miles. Home association was formed for protection against Englehart monopoly and to give producers a share of profits from refining

Petrolia Crude Oil & Tanking Co. Assn. Chas Jenkins Pres John Noble V.P. (NOV 1874) to store oil underground tankage 100 000 bbls. Receiving Station at Marthaville 2½ miles N W of Petrolia. Their shipping station and small refinery, a mile north of town between the two railways. This company slowly pushed pipe lines all over the field

There are 600 wells in operation best pumps 30 bbls/day to 2 bbls and less. In all there has been five million invested in Petrolia, a great deal of it wasted.

"The underground tanks are dug 60 ft deep and 30 ft diameter and lined with kants (curved board 3 or 4 ft long 5" wide staggered joints in laying etc"

Copied MOORE

tenth and eleventh concessions of the township of Moore. The best wells are located on lots 3 and 4 in the ninth and tenth concessions. This field was opened up by the Moore Oil and Gas Company in July, 1904, and is about four miles west of Petrolia.

Log of the Davis well drilled by the Moore Oil and Gas Company on lot 3 in the tenth concession of Moore township near the old Sarnia plank road:

	Feet.		Feet.
Surface	148		148
Top rock (upper lime)	45		
Shale (upper soap)	125	Hamilton	232
Limestone (middle lime)	15		
Shale (lower soap)	47		
Limestone (lower lime)	111	Corniferous.	111
Total depth	491		491

Supply of gas struck at 400 feet. Oil struck at 445 to 450 feet at a depth of 65 to 70 feet in the Corniferous.

This well, which was the second well in the field drilled, started out with a production of 100 barrels per day.

Log of well drilled by Fairbanks and Carman:

	Feet.		Feet.
Surface	143		143
Top rock	48		
Soap	130		
Middle lime	15	Hamilton	240
Soap	42		
Streak of lime	3		
Soap	2		
Lower lime	68	Corniferous.	68
	451		451

The Corniferous formation was encountered at a depth of 384 feet, and oil found at 395 feet and 410 feet.

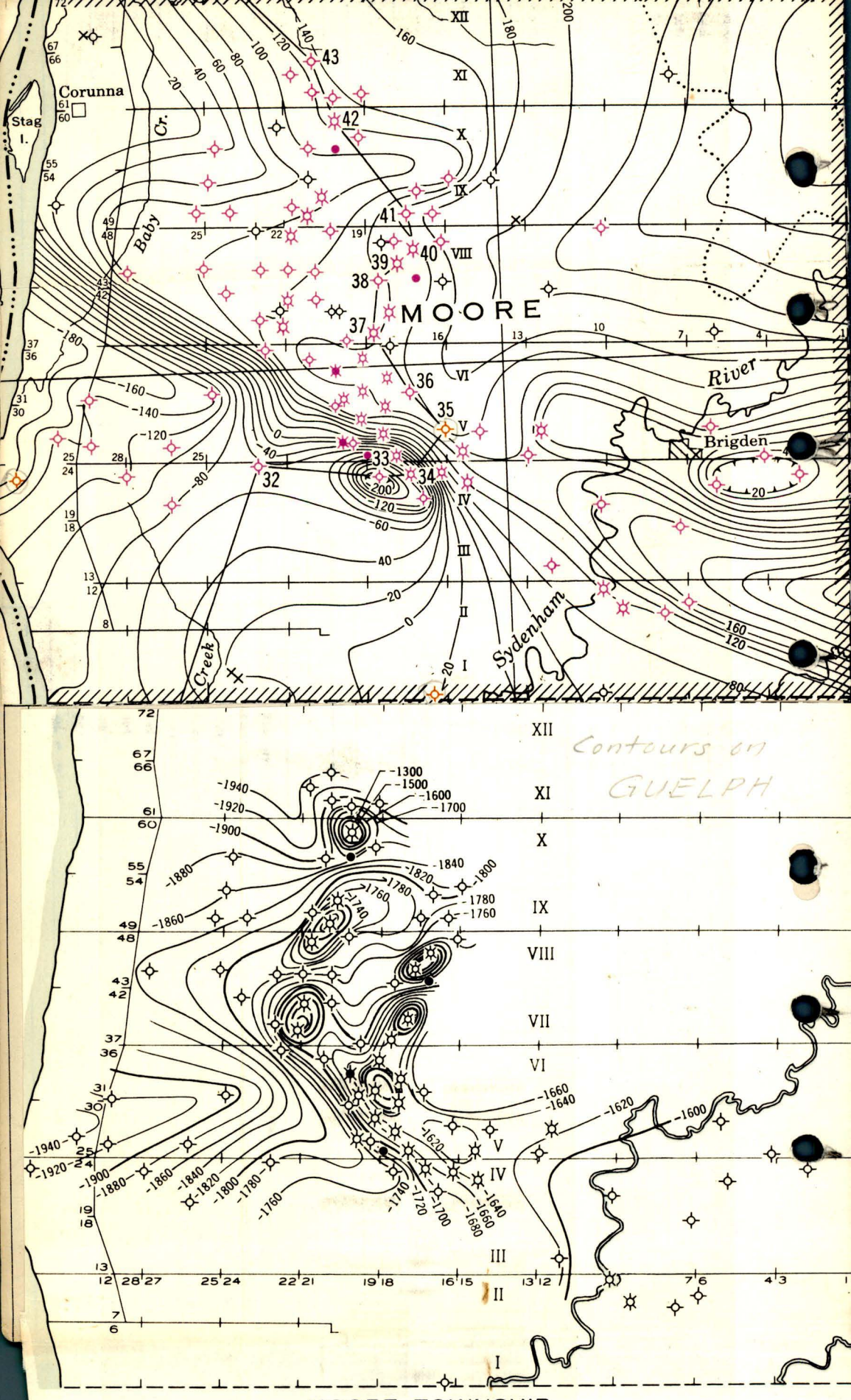
Details of the Corniferous formation in the above well are as follows:

Feet.	
395	Crystalline limestone.
400	Gray.
402½	Gray.
405	Gray, no oil.
407½	Soft.
410	Rock well browned up with oil.
412	Gray.
417½	Crystalline.
422½	Soft, browner, more crystalline.
425	Gray, oil came in.
427½	Hard.
430	Brown and sandier.
437½	Crystalline.

The Moore field is quite clearly defined by a black shale which is found south, east and west of the field at depths of 127, 100 and 132 feet respectively. In the field the top rock is at a depth of 147 to 154 feet. No producing well has been found where the black shale overlies the top rock. The "lower lime" in the wells on the edge of the field is met at a greater depth than in the middle of the field, proving quite conclusively the presence of an eroded anticline. This black shale is in all probability the upper strata of the Hamilton, which at Petrolia assumes a thickness of 296 feet.

North of the field, no shale is found overlying the "top rock" for some distance, and a few producing wells have been located. It has been thought that the oil belt ran in a direction northwest by southeast, but in this field it runs rather in a southwesterly by northeasterly direction and quite irregularly, except that as the shale is neared the wells diminish in production.

The oil is found in two horizons from fifteen to twenty feet apart of about eight to ten feet thickness. The wells are connected as shown by the fact that some wells drilled the width of 100 acres from a producing well have reduced the flow of the latter. From fifteen to twenty wells have begun pumping from 40 to 100 barrels per day. In March, at the time of the writer's visit to this field, there were twenty drilling rigs at work. All w


MOORE
Corunna
Stag I.
Cr.
Baby
Creek
River
Brigden
Sydenham
Contours on GUELPH
MOORE TOWNSHIP

MOORE TWP

SEE BRUMELL 1891 120 SS 14th
2 pages forward

Oil Springs Chronicle May 10th 65 (from Globe)
Another American Co is commencing operations on the River St Clair in Moore Twp
Globe Apr. 18th 65
Peter Marshall struck oil on lot 2 Con I Moore Twp

Dresden Times May 24th 1888 (Courtright May 14th)
Courtright Salt Co completed its 4th Natural Gas well on Saturday, all producers, and the 4th a gusher; enough gas to produce all the salt needed in Canada. Gas will be piped to the works for evaporating salt.

Ont Bur Mines 1905 page 112.
A new field can be added to the Dawnston fields which bids fair to become a good producer. Lies in the Moore field and comprises apparently lots 1 to 5 in the Con IX X and XI
The best wells are located on lots 3 and 4 in the IX and X Cons.
The field was opened up by the Moore Oil & Gas Co in July 04
Log of Davis well lot 3 Con X main Sarnia Plank Road Moore Oil & Gas Co. Second well in the field

Surface	148	148	Gas at 400 ft
Top rock	45	193	Oil at 445-450. 100 bbls/day
Upper Soap	~~125~~	318	
Middle Lime	15	333	
Lower Soap	47	380	
Big Lime	111	491	

Canniff Fairbank well			Middle Lime	15 - ~~214~~	336
Surface	143		Lower Soap	47 - ~~347~~	383
Top Rock	48	191	Big Lime	68	~~425~~ 451
Upper Soap	130	~~321~~ 374	Oil 375 to 410. Big flow 425		

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COURTRIGHT SALT CO

Log of well at Courtright Elev. 558

Drift	160	160	gas at 160
Shale (black)	32	192	Salt water at 630
Limestone	40	232	Cased at 740
Shale & limestone	310	542	
Limestone	520	1062	
Sandstone	32	1094	
Limestone	536	1630	
Salt	22	1652	
Gypsum	13	1665	

Continued Ohio Bur Mines 1905 page 112

The Moore field is quite clearly defined by a black shale which is found South East and West of the field at depths of 127, 100 and 132 respectively. In the field the top rock is at a depth of 147 to 154 feet. No producing well is found where the black shale overlies the top rock. The lower limit ~~is found at a certain~~ in the wells on the edge of the field is reached at a greater depth than in the middle of the field, proving quite conclusively the presence of an eroded anticline. The Black Shale ... at Petrolea assumes a thickness of 296 feet

South of the field, no shale is found overlying the Top Rock for some distance, and a few producing wells have been located. It has been thought that the oil belt ran in a direction of N W by S E. but it seems rather in a N W by N E direction. and quite irregularly; except that as the shale is entered the wells diminish in production

The oil is found in two horizons from 15 to 30 feet apart of about 8 to 10 feet thickness. The wells are connected as shown by the fact that some wells drilled the width of 100 acres from a producing well, reduced the flow of the latter. From 15 to 20 wells have been pumping 40 to 100 bbls/day. In March at the time of the writers visit there were 20 drilling rigs at work. All wells are shot with 20 to 45 quarts NG. There is considerable gas which is used as fuel for pumping and drilling.

MOORE

Chatham Planet May 25th 06

Wm Miller struck a well on his farm 6th-7th side road Con XII Moore Its Good for 30 bbls/day.

WDB

Chatham Planet July 31st 1914

Mr A.M. Post of Union Nat Gas Co is laying the line from Con VI Moore twp to Mooretown, then down the river to Courtright

The Old Springs Gas + Pipe Line Co has applied to Moore twp to lay pipe lines through the twp.

Chatham News Sept 24th 1920

Courtright council decided to have the Union Gas Co approach the consummers directly regarding a raise in rates to 50c M cu ft. Mr Jarvis stated emphatically that all consummers on the Sarnia line would be assured of an ample supply of gas for the winter

Delhi Dispatch June 2nd 1910.

United Fuel and Supply has 2 miles of line laid from Courtright to Petrolia. They will start next week to lay a line to Dresden.

Glencoe Transcript Aug 18th 1904

Considerable excitement in Petrolia over stocking a number of oil wells in Moore twp five miles from Petrolia. One of the wells produces 100 bbls/day

MOORE TWP

Thamesville Herald Aug 25th 04

Excitement on Petrolia over striking a number of oil wells four miles west of the town in Moore twp One of the wells produces 100 bbls/day.

BRUMELL GSC 1891 p 120SS

The Petrolia Topic there are 70 wells in Moore twp

Moore

Oil & Gas Jour Mar 1st 1934
E S Reesman Synd #1 Kerr lot 21 Con I
is below 771 feet

MOORE OIL FIELD

Out Bur Mines. 14th Rept 1905 p. 111 + 112 (Corkill)

"The Moore field comprises lots 1 to 5 in the IX X XI Con. of Moore Tp. The best wells are located in lots 3 and 4 in the IX & X The field was opened up by the Moore Oil & Gas Co in July 1904"

"The Moore field is quite clearly defined by a black shale which is found south east and west of the field at depths of 127, 100 and 132 feet respectively. In the field the top rock is at a depth of 147 to 154 feet. No producing well has been found where the black shale overlies the top rock....."

"North of the field no shale is found overlying the "top rock" for some distance and a few producing wells have been located. It has been thought that the oil belt ran in a direction NW by SE. but in this field it runs rather in a SWly by N. Ely direction and quite irregularly, except that as the shale is neared the wells diminish in production".

"The oil is found in two horizons from 15 to 20 feet apart of about 8 to 10 feet thickness. The wells are connected, as shown by the fact that some wells drilled the width of 100 acres from a producing well have reduced the flow of the latter. From 15 to 20 wells have begun pumping from 40 to 100 bbls/day. In March (1905) at the writers visit to this field, there were 20 drilling rigs at work.

"All the wells are shot with from 30 to 45 qts of nitroglycerine. In this field there is also considerable gas which is used as fuel for pumping and drilling on most of the properties

MOORE OIL FIELD

E.S.C. Summ Rept 1918 Pt E p 32. M.J. Williams.

"The Moore Twp oil field is a western extension of the Petrolia dome, the oil occurring on terraces and small domes. The general elevation of the oil formation is 80 feet lower than in the main Petrolia field; but this difference of elevation is partly offset by the oil occurring, as is usual in such cases, higher up in the formation. Thus the top of the oil stratum at Petrolia is about 118 ft below the top of the Delaware limestone, and the top of the oil stratum in the Moore field is only from 57 to 83 ft below it The top of the oil is thus from 20 to 45 ft below the oil in the main

Brumell Vol. IV 1891 p. 120 and 121 SS.

70 wells in Moore Tp.

Explorations in Moore Tp to the North West of the Petrolia field is extending the field in that direction.

Hume Econ Geol Series No. 9: 1932 page 40

The Moore Oil Field was discovered in 1904 on lot 3 Con X and was developed to comprise lots 1 to 5 Con IX, X, XI. copies M.Y. Williams

MOORE TP.

G.S.C. Summary Rep't Pt E. 1918 p. 32, 33.

"The Moore Drop oil field is a western extension of the Petrolia dome, the oil occurring on terraces and small domes. The general elevation of the oil formation is about 80 feet lower than in the main Petrolia field: but this difference in Elevation is partly offset by the oil occurring, as is usual in such cases, higher up in the formation. Thus, the top of the oil stratum at Petrolia is about 118 feet below the top of the Delaware limestone and the top of the oil stratum in the Moore field is only about 57 to 83 ft below it. The top of Hadd is thus from 20 to 45 feet below the oil in the main Petrolia field. Altho the Moore field has pumped considerable oil and several properties are still pumping, the oil bearing stratum is not thick and there is much less accumulated oil than in the Petrolia field"

"The following log furnished by John O Noble, is typical of the best of the Moore oil fields.

location near the middle of N½ lot 3. Con XI Moore Twp

Surface clay etc	164	164	
Gravel	7	171	
Upperwards is "top rock"	52	223	Gas at 415.
Petrolia shale "top soap"	120	343	Oil at 430 to 463
Widderkeds "middle lime"	15	358	
Olentangy shale "Inner soap"	40	398	
Delaware or Ourdage "Big lime"	104	502	

"Only a small part of the Moore field is now being pumped. Mr JO Noble sold out his large holdings in 1918 and except for some of the best wells, which are being operated by the farmers who own the land, the field is being for the most part stripped of everything of value, and the wells being plugged & abandoned.

"With careful management there seems no reason why production should not be maintained for sometime & come from the wells now operating."

SARNIA Twp

Chatham Plaint May 6th 98 (from Sarnia Canadian)

Mr McFall of Ohio-Penn Oil Divn Co reports a strike of oil on Geo Knight farm lot 1 Con VI Sarnia twp. At 494 ft struck a huge flow of gas which after a week turned to water and about 10 days ago, oil and water mixed flowed. No definate report on oil but 20 bbls is conservative. Gas flow so mixes the oil and water that it does not separate readily. Forty bbls was dipped out of a depression in the ground, and ditches carry away large quantities. The flow of water is so great that the 30 bbl tanks on the property fill before separation takes place. A 500 bbl tank is being built.

A singular circumstance is that the Knight well has completely taken away the gas from the big gas well on the Milner farm struck last fall by Brewer & Stokes

WDB

Elevation of wells in Moore

Salt well	SE	lot 23	RR	(1800)	595 3	585 2
do	CS½	do	do	(2100)	605 4	6
do		37	RR		598 2	

SOUTHWESTERN ONTARIO

WELL	TOWNSHIP	LOT	CONC.	SURF. ELEV.	TOTAL DEPTH	...RON Top	...RON Base	...RON Thick	HAMILT... Top	HAMILT... Base	HAMILT... Thick	DUNDEE EQUIV. Top	DUNDEE EQUIV. Base	DUNDEE EQUIV. Thick	...ROIT RIVER Top	...ROIT RIVER Base	...ROIT RIVER Thick	...SS ISLAND Top	...SS ISLAND Base	...SS ISLAND Thick	A L I N A Top	A L I N A Base	A L I N A Thick	GUELPH-LOCKP. Top	GUELPH-LOCKP. Base	GUELPH-LOCKP. Thick
Corunna 1	Moore	19	11	646	2660	+499	+436	63	+436	+156	280	+156	+51	105	+51	-424	475	-424	-530	106	-520	-1911	1391	-1911	-1995	84
" 2	"	15	9	653	2560	+514	+464	50	+464	+204	260	+204	+78	126	+78	-359	437	-359	-446	87	-446	-1809	1363	-1804	-1895	91
" 4	"	20	10	646	2181	+503	+412	91	+412	+136	276	+136	+24	112	+24	-442	466	-442	-565	123	-565	-1654	1089	-1634		
" 5	"	20	10	649	2575	+503	+397	106	+397	+183	214	+183	+18	165	+18	-447	465	-447	-574	127	-571	-1881	1310	-1681		
" 6	"	20	11	641	2661	+506	+397	109	+397	+134	263	+134	+22	112	+22	-357	379	-457	-579	122	-579	-1725	1346	-1925	-2014	89
" 7	"	19	10	646	2620	+501	+439	62	+439	+168	271	+168	+58	110	+58	-393	451	-393	-520	127	-520	-1654	1334	-1854	-1959	105
" 8	"	20	11	635	2626	+505	+415	90	+415	+185	230	+135	+16	119	+16	-455	471	-455	-589	134	-589	-1884	1352	-1941		
" 9	"	21	10	645	2657	+505	+393	112	+393	+116	277	+115	-3	118	-3	-479	476	-479	-604	125	-604	-1905	1301	-1905	-1992	87
" 10	"	20	11	645	2654	+500	+399	101	+399	+135	264	+135	+31	104	+31	-436	467	-436	-541	105	-541	-1903	1362	-1903	-2002	98
Corunna 3	"	14	9	650	659	+517	+466	51	+466	+189	277	+189	+77	112	+77											
d Payne 1	Moore	21	7	638	2010	+576	+382	134	+382	+128	254	+128	+25	103	+25	-462	487	-462	-545	83	-545					
" 2	"	22	8	643	2515	+503	+373	130	+373	+117	256	+117	+13	104	+13	-491	504	-491	-587	96	-587	-1785	1198	-1785	-1859	74
" 3	"	20	8	641	2520	+503	+406	97	+406	+131	275	+131	+23	108	+23	-475	498	-475	-559	84	-559	-1764	1205	-1764	-1959	95
" 4	"	22	7	634	1996	+507	+389	118	+389	+137	252	+137	+36	101	+36	-473	509	-473	-557	84	-557	-1362	805	-1362	-1846	484
" 5	"	21	8	644	2523	+494	+362	132	+362	+110	252	+110	+3	107	+3	-493	496	-493	-573	80	-573	-1783	1210	-1783	-1972	89
" 6	"	20	7	638	2476	+504	+404	100	+404	+130	274	+130	+31	99	+31	-469	500	-469	-551	82	-551	-1704	1153	-1704	-1831	127
" 7	"	23	7	635	2494	+500	+371	129	+371	+120	251	+120	+22	98	+22	-472	494	-472	-562	90	-562	-1724	1162	-1724	-1850	126
*Colinville 2	Moore	16	9	652	2523	+515	+451	64	+451	+182	269	+182	+69	113	+69	-434	503	-434	-536	102	-536	-1759	1223	-1759	-1865	106
* " 3	"	17	9	654	2540	+519	+430	89	+430	+171	259	+171	+62	109	+62	-434	496	-434	-540	106	-540	-1783	1243	-1782	-1868	85
* " 4	"	16	8	648	2528	+513	+440	73	+440	+182	258	+182	+74	108	+74	-417	491	-417	-505	88	-505	-1742	1237	-1742	-1861	119
* " 5	"	17	9	657	2505	+516	+447	69	+447	+186	261	+186	+70	116	+70	-409	479	-409	-501	92	-501	-1799	1298	-1799		
d " 6	"	17	8	648	2491	+505	+408	97	+408	+158	255	+153	+36	117	+36	-456	492	-456	-547	91	-547	-1437	890	-1437		
" 7	"	17	8	647	2071	+504	+415	89	+415	+147	268	+147	+39	108	+39	-458	497	-458	-552	94	-552	-1419	867	-1419		
" 8	"	18	8	641	2497	+500	+397	103	+397	+133	264	+133	+23	110	+23	-449	472	-449	-535	86	-535	-1745	1210	-1745	-1852	107
" 9	"	17	8	643	2382	+493	+414	79	+414	+147	267	+147	+49	98	+49	-445	494	-445	-535	90	-535					
" 10	"	17	8	650	2586	+500	+408	92	+408	+139	269	+139	+40	99	+40	-461	501	-461	-552	91	-552	-1792	1240	-1792	-1880	86

* Wildcat well
d discovery well

SOUTHWESTERN ONTARIO

WELL	TOWNSHIP	LOT	CONC.	ELEV.	TOTAL DEPTH	HURON			HAMILTON			DUNDEE EQUIV.			DETROIT RIVER			BASS ISLAND			SALINA			GUELPH-LOCKP.		
						Top	Base	Thick.	Top	Base	Thick.	Top	Base	Thick.	Top	Base	Thick.	Top	Base	Thick.	Top	Base	Thick.	Top	Base	Thick.
Kimball 1	Moore	18	5	628	2480	+488	+158	330	+158	-102	260	-102	-207	105	-207	-727	520	-727	-842	115	-842	-1737	895	-1737	-1847	110
" 2	"	17	4	628	2299	+488	+196	292	+196	-107	303	-107	-252	105	-252	-782	530	-782	-868	86	-868	-1667	799	-1667		
" 3	"	16	4	628	2195	+524	+353	171	+353	+78	275	+78	-50	128	-50	-548	498	-548	-637	89	-637					
" 4	"	16	4	625	2340	+455	+165	290	+165	-155	320	-155	-285	130	-285	-920	635	-920	-1015	95	-1015					
" 5	"	15	4	626	2387	+489	+368	121	+368	+108	260	+108	+12	96	+12	-477	489	-477	-562	85	-562	-1639	1077	-1639	-1742	103
" 6	"	15	5	627	2148	+493	+382	111	+382	+127	255	+127	+12	115	+12	-463	475	-463	-558	95	-558					
" 7	"	17	5	628	2195	+489	+223	266	+223	-79	302	-79	-195	116	-195	-687	492	-687	-771	84	-771					
" 8	"	17	5	630	2225	+495	+355	140	+355	+101	254	+101	+10	91	+10	-486	496	-486	-565	79	-565					
" 9	"	14	5	628	2175	+496	+406	90	+406	+148	258	+148	+43	105	+43	-432	475	-432	-524	92	-524					
" 10	"	18	4	626	2442	+436	+81	355	+81	-204	285	-204	-304	100	-304	-825	521	-825	-909	84	-909	-1774	865	-1714		
" 11	"	12	5	629	2170	+502	+406	96	+406	+150	256	+150	+49	101	+49	-464	513	-464	-544	80	-544					
" 12	"	18	5	630	2184	+490	+330	160	+330	+60	270	+60	-45	105	-45	-540	495	-540	-620	80	-620					
" 13	"	16	5	630	4220	+498	+388	110	+388	+163	225	+163	+56	107	+56	-440	496	-440	-527	87	-527	-1620	1093	-1620	-1742	122
" 14	"	19	5	630	2103	+502	+370	132	+370	+115	255	+115	+17	98	+17	-492	509	-492	-583	91	-583					
" 15	"	20	5	632	2195	+505	+382	123	+382	+127	255	+127	+24	103	+24	-489	513	-489	-577	88	-577					
" 16	"	18	5	631	2155	+498	+399	99	+399	+149	250	+149	+52	97	+52	-467	519	-467	-542	75	-542					
" 17	"	19	6	639	2049	+494	+389	105	+389	+142	247	+142	+39	103	+39	-457	496	-457	-557	100	-557					
" 18	"	18	6	638	2209	+500	+413	87	+413	+153	260	+153	+62	91	+62	-445	507	-445	-527	82	-527					
" 19	"	19	6	635	2189	+496	+400	96	+400	+146	254	+146	+30	116	+30	-465	495	-465	-559	94	-559					
" 20	"	19	7	637	2457	+498	+392	106	+392	+144	248	+144	+33	111	+33	-463	496	-463	-545	82	-545	-1709	1164	-1709	-1811	102
" 21	"	20	6	633	2288	+499	+403	96	+403	+148	255	+148	+36	112	+36	-462	498	-462	-545	83	-545					
" 22	"	17	6	633	2403	+499	+403	96	+403	+154	249	+154	+55	99	+55	-445	500	-445	-528	83	-528	-1670	1142	-1670	-1760	90
" 23	"	19	6	631	2455	+501	+381	120	+381	+129	252	+129	+23	106	+23	-484	507	-484	-571	87	-571	-1647	1076	-1647	-1769	122
" 24	"	21	6	634	2450	+498	+401	97	+401	+152	249	+152	+46	106	+46	-453	499	-453	-529	76	-529	-1693	1164	-1693	-1809	116
" 25	"	19	5	629	2355	+494	+249	245	+249	-1	250	-1	-93	92	-93	-623	530	-623	-757	134	-757					
" 26	"	19	5	627	2230	+488	+258	230	+258	+3	255	+3	-83	86	-83	-610	527	-610	-702	92	-702					
" 27	"	18	7	637	2273	+497	+392	105	+392	+137	255	+137	+36	101	+36	-482	518	-482	-566	84	-566	-1605	1039	-1605		
" 28	"	18	7	638	2016	+496	+409	87	+409	+143	266	+143	+26	117	+26	-467	493	-467	-548	81	-548	-1373	825	-1373		

L	TOWNSHIP	LOT	CONC	SURF. ELEV.	TOTAL DEPTH	...RON			HAMILTON			DUNDEE EQUIV.			...ROIT RIVER			...SS ISLAND			SALINA			GUELPH-LOCKP.		
						Top	Base	Thick.	Top	Base	Thick	Top	Base	Thick.	Top	Base	Thick	Top	Base	Thick.	Top	Base	Thick.	Top	Base	Thick.
ght 1	Moore	23	4	627	2465	+486	+177	309	+177	-63	240	-63	-163	100	-163	-654	491	-654	-767	113	-767	-1776	1009	-1776		
2	"	27	4	625	2638	+452	+125	327	+125	-121	246	-121	-225	104	-225	-718	493	-718	-829	111	-829	-1877	1048	-1877	-1990	113
3	"	27	RR	621	2665	+321	+111	210	+111	-140	251	-140	-246	106	-246	-730	484	-730	-835	105	-835	-1938	1103	-1938	2034	96
4	"	29	5	627	2650	+264	+110	154	+110	-139	249	-139	-231	92	-231	-712	481	-712	-805	93	-805	-1922	1117	-1922	2015	93
5	"	29	6	624	2630	+344	+119	225	+119	-136	255	-136	-228	92	-228	-726	498	-726	-798	72	-798	-1914	1116	-1914	-2021	107
6	"	26	5	627	2618	+347	+142	205	+142	-108	250	-108	-223	115	-223	-700	477	-700	-781	81	-781	-1668	1087	-1867	-1979	111
reek 1	"	25	9	643	2587	+503	+338	165	+338	+81	257	+81	-28	109	-28	-523	495	-523	-581	58	-581	-1846	1265	-1846		
" 2	"	24	9	647	2620	+510	+347	163	+347	+87	260	+87	-23	110	-23	-514	491	-514	-579	65	-579	-1840	1261	-1840	-1933	93
" 3	"	24	9	643	2622	+493	+323	170	+323	+55	268	+55	-50	105	-50	-549	499	-549	-644	95	-644	-1866	1222	-1866	-1971	105
" 4	"	25	8	641	2547	+516	+364	152	+364	+101	263	+101	-1	102	-1	-502	501	-502	-579	77	-579	-1886	1307	-1886	-1999	93
" 5	"	24	10	643	2630	+498	+323	175	+323	+58	265	+58	-50	108	-50	-569	519	-569	-663	94	-663	-1875	1212	-1875	-1971	96
o 1	"	12	3	629	2398	+485	+337	148	+337	+92	245	+92	-18	110	-18	-528	510	-528	-613	85	-613	-1628	1015	-1628		
ith 1	"	24	4	623	2600	+323	+148	175	+148	-107	255	-107	-198	91	-198	-682	484	-682	-810	128	-810	-1850	1040	-1550	-1959	109
1	"	21	11	638	2665	+508	+390	118	+390	+106	284	+106	-4	110	-4	-474	470	-474	-595	121	-595	-1938	1343	-1938	-2037	99
own 1	"	27	8	640	2590	+500	+342	158	+342	+91	251	+91	-20	111	-20	-544	524	-544	-625	81	-625	-1825	1200	-1825	-1939	114
on 1	"	24	6	628	2644	+463	+153	310	+153	-102	255	-102	-217	115	-217	-697	480	-697	-772	75	-772	-1867	1095	-1867	-1962	95
21-9	Moore	21	9		2605	+508	+374	134	+374	+97	277	+97	+2	95	+2	-513	515	-513	-587	74	-587	-1482	895	-1482	1927	445
on 3	"	20	9	653	2387	+503	+379	124	+379	+106	273	+106	-2	108	-2	-509	507	-508	-576	67	-576					
4	"	21	8	652	2314	+517	+371	146	+371	+103	268	+103	-3	106	-3	-510	507	-510	-612	102	-612					
1	Moore	18	8	646	850	+493	+393	100	+393	+143	250	+143														
1	"	13	9	647	780	+514	+454	60	+454	+189	265	+189														
he 1	"	18	6	635	600	+495	+405	90	+405	+150	255	+150	+43	107	+43											
e 1	"	16	8	638	586	+503	+433	70	+433	+153	280	+153	+58	95	+58											
ns 1	"	23	8	650	825	+517	+364	153	+364	+94	270	+94	-7	101	-7											
ton 1	"	20	7	637	575	+503	+392	111	+392	+138	254	+138		-												
9	"	22	7	638	615	+503	+378	125	+378	+118	260	+118														
le 1	"	12	7	637	660	+513	+437	76	+437	+180	257	+180	+77	103	+77											

Payne, Corunna, Colinville, Waubuno, and Seckerton Gas Pools. These pools are located in the northwest part of Moore township. They are directly north and northwest of the Kimball gas pool except for the Waubuno pool, which is approximately 2 miles southeast of the Kimball field.

The Payne pool was discovered in 1949, this being the first of several similar gas pools to be discovered in Moore township. The Corunna pool was discovered in 1950, followed by Colinville and Waubuno in 1951 and Seckerton in 1952.

In the Payne area, there are two producing wells on lots 21 and 22, con. VII, with an initial production of 40,000 Mcf. and 9,500 Mcf. a day respectively. The Corunna pool consists of one well on lot 20, con. X, with an initial production of 7,500 Mcf. a day. There are two gas wells in the Colinville pool on lot 17, con. VIII, with an initial production of 6,200 Mcf. and 7,200 Mcf. a day respectively. The Waubuno pool consists of two gas wells on lots 9 and 10, con. II, with an initial production of 850 Mcf. and 7,400 Mcf. a day respectively. The Seckerton pool lies in lot 21, con. VIII, and lots 20 and 21, con. IX. Three gas wells came into production from it during 1952 with 6,500 Mcf., 1,045 Mcf., and 4,750 Mcf. a day respectively. Production is obtained mainly from the Guelph formation, but where unit A-1 is present, even if thin, production may also be obtained from the lower Salina.

Structure contours on top of the Guelph formation (Map 1042A, inset) show a high dome, characteristic of reef structure, over each of the above pools.

Kimball Gas Field. The Kimball gas field lies in lots 15 to 17, con. IV; lots 12, 15, and 17 to 19, con. V; lots 18 to 20, con. VI; and lot 18, con. VII; Moore township. The field was discovered in 1947, and since that time twenty-eight wells have been completed, fifteen of which are gas wells; two wells produce both oil and gas; one is an oil well; and ten are dry holes. The gas wells varied in initial production from 100 Mcf. to 39,000 Mcf. a day, and the oil wells from 4 to 10 barrels a day. Production is from unit A-1 of the lower Salina, and in two places, where reef structures are present, from the Guelph formation. Production figures are not available for the Kimball field alone, but include Payne, Corunna, Colinville, and Seckerton gas pools. To the end of 1952, combined production was about 9,002,835 Mcf. of gas, and for 1952 was 2,651,152 Mcf. of gas. Approximately 2,991 barrels of oil were recovered during 1951 and 1952. Production for 1952 was 1,485 barrels from six operating wells.

Structure contours on top of the Guelph formation suggest a northwest trending anticline that swings to the northeast (Map 1042A, inset). Reefs are common in the northern part of the field.

The following deep test well illustrates the succession of strata above the Precambrian in this area.

Log of Imperial Oil Limited Well No. 173 (Kimball No. 13)

Location: lot 16, con. V, Moore tp.
Elevation: 630 feet.

—	Thickness	Depth
	Feet	Feet
Drift	132	132
DEVONIAN		
KETTLE POINT		
Shale: black, bituminous; spores; some light olive-green shale at base	87	219
HAMILTON		
IPPERWASH		
Limestone: grey-buff, argillaceous, fine to crystalline, pyritic	15	234
Shale: grey, calcareous; a few fragments of buff crystalline limestone	8	242
Limestone: grey and brown, finely crystalline, argillaceous in part; some grey shale	72	314

—	Thickness	Depth
	Feet	Feet
PETROLIA		
Shale: grey, calcareous, fissile, fossiliferous	105	419
WIDDER		
Limestone: greyish brown, finely crystalline, argillaceous	11	430
OLENTANGY		
Shale: grey, calcareous, firm to fissile, fossiliferous	37	467
Limestone: brownish grey, finely crystalline, shaly, pyritic, fossiliferous	7	474
DUNDEE		
Limestone: buff and brown, finely crystalline, pyritic, fossiliferous	71	545
Limestone: buff, finely crystalline, arenaceous, fossiliferous	16	561
Limestone: clastic, light buff, fine grained, very sandy throughout	13	574
DETROIT RIVER AND BOIS BLANC		
Dolomite: light buff to brown, fine sugary texture	94	668
Dolomite: buff, very sandy throughout; large rounded and frosted quartz grains	8	676
Dolomite: buff to brown, finely crystalline, sugary texture; some gypsum	51	727
Anhydrite; a few fragments of buff finely crystalline dolomite	10	737
Dolomite: buff, finely crystalline	108	845
Limestone: dolomitic, buff, fine to crystalline, good intergranular porosity	15	860
Dolomite: calcareous, buff to brown, fine to crystalline; some light brown chert	38	898
Limestone: dolomitic, arenaceous; grey and brown chert	29	927
Limestone: dolomitic, grey to brown, fine to crystalline; much chert	29	956
Limestone: grey-buff, arenaceous; much grey chert	80	1,036
Limestone: grey, finely crystalline, cherty, arenaceous; minor grey, quartzose, glauconitic sandstone	34	1,070
SILURIAN		
BASS ISLAND		
Dolomite: grey-buff and brown, finely crystalline; oolitic at 1,080 and 1,106 feet	82	1,152
SALINA		
Dolomite: grey to buff, finely crystalline, argillaceous in part; anhydrite	61	1,213
Shale: dark grey, dolomitic, grading to grey, shaly dolomite; anhydrite	18	1,231
Dolomite and dolomitic shale: buff to grey, finely crystalline; pink anhydrite	18	1,249
Shale: red and green; pink anhydrite	55	1,304
Dolomite: buff and grey, finely crystalline, argillaceous in part; some dolomitic shale; anhydrite	73	1,377
Salt; some buff to grey shaly dolomite	10	1,411
Dolomite: buff to grey, finely crystalline; anyhdrite	10	1,421
Anhydrite; some buff dolomite	7	1,428
Dolomite: grey to buff, finely crystalline; dolomitic shale at 1,440 feet; anhydrite	42	1,470
Anhydrite; some shaly dolomite	8	1,478
Dolomite: grey, shaly, finely crystalline; anhydrite	10	1,488

	Thickness	Depth
	Feet	Feet
SALINA—Conc.		
Salt	13	1,501
Dolomite: buff to grey, shaly, finely crystalline	7	1,508
Salt; some dolomite	8	1,516
Shale: greyish green, dolomitic; anhydrite	8	1,524
Dolomite: buff to grey, shaly, finely crystalline; anhydrite	14	1,538
Shale: greyish green, dolomitic; anhydrite	29	1,567
Anhydrite; some grey shaly dolomite	13	1,580
Dolomite: grey, shaly; grading to greyish green dolomitic shale; anyhdrite	12	1,592
Upper Salt		
Salt; scattered fragments of dolomite	263	1,855
Unit A-2		
Dolomite: buff-brown, fine, sugary texture	8	1,863
Limestone: dolomitic, brown, cryptocrystalline	34	1,897
Dolomite: buff, fine sugary texture; much anhydrite	8	1,905
Limestone: dolomitic, buff to brown, finely crystalline; argillaceous at 1,925 feet	54	1,959
Shale: grey, calcareous	6	1,965
Limestone: dolomitic, argillaceous, finely crystalline	23	1,988
Anhydrite; some grey to buff limestone	16	2,004
Salt	104	2,108
Anhydrite and salt; some buff dolomite	6	2,114
Unit A-1		
Dolomite: buff-brown, crystalline; anhydrite	2	2,116
Limestone: dolomitic, cryptocrystalline	29	2,145
Limestone: greyish brown, sub-lithographic, argillaceous; anhydrite at base	90	2,235
Anhydrite	15	2,250
GUELPH AND LOCKPORT		
Dolomite: buff, crystalline	19	2,269
Dolomite: buff to grey, crystalline	97	2,366
CLINTON GROUP		
Rochester		
Shale: dolomitic, dark grey; grading to grey, shaly dolomite	42	2,408
Irondequoit-Reynales		
Dolomite: light buff, finely crystalline	10	2,418
CATARACT GROUP		
Cabot Head		
Shale: red and green, dolomitic	8	2,424
Shale: greenish grey, fissile	7	2,431
Shale: grey and green with interbeds of grey shaly dolomite	43	2,474
Manitoulin		
Dolomite and shaly dolomite: grey to buff, crystalline	68	2,542
Shale: medium grey, dolomitic	16	2,558

—	Thickness	Depth
	Feet	Feet
ORDOVICIAN		
QUEENSTON		
Shale: red and green	14	2,572
Shale: brick-red; some interbedded greyish green shaly limestone	113	2,685
Limestone: grey and greyish green; minor red and green shale	14	2,699
Shale: red and green, calcareous; some red and grey shaly limestone	101	2,800
Shale: calcareous, brick-red; some olive-green shale	21	2,821
MEAFORD AND DUNDAS		
Shale: dark grey and greyish green; some grey to buff, shaly and silty limestone throughout	164	2,985
Shale: dark grey, firm	31	3,016
Shale: dark grey, silty in part; a few fragments of grey, shaly and silty limestone	16	3,032
BILLINGS		
Shale: dark grey, slightly bituminous; some grey siltstone	6	3,038
Shale: dark grey, firm, bituminous in part	37	3,075
Shale: dark grey; a few fragments of grey, shaly to silty limestone	45	3,120
Shale: dark grey, firm	60	3,180
TRENTON AND BLACK RIVER GROUPS		
Dolomite: calcareous, brown, crystalline; grading to finely crystalline limestone	7	3,187
Limestone: brown and buff-brown, finely crystalline; argillaceous in part; fossiliferous	166	3,353
Limestone: buff to grey-brown, fine to crystalline, very fossiliferous; fragmental in part	40	3,393
Limestone: buff to grey-brown, argillaceous, fine to crystalline, fossiliferous	27	3,420
Limestone: buff, fragmental, and grey, finely crystalline, shaly	14	3,434
Limestone: buff to brown, fine to crystalline, argillaceous in part; some fragmental limestone at 3,461 feet	60	3,494
Limestone: light buff to brown, crystalline, argillaceous in part, fossiliferous; fragmental at base	68	3,562
Limestone: greyish brown, finely crystalline, argillaceous	13	3,575
Limestone: as above, interbedded with light buff fragmental limestone; very argillaceous at base	114	3,689
Limestone: dolomitic, fragmental, buff; some chert	13	3,702
Limestone: buff to brown, sub-lithographic	55	3,757
Dolomite: calcareous, buff, fine to crystalline	14	3,771
Limestone: brown and greyish brown, very dense, sub-lithographic; slightly argillaceous in places	343	4,114
Limestone: grey-buff, finely crystalline; some dark grey shale	26	4,140
Limestone: brownish grey, finely crystalline, fossiliferous	28	4,168
BASAL BEDS		
Sandstone: olive-green, shaly, with large rounded and frosted quartz grains; some green, sandy shale	23	4,191
Arkose: green and red	17	4,208
PRECAMBRIAN		
Granitic rocks	12	4,220

Payne, Corunna, Colinville, Waubuno, and Seckerton Gas Pools. These pools are located in the northwest part of Moore township. They are directly north and northwest of the Kimball gas pool except for the Waubuno pool, which is approximately 2 miles southeast of the Kimball field.

The Payne pool was discovered in 1949, this being the first of several similar gas pools to be discovered in Moore township. The Corunna pool was discovered in 1950, followed by Colinville and Waubuno in 1951 and Seckerton in 1952.

In the Payne area, there are two producing wells on lots 21 and 22, con. VII, with an initial production of 40,000 Mcf. and 9,500 Mcf. a day respectively. The Corunna pool consists of one well on lot 20, con. X, with an initial production of 7,500 Mcf. a day. There are two gas wells in the Colinville pool on lot 17, con. VIII, with an initial production of 6,200 Mcf. and 7,200 Mcf. a day respectively. The Waubuno pool consists of two gas wells on lots 9 and 10, con. II, with an initial production of 850 Mcf. and 7,400 Mcf. a day respectively. The Seckerton pool lies in lot 21, con. VIII, and lots 20 and 21, con. IX. Three gas wells came into production from it during 1952 with 6,500 Mcf., 1,045 Mcf., and 4,750 Mcf. a day respectively. Production is obtained mainly from the Guelph formation, but where unit A-1 is present, even if thin, production may also be obtained from the lower Salina.

Structure contours on top of the Guelph formation (Map 1042A, inset) show a high dome, characteristic of reef structure, over each of the above pools.

The following log illustrates the lithology of the "Payne" discovery well.

Log of Imperial Oil Limited Well No. 222 (Payne No. 1)

Location: lot 21, con. VII, Moore tp.
Elevation: 638 feet.

——	Thickness	Depth
	Feet	Feet
Drift	122	122
DEVONIAN		
KETTLE POINT		
Shale: black, bituminous; spore cases; pyrite	124	246
HAMILTON		
IPPERWASH		
Shale: light greenish grey, fissile	10	256
Limestone: grey to buff, shaly in part; some light grey shale	99	355
PETROLIA		
Shale: grey, calcareous, pyritic	90	445
WIDDER		
Limestone: grey, argillaceous to silty, finely crystalline	15	460
OLENTANGY		
Shale: grey, calcareous, fissile, fossiliferous	50	510

—	Thickness	Depth
	Feet	Feet
DUNDEE		
Limestone: light grey and buff, finely crystalline; occasional spores; arenaceous at 578 feet	75	585
Limestone: buff, very sandy throughout; spores	28	613
DETROIT RIVER AND BOIS BLANC		
Dolomite: grey-buff and brown, sugary texture; heavily oil stained in part	78	691
Dolomite: buff, finely crystalline; occasional gypsum	147	838
Dolomite: light grey, arenaceous	7	845
Dolomite: buff to brown, finely crystalline	66	911
Dolomite: grey-buff, finely crystalline, arenaceous	14	925
Dolomite: calcareous, clastic, medium grained; some white chert	32	957
Dolomite: grey and buff, finely crystalline, sandy; white sandy chert	34	991
Dolomite: calcareous, grey and buff, very sandy throughout; much white chert	58	1,049
Limestone and dolomitic limestone: grey, finely crystalline, arenaceous; white chert	35	1,084
Sandstone: light grey, fine grained, glauconitic; some chert and cherty limestone	12	1,096
SILURIAN		
BASS ISLAND		
Dolomite: light grey and buff, finely crystalline; oolitic at 1,156 feet	87	1,183
SALINA		
Dolomite: buff and grey, finely crystalline, argillaceous in part; anhydrite	71	1,254
Shale: dark grey, dolomitic; grading to greyish brown, shaly dolomite; anhydrite	6	1,260
Dolomite: grey and brown, shaly in part; grading to dark grey dolomitic shale; anhydrite	28	1,288
Shale: grey, dolomitic; some red and green mottled shale and shaly dolomite; pink anhydrite	38	1,326
Dolomite: grey and buff, finely crystalline, shaly in part; some dark grey shale at 1,340 feet; anhydrite	96	1,422
Salt	29	1,451
Salt; some buff shaly dolomite	14	1,465
Salt	16	1,481
Dolomite: buff and grey, finely crystalline, argillaceous; much anhydrite	82	1,563
Salt; some buff dolomite and anhydrite	28	1,591
Shale: grey, dolomitic; shaly dolomite; much anhydrite	56	1,647
UPPER SALT		
Salt; some dolomite with anhydrite	199	1,846
UNIT A-2		
Dolomite: buff, finely crystalline, sugary texture	37	1,883
Anhydrite; minor dolomite	9	1,892
Dolomite: buff to brown, cryptocrystalline; anhydrite	8	1,900
Dolomite: calcareous, grey and buff, finely crystalline, argillaceous	29	1,929
Limestone: dolomitic, grey to buff, finely crystalline; some dark grey dolomitic shale	10	1,939
Anhydrite; minor light buff, finely crystalline, dolomitic limestone	25	1,964
GUELPH		
Limestone: dolomitic, grey-buff, crystalline; very good intergranular to vuggy porosity	6	1,970
Samples missing	40	2,010

Moore Oil Field. This field forms a western extension of the main Petrolia field, and occupies lots 1 to 5, cons. VIII to XII, Moore tp. The field was discovered about 1904. Development was rapid, the several hundred wells having been completed during the ensuing 4 years. In 1915, there were about two hundred[1] wells still producing in this field.

The wells are 470 to 500 feet deep. According to Williams,[2] the oil-bearing strata are 57 to 83 feet below the top of the Delaware limestone (Norfolk formation). This is somewhat higher in the formation than at Petrolia, where the main producing horizon is 115 to 130 feet below the top of the Norfolk. Although the general elevation of the top of this formation is 80 feet lower than in the main Petrolia field, the difference in elevation of the oil-bearing strata in the two pools is perhaps only half that figure.

So far as is known the Moore field has produced continuously since its discovery, but no production figures are available for the years 1911 to 1917, inclusive. To the end of 1943, about 360,572 barrels of oil are known to have been recovered. Peak production was in 1905, with a yield of 93,815 barrels. Production in 1943 was about 332 barrels. In 1942, the pool produced 806 barrels from twelve operating wells, a yield of about 67 barrels a well. The initial yield of some of the best wells was 40 to 100 barrels a day.

Available well records indicate that gas accompanied the oil in most wells. However, some wells did encounter gas at levels higher than the oil.

During the years 1934 and 1935, four wells were drilled within the Moore field. Of these, one was dry and three had initial yields of ½, 1, and 2 barrels of oil a day respectively. There has been no further drilling in this field.

The general structure, as shown on the accompanying structure diagram, is a northwest-trending elongate dome with about 20 feet of closure. Williams[3] states that the oil occurs on terraces and small domes.

The stratigraphy is essentially similar to that of the main Petrolia field, as illustrated by the log of MacIntosh Oil and Gas Company well No. 1. The following table of well logs shows the drillers' interpretation of the stratigraphy of the Moore field. MOORE TWP

Location	Lot 4, con. VIII	Lot 2, con. X	Lot 5, con. X	Lot 1, con. IX	Lot 4, con. X	Lot 2, con. XI	Lot 4, con. XII	Lot 2, con. VIII
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet
Glacial drift	125	149	150	142	150	160	153	103
Black shale (Kettle Point)	.....	.....	.....	.....	.....	.....	.....	7
Top rock	90	55	50	48	62	40	55	90
Upper soap (Hamilton)	120	120	122	142	120	125	120	119
Middle lime (Hamilton)	15	15	13	18	13	18	15	15
Lower soap (Hamilton)	35	47	45	48	50	50	45	43
Big lime (Norfolk)	85	99	96	72	69	97	124	113
Total depth	470	485	476	470	464	490	512	490
Depth to big lime	385	386	380	398	395	395	388	377
Oil at	404	390 410 435	..... 460	413 430 447	..... 422	425 463	445 450	445 .....
Gas at	404	390	.....	413 430 447	422	463	445	445
Water at	125	.....	145	154	.....	172	.....	103

[1]Clapp, E. G.: Canada, Dept. of Mines, Mines Branch, Pub. 291, p. 183 (1915).
[2]Williams, M. Y.: Geol. Surv., Canada, Sum. Rept. 1918, pt. E, p. 32.
[3]Williams, M. Y.: Op. cit.

Plympton-Sarnia Oil Field. This field lies in the southwest part of Plympton township, and extends northwestward into Sarnia township. At the closest point it is less than 2 miles from the north boundary of the main Petrolia field. The field was opened before the turn of the present century. The wells range from 400 to 550 feet in depth and the oil occurs about 100 feet below the top of the Norfolk formation.

Considerable quantities of gas occurred in this field. It was largely wasted, although a small volume was used in gas engines and as a domestic fuel. By about 1918 the field had greatly deteriorated, and operations were being carried on chiefly by farmers during slack times[1].

The field was developed on a low anticline trending northwest from near the main Petrolia structure. A small dome with less than 20 feet of closure appears to be present at the northern end of the anticline. This dome occupies lots 1 to 6, con. VI, Sarnia tp., and was apparently the point of accumulation for a small oil pool discovered about 1898.

Plympton Township. Outside the old Plympton-Sarnia field at least forty-five wells have been drilled. Most of these penetrate only into the Norfolk formation and range from 435 to 695 feet in depth. So far as is known, none of these wells encountered gas or oil in commercial quantity, although many had shows of gas and a few had shows of oil. A well on lot 18, con. IV, Plympton tp., is reported to have had an initial yield of ½ barrel of oil and 20,000 cubic feet of gas a day. In 1935 a well on lot 22, con. IX, penetrated the Salina formation, reaching a depth of 1,850 feet. Shows of oil and gas were encountered in the Norfolk formation. In 1940, a well drilled on lot 3, con. V, reached the Queenston formation, and a small show of gas was encountered in the Guelph formation at a depth of 2,610 feet.

Sarnia Township. The southeastern part of Sarnia township, comprising lots 1 to 9, cons. I to III, forms an extension of the main Petrolia field. This district contains several hundred wells, about two hundred of which were still producing in 1915 after some 25 years of operation.

Production for the period 1917 to 1942 was about 45,500 barrels. In 1921, production was 4,069 barrels from one hundred and eleven operating wells, but by 1942, this had declined to 236 barrels from fifteen wells.

During the years 1921 to 1923, at least eighteen wells were drilled on lots 8 to 19, cons. VII and VIII, Sarnia tp. Most of these obtained natural gas with initial yields ranging from 10 M to 255 M cubic feet a day. Production is from the Norfolk formation at depths of 30 to 100 feet below the top.

In 1925, gas production from Sarnia township was 2,100 M cubic feet from seventeen wells. In 1942 it had declined to 800 M cubic feet from thirteen wells. During the same period, the rock pressure had declined from about 71 to 35 pounds a square inch. Structurally, accumulation appears to be related to a low open ridge or nose on the general west-dipping surface of the Norfolk formation.

The following log of a well on lot 13, con. VII, Sarnia tp., completed from drillers' records, is typical of the stratigraphic succession in this region.

Formation		Description	Thickness	Depth
			Feet	Feet
Surface		Glacial drift	126	126
Hamilton	Ipperwash (top rock)	Grey limestone	74	200
	Petrolia (upper soap)	Grey shale	165	365
	Widder (middle lime)	Grey limestone	5	370
	Olentangy (lower soap)	Grey shale	65	435
Norfolk		Grey limestone	90	525

Gas: 35,000 cubic feet a day at a depth of 525 feet.
Rock pressure: 88 pounds a square inch.
Drilled: 1923.

[1]Williams, M. Y.: Geol. Surv., Canada, Sum. Rept. 1918, pt. E, p. 33 (1918).

MOORE TWP

Sandford

Lot	Con	Owner	Location	Year	Elev.	Total Depth	Bedrock Form.	Depth Prod.	Prod Form.		Thickness of Drift.		
27	RR	Imperial Oil M Burgess #1	200' N - 1600' W	1950	621	2665	Pt Lambton	...	---	Dry		150	Fresh water 130', Sulp 863 & 925 Show of gas 2564
51	RR	M.D. Kennedy Mrs M Bell #1	140' E of Hy 40. 132' S N of S	1945	638	900	Kettle Pt	--	---	Dry		164	not completed
10	1	Petromine Exploration and Finance Co. R. Young No. 1.	300 ft. N. of S. line..... 300 ft. W. of E. line.	1950	619	585	"	.....	.....	Dry	.....	117	Fresh water at 112 ft.
6	2	Union Gas Co. of Canada, Ltd. O. L. and W. A. Parr No. 1.	75 ft. E. of W. road.... 1,700 ft. S. of N. road.	1949	623	2,190	"	.....	.....	Dry	.....	95	Fresh water at 100 ft. Sulphur water at 560 and 600 ft. Salt water at 2,185 ft.
7	2	Union Gas Co. of Canada, Ltd. W. Bromburg No. 1.	2,500 ft. S. of N. line..... 400 ft. E. of W. line.	1951	623	2,280	"	.....	.....	Dry	.....	112	Fresh water at 100 ft. Sulphur water at 650 ft. Show of oil at 2,179 ft.
9	2	Union Gas Co. of Canada, Ltd. D. Campbell.	1,950 ft. S. of N. road..... 100 ft. E. of centre road.	1951	623	2,100	"	2,040-2,049	Guelph	634 Mcf.	931	134	Fresh water at 130 ft. Sulphur water at 674 ft. Salt water at 2,040 ft.
10	2	Imperial Oil Ltd..... I. Young No. 1.	396 ft. S. of N. line..... 75 ft. W. of E. line.	1951	592	1,859	"	1,851-1,859	Guelph	7,400 Mcf.	943	88	Fresh water at 88 ft. Salt water at 600 ft.
7	3	Union Gas Co. of Canada, Ltd. J. Potter No. 1.	475 ft. S. of N. line..... 300 ft. W. of E. road.	1949	627	2,218	"	.....	.....	Dry	.....	112	Sulphur water at 635 ft. Salt water at 2,175 ft.
12	3	Imperial Oil Ltd..... Byron Young No. 1.	1,000 ft. N. of S. line..... 100 ft. W. of E. line.	1950	630	2,298	"	.....	.....	Dry	.....	145	Fresh water at 143 ft. Sulphur water at 645 ft. Salt water at 2,282 ft.
2	4	Union Gas Co. of Canada, Ltd. W. Robinson No. 1.	900 ft. S. of N. road..... 500 ft. E. of W. line.	1952	634	2,250	"	.....	.....	Dry	.....	100	Fresh water at 100 ft. Sulphur water at 724 and 762 ft. Shows of gas at 1,778, 1,858, and 2,141 ft.
5	4	Union Gas Co. of Canada, Ltd. E. McLean No. 1.	1,877 ft. S. of N. line..... 50 ft. E. of W. line.	1948	631	2,200	"	1,804-2,096	.....	70·6 Mcf.	.....	115	Sulphur water at 732 ft. Show of oil at 2,084 ft.
10	4	S. G. Russell..... K. Tye No. 1.	1,500 ft. N. of S. line..... 400 ft. W. of E. line.	1951	608	2,292	"	.....	.....	Dry	.....	92	Sulphur water at 575 and 640 ft. Show of gas at 2,070 ft.
15	4	Imperial Oil Ltd..... Francis Shaw No. 1.	1,360 ft. S. of N. line..... 1,630 ft. E. of W. line.	1947	626	2,385	"	2,129-2,147	Salina	100 Mcf.	725	127	Fresh water at 135 ft. Salt water at 645 ft.
16	4	Imperial Oil Ltd..... J. M. Gray No. 1.	1,750 ft. N. of S. line..... 370 ft. E. of W. line.	1947	625	2,340	"	.....	.....	Dry	.....	135	Fresh water at 140 ft. Salt water at 890 and 2,330 ft. Show of gas and oil at 2,210 ft.
16	4	Imperial Oil Ltd..... J. McDonald No. 1.	700 ft. S. of N. line..... 350 ft. W. of E. line.	1947	628	2,195	"	2,155-2,181	Salina	1,070 Mcf.	860	135	Fresh water at 135 ft. Salt water at 685 ft.
17	4	Imperial Oil Ltd..... J. M. Gray No. 1.	655 ft. W. of E. line..... 700 ft. S. of N. line.	1947	628	2,299	"	2,153-2,180 2,195	Salina	435 Mcf. ½ bbl.	.....	140	Fresh water at 135 ft. Salt water at 890 and 2,295 ft.
18	4	Imperial Oil Ltd..... T. Trapp No. 1.	800 ft. S. of N. road..... 900 ft. W. of E. line.	1948	626	2,442	"	.....	.....	Dry	.....	159	Fresh water at 145 ft. Salt water at 945 ft.

Lot	Con.	Designation	Location	Year drilled	Altitude in feet above sea-level	Depth in feet	Bedrock formation	Producing depth in feet	Producing formation	Yield Mcf. or bbls.	Pressure in lbs. sq. in.	Thickness of drift in feet	Remarks
23	4	Imperial Oil Ltd..... Joseph McFerran No. 1.	160 ft. S. of N. line..... 100 ft. W. of E. line.	1948	627	2,465	Port Lambton	.....	.....	Dry	.....	138	Fresh water at 215 ft. Salt water at 835, 915, and 1,010 ft.
26	4	Imperial Oil Ltd..... E. Baxter No. 1.	1,200 ft. N. of S. line..... 350 ft. W. of E. line.	1951	623	2,600	"	.....	.....	Dry	.....	160	Fresh water at 106 ft. Sulphur water at 1,340 ft.
27	4	Imperial Oil Ltd..... Lloyd McLaughlin No. 1.	1,000 ft. S. of N. line..... 100 ft. E. of W. line.	1949	625	2,638	"	.....	.....	Dry	.....	142	Fresh water at 117 ft. Salt water at 850 and 868 ft.
4	5	Union Gas Co. of Canada, Ltd. A. Bugle No. 1.	84 ft. N. of S. road..... 88 ft. W. of E. road.	1949	632	2,200	Kettle Point	.....	.....	Dry	.....	95	Sulphur water at 665 and 730 ft. Salt water at 2,170 ft.
6	5	Union Gas Co. of Canada, Ltd. C. Bush No. 1.	123 ft. N. of centre line.. 145 ft. W. of E. line.	1947	629	2,257	"	.....	.....	Dry	.....	116	Sulphur water at 618 ft. Salt water at 2,225 ft.
12	5	Imperial Oil Ltd..... V. Duncan No. 1.	2,250 ft. N. of S. line..... 700 ft. W. of E. line.	1948	630	2,225	"	2,155–2,201	Salina	465 Mcf.	.....	140	Fresh water at 139 ft. Salt water at 640 ft. Show of oil.
12	5	Imperial Oil Ltd..... G. A. Reynolds No. 1.	300 ft. N. of S. line..... 100 ft. E. of W. line.	1948	629	2,170	"	.....	.....	Dry	.....	125	Fresh water at 125 ft. Salt water at 603 ft. Show of gas at 2,118 ft.
14	5	Imperial Oil Ltd..... Harold Babcock No. 1.	2,400 ft. N. of S. line..... 450 ft. E. of W. line.	1948	628	2,175	"	.....	.....	Dry	.....	131	Fresh water at 131 ft. Salt water at 486 and 605 ft. Show of oil at 480 ft.
15	5	Imperial Oil Ltd..... F. G. Arnold No. 1.	550 ft. N. of S. line..... 650 ft. W. of E. line.	1948	627	2,148	"	2,108–2,138	Salina	240 Mcf.	840	134	Fresh water at 134 ft. Salt water at 780 ft.
16	5	Imperial Oil Ltd..... John Gray No. 1.	2,600 ft. N. of S. line..... 300 ft. W. of E. line.	1948	630	4,220	"	.....	.....	Dry	.....	132	Fresh water at 131 ft. Salt water at 593 ft. Show of gas at 2,115 ft.
17	5	Imperial Oil Ltd..... Frank Arnold No. 1.	550 ft. N. of S. line..... 100 ft. E. of W. line.	1948	628	2,195	"	2,140–2,170	Salina	905 Mcf.	805	139	Fresh water at 135 ft. Salt water at 823 ft. Show of oil at 2,186 ft.
18	5	Imperial Oil Ltd..... Elmer Judas No. 1.	500 ft. N. of R.R..... 100 ft. E. of W. line.	1947	628	2,480	"	2,237	Salina	1 bbl.	.....	140	Fresh water at 135 ft. Salt water at 850 ft. Show of gas at 140 ft.

18	5	Imperial Oil Ltd..... J. Taggart No. 1.	200 ft. S. of N. line..... 500 ft. W. of E. line.	1949	631	2,155	"	2,127- 2,153	Salina	3,710 Mcf.	855	133	Salt water at 597 ft. Show of gas at 126 ft.
18	5	Imperial Oil Ltd..... Elmer Judas No. 2.	2,170 ft. N. of S. line..... 750 ft. W. of E. line.	1948	630	2,184	"	2,140- 2,162	Salina	1,220 Mcf.	835	141	Fresh water at 138 ft. Salt water at 695 ft. Show of gas at 138 ft. Show of oil at 2,170 ft.
19	5	Imperial Oil Ltd..... G. Robbins No. 1.	1,500 ft. N. of S. line..... 200 ft. E. of W. line.	1950	629	2,255	"	2,226- 2,241	Salina	200 Mcf. 5-10 bbls.	.....	135	Fresh water at 135 ft. Salt water at 628 ft.
19	5	Imperial Oil Ltd..... G. Robbins No. 2.	1,440 ft. N. of S. line..... 810 ft. W. of E. line.	1950	627	2,230	"	.....	.....	Dry	.....	139	Black water at 745 ft. Show of oil at 2,184 ft.
19	5	Imperial Oil Ltd..... Fred Marsh No. 1.	1,200 ft. S. of N. line..... 300 ft. W. of E. line.	1948	632	2,103	"	2,085- 2,103	Salina	2,335 Mcf.	830	130	Fresh water at 130 ft. Salt water at 545 and 701 ft. Show of gas at 130 ft.
20	5	Imperial Oil Ltd..... Florence Brown No. 1.	100 ft. S. of N. line..... 240 ft. W. of E. line.	1949	632	2,195	"	.....	.....	Dry	.....	130	Fresh water at 130 ft. Salt water at 650 ft. Show of gas at 130 ft. Show of oil at 650 ft.
26	5	Imperial Oil Ltd..... A. Brown No. 1.	1,000 ft. N. of S. line..... 500 ft. W of E. line.	1951	627	2,606	Port Lambton	.....	.....	Dry	.....	145	Fresh water at 145 ft. Salt water at 860 ft.
29	5	Imperial Oil Ltd..... R. Brown No. 1.	1,000 ft. N. of S. line..... 350 ft. W. of E. line.	1950	627	2,650	"	.....	.....	Dry	.....	155	Fresh water at 150 ft. Black water at 900 ft. Show of oil at 2,549 ft.
17	6	Imperial Oil Ltd..... Lloyd Kells No. 1.	700 ft. N. of S. line..... 645 ft. W. of E. line.	1949	633	2,403	Kettle Point	.....	.....	Dry	.....	134	Fresh water at 131 ft. Sulphur water at 590 and 610 ft.
18	6	Imperial Oil Ltd..... E. J. Boothe No. 1.	62 ft. S. of N. line..... 34 ft. W. of E. line.	1946	635	600	"	.....	.....	Dry	.....	139	Fresh water at 135 ft.
18	6	Imperial Oil Ltd..... E. J. Boothe No. 2.	1,950 ft. N. of S. line..... 315 ft. W. of E. line.	1949	633	2,209	"	2,168- 2,204	Salina	3,070 Mcf.	855	133	Fresh water at 132 ft. Salt water at 506 ft. Show of gas at 132 ft. Show of oil at 506 ft.
19	6	Imperial Oil Ltd..... George Robbins No. 1.	1,000 ft. N. of S. line..... 275 ft. W. of E. line.	1949	633	2,049	"	2,036- 2,049	Guelph	6,700 Mcf.	845	139	Fresh water at 136 ft. Salt water at 539 ft.
19	6	Imperial Oil Ltd..... George Robbins No. 2.	1,190 ft. S. of N. line..... 90 ft. W. of E. line.	1949	635	2,189	"	2,170- 2,189	Salina	3,640 Mcf.	855	139	Salt water at 623 and 672 ft.
19	6	Imperial Oil Ltd..... G. James No. 1.	230 ft. N. of S. line..... 110 ft. E. of W. line.	1950	631	2,266	"	2,157- 2,441	Salina Guelph	435 Mcf.	790	130	Fresh water at 130 ft. Salt water at 530 and 650 ft.
20	6	Imperial Oil Ltd..... Stanley James No. 1.	1,970 ft. S. of N. line..... 200 ft. W. of E. line.	1949	633	2,228	"	2,165- 2,207	Salina	1,931 Mcf. 10 bbls.	855	134	Salt water at 618 ft.
21	6	Imperial Oil Ltd..... C. W. Grey No. 1.	1,000 ft. S. of N. line..... 100 ft. W. of E. line.	1950	634	2,250	"	.....	.....	Dry	.....	137	Fresh water at 137 ft. Salt water at 603 and 611 ft. Show of oil at 495 ft.

Lot	Con.	Designation	Location	Year drilled	Altitude in feet above sea-level	Depth in feet	Bedrock formation	Producing depth in feet	Producing formation	Yield Mcf. or bbls.	Pressure in lbs. sq. in.	Thickness of drift in feet	Remarks
22	6	Union Gas Co. of Canada, Ltd. A. White No. 1.	350 ft. S. of N. road..... 333 ft. E. of W. line.	1951	.....	2,475	Kettle Point	.....	.....	Dry	.....	122	Fresh water at 120 ft. Sulphur water at 635 ft. Show of oil at 515 ft.
24	6	Imperial Oil Ltd..... E. F. Johnston No. 1.	300 ft. N. of S. line..... 50 ft. E. of W. road.	1946	581	2,644	Port Lambton	.....	.....	Dry	.....	165	Salt water at 837 and 2,175 ft.
29	6	Imperial Oil Ltd..... N. Clysdale No. 1.	100 ft. N. of S. line..... 70 ft. E. of W. line.	1951	624	2,652	"	.....	.....	Dry	.....	160	Fresh water at 128 ft. Sulphur water at 830 ft.
12	7	Imperial Oil Ltd..... J. W. Miller No. 1.	190 ft. S. of N. line..... 55 ft. W. of E. line.	1947	637	660	Kettle Point	.....	.....	Dry	.....	124	Fresh water at 124 ft. Sulphur water at 519 ft. Show of oil at 625 ft.
18	7	Imperial Oil Ltd..... G. Smith and L. McKay No. 1.	600 ft. N. of S. line..... 440 ft. E. of W. line.	1951	637	2,273	"	2,173–2,273	Salina	4,500 Mcf.	815	135	Fresh water at 135 ft. Salt water at 618 ft.
18	7	Imperial Oil Ltd..... J. Eyre No. 1.	2,300 ft. N. of S. line..... 100 ft. W. of E. line.	1952	638	2,011	"	1,985–2,011	Salina Guelph	39,000 Mcf.	785	142	Fresh water at 140 ft. Sulphur water at 620 ft.
19	7	Imperial Oil Ltd..... W. Long No. 1.	45 ft. N. of S. line..... 200 ft. E. of W. line.	1949	637	2,208	"	.....	.....	Dry	.....	138	Fresh water at 138 and 148 ft. Salt water at 623 ft. Show of gas at 2,229 ft.
20	7	Imperial Oil Ltd..... G. Hardy No. 1.	2,500 ft. N. of S. line..... 500 ft. W. of E. line.	1947	637	575	"	.....	.....	Dry	.....	134	Fresh water at 134 ft. Show of oil at 520 ft.
20	7	Imperial Oil Ltd..... S. Lucas No. 1.	1,000 ft. S. of N. line..... 75 ft. E. of W. line.	1950	638	2,476	"	.....	.....	Dry	.....	134	Fresh water at 134 ft. Salt water at 625 ft.
21	7	Imperial Oil Ltd..... R. W. Booth No. 1.	1,000 ft. S. of N. line..... 100 ft. E. of W. line.	1949	638	2,010	"	1,968–2,010	Guelph	40,000M	830	122	Fresh water at 135 ft. Salt water at 520 ft.
22	7	Imperial Oil Ltd..... Robert Trapp No. 1.	1,100 ft. N. of S. line..... 100 ft. W. of E. line.	1950	634	1,996	"	1,971–1,996	Guelph	9,500 Mcf.	848	127	Fresh water at 127 ft. Salt water at 525 ft.
22	7	Imperial Oil Ltd..... K. W. Anderson No. 1.	2,500 ft. N. of S. line..... 300 ft. W. of E. line.	1947	638	615	"	.....	.....	Dry	.....	134	Fresh water at 134 ft. Salt water at 522 and 548 ft.
23	7	Imperial Oil Ltd..... K. White No. 1.	1,600 ft. N. of S. line..... 120 ft. W. of E. line.	1950	635	2,495	"	.....	.....	Dry	.....	135	Salt water at 535 ft. Show of oil at 2,360 ft.

24	7	Union Gas Co. of Canada, Ltd. S. Nisbet No. 1.	500 ft. S. of N. line..... 500 ft. W. of E. line.	1951	639	2,523	"	.....	.....	Dry	.....	125	Fresh water at 125 ft. Sulphur water at 540 and 660 ft. Show of oil at 2,436 ft.
10	8	Imperial Oil Ltd..... C. Grant No. 1.	75 ft. S. of N. line..... 75 ft. W. of E. line.	1951	596	2,000	"	.....	.....	Dry	.....	153	Black water at 786 ft. Salt water at 1,790, 1,831, and 1,890 ft.
16	8	Imperial Oil Ltd..... L. White No. 2.	1,000 ft. S. of N. line..... 100 ft. W. of E. line.	1950	648	2,528	"	.....	.....	Dry	.....	135	Fresh water at 120 ft. Sulphur water at 490 ft. Salt water at 2,418 ft. Show of oil at 2,263 ft.
16	8	Imperial Oil Ltd..... G. White No. 1.	50 ft. W. of E. road.... 50 ft. N. of S. line.	1946	638	586	"	.....	.....	Dry	.....	135	Fresh water at 130 ft. Salt water at 240 ft. Sulphur water at 495 ft. Show of oil at 580 ft.
17	8	Imperial Oil Ltd..... C. Iden No. 1.	1,600 ft. N. of S. line..... 600 ft. E. of W. line.	1951	647	2,071	"	2,039	Guelph	7,200 Mcf.	807	145	Fresh water at 142 ft. Sulphur water at 520 ft.
17	8	Imperial Oil Ltd..... A. and M. White No. 1.	1,500 ft. S. of N. line..... 200 ft. W. of E. line.	1951	648	2,091	"	2,052–2,091	Guelph	6,200 Mcf.	825	143	Fresh water at 142 ft. Sulphur water at 560 ft. Shows of gas at 142 and 280 ft.
17	8	Imperial Oil Ltd..... C. Iden No. 2.	1,180 ft. S. of N. line..... 160 ft. E. of W. line.	1952	650	2,536	"	.....	.....	Dry	.....	150	Fresh water at 149 ft. Sulphur water at 660 ft. Show of oil at 2,285 ft.
17	8	Imperial Oil Ltd..... A. and M. White No. 2.	375 ft. N. of S. line..... 50 ft. W. of E. line.	1952	643	2,381	"	2,230–2,287	Salina	20 bbls.	.....	140	Sulphur water at 495 ft.
18	8	Imperial Oil Ltd..... D. and W. Prentice No. 1.	250 ft. N. of S. line..... 620 ft. W. of E. line.	1952	641	2,497	"	.....	.....	Dry	.....	141	Sulphur water at 620 ft.
18	8	Imperial Oil Ltd..... L. Smith No. 1.	850 ft. S. of N. line..... 1,316 ft. E. of W. line.	1945	646	850	"	.....	.....	Dry	.....	153	Fresh water at 150 ft. Salt water at 632, 636, and 848 ft. Show of oil at 675 ft.
20	8	Imperial Oil Ltd..... W. D. Wark No. 1.	1,090 ft. N. of S. line..... 204 ft. E. of W. line.	1949	641	2,520	"	.....	.....	Dry	.....	140	Fresh water at 138 ft. Salt water at 635, 1,150, and 1,240 ft.
21	8	Imperial Oil Ltd..... M. Neal No. 1.	1,090 ft. N. of S. line..... 100 ft. E. of W. line.	1950	644	2,523	"	.....	.....	Dry	.....	140	Fresh water at 151 ft. Salt water at 640 ft. Show of oil at 2,430 ft.
21	8	Imperial Oil Ltd..... M. Neal No. 2.	450 ft. S. of N. line..... 890 ft. E. of W. line.	1952	650	2,314	"	2,298–2,314	Guelph	4,750 Mcf.	880	135	Fresh water at 130 ft. Sulphur water at 675 ft. Show of oil at 2,278 ft.
22	8	Imperial Oil Ltd..... Thaddeus Nesbitt.	1,090 ft. N. of S. line..... 50 ft. E. of W. line.	1949	643	2,514	"	.....	.....	Dry	.....	129	Fresh water at 125 ft. Salt water at 560 ft.
23	8	Imperial Oil Ltd..... J. Robbins No. 1.	50 ft. S. of N. road..... 50 ft. W. of E. line.	1946	650	825	"	.....	.....	Dry	.....	146	Fresh water at 143 ft. Sulphur water at 681 ft. Salt water at 780 ft.

Lot	Con.	Designation	Location	Year drilled	Altitude in feet above sea-level	Depth in feet	Bedrock formation	Producing depth in feet	Producing formation	Yield Mcf. or bbls.	Pressure in lbs. sq. in.	Thickness of drift in feet	Remarks
25	8	Imperial Oil Ltd..... L. and B. Welch No. 1.	1,400 ft. N. of S. line..... 100 ft. W. of E. line.	1951	641	2,547	Kettle Point	.....	.....	Dry	.....	125	Fresh water at 125 ft. Sulphur and salt water at 570 ft.
27	8	Imperial Oil Ltd..... J. Hackney No. 1.	1,150 ft. N. of S. line..... 200 ft. E. of W. line.	1951	640	2,590	"	.....	.....	Dry	.....	138	Fresh water at 135 ft. Sulphur and salt water at 645 ft. Show of gas at 136 ft.
13	9	Imperial Oil Ltd..... E. J. White No. 1.	50 ft. N. of S. line..... 350 ft. W. of E. line.	1946	647	780	"	.....	.....	Dry	.....	135	Fresh water at 469 and 653 ft.
14	9	Imperial Oil Ltd..... Edwin J. White No. 1.	990 ft. S. of N. line..... 225 ft. W. of E. line.	1948	656	650	"	.....	.....	Dry	.....	139	Salt water at 490 and 595 ft.
15	9	Imperial Oil Ltd..... Samuel J. Smith No. 1.	940 ft. S. of N. line..... 95 ft. E. of W. line.	1948	653	2,560	"	.....	.....	Dry	.....	140	Fresh water at 139 ft. Salt water at 600 ft. Shows of gas at 139 and 470 ft. Show of oil at 510 ft.
16	9	Imperial Oil Ltd..... G. and L. White No. 1.	1,000 ft. N. of S. line..... 1,100 ft. E. of W. line.	1950	652	2,523	"	.....	.....	Dry	.....	135	Salt water at 498 ft. Show of oil and gas at 2,418 ft.
17	9	Imperial Oil Ltd..... R. McKellar No. 1.	1,000 ft. N. of S. line..... 895 ft. W. of E. line.	1950	654	2,540	"	.....	.....	Dry	.....	135	Fresh water at 134 ft. Salt water at 575 ft. Shows of gas at 134 and 2,429 ft.
17	9	Imperial Oil Ltd..... R. McKellar No. 2.	1,500 ft. S. of N. line..... 100 ft. W. of E. line.	1951	657	2,505	"	.....	.....	Dry	.....	141	Salt water at 590 and 610 ft.
20	9	Imperial Oil Ltd..... R. Medley No. 1.	1,800 ft. S. of N. line..... 800 ft. E. of W. line.	1952	651	2,387	"	2,344–2,362	Guelph	1,045 Mcf.	880	155	Sulphur water at 670 ft.
21	9	Imperial Oil Ltd..... Robert Murray No. 1.	700 ft. S. of N. line..... 100 ft. W. of E. line.	1947	649	322	"	.....	.....	Dry	.....	141	Fresh water at 142 and 148 ft.
21	9	Imperial Oil Ltd..... R. Murray No. 1.	1,000 ft. N. of S. line..... 100 ft. W. of E. line.	1952	652	2,137	"	2,098–2,137	Salina Guelph	6,500 Mcf.	880	151	Sulphur water at 208 ft. Black water at 608 and 722 ft.
24	9	Imperial Oil Ltd..... W. Smith No. 1.	1,100 ft. S. of N. line..... 100 ft. E. of W. line.	1950	643	2,622	"	.....	.....	Dry	.....	150	Fresh water at 145 ft. Black water at 714 ft.

24	9	Imperial Oil Ltd..... J. Egan No. 1.	1,050 ft. N. of S. line..... 100 ft. W. of E. line.	1950	643	2,620	"	.....	.....	Dry	.....	137	Fresh water at 138 ft. Salt and sulphur water at 685 ft. Sulphur water at 815 ft. Salt water at 1,125 ft. Shows of gas at 138 and 1,295 ft.
25	9	Imperial Oil Ltd..... Isabelle Prouse No. 1.	1,100 ft. N. of S. line..... 460 ft. W. of E. line.	1949	644	2,537	"	.....	.....	Dry	.....	140	Fresh water at 140 ft. Salt water at 691 and 756 ft. Show of oil at 2,448 ft.
5	10	E. Wilson and Associates..... George B. Irwin No. 1.	250 ft. S. of Plank road . 800 ft. E. of W. line.	1944	646	500	Hamilton	.....	.....	Dry	.....	145	Fresh water at 150 ft.
5	10	W. D. Kennedy..... George B. Irwin No. 2.	425 ft. S. of Plank road.. 270 ft. W. of E. line.	1946	650	762	"	.....	.....	Dry	.....	148	Fresh water at 158 ft. Salt water at 510 ft. Produced some oil.
19	10	Imperial Oil Ltd..... K. Proctor No. 1.	2,225 ft. S. of N. line..... 410 ft. W. of E. line..	1951	646	2,620	Kettle Point	.....	.....	Dry	.....	145	Fresh water at 140 ft. Sulphur water at 595 ft. Salt water at 2,397, 2,540, and 2,550 ft.
20	10	Imperial Oil Ltd..... H. Wellington No. 2.	1,400 ft. N. of S. line..... 225 ft. W. of E. line.	1950	649	2,575	"	2,375–2,378	Salina	10–15 bbls.	.....	147	Fresh water at 142 ft. Sulphur water at 645 ft.
20	10	Imperial Oil Ltd..... H. Wellington No. 1.	800 ft. S. of N. line..... 225 ft. W. of E. line.	1950	646	2,181	"	2,149–2,181	Salina	7,500 Mcf.	865	143	Sulphur water at 638 ft. Shows of oil at 650 and 2,057 ft.
21	10	Imperial Oil Ltd..... R. Wellington No. 1.	1,350 ft. N. of S. line..... 100 ft. W. of E. line.	1951	645	2,657	"	.....	.....	Dry	.....	140	Fresh water at 145 ft. Sulphur water at 635 ft. Salt water at 920 and 2,280 ft.
22	10	Imperial Oil Ltd..... K. W. Wilson No. 1.	1,500 ft. S. of N. line..... 100 ft. W. of E. line.	1947	647	387	"	.....	.....	Dry	.....	145	Fresh water at 143 ft.
24	10	Imperial Oil Ltd..... K. Wellington No. 1.	1,300 ft. N. of S. line..... 600 ft. E. of W. line.	1951	643	2,630	"	.....	.....	Dry	.....	140	Fresh water at 140 ft. Sulphur water at 730 ft.
7	11	E. Wilson and Associates..... Grant Manley No. 1.	1,000 ft. E. of W. line..... 150 ft. S. of Plank road.	1944	645	560	Hamilton	.....	.....	Dry	.....	145	Fresh water at 157 and 170 ft.
19	11	Imperial Oil Ltd..... J. W. Wellington No. 1.	1,000 ft. N. of S. line..... 110 ft. W. of E. line.	1948	646	2,660	Kettle Point	.....	.....	Dry	.....	147	Fresh water at 147 ft. Salt water at 615 ft. Show of gas at 147 ft. Show of oil at 2,496 ft.
20	11	Imperial Oil Ltd..... M. Wellington No. 2.	800 ft. S. of N. line..... 100 ft. E. of W. line.	1951	635	2,626	"	.....	.....	Dry	.....	136	Fresh water at 130 ft. Salt water at 637, 900, 1,105, and 2,475 ft.
20	11	Imperial Oil Ltd..... M. Wellington No. 1.	1,200 ft. N. of S. line..... 100 ft. E. of W. line.	1951	641	2,661	"	.....	.....	Dry	.....	138	Fresh water at 138 ft. Sulphur water at 680 ft. Salt water at 2,430 ft.

Wells in Moore Township, Lambton County—Concluded

Lot	Con.	Designation	Location	Year drilled	Altitude in feet above sea-level	Depth in feet	Bedrock formation	Producing depth in feet	Producing formation	Yield Mcf. or bbls.	Pressure in lbs. sq. in.	Thickness of drift in feet	Remarks
20	11	Imperial Oil Ltd..... H. Wellington No. 1.	700 ft. N. of S. line..... 50 ft. W. of E. line.	1952	645	2,654	Kettle Point	.....	.....	Dry	.....	145	Sulphur water at 640 ft. Salt water at 2,418 ft. Show of oil at 2,388 ft.
21	11	Imperial Oil Ltd..... J. Wilson and J. Carter No. 1.	1,900 ft. S. of N. line..... 600 ft. E. of W. line.	1951	638	2,685	"	.....	.....	Dry	.....	155	Fresh water at 135 ft. Salt water at 670 and 2,460 ft.
22	11	Imperial Oil Ltd..... Joseph Wilson No. 1.	100 ft. S. of N. line..... 100 ft. W. of E. line.	1947	634	315	"	.....	.....	Dry	.....	124	Fresh water at 121 ft.

Wells in Plympton Township, Lambton County

5	1	E. L. Roth..... H. Drope No. 1.	320 ft. N. of S. line..... 415 ft. E. of W. line.	1952	682	707	Hamilton	.....	.....	Dry	.....	169	Fresh water at 169 ft. Sulphur water at 550 ft.
6	1	E. L. Roth..... M. Donald No. 1.	1,200 ft. S. of N. line..... 500 ft. W. of E. line.	1950	705	552	"	440–450 495 500	Dundee	1 bbl. 20 Mcf.	.....	193	Fresh water at 205 ft. Salt water at 500 ft.
10	1	E. L. Roth..... O. Anderson No. 1.	650 ft. S. of N. line..... 75 ft. E. of W. line.	1950	715	601	"	.....	.....	Dry	.....	183	Fresh water at 190 ft. Sulphur water at 575 ft. Show of gas and oil at 468 ft.
18	1	Imperial Oil Ltd..... H. Zonnerville No. 1.	300 ft. S. of N. line..... 100 ft. E. of W. line.	1952	700	940	Kettle Point	.....	.....	Dry	.....	92	Fresh water at 80 ft. Sulphur water at 560 ft. Show of oil at 790 ft.
26	1	Imperial Oil Ltd..... E. Smith No. 1.	220 ft. S. of N. line..... 100 ft. W. of E. line.	1951	691	308	"	.....	.....	Dry	.....	64	Fresh water at 60 ft. Sulphur water at 545 ft. Salt water at 2,210 ft.
6	2	E. L. Roth..... A. Bishop No. 1.	725 ft. S. of N. line..... 615 ft. W. of E. line.	1950	689	520	Hamilton	.....	.....	Dry	.....	170	Fresh water at 170 ft. Show of oil at 430 ft.
7	2	E. L. Roth..... W. Parks No. 1.	600 ft. S. of R.R..... 500 ft. E. of W. line.	1950	688	500	"	450 460	Dundee	25 Mcf. 10 bbls.	.....	170	Fresh water at 190 and 230 ft.
7	2	E. L. Roth..... W. Parks No. 2.	600 ft. S. of R.R..... 930 ft. E. of W. line.	1950	692	540	"	520	Dundee	1 bbl.	.....	175	Fresh water at 185 ft. Salt water at 520 ft. Show of gas.

19	13	Little Klondyke Gas Syndicate	1,000 ft. N. of S. line..... 430 ft. E. of W. road	1938	634	326	.....	314-318	"	.....	.....	29	Fresh water at 35 ft. Small producing oil well.
23	14	Union Gas Co. of Canada, Ltd., No. 95 H. and T. Mawlam.....	45 ft. N. of S. line..... 775 ft. W. of E. line	1938	655	1,922	Kettle Point	.....	.....	Dry	.....	42	Sulphur water at 470 ft. Salt water at 1,675 ft.
24	14	Union Gas Co. of Canada, Ltd., No. 30 H. Mawlam.....	700 ft. S. of N. line..... 2,100 ft. E. of W. line	1929	630	2,133	"	.....	.....	Dry	.....	45	Salt water at 505 and 515 ft.
24	14	Union Gas Co. of Canada, Ltd., No. 24 H. Mawlam	NW. Corner.....	1928	658	2,118	"	1,658-1,665	Salina	106 Mcf.	815	55	Fresh water at 55 ft. Salt water at 538 and 1,810 ft. Show of oil at 1,810 ft.
29	3	Union Gas Co. of Canada, Ltd., No. 125 L. Bradley.....	50 ft. S. of N. line..... 75 ft. E. of centre line	1944	639	1,990	"	.....	.....	.....	.....	.....	
25	8	Union Gas Co. of Canada, Ltd., No. 128 S. Johnston.....	125 ft. N. of S. line..... 880 ft. E. of W. road.....	1944	660	1,901	"	.....	.....	.....	.....	.....	Producing gas well.
25	14	Union Gas Co. of Canada, Ltd., No. 124 L. R. White.....	400 ft. N. of S. line..... 180 ft. W. of centre line..	1943	660	1,689	"	.....	.....	Dry	.....	55	Fresh water at 55 ft. Sulphur water at 399 ft. Salt water at 1,678 ft. Show of oil at 1,678 ft.

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Wells in Moore Township, Lambton County

16	1	Sarnia Gas and Oil Company... Haywood.....	50 ft. N. of S. road..... 950 ft .W. of E. road	1929	620	4,180	Kettle Point	.....	.....	Dry	.....	145	Water at 147 and 705 ft. Show gas at 3,490 ft. Show oil at 3,690 ft.
23	1	F. L. Patterson *et al*	1,550 ft. N. of S. line..... 290 ft. E. of W. line	1934	615	825	"	.....	.....	.....	.....	195	2 feet of sulphur at 800 ft.
23	1	E. Coste and Company, No. 5..	.....	1923	617	930	"	.....	.....	Dry	.....	195	Fresh water at 137 and 175 ft. Show gas at 145 and 245 ft.
24	1	.....	2,000 ft. N. of S. line..... 50 ft. W. of E. line	.....	615	620	"	.....	.....	.....	.....	150	Fresh water at 30 ft. Gas at base of drift.
6	3	McGregor.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10 wells; some oil.
5	7	J. C. Appleman.....	800 ft. N. of S. road..... 50 ft. E. of W. line	1927	628	562	.....	.....	.....	Dry	.....	113	
1	8	Fargharson farm.....	.....	1904	642	500	Hamilton	.....	.....	Dry	.....	123	
1-2	8	Postil, Farm Syndicate No. 1..	.....	1904	642	500	Kettle Point	.....	.....	Dry	.....	99	

Wells in Moore Township, Lambton County—Continued

Lot	Con.	Designation	Location	Year drilled	Altitude in feet above sea-level	Depth in feet	Bedrock formation	Producing depth in feet	Producing formation	Yield Mcf. or bbls.	Pressure in lbs. sq. in.	Thickness of drift in feet	Remarks
1-2	8	Postil, Farm Syndicate No. 3	.....	1906	642	490	Kettle Point	.....	.....	Dry	.....	103	Fresh water at 103 ft. Show gas and oil at 445 ft.
1-2	8	Postil, Farm Syndicate No. 4	.....	1906	641	485	Hamilton	.....	.....	.....	.....	118	Water at 144 ft. Gas at 447 ft. Oil at 447 and 460 ft
4	8	Noble and Bryant No. 9 Smith Brothers No. 1	.....	1904	644	470	"	404	Norfolk	.....	.....	125	Fresh water at 125 and 129 ft. Gas and oil at 404 ft.
4	8	Noble and Bryant No. 10 Smith Brothers No. 2	.....	1905	644	430	Kettle Point	410	"	.....	.....	130	Gas and oil at 410 ft.
4	8	Noble and Bryant No. 12 James Bruton No. 1	.....	1905	646	480	Hamilton	404 445	"	.....	.....	150	
4	8	Noble and Bryant No. 13 James Bruton No. 2	.....	1905	645	485	"	400	"	.....	.....	145	
4	8	Noble and Bryant No. 14 James Bruton No. 3	.....	1906	645	495	"	450	"	.....	.....	150	Fresh water at 150 ft. Gas at 450 ft. Oil at 455 ft.
4	8	Noble and Bryant No. 15 James Bruton No. 4	.....	1906	645	491	"	420-460	"	.....	.....	145	Water at 70 and 300 ft. Gas and oil at 420 and 460 ft.
4	8	Noble and Bryant No. 16 Smith Brothers No. 3	.....	1906	643	488	"	455	"	.....	.....	147	Gas and oil at 455 ft.
4	8	Noble and Bryant No. 17 Smith Brothers No. 4	.....	1906	644	491	"	455 425	"	.....	.....	147	Gas at 425 ft. Oil at 455 ft.
4	8	Noble and Bryant No. 18 Smith Brothers No. 5	.....	1906	644	490	"	425 400	"	.....	.....	145	Gas at 400 ft. Oil at 425 ft.
4	8	Noble and Bryant No. 19 Smith Brothers No. 6	.....	1906	644	486	"	410	"	.....	.....	146	Gas at 410 ft.
5	8	Reece No. 1	West half of lot	1905	646	475	"	.....	.....	Dry	.....	130	Fresh water at 135 ft.
5	8	Reece No. 2	West half of lot	1905	646	480	"	.....	.....	Dry	.....	130	Fresh water at 135 ft.
5	8	Reece No. 3	West half of lot	1905	646	500	Kettle Point	.....	.....	Dry	.....	122	Fresh water at 151 ft.

8	8	Noble			635	443	"					123	
1	9	D. Potter farm No. 1	East half of lot	1904		470	Hamilton	413–447	Norfolk			142	Fresh water at 154 ft. Gas and oil at 413, 430, and 447 ft.
1	9	D. Potter farm No. 2	East half of lot	1904		470	"	437	"	Dry		143	Fresh water at 146 ft. Gas at 437 ft. Very little oil at 437 ft.
1	9	D. Potter farm No. 3	East half of lot	1907		472	"			Dry		140	Fresh water at 144 ft. Show gas at 450 and 455 ft.
1	9	D. Potter farm No. 4	East half of lot	1907	649	490				Dry		135	Show gas and oil at 440 and 445 ft.
1	9	D. Potter farm No. 5	East half of lot	1907	648	490	Hamilton			Dry		130	Show gas at 445 ft.
1	9	D. Stamm No. 1	West half of lot	1904	648	480	"	410	Norfolk			146	Fresh water at 147 ft. Gas and oil at 410 ft.
1	9	D. Stamm No. 2	West half of lot	1904	648	462	"	420	"			145	Gas and oil at 420 ft.
1	9	D. Stamm No. 3	West half of lot	1905	648	475	"	420	"			145	Fresh water at 147 ft. Gas and oil at 420 ft.
1	9	D. Stamm No. 4	West half of lot	1907	648	491	"			Dry		132	Fresh water at 142 ft. Show gas and oil at 445 ft.
2	9	Noble and Bryant Holmes Brothers No. 1	West half of lot	1904	639	471	"	406–410	Norfolk			129	Fresh water at 150 ft. Gas and oil at 406 to 410 ft.
2	9	Noble and Bryant Holmes Brothers No. 2	West half of lot	1905	639	425	"	390	"			128	Fresh water at 165 and 183 ft. Gas and oil at 390 ft.
2	9	Noble and Bryant No. 3 Holmes No. 3	West half of lot	1905	639	470	"	416	"			130	Gas and oil at 416 ft.
2	9	Noble and Bryant No. 4 Holmes No. 4	West half of lot	1906	639	492	"			Dry		146	Show gas at 460 ft.
2	9	John McNeil farm	East half of lot										7 wells; some oil production.
4	9	F. L. Patterson *et al* A. Bruce No. 1	NE. Corner	1935	649	465	Hamilton	382–420	Norfolk	½ bbl.		145	Small producing oil well. Fresh water at 172 ft.
4	9	F. L. Patterson *et al* A. Bruce No. 2	1,300 ft. S. of N. line 575 ft. W. of E. line	1935	649	455	"			Dry		152	Fresh water at 171 ft. Show oil at 395 and 410 ft.
4	9												8 other wells.
24	9	McKellar		1929		148	Hamilton					142	

Wells in Moore Township, Lambton County—Continued

Lot	Con.	Designation	Location	Year drilled	Altitude in feet above sea-level	Depth in feet	Bedrock formation	Producing depth in feet	Producing formation	Yield Mcf. or bbls.	Pressure in lbs. sq. in.	Thickness of drift in feet	Remarks
2	10	Anglo-Canadian Petroleum..... Albert Saunders No. 1	West half of lot (Saunders farm)	1904	.....	.....	Hamilton	396	Norfolk	.....	.....	149	Fresh water at 176 ft. Gas and oil at 396 ft.
2	10	Anglo-Canadian Petroleum..... Albert Saunders No. 2	West half of lot (Saunders farm)	1904	.....	485	"	.....	.....	Dry	.....	149	Show gas at 390 ft. Show oil at 390, 410, and 435 ft.
2	10	Anglo-Canadian Petroleum..... Albert Saunders No. 3	West half of lot (Saunders farm)	1904	651	495	"	.....	.....	Dry	.....	149	Gas at 397 ft.
2	10	Anglo-Canadian Petroleum..... Albert Saunders No. 4	West half of lot (Saunders farm)	1904	654	.....	"	.....	Norfolk	Dry	.....	145	Show gas and oil at 392, 430, and 450 ft.
2	10	Anglo-Canadian Petroleum..... Albert Saunders No. 5	West half of lot (Saunders farm)	1904	654	48	"	.....	.....	Dry	.....	143	Show gas and oil at 392 ft.
2	10	Anglo-Canadian Petroleum..... Albert Saunders No. 6.	West half of lot (Saunders farm)	1904	650	485	"	.....	.....	Dry	.....	150	Show gas at 445 ft. Show oil at 425 and 460 ft.
2	10	Anglo-CanadianPetroleum..... Albert Saunders No. 7	West half of lot (Saunders farm)	1905	652	485	"	.....	.....	Dry	.....	150	Show of gas at 420 ft. Show oil at 404 and 420 ft.
2	10	Anglo-Canadian Petroleum.... Albert Saunders No. 8	West half of lot (Saunders farm)	1905	651	483	"	405	Norfolk	.....	.....	150	Gas at 405 ft. Oil at 404 ft.
2	10	Anglo-Canadian Petroleum..... Albert Saunders No. 9	West half of lot (Saunders farm)	1905	651	491	"	400–415 405	"	.....	.....	150	Gas at 405 ft. Oil 400 to 415 ft.
2	10	Anglo-Canadian Petroleum..... Albert Saunders No. 10	West half of lot (Saunders farm)	1905	651	483	"	415	"	.....	.....	150	Fresh water at 160 and 185 ft. Gas and oil at 415 ft.
2	10	Anglo-Canadian Petroleum..... Albert Saunders No. 11	West half of lot (Saunders farm)	1905	650	500	"	.....	.....	Dry	.....	150	Fresh water at 160 and 185 ft.
2	10	Anglo-Canadian Petroleum..... Albert Saunders No. 12	West half of lot (Saunders farm)	1905	651	490	"	.....	.....	Dry	.....	154	Water at 336 ft. Show gas at 415 ft. Show oil at 460 ft.
2	10	Anglo-Canadian Petroleum..... Albert Saunders No. 13	West half of lot (Saunders farm)	1905	650	493	"	455	Norfolk	.....	.....	147	Gas and oil at 455 ft.
2	10	Anglo-Canadian Petroleum..... Albert Saunders No. 14	West half of lot (Saunders farm)	1905	650	495	"	.....	.....	Dry	.....	143	Show gas and oil at 435 ft.

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2	10	Anglo-Canadian Petroleum..... Albert Saunders No. 15	West half of lot (Saunders farm)	1905	652	490	"	455	Norfolk	.....	.....	143	Gas and oil at 455 ft.
2	10	Anglo-Canadian Petroleum..... Albert Saunders No. 20	West half of lot (Saunders farm)	1907	652	505	"	.....	.....	Dry	.....	147	Show gas at 415 ft.
2	10	Anglo-Canadian Petroleum..... Albert Saunders No. 21	West half of lot (Saunders farm)	1907	652	496	"	.....	.....	Dry	.....	150	Water at 330 ft. Show gas and oil at 455 ft.
2	10	Anglo-Canadian Petroleum..... Albert Saunders No. 22	West half of lot (Saunders farm)	1907	651	488	"	.....	.....	Dry	.....	150	Fresh water at 155 and 175 ft. Show gas and oil at 450 and 460 ft.
2	10	Anglo-Canadian Petroleum..... Albert Saunders No. 26	West half of lot (Saunders farm)	1907	651	502	"	.....	.....	Dry	.....	150	
2	10	Anglo-Canadian Petroleum..... Albert Saunders No. 27	West half of lot (Saunders farm)	1907	651	500	"	.....	.....	Dry	.....	150	Fresh water at 155 ft.
2	10	Anglo-Canadian Petroleum..... Albert Saunders No. 28	West half of lot (Saunders farm)	1907	651	502	"	.....	.....	Dry	.....	150	
2	10	Anglo-Canadian Petroleum..... Albert Saunders No. 29	West half of lot (Saunders farm)	1907	651	499	"	.....	.....	Dry	.....	150	
2	10	Anglo-Canadian Petroleum..... Albert Saunders No. 31	West half of lot (Saunders farm)	1907	652	493	"	.....	.....	Dry	.....	150	Show gas and oil at 400 and 460 ft.
2	10	Anglo-Canadian Petroleum..... Albert Saunders No. 33	West half of lot (Saunders farm)	1907	651	495	"	.....	.....	Dry	.....	149	
2	10	Anglo-Canadian Petroleum..... Albert Saunders No. 34	West half of lot (Saunders farm)	1907	651	496	"	.....	.....	Dry	.....	149	
2	10	Anglo-Canadian Petroleum..... Albert Saunders No. 35	West half of lot (Saunders farm)	1907	651	495	"	.....	.....	Dry	.....	149	
2	10	Anglo-Canadian Petroleum..... Henry McCombe farm No. 1	East half of lot (McCombe farm)	1904	651	485	"	.....	.....	Dry	.....	145	Show gas and oil at 403 to 408 ft.
2	10	Anglo-Canadian Petroleum..... Henry McCombe farm No. 2	East half of lot (McCombe farm)	1904	.....	486	"	.....	.....	Dry	.....	145	Fresh water at 149 ft. Show oil at 400, 425, and 440 ft.
2	10	Anglo-Canadian Petroleum..... Henry McCombe farm No. 3	East half of lot (McCombe farm)	1904	.....	480	"	.....	.....	Dry	.....	142	Fresh water at 145 ft. Show oil at 416 and 440 ft.
2	10	Anglo-Canadian Petroleum..... Henry McCombe No. 4	East half of lot (McCombe farm)	1904	.....	485	"	.....	.....	Dry	.....	142	Fresh water at 145 ft.
2	10	Anglo-Canadian Petroleum..... Henry McCombe No. 5	East half of lot (McCombe farm)	1905	.....	482	"	.....	.....	Dry	.....	149	Fresh water at 151 ft. Show gas at 405 ft. Show oil at 405 and 410 ft.
2	10	Anglo-Canadian Petroleum..... Henry McCombe No. 6	East half of lot (McCombe farm)	1905	.....	486	"	405–410	Norfolk	.....	.....	149	Fresh water at 151 ft. Oil at 405 and 410 ft.

Wells in Moore Township, Lambton County—Continued

Lot	Con.	Designation	Location	Year drilled	Altitude in feet above sea-level	Depth in feet	Bedrock formation	Producing depth in feet	Producing formation	Yield Mcf. or bbls.	Pressure in lbs. sq. in.	Thickness of drift in feet	Remarks
2	10	Anglo-Canadian Petroleum..... Henry McCombe farm No. 7	East half of lot (McCombe farm)	1905	.....	491	Hamilton	395-410	Norfolk	.....	.....	148	Fresh water at 149 ft. Oil at 395, 405, and 410 ft.
2	10	Anglo-Canadian Petroleum..... Henry McCombe farm No. 8	East half of lot (McCombe farm)	1905	.....	491	"	410	"	.....	.....	148	Fresh water at 149 ft. Oil at 410 ft.
2	10	Anglo-Canadian Petroleum..... Henry McCombe farm No. 9	East half of lot (McCombe farm)	1905	.....	490	"	.....	.....	Dry	.....	147	Fresh water at 151 ft. Show gas and oil at 450 ft.
2	10	Anglo-Canadian Petroleum..... Henry McCombe farm No. 10	East half of lot (McCombe farm)	1905	.....	490	"	.....	.....	Dry	.....	148	Fresh water at 148 ft. Show gas and oil at 450 ft.
2	10	Anglo-Canadian Petroleum..... Henry McCombe farm No. 11	East half of lot (McCombe farm)	1907	648	499	"	.....	.....	Dry	.....	150	Show gas and oil at 420 and 425 ft.
2	10	Anglo-Canadian Petroleum..... Henry McCombe farm No. 12	East half of lot (McCombe farm)	1907	652	497	"	.....	.....	Dry	.....	150	Fresh water at 152 ft.
3	10	Anglo-Canadian Petroleum..... J. J. Maw farm No. 1	East half of lot (Maw farm)	1904	651	490	"	.....	.....	Dry	.....	150	Fresh water at 162 ft. Show gas at 400 ft. Show oil at 400, 430, and 465 ft.
3	10	Anglo-Canadian Petroleum..... J. J. Maw farm No. 2	East half of lot (Maw farm)	1904	652	485	"	.....	.....	Dry	.....	150	Fresh water at 160 ft. Show gas and oil 410 and 435 ft.
3	10	Anglo-Canadian Petroleum..... J. J. Maw farm No. 3	East half of lot (Maw farm)	1904	650	485	"	400	Norfolk	.....	.....	148	Fresh water at 158 ft. Oil at 400 ft. Gas between 395 and 400 ft.
3	10	Anglo-Canadian Petroleum..... J. J. Maw farm No. 5	East half of lot (Maw farm)	1905	651	498	"	.....	.....	Dry	.....	153	Fresh water at 158 ft. Show oil at 445 ft.
3	10	Anglo-Canadian Petroleum..... J. J. Maw farm No. 6	East half of lot (Maw farm)	1907	652	500	"	.....	.....	Dry	.....	153	Fresh water at 158 ft.
3	10	Anglo-Canadian Petroleum..... J. J. Maw farm No. 7	East half of lot (Maw farm)	1907	652	490	"	.....	.....	Dry	.....	152	
3	10	Anglo-Canadian Petroleum..... J. J. Maw farm No. 8	East half of lot (Maw farm)	1907	652	495	"			Dry	.....	152	

3	10	Anglo-Canadian Petroleum..... J. J. Maw farm No. 9	East half of lot (Maw farm)	1907	651	495	"	.....	.....	Dry	.....	153	Show gas and oil at 460 ft.
3	10	Anglo-Canadian Petroleum..... J. J. Maw farm No. 10	East half of lot (Maw farm)	1908	650	497	"	.....	.....	Dry	.....	152	Show gas at 455 ft.
3	10	Anglo-Canadian Petroleum.... J. J. Maw farm No. 11	East half of lot (Maw farm)	1908	650	497	"	.....	.....	Dry	.....	150	Fresh water at 175 ft.
3	10	Duncan Brothers..... Wright No. 1	South half of lot.....	1924	655	480	"	.....	.....	Dry	.....	150	
4	10	F. L. Patterson *et al*..... A. Glover No. 1.....	1,100 ft. S. of N. road..... 500 ft. E. of W. line	1935	648	464	"	422	Norfolk	1 bbl.	.....	145	Fresh water at 176 ft.
4	10	James Kirk No. 2.....	West half of lot.....	1905	649	486	"	.....	.....	.....	.....	150	Oil.
4	10	James Kirk No. 3.....	.....	1905	649	487	"	453	Norfolk	.....	.....	150	Oil at 453 ft.
4	10	James Kirk No. 4.....	.....	1905	.....	482	"	.....	.....	Dry	.....	147	Fresh water at 155 ft.
4	10	James Kirk No. 5.....	.....	1905	649	486	"	.....	.....	Dry	.....	143	
5	10	W. J. Hussey and Son..... G. Bell No. 1	.....	1934	646	476	"	392 460	Norfolk	2 bbls.	.....	150	Fresh water at 145 ft. Salt water at 334 ft.
6	10	Anglo-Canadian Petroleum No. 36	.....	1907	.....	496	"	.....	.....	Dry	.....	142	Fresh water at 178 ft.
2	11	Canadian Oil Fields Ltd. No. 8	West half of lot.....	1904	654	512	"	510	Norfolk	.....	.....	165	Gas and water at 510 ft., abandoned.
2	11	Canadian Oil Fields Ltd. No. 29	West half of lot.....	1904	652	486	"	415	"	.....	.....	150	Fresh water at 152 ft. Gas and oil at 415 ft.
2	11	Canadian Oil Fields Ltd. No. 31	West half of lot.....	1905	651	496	"	445	"	.....	.....	150	Fresh water at 152 ft. Oil at 445 ft., abandoned.
2	11	Canadian Oil Fields Ltd. No. 33	West half of lot.....	1905	652	490	"	.....	.....	Dry	.....	155	Fresh water at 158 ft.
2	11	Canadian Oil Fields Ltd. No. 35	West half of lot.....	1905	652	495	"	450	.....	.....	.....	156	Fresh water at 159 ft. Oil and gas at 450 ft.
2	11	Canadian Oil Fields Ltd. No. 36	West half of lot.....	1905	652	495	"	.....	.....	Dry	.....	153	Fresh water at 153 and 161 ft.
2	11	Canadian Oil Fields Ltd. No. 37	West half of lot.....	1905	653	490	"	410	Norfolk	.....	.....	153	Fresh water at 158 ft. Oil at 410 ft., abandoned.
2	11	Canadian Oil Fields Ltd. No. 38	West half of lot.....	1905	654	485	"	455–460	"	.....	.....	160	Fresh water at 166 ft. Gas and oil between 455 and 460 ft.
2	11	Canadian Oil Fields Ltd. No. 40	West half of lot.....	1905	653	490	"	455–460	"	.....	.....	160	Fresh water at 165 ft. Gas and oil at 455 to 460 ft.

Wells in Moore Township, Lambton County—Continued

Lot	Con.	Designation	Location	Year drilled	Altitude in feet above sea-level	Depth in feet	Bedrock formation	Producing depth in feet	Producing formation	Yield Mcf. or bbls.	Pressure in lbs. sq. in.	Thickness of drift in feet	Remarks
2	11	Canadian Oil Fields Ltd. No. 42	West half of lot.....	1905	652	483	Hamilton	460	Norfolk	.....	.....	160	Fresh water at 160 ft. Gas at 460 ft.
2	11	Canadian Oil Fields Ltd. No. 44	West half of lot.....	1905	651	494	"	450	"	.....	.....	160	Fresh water at 167 ft. Gas and oil at 450 ft.
2	11	Canadian Oil Fields Ltd. No. 45	West half of lot.....	1905	654	491	"	.....	.....	Dry	.....	160	Fresh water at 167 ft.
2	11	Canadian Oil Fields Ltd. No. 47	West half of lot.....	1905	654	495	"	.....	.....	Dry	.....	160	Fresh water at 170 ft.
2	11	Canadian Oil Fields Ltd. No. 48	West half of lot.....	1906	656	495	"	410	Norfolk	.....	.....	155	Fresh water at 158 ft. Gas and oil at 410 ft., abandoned.
2	11	Canadian Oil Fields Ltd. No. 50	West half of lot.....	1906	654	490	"	.....	.....	Dry	.....	160	Fresh water at 168 ft.
2	11	Canadian Oil Fields Ltd. No. 55	West half of lot.....	1906	654	490	"	425–463 463	Norfolk	.....	.....	160	Fresh water at 172 ft. Gas at 463 ft. Oil at 425 and 463 ft.
2	11	Canadian Oil Fields Ltd. No. 56	West half of lot.....	1906	654	495	"	455–460	"	.....	.....	160	Fresh water at 163 ft. Gas at 460 ft. Oil at 455 and 460 ft.
2	11	Canadian Oil Fields Ltd. No. 57	West half of lot.....	1906	653	490	"	460	"	.....	.....	155	Fresh water at 167 ft. Gas and oil at 460 ft.
2	11	Canadian Oil Fields Ltd. No. 58	West half of lot.....	1906	653	494	"	460	"	.....	.....	158	Fresh water at 161 ft. Oil at 460 ft.
2	11	Canadian Oil Fields Ltd. No. 59	West half of lot.....	1906	651	491	"	458	"	.....	.....	158	Fresh water at 163 ft. Gas and oil at 458 ft.
2	11	Canadian Oil Fields Ltd. No. 60	West half of lot.....	1906	652	495	"	418	"	.....	.....	155	Fresh water at 167 ft. Gas and oil at 418 ft.
2	11	Bailey.....	East half of lot.....	.....	653	481	"	405–455	"	18 bbls.	.....	150	
3	11	Canadian Oil Fields Ltd. No. 6	East half of lot.....	1904	653	490	"	450	"	.....	.....	155	Fresh water at 163 ft. Gas and oil at 450 ft., abandoned.
3	11	Canadian Oil Fields Ltd. No. 9	East half of lot.....	1904	652	511	"	412–460	"	.....	.....	171	Gas and oil at 422, 440, and 460 ft., abandoned.

3	11	Canadian Oil Fields Ltd. No. 10	West half of lot.....	1904	653	507	"	406–450	"	.....	.....	167	Gas at 406, 414, and 446 ft. Oil at 414, 430, and 446 ft.
3	11	Canadian Oil Fields Ltd. No. 11	East half of lot.....	1904	652	502	"	415–463	"	.....	.....	164	Fresh water at 173 ft. Gas at 415 ft. Oil at 430 and 463 ft.
3	11	Canadian Oil Fields Ltd. No. 12	East half of lot.....	1904	.....	503	"	430–465 405	"	.....	.....	171	Gas at 405 ft., abandoned. Oil from 430 to 465 ft.
3	11	Canadian Oil Fields Ltd. No. 13	West half of lot.....	1904	655	490	"	420–465 410	"	.....	.....	160	Fresh water at 160 ft. Gas at 410 ft. Oil at 420 to 465 ft.
3	11	Canadian Oil Fields Ltd. No. 14	East half of lot.....	1904	653	501	"	410–440	"	.....	.....	171	Fresh water at 171 ft. Gas at 410 ft. Oil at 410 and 440 ft.
3	11	Canadian Oil Fields Ltd. No. 15	East half of lot.....	1904	653	508	"	445–465	"	.....	.....	160	Fresh water at 160 ft. Gas at 465 ft., abandoned. Oil at 445 and 465 ft.
3	11	Canadian Oil Fields Ltd. No. 16	East half of lot.....	1904	653	508	"	440	"	.....	.....	175	Gas and oil at 440 ft.
3	11	Canadian Oil Fields Ltd. No. 17	East half of lot.....	1904	653	.....	"	465	"	.....	.....	159	Oil at 465 ft., abandoned.
3	11	Canadian Oil Fields Ltd. No. 18	West half of lot.....	1904	653	501	"	445	"	.....	.....	164	Gas and oil at 445 ft.
3	11	Canadian Oil Fields Ltd. No. 19	West half of lot.....	1904	653	.....	"	.....	.....	.....	.....	.....	
3	11	Canadian Oil Fields Ltd. No. 20	West half of lot.....	1904	653	490	"	440	Norfolk	.....	.....	155	Gas and oil at 440 ft.
3	11	Canadian Oil Fields Ltd. No. 21	East half of lot.....	1904	.....	490	"	.....	.....	Dry.....	.....	155	Fresh water at 158 ft.
3	11	Canadian Oil Fields Ltd. No. 22	West half of lot.....	1904	651	500	"	435	Norfolk	.....	.....	152	Fresh water at 155 ft. Gas and oil at 435 ft.
3	11	Canadian Oil Fields Ltd. No. 23	East half of lot.....	1904	.....	505	"	.....	.....	Dry.....	.....	150	Fresh water at 152 ft.
3	11	Canadian Oil Fields Ltd. No. 24	West half of lot.....	1904	651	510	"	445	Norfolk	.....	.....	150	Fresh water at 153 ft. Gas and oil at 445 ft.
3	11	Canadian Oil Fields Ltd. No. 25	East half of lot.....	1904	651	490	"	445	"	.....	.....	150	Fresh water at 155 ft. Gas and oil at 445 ft., abandoned.
3	11	Canadian Oil Fields Ltd. No. 26	East half of lot.....	1904	652	496	"	462	"	.....	.....	150	Fresh water at 152 ft. Gas and oil at 462 ft.
3	11	Canadian Oil Fields Ltd. No. 27	West half of lot.....	1904	650	500	"	455	"	.....	.....	147	Fresh water at 149 ft. Gas and oil at 455 ft.
3	11	Canadian Oil Fields Ltd. No. 28	East half of lot.....	1904	652	490	"	455	"	.....	.....	150	Fresh water at 155 ft. Gas and oil at 455 ft.

Wells in Moore Township, Lambton County—Continued

Lot	Con.	Designation	Location	Year drilled	Altitude in feet above sea-level	Depth in feet	Bedrock formation	Producing depth in feet	Producing formation	Yield Mcf. or bbls.	Pressure in lbs. sq. in.	Thickness of drift in feet	Remarks
3	11	Canadian Oil Fields Ltd. No. 30	West half of lot	1905	651	486	Hamilton	415	Norfolk	.....	.....	152	Fresh water at 154 ft. Gas and oil at 415 ft.
3	11	Canadian Oil Fields Ltd. No. 32	West half of lot	1905	652	504	"	417	"	.....	.....	155	Fresh water at 158 ft. Oil at 417 ft.
3	11	Canadian Oil Fields Ltd. No. 34	West half of lot	1905	647	500	"	.....	.....	Dry	.....	147	Fresh water at 148 ft.
3	11	Canadian Oil Fields Ltd. No. 39	West half of lot	1905	650	490	"	.....	.....	Dry	.....	155	Fresh water at 159 ft. Show oil at 465 ft.
3	11	Canadian Oil Fields Ltd. No. 41	West half of lot	1905	650	489	"	410 460 410	Norfolk "	.....	.....	155	Fresh water at 162 ft. Gas at 410 ft., abandoned. Oil at 410, 453 to 460 ft.
3	11	Canadian Oil Fields Ltd. No. 43	West half of lot	1905	650	485	"	.....	.....	Dry	.....	160	Fresh water at 160 ft. Gas and show of oil at 410 ft.
3	11	Canadian Oil Fields Ltd. No. 49	East half of lot	1906	654	490	"	455	Norfolk	.....	.....	160	Fresh water at 165 ft. Gas and oil at 455 ft.
3	11	Canadian Oil Fields Ltd. No. 51	East half of lot	1906	653	490	"	462	"	.....	.....	155	Fresh water at 167 ft. Gas and oil at 462 ft.
3	11	Canadian Oil Fields Ltd. No. 52	East half of lot	1906	651	491	"	460	"	.....	.....	160	Gas and oil at 460 ft.
3	11	Canadian Oil Fields Ltd. No. 53	East half of lot	1906	651	490	"	462	"	.....	.....	155	Fresh water at 167 ft. Gas and oil at 462 ft.
3	11	Canadian Oil Fields Ltd. No. 54	East half of lot	1906	651	490	"	.....	.....	Dry	.....	160	Fresh water at 170 ft. Show of oil at 445 ft.
3	11	Canadian Oil Fields Ltd. No. 61	East half of lot	1906	653	490	"	.....	.....	Dry	.....	160	Fresh water at 170 ft. Show of oil at 445 ft.
3	11	Noble and Bryant No. 1	West half of lot	1904	652	500	"	399	Norfolk	.....	.....	145	Fresh water at 145 ft. Gas at 399 ft.
3	11	Noble and Bryant No. 11	West half of lot	1905	652	500	"	.....	.....	Dry	.....	143	Fresh water at 143, 158, and 193 ft.
4	11	Lambton Syndicate No. 1 Wright Bros. Farm	East half of lot	1904	649	520	"	435-450	Norfolk	.....	.....	153	Gas at 435 and 450 ft. Show of oil at 450 ft.

4	11	Lambton Syndicate No. 3..... Robert Duncan farm	West half of lot.....	1904	646	490	"	.....	.....	Dry	.....	155	
4	11	Lambton Syndicate No. 4..... Robert Duncan farm	West half of lot.....	1904	646	518	"	455	Norfolk	.....	.....	153	Gas at 455 ft.
4	11	Lambton Syndicate No. 6..... Wright Bros. farm	East half of lot.....	1904	650	500	"	410–455 410	" "	.....	.....	155	Fresh water at 155 ft. Gas at 410 ft. Oil at 410 and 455 ft.
4	11	Lambton Syndicate No. 8..... Robert Duncan farm	West half of lot.....	1904	646	.....	"	455	"	.....	.....	150	Gas and oil at 455 ft.
4	11	Lambton Syndicate No. 9..... Wright Bros. farm	East half of lot.....	1904	649	485	"	435–460 415	" "	.....	.....	155	Gas at 415 ft. Oil at 460, 450, and 435 ft.
4	11	Lambton Syndicate No. 10..... Wright Bros. farm	East half of lot.....	1904	646	500	"	440–445 405–410	" "	.....	.....	154	Fresh water at 154 ft. Gas at 405 and 410 ft. Oil at 440 and 445 ft.
4	11	Lambton Syndicate No. 11..... Wright Bros. farm	East half of lot.....	1904	652	500	"	432	"	.....	.....	148	Gas and oil at 432 ft.
4	11	Lambton Syndicate No. 12..... Wright Bros. farm	East half of lot.....	1905	.....	496	"	.....	.....	Dry	.....	150	Show gas and oil at 415 and 432 ft.
4	11	Lambton Syndicate No. 13..... Wright Bros farm	East half of lot.....	1905	.....	497	"	.....	.....	.....	.....	148	
4	11	Lambton Syndicate No. 14..... Wright Bros. farm	East half of lot.....	1905	.....	487	"	445	Norfolk	.....	.....	152	Little gas at 445 ft.
4	11	Lambton Syndicate No. 19..... Wright Bros. farm	East half of lot.....	1905	.....	490	"	455	"	.....	.....	149	Show of gas at 455 ft. Oil at 455 ft.
4	11	Lambton Syndicate No. 20..... Wright Bros. farm	East half of lot.....	1905	652	491	"	455	"	.....	.....	155	Oil at 455 ft. Show of gas at 455 ft.
4	11	Lambton Syndicate No. 21..... Robert Duncan farm	West half of lot.....	1905	646	846	"	450	"	.....	.....	150	Fresh water at 180 ft. Gas and oil at 450 ft.
4	11	Lambton Syndicate No. 22..... Robert Duncan farm	West half of lot.....	1905	646	490	"	440	"	.....	.....	150	Fresh water at 150 ft. Gas and oil at 440 ft.
4	11	Lambton Syndicate No. 25..... Robert Duncan farm.....	West half of lot.....	1906	650	491	"	455 435	"	.....	.....	148	Fresh water at 153 ft. Gas at 435 ft. Oil at 455 ft.
4	11	Lambton Syndicate No. 26..... Robert Duncan farm	West half of lot.....	1906	650	491	"	440	"	.....	.....	150	Fresh water at 150 ft. Gas and oil at 440 ft.
4	11	Lambton Syndicate No. 27..... Robert Duncan farm	East half of lot.....	1906	650	500	"	435–460 435	"	.....	.....	154	Gas at 435 ft. Oil at 435 and 460 ft.
4	11	Lambton Syndicate No. 28..... Robert Duncan farm	.....	1907	.....	500	"	455	"	.....	.....	.....	Show oil. Show gas.

Lot	Con.	Designation	Location	Year drilled	Altitude in feet above sea-level	Depth in feet	Bedrock formation	Producing depth in feet	Producing formation	Yield Mcf. or bbls.	Pressure in lbs. sq. in.	Thickness of drift in feet	Remarks
4	11	Lambton Syndicate No. 29..... Robert Duncan farm	East half of lot.....	1907	652	499	Hamilton	.....	.....	Dry	.....	150	Show gas and oil at 450 ft.
4	11	Lambton Syndicate No. 30..... Robert Duncan farm	East half of lot.....	1907	652	500	"	455	Norfolk	.....	.....	152	Fresh water at 157 ft. Gas and oil at 455 ft.
4	11	Lambton Syndicate No. 33..... Robert Duncan farm	West half of lot.....	1908	.....	495	"	.....	.....	Dry	.....	150	Show gas at 455 ft.
4	11	Noble and Bryant No. 5.....	West half of lot.....	1904	639	504	"	412	Norfolk	.....	.....	130	Fresh water at 163 ft. Gas and oil at 412 ft.
4	11	Noble and Bryant No. 6.....	West half of lot.....	1904	647	475	"	413	"	.....	.....	126	Fresh water at 163 ft. Gas and oil at 413 ft.
4	11	Noble and Bryant No. 7.....	West half of lot.....	1904	647	475	"	412 405	" "	.....	.....	130	Fresh water at 175 ft. Gas at 405 ft. Oil at 412 ft.
5	11	Dawson farm.....	.....	.....	648	477	"	420	"	.....	.....	153	Show oil at 420 ft.
6	11	Huron Syndicate No. 8.....	West half of lot.....	1904	645	.....	"	450	"	.....	.....	140	Gas at 450 ft.
6	11	Huron Syndicate No. 9.....	.....	1905	645	485	"	404	"	.....	.....	154	Fresh water at 162 ft. Gas and oil at 404 ft.
6	11	Huron Syndicate No. 10.....	.....	1905	645	494	"	425	"	.....	.....	154	Fresh water at 159 ft. Gas and oil at 425 ft.
6	11	Huron Syndicate No. 11.....	.....	1905	645	495	"	430	"	.....	.....	150	Fresh water at 160 ft. Gas at 430 ft.
6	11	Huron Syndicate No. 12.....	.....	1905	645	500	"	460	"	.....	.....	150	Fresh water at 155 ft. Gas and oil at 460 ft.
6	11	Huron Syndicate No. 13.....	.....	1906	645	487	"	405 450	"	.....	.....	153	Fresh water at 155 ft. Gas at 450 ft. Oil at 405 ft.
6	11	Huron Syndicate No. 14.....	.....	1906	645	492	"	455	"	.....	.....	153	Gas and oil at 455 ft.
6	11	Huron Syndicate No. 15.....	.....	1906	645	490	"	455	"	.....	.....	150	Fresh water at 152 ft. Gas and oil at 455 ft.
9	11	Huron Syndicate No. 16.....	.....	1906	645	490	"	.....	.....	Dry	.....	157	Fresh water at 167 ft. Show oil 405 ft. Show gas at 455 ft.

6	11	Huron Syndicate No. 17		1908	645	494	"			Dry		158	Fresh water at 178 ft. Show gas and oil between 455 and 460 ft.
6	11	Huron Syndicate No. 18		1908	645	494	"	455–460	Norfolk			160	Fresh water at 180 ft. Gas and oil at 455 and 460 ft.
6	11	Huron Syndicate No. 19		1908	645	492	"			Dry		153	Fresh water at 173 ft. Show gas and oil at 460 ft.
3	12	Leckie No. 1	Southwest quarter	1908	653	470	"			Dry		155	Show of gas.
3	12	Leckie No. 3	Southwest quarter	1908		475	"						
3	12	Leckie No. 4	Southwest quarter	1908		470	"						
4	12	Lambton Syndicate No. 2		1904	652	512	"	445	Norfolk			153	Fresh water at 153 ft. Gas at 445 ft. Oil at 445 to 450 ft.
4	12	Lambton Syndicate No. 5		1904	652	502	"	450	"			148	Fresh water at 168 ft. Gas and oil at 450 ft.
4	12	Lambton Syndicate No. 7		1904	652	504	"	444	"			145	Fresh water at 149 ft. Gas and oil at 444 ft.
4	12	Lambton Syndicate No. 15		1905	652	500	"	388–430	"			147	Oil at 388 and 430 ft.
4	12	Lambton Syndicate No. 16		1905	652	496	"	430	"			147	Water in drift. Gas and oil at 430 ft.
4	12	Lambton Syndicate No. 17		1905	652	500	"			Dry		149	Fresh water at 149 ft. Show of gas at 408 ft.
4	12	Lambton Syndicate No. 18		1905	652	500	"	408	Norfolk			149	Gas at 408 ft.
4	12	Lambton Syndicate No. 23		1905	652	499	"	445 430	" "			145	Fresh water at 150 ft. Gas at 430 ft. Oil at 445 ft.
	12	Lambton Syndicate No. 24		1905		486	"			Dry		145	Show gas at 420 ft. Show oil at 440 ft.
4	12	Lambton Syndicate No. 31		1908	652	501	"			Dry		155	
4	12	Lambton Syndicate No. 32		1908	652	500	"			Dry		153	Show gas at 445 ft. Show oil at 435 ft.
4	12	C. Jackson farm No. 1	West half of lot		649	485	"					145	Oil producer.
4	12	C. Jackson farm No. 2	West half of lot			481	"					146	Oil producer.
4	12	C. Jackson farm No. 3	West half of lot			480	"					146	Oil producer.
4	12	C. Jackson farm No. 4	West half of lot			474	"					145	Oil producer.

Wells in Moore Township, Lambton County—Concluded

Lot	Con.	Designation	Location	Year drilled	Altitude in feet above sea-level	Depth in feet	Bedrock formation	Producing depth in feet	Producing formation	Yield Mcf. or bbls.	Pressure in lbs. sq. in.	Thickness of drift in feet	Remarks
4	12	C. Jackson farm No. 5	West half of lot			448	Hamilton					135	Oil producer.
5	12	Gus McMahon farm No. 1	East half of lot	1906	648	493	"			Dry		156	
5	12	Gus McMahon farm No. 2	East half of lot			491	"					156	Gas and oil well.
5	12	Gus McMahon farm No. 3	East half of lot			480	"					146	Gas well.
5	12	Gus McMahon farm No. 4	East half of lot			480	"					148	Oil and gas well.
5	12	Gus McMahon farm No. 5	Eash half of lot			470	"			Dry		145	Show oil and gas.
5	12	Gus McMahon farm No. 6	East half of lot			470	"			Dry		147	Show oil and gas.
5	12	Gus McMahon farm No. 7	East half of lot			490	"			Dry		150	Show gas.
5	12	Gus McMahon farm No. 8	East half of lot			481	"			16 bbls.		148	Oil well.
5	12	F. J. McMahon No. 1	West half of lot	1905-6	638	494	"						
5	12	F. J. McMahon No. 2	West half of lot	1905-6		497	"			Dry			
5	12	F. J. McMahon No. 3	West half of lot	1905-6		485	"					147	
5	12	F. J. McMahon No. 4	West half of lot	1905-6		490	"					153	Oil and gas.
5	12	F. J. McMahon No. 5	West half of lot	1905-6		491	"			Dry		156	Show oil and gas.
5	12	F. J. McMahon No. 6	West half of lot	1905-6		489	"			Dry		153	Show oil and gas.
5	12	F. J. McMahon No. 7	West half of lot	1905-6		492	"					155	Oil at 460 ft.
5	12	F. J. McMahon No. 8	West half of lot	1905-6		490	"			6 bbls.		158	Oil producer.
5	12	F. J. McMahon No. 9	West half of lot	1905-6		468	"			Dry		145	Show oil and gas.
5	12	F. J. McMahon No. 10	West half of lot	1905-6		470	"					140	Gas producer. Show oil.
5	12	F. J. McMahon No. 11	West half of lot	1905-6		470	"					145	Oil producer.
5	12	F. J. McMahon No. 12	West half of lot	1905-6		467	"					148	Oil producer. Show gas.
5	12	F. J. McMahon No. 13	West half of lot	1905-6		468	"					150	Oil producer.

LAMBTON COUNTY

Western Salt Co., Ltd.,
Courtright, Ont. From W.Y. Williams notes

Lot 23, River Range, Moore Twp.

Completed previous to 1920

Formation	Thickness From			Depth To
Surface				165
Soap	230	0	85	250
Hard brown shale		160	160	410
Firm blue shale	418		208	618
Soap			162	780
Grey limestone	790		110	890
Buff "	902			1220
Buff " & chert	1230			1335
Buff "	1345			1440
Brown "	1450	50		1490
Grey "	1502	100		1590
Buff "	1595			1610
Grey "	1620			1645
Buff grey"	1655			1720
Salt	1728			1755
Grey "	1768			1820
Salt	1820			1850
Grey arg. lime	1860			1865
salt	1878			1985
Gyp. salt				1990
Salt	1910			2110
Gyp. "				2117
Grey limestone				2122

MOORE Tp Wells	NE¼ lot 4 Con. VI 1904	NE part lot 1. Con VIII 1905-06	W½ lot 1 Con IX 1907	E½ lot 2 Con X 1907	W½ lot 3 Con XI	E½ lot 4 Con XII
Surface	123	118	132	150	160	145
Black Shale	50	..	..	..	..	..
Top rock	90	90	65	55	50	55
Upper Soap	120	119	125	125	130	120
Middle Lime	10	15	15	12	10	8
Lower Soap	50	40	45	45	40	50
Dept to Upper Big Lime	443	382	382	387	390	378
Depth of well	500	485	491½	499	490	499
Gas Horizon	..	447	445	420-425	410	430
Oil Horizon	...	447 460	445	420 425	420 465	445

Moore

~~Sarnia~~ Tp. S.E. Cor. lot 16 Con. I vr III

Sarnia Oil and Gas Co #1 Haywood

Oct. 23rd 1929 Elev. ____

Surface	145	145
Huron black shale	53	198
Hamilton lime	30	228
Soap & lime	376?	604
Onondaga 101 Limestone	426	1030
Detroit River 325		
Sharp sand	60	1090
lime stone	110	1200
grey lime & salt	80	1280
Dark lime	38	1318
Grey shale	8	1326
Hard grey lime	48	1374
Shale & lime	20	1394
Buff limestone	30	1424
Salt "	6	1430
Hard "	64	1494
Salt	21	1515
Grey shale	82	1597
Salt	45	1642
Shale & salt	28	1670
Salt	97	1867
Salt & lime	136	2003
Shale & lime (Driller Guelph)	90	2093
" "	137	2230
Lime (Driller Niag)	105	2335
Blue shale & lime (Driller Clinton)	32	2367
Cabot Head ~~Cabot~~ Red shale	35	2402
grey shale	55	2457
Soft lime & shale	38	2495
lime & sandstone?	25	2520
grey shale	15	2535
Queenston Red shale	5	2540
"	290	2830

Fresh water 147

Black water 705.

~~Salt 4430 rises 4000'~~

Casing - 145' - 10"
625' - 8"
1230' - 6 5/8"

Deepened

Lorraine Blue Shale	220	3050
Utica Brown "	158	3208
Trenton lime	957	4165
~~Potsdam~~ Arkose	13	4178
Granite	2	4180

Show of gas at 3490 & 3690

MOORE Tp. (Carman & Fairbanks near Davis Well lot 3 Con X)
(See Ont. Bur. Mines. Vol. XIV Pt I p. 112.)

Surface	143	143	
HAMILTON			
"Top Rock"	48	191	
Soapstone	130	321	
Middle lime	15	336	
Soapstone	42	378	Oil 395 to 410
Streak of lime	3	381	
Soapstone	2	383	
Corniferous			
Lower lime	68	451	
Details of the Corniferous formation in this well are as follows:			
Crystalline limestone	.....	395	
Grey	.....	400	
Grey	.....	402½	
Grey, no oil	.....	405	
Soft	.....	407½	
Rock well browned with oil	.....	410	
Grey	.....	412	
Crystálline	.....	417½	
Soft, browner, more crystalline	.....	422½	
Grey, oil came in	.....	425	
Hard	.....	427½	
Brown and more sandy	.....	430	
Crystalline	.....	437½	

*Moore tp., West half l. 2, Con. X. Furnished by John D. Noble, Petrolia:

Surface	149	149	
Top rock	55	204	
Top soapstone	120	324	
Middle lime	15	339	
Lower soapstone	45	384	
Total depth of well	.....	495	

Depth of lower lime, 384 feet.

*Moore tp., East half l. 1, con. IX. Furnished by John D. Noble, Petrolia:

Surface	130	130	
Top rock	65	195	
Top soapstone	125	320	
Middle lime	15	335	
Lower soapstone	45	380	
Total depth of well	.....	490	

Depth of lower lime, 380 feet.

*Moore tp., East half l. 4, con. VIII. Furnished by John D. Noble, Petrolia:

Surface	147	147	425 Gas
Top rock	65	212	455 Oil
Top soapstone	120	332	
Middle lime	15	347	
Lower soapstone	45	392	
Total depth of well	.....	491	

Depth of lower lime, 392 feet.

*Moore tp., North part l. 3, con. VIII. Furnished by John D. Noble, Petrolia:

Surface	144	144	
Top rock	60	204	
Top soapstone	120	324	
Middle lime	14	338	
Lower soapstone	50	388	
Total depth of well	.....	500	

Depth of lower lime, 388 feet.

Well Records in Ontario—Continued

Localities and formations	Thickness Feet	Depth Feet	Depth at which oil or gas occurred

Record of the Well Drilled at Corunna.

	Thickness	Total
5. Drift	120 Ft.	120 Ft.
Port Lambton beds		
4. Black shale	8 "	128 "
3. Greenish sandstone	20 "	148 "
Huron shale (probably including part of the Port Lambton beds)		
2. Black shale with pyrite	185 "	333 "
Hamilton beds		
1. (Ipperwash limestone) grey limestone and shale	17 "	350 "

[1]Hunt, T. Sterry, Geol. Surv., Canada, Rept. of Progress from 1863-1866 (1866), p. 243.

Log No. 103.—Information by E. Coste & Co., Chatham

Centre — Lot 23 — Concession I — Township Moore — County Lambton

Dry hole. Completed October 6, 1923.

Formation	Thickness of formation
Surface	195 feet
Portage	205 "
Hamilton	247 "
Corniferous (big lime)	203 "
Salina	80 "
Total depth	930 feet

Gas at 140 and 245 feet.

Oil saturated lime 745 to 795, 850 to 885, 870-880, 910-915

Corniferous Limestone (lower lime)	130	370

Oil is found in both these wells at 370 feet, or about 60 feet below the summit of the Corniferous limestone.

Oil Springs, other wells at (Geol. Sur. Can., Vol. V, Part II, p. 63Q):

Enniskillen tp., l. 19, con. II.

Clay 42 feet; shale, etc., 182 feet, at which depth a copious flow of oil was obtained; 595 feet limestone.

Enniskillen tp., l. 18, con. II.

Depth of well 1,000 feet; clay 77 feet, grey shale, etc., 300 feet, below which only "hard rock" was found, until near the bottom, when soft shales were again met with, in this well small portions of oil were said to have been found by the sand pumps at depths of 210 and 400 feet in the solid rock beneath the shales.

G.S.C. Vol. VI. 1892-93. p. 196 S.
Drilled in 1892. by Mayn John Savage
Brown & Armstrong Drillers.
Moore Tp. in Mooretown.

Clay & Hardpan	145'		Salt water @ 968 and 1125
Black & Grey shale	355	500	
Limestone	40	540	Show gas @ 1420
Shale with limestone	235	775	Casing 902
Limestone	250	1025	
Gypsum	65	1090	
Limestone & dolomite	210	1300	
Salt	3	1303	
"Sandstone" (?)	30	1333	
Limestone & dolomite (gas)	187	1520	
Dolomite	73	1593	
Gypsum Red shale & salt	42	1635	
Black Rock	8	1643	
Salt.	50	1693	
	1693		

A second well was drilled ¼ mile north of the one opposite at the village of Mooretown.
"Boring operations at the time of my visit were at a standstill owing to the tools having become stuck at a depth of 900 feet.

Corunna, Moore tp., l. 28, con. I (Geol. Sur. Can., Vol. V, Part II, p. 67Q): at village of Corunna.

Surface deposits		
Clay	54	54
Shingle of black shale	56	110
Clay	10	120
Portage and Chemung		
Shale, black	8	128
Sandstone, greenish	20	148
Shale, black, with pyrites	185	333
Hamilton		
Grey shale and lime	17	350

Moore Tp.
Courtright (Geol. Sur. Can., Vol. V, Part II, p. 68Q): Courtright Salt Co. June 1864 Elev. 558

Surface deposits			Gas at 160
Sand	132	132	
Hardpan	28	160	Salt water 680
Portage			
Shale, black	32	192	Cased at 740
Hamilton			
Limestone	40	232	
Shale and limestone	310	542	
Limestone, white	50	592	
Corniferous			
Limestone, grey	100	692	
Onondaga, including lower part of Corniferous			
Limestone, white hard	370	1,062	
Sandstone or dolomite?	32	1,094	
Limestone	400	1,494	
Limestone and gypsum	136	1,630	
Salt	22	1,652	
Gypsum	13	1,665	

Top of well 588 feet above tide.
Some gas was met with at the base of the surface deposits.

Moore tp., l. 3, con. X (Ont. Bur. Mines, Vol. XIV, Part I, p. 112): Davis Well near old Sarnia Plank Road. July 1904.

Surface	148	148	445 to 450 Oil
Hamilton			400 Gas
"Top rock" (upper lime)	45	193	Initial Flow
Shale (upper soapstone)	125	318	100 bbls.
Limestone (middle lime)	15	333	
Shale (lower soapstone)	47	380	
Limestone (lower lime)	111	491	

Moore tp. (drilled by ~~Fairbanks~~ and Carman) (Ont. Bur. Mines, Vol. XIV, Part I, p. 112): near Davis well above

Surface	143	143	395 Oil
Hamilton			410 "
"Top rock"	48	191	
Soapstone	130	321	
Middle lime	15	336	

Well Records in Ontario—Continued

Stauffer Devonian SW Ont page. 192

Record of Well on Lot 5, Concession XII, Moore Township.
Comp. June. 28. 1910. by Wm McIntosh. Petrolia

		Thickness	Total
6.	Drift	147 Ft.	147 Ft.
	Hamilton beds		
5.	Ipperwash limestone	61 "	208 "
4.	Petrolia shale, perhaps including part of the Widder beds	127 "	335 "
3.	Widder beds	12 "	347 "
2.	Olentangy shale	46 "	393 "
1.	Delaware limestone	77 "	470 "

Gas in paying quantity was struck at 438 feet and the well is now a good producer of both oil and gas.

Shales, etc.	224	277

Location. Well near middle of north half of lot 3, con. XI, Moore tp. J.D. Noble.
G.S.C. Summary Rept 1918 Pt E p. 32.

	Thickness.	Depth.
Surface clay, etc.	164	164
Gravel	7	171
Ipperwash limestone or "top rock"	52	223
Petrolia shale or "top soap"	120	343
Widder beds or "middle lime"	15	358
Olentangy shale or "lower soap"	40	398
Delaware and Onondaga limestone, or "lower lime" to bottom of well	104	502

Some gas at 415 feet.
Oil at 430 to 463 feet.

Oil

"Top rock"		
Soapstone	130	228
Middle lime	20	248

This log is also in Sarnia

Record of a Well Drilled at King's Grist-mill, Sarnia.[1]
Stauffer. Devonian of S.W. Ontario

		Thickness	Total
11.	Drift	120 Ft.	120 Ft.
	Huron shale		
10.	Black shale	36 "	156 "
	Hamilton beds		
9.	Ipperwash limestone	30 "	186 "
8.	Petrolia shale, including part of Widder beds	263 "	449 "
7.	Widder beds (part only)	5 "	454 "
6.	Olentangy shale	40 "	494 "
5.	Delaware limestone	60 Ft.	554 Ft.
	Onondaga limestone		
4.	Grey limestone	100 "	654 "
	Detroit River beds		
3.	Hard limestone	546 "	1,200 "
	Salina beds		
2.	Hard and flinty limestone	200 "	1,400 "
1.	Limestone with gypsum	105 "	1,505 "

Probably not deep enough to reach salt.

MOORE TWP

lot	Con.	Owner	Location	Year Drilled	Elev	Total Depth	Bedrock Form	Depth to Prod	Prod Form	INITIAL Prod	RP	Thick Drift	
2	X	Anglo Can Pet Albert Saunders #1	West ½ lot Saunders farm	1904	-	-	Hamilton	396	Norfolk	-	-	149	Gas & oil at 396
2	X	Do Saunders # 2	do	1904	-	495	do			-		149	show gas at 390 Show oil 390, 410 and 435
2	X	do # 3	do	1904	651	495	do	-	-	Dry		149	gas at 297
2	X	# 4	do	1904	654	-	-	-	Norfolk	"		145	Show gas oil 392, 430 and 450
2	X	" 5	do	1904	654		"	-	-	Dry	-	143	& do 392
2	X	" 6	"	1904	650	485	-	-	-	Dry	-	150	Show gas at 445 " oil at 435 and 460
2	X	" 7	"	1905	652	485	"	"	"	Dry	-	150	Show gas at 420 " oil at 404 and 420
2	X	8		1905	651	483	"	405	"	-	-	150	gas at 405 Oil at 404
2	X	9		1905	651	491	"	400-415 405	"	-	-	-	gas at 405 Oil at 400 to 415
2	X	10		1905	651	483	"	415	"	-	-	150	gas & oil at 415
2	X	11		1905	650	500	"	-	-	Dry		150	
2	X	12		1905	651	490	"	-	-	Dry	-	154	Show gas at 415 Show oil at 460
2	X	13		1905	650	493	"	455	"	-	-	147	gas oil at 455
2	X	14		1905	650	495	"	-	-	Dry	-	143	Show gas oil 435

MOORE TWP

Lot #	Con	Owner	Location	Date Drilled	E/W	Total Depth	Bedrock Formation	Producing Depth	Producing Formation	Initial Prod	R P	Thick Surface	Remarks (Caley page 207)
5	XII	F J McMahon #14	west ½ lot	1905-6	-	490	Hamilton	-	-	-	-	150	
5	XII	do #15	do	do	-	472	H	-	-	Dry	-	145	Show oil & gas
23	RR	Western Salt Co #1	350' N 600' E of River Rd.	-	588	-	- -			-		-	Salt well
23	RR	do #2	450' N 600' E of Riv Rd	-	588	-	- -			-		-	do
23	RR	do #3	50' S 1250' E of Riv. Rd.	1929	600	4420	Kettle Point			Dry		160	Show gas at 3540
36-37	RR	Webster Bros	Mooretown	-	606±	1709	"			—		132	Salt well
36-37	RR	Brown & Armstrong	do	-	606±	1693	?			—		145	Salt water 868' Gas at 1420
68	Front	Miller Hess Estate	300' S 2200' W	1930	619	803	do			Dry		133	Fresh water at 128 gas at 630
68	Front		300' S 2800' W.	-	608	350	do			- -		120	- - - -

LOG NO. 101.—DUNCAN BROS., PETROLIA
Lot 3, con. X, Moore tp. Wright Farm

Completed July 21, 1924.
Dry hole. Driller Alex Forsyth

Formation	Thickness, ft.
Surface	150
Top rock	60
Top soap	120
Middle lime	20
Lower soap	40
Lower lime	90
Total depth	480

Water at 1,[illegible]

J. C. APPLEMAN, SARNIA
Lot 5, con. VII, Moore tp.

Completed March 30, 1927.
Dry hole.

Formation	Thickness, ft.
Surface	113
Shale	63
Lime	4
Lime and soap	14
Lime	51
Soap	5
Lime	5
Soap	123
Middle lime	14
Lower soap	42
Lower lime	128
Total depth	562

Water at 1,670 feet.
Salt at 1,325 to 1,500 and 1,510 to 1,530 feet.

WESTERN SALT CO., LTD., COURTRIGHT
Lot 23, W. pt. Front con., Moore tp.

Completed December 13, 1929.
Dry hole.

Formation	Thickness, ft.
Clay	160
Grey shale	70
Black shale	20
Blue shale	270
Dark lime	100
Light-grey lime	170
White lime	100
Buff lime	330
Dark-blue lime	110
Blue shale	70
Sand and shale	40
Pepper and salt	50
Blue shale	132
First salt	5
First lime	108
Second salt	15
Second lime	10
Blue shale	50
Blue lime	15
Third salt	25
Third lime	10
Fourth salt	20
Fourth lime	10
Fifth salt	55
Broken lime	5
Sixth salt	155
Sixth lime	6
Seventh salt	24
Broken lime	5
Brown lime	40
Grey lime	20
Blue lime	94
Eighth salt	96
Grey lime	5
Brown lime	108
Dark-grey lime	20
Light-grey lime	20
Dark-grey lime	25
Light-grey lime	69
Dark shale	23
Dark lime	8
Blue shale	6

Formation	Thickness, ft.
Red shale	35
Blue shale	61
Lime	33
Sandy lime	27
Blue shale	10
Red shale	115
Lime	15
Grey shale	480
Lime (Trenton)	970
Arkose	10
Total depth	4,420

Oil at 2,540 feet. show 4430
Water at 4,420 feet. rose 150 ft from surface.
(Stated to be 4484 ft deep ?)

SARNIA GAS CO., SARNIA
Lot 16, con. I, Moore tp.

Completed October 23, 1929.
Dry hole.

Formation	Thickness, ft.
Surface	145
Huron	15
Hamilton	444
Onondaga and Detroit River	596
Salina	893
Guelph and Niagara	242
Rochester shale	32
Cabot Head	90
Manitoulin dolomite	63
Queenston shale	310
Hudson River	220
Utica shale	158
Trenton lime	957
Potsdam	13
Granite	2
Total depth	4,180

Showing of gas at 3,490 feet.
Showing of oil at 3,690 feet.
Water at 147 and 705 feet.

MILLAR, HESS SYNDICATE, DETROIT, MICH.
Lot 68, Front con., Moore tp.

Completed July 21, 1930. D.R. Miller Farm
Dry hole. Gregory Driller.

Formation	Thickness, ft.
Blue clay	128
Sand	5
Brown shale and rock	7
Top rock	30
Brown shale	200
Middle lime	30
Lower soap	210
Lime	193
Total depth	803

Gas at 630 feet.
Water at 128 and 735 feet.
Fresh salt
Big lime

F. L. PATTERSON AND ASSOCIATES
Lot 4, con. IX, Moore tp.

Completed April 17, 1934.
Small oil well.

Formation	Thickness, ft.
Surface	145
Top rock	47
Top soap	133
Middle lime	12
Lower soap	45
Lower lime	392
Total depth	465

Oil at 392, 400, and 420 feet.
Fresh water at 172 feet.

Middle lime	[illegible]
Lower soap	19
Big lime	91
Total depth	500

W. J. Hussey and Son

Lot 5, con. X, Moore tp.

Completed November 20, 1934.
Oil yield: 1½ bbls. per day.

Formation	Thickness ft.
Surface	150
Top rock	50
Top soap	122
Middle lime	13
Lower soap	45
Lower lime	96
Total depth	476

Oil at 392 and 460 feet.
Fresh water at 145 feet; salt water at 334 feet.

F. L. Patterson and Associates

Lot 4, con. X, Moore tp.

Completed May 11, 1934.
Producing oil well.

Formation	Thickness, ft.
Surface	145
Hardpan	5
Top rock	62
Top soap	120
Middle lime	13
Lower soap	50
Lower lime	69
Total depth	464

Oil at 422 feet.
Fresh water at 476 feet.

F. L. Patterson and Associates

Lot 4, con. X, Moore tp.

Completed April 24, 1934.
Dry hole.

Formation	Thickness, ft.
Surface	152
Top rock	63
Top soap	115
Middle lime	12
Lower soap	43
Lower lime	72
Total depth	455

Show of oil at 395 and 419 feet.
Fresh water at 171 feet.

E. R. Wilson and Associates

G. Irwin No. 1, lot 5, con. X, Moore tp.

Completed June 1, 1944.
Small producing oil well.

Formation	Depth, ft.
Surface	145
Top rock	200
Top soap	315
Middle lime	333
Lower soap	388
Lower lime	500

Oil at 470 feet.
Fresh water at 150 feet.

E. R. Wilson and Associates

G. Manley No. 1, lot 7, con. XI, Moore tp.

Completed January 5, 1944.
Dry hole.

Formation	Depth, ft.
Surface	145
Top rock	200
Top soap	360
Middle lime	378
Lower soap	418
Lime	560

Fresh water at 157 and 170 feet.

F. L. Patterson et al.

A. Bruce No. 1, lot 4, con. IX, Moore tp.

Completed April 17, 1935.
Small producing oil well.

Formation	Thickness, ft.
Surface	145
Top rock	47
Top soap	133
Middle lime	12
Lower soap	45
Lower lime	392
Total depth	465

Oil at 392, 400, and 420 feet.
Fresh water at 172 feet.

F. L. Patterson et al.

A. Bruce No. 2, lot 4, con. IX, Moore tp.

Completed April 24, 1935.
Dry hole.

Formation	Thickness, ft.
Surface	152
Top rock	63
Top soap	115
Middle lime	12
Lower soap	43
Lower lime	70
Total depth	455

Show of oil at 395 and 410 feet.
Fresh water at 171 feet.

F. L. Patterson et al.

A. Glover No. 1, lot 4, con. X, Moore tp.

Completed May 11, 1935.
Small producing oil well.

Formation	Thickness, ft.
Surface	145
Hardpan	5
Top rock	62
Top soap	120
Middle lime	13
Lower soap	50
Lower lime	69
Total depth	464

Oil at 422 feet.
Fresh water at 176 feet.

Imperial Oil, Ltd.

L. Smith No. 1, lot 18, con. VIII, Moore tp.

Completed December 27, 1945.
Dry hole.

Formation	Depth, ft.
Surface	153
Black shale	245
Soap	265
Grey lime	320
Soap	450
Middle lime	458
Soap	509
Brown lime	850

Show of oil at 675 to 682 feet.
Fresh water at 150 feet; salt water at 632 to 636 and 848 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

E. J. Booth No. 1, lot 18, con. VI,
Moore tp.

Completed April 24, 1946.
Dry hole.

Formation	Depth, ft.
Surface	132
Shale	232
Lime	320
Top soap	428
Middle lime	440
Lower soap	478
Big lime	600

Fresh water at 135 feet.

IMPERIAL OIL, L[illegible] EASTERN CANADA EXPLORATI[illegible]

G. WI[illegible] No. 1, lot 16, con. VIII,
Moore tp.

Completed June 7, 1946.
Dry hole.

Formation	Depth, ft.
Surface	135
Black shale	211
Grey lime	284
Grey lime and soap	302
Soap	426
Middle lime	435
Soap	461
Grey lime	473
Brown lime	586

Show of oil at 580 feet.
Fresh water at 130 feet; salt water at 240 to 244 feet; sulphur water at 495 feet.

W. D. KENNEDY

Mrs. M. Bell No. 1, lot 51, Front con.,
Moore tp.

This well not complete.
Tools lost in hole.

Formation	Depth, ft.
Surface	143
Hardpan	164
Brown shale	278
Brown and black shale	349
Top rock and hard shale	378
Grey slab and soap	425
Lime shell and hard soap	428
Soap	555
Soap and black streak	615
Big lime	728
Oriskany sand	729
Big lime	900

W. D. KENNEDY

G. Irwin No. 2, lot 5, con. X,
Moore tp.

Completed April 30, 1946.
Dry hole.

Formation	Depth, ft.
Surface	148
Top rock	205
Top soap	321
Middle lime	337
Lower soap	383
Lower lime	510
Dark-grey lime	645
Light-grey lime	762

Salt water at 450 and 510 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

E. F. Johnston No. 1, lot 24, con. VI,
Moore tp.

Completed September 21, 1946.
Dry hole.

Formation	Depth, ft.
Surface	165
Shale	185
Soap	234
Black shale	475
Brown lime	485
Grey lime and soap	555
Soap	675
Lime and shale	690
Soap	735
Lime	775
Crevice	785
Lime	840
Water sand	850
Lime	1,150
Brown lime	1,200
Sharp lime	1,320
Grey lime	1,355
Brown lime	1,420
Lime, shale, and gypsum	1,428
Brown lime	1,460
Lime and shale	1,615
Brown lime and shale	1,702
Salt	1,720
Lime and shale	1,745
Shale	1,845
Brown lime and salt	1,950
Lime and salt streaks	2,105
Salt and brown lime	2,115
Brown lime	2,165
Lime and shale	2,195
Grey lime	2,265
Salt	2,355
Brown and grey lime	2,560
Grey lime and gypsum	2,580
Grey shale	2,615
Red Medina	2,634

Salt water at 837 and 2,175 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

J. Robbins No. 1, lot 23, con. VIII,
Moore tp.

Completed July 3, 1946.
Dry hole.

Formation	Depth, ft.
Surface	146
Shale	290
Lime	363
Soap	375
Lime	380
Soap	490
Lime	502
Soap	555
Lime	825

Fresh water at 143 feet; sulphur water at 681 feet; salt water at 780 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

E. J. White No. 1, lot 13, con. IX,
Moore tp.

Completed March 27, 1946.
Dry hole.

Formation	Depth, ft.
Surface	135
Shale	258
Top soap	398
Middle lime	409
Lower soap	452
Lower lime	780

Fresh water at 469 and 653 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

K. Anderson No. 1, lot 22, con. VII, Moore tp.

Driller: C. Carter.
Completed February 1, 1947.
Dry hole.

Formation	Depth, ft.
Surface	134
Black shale	260
Grey lime and soap	284
Grey lime	330
Grey lime and soap	365
Soap	470
Grey lime	480
Soap	520
Brown lime	615

Fresh water at 134 feet; salt water at 522 and 548 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

J. Gray No. 1, lot 17, con. IV, Moore tp.

Driller: R. McMaster and Sons.
Completed August 13, 1947.
Producing gas well.
Rock pressure: 860 lbs.

Formation	Depth, ft.
Surface	140
Black shale	440
Blue lime	561
Soap	680
Blue lime	695
Soap	726
Blue lime	741
Brown lime	890
Water sand	910
Brown and grey lime and gypsum	1,252
Water sand	1,258
Brown and grey lime	1,505
Blue and grey lime	1,535
Hard brown and blue lime	1,575
Hard brown and grey lime	1,600
Blue lime and gypsum	1,690
Brown and blue lime and shale	1,867
Blue lime and shale	1,891
Blue-grey lime and shale	1,910
Blue and brown lime	2,047
Brown and grey lime	2,058
Salt	2,150
Dark-brown lime	2,263
Dark-blue lime	2,280
Light-grey lime	2,299

Gas at 2,153 to 2,155 and 2,176 to 2,180 feet.
Show of oil at 2,195 feet.
Fresh water at 135 feet; salt water at 890 and 2,295 to 2,299 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

J. and J. Gray No. 1, lot 16, con. IV, Moore tp.

Driller: R. McMaster and Sons.
Completed November 15, 1947.
Dry hole.

Formation	Depth, ft.
Surface	135
Black shale	210
Blue lime	540
Soap	650
Blue lime	725
Soap	740
Blue lime	780
Brown lime	1,055
Brown lime and gypsum	1,080
Brown lime	1,640
Blue lime	1,812
Blue and brown lime	1,930
Blue lime	2,045
Brown lime	2,090
Blue lime	2,200
Blue lime and gypsum	2,205
Brown lime	2,340

Show of gas and oil at 2,210 feet.
Fresh water at 140 feet; salt water at 890 and 2,330 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

E. Judas No. 1, lot 18, con. V, Moore tp.

Driller: R. McMaster and Sons.
Completed June 13, 1947.
Dry hole.

Formation	Depth, ft.
Surface	140
Shale	384
Black shale	470
Lime	535
Soap	555
Lime	560
Soap	670
Lime	680
Soap	720
Lime	850
Water sand	860
Brown lime	1,225
Brown and grey lime	1,350
Brown lime	1,545
Water sand	1,555
Blue lime and gypsum	1,625
Blue and grey lime	1,665
Brown and grey lime	1,700
Brown lime	1,740
Blue lime	1,762
Blue lime and gypsum	1,770
Blue and grey lime	1,805
Brown and grey lime	1,855
Salt	1,972
Lime	2,140
Salt	2,231
Lime	2,265
Hard brown lime	2,345
Grey lime	2,355
Hard brown and grey lime	2,405
Grey lime	2,470
Grey shale	2,480

Show of oil at 140 and 2,237 feet.
Fresh water at 135 feet; salt water at 850 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

G. and B. Hardy No. 1, lot 20, con. VII, Moore tp.

Driller: C. Carter.
Completed January 4, 1947.
Dry hole.

Formation	Depth, ft.
Surface	134
Black shale	2[illegible]
Soap and grey lime	3
Soap	4
Grey lime	450
Soap	499
Brown lime	575

Show of oil at 520 feet.
Fresh water at 134 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

J. and F. MacDonald No. 1, lot 16, con. IV, Moore tp.

Driller: R. McMaster and Sons.
Completed September 22, 1947.
Producing gas well.
Rock pressure: 860 lbs.

Formation	Depth, ft.
Surface	135
Black shale	270
Blue shale and lime	305
Grey, blue, and brown lime	385
Soap	500
Blue lime	510
Soap	550
Blue lime	555
Brown lime	685
Sand shell	725
Brown lime	742
Brown lime and gypsum	852
Brown lime	1,198
Brown and blue lime and gypsum	1,430
Brown lime	1,580
Blue and brown lime	1,665
Salt	1,910
Brown lime	1,975
Blue lime	2,050
Blue and grey lime	2,056
Salt	2,140
Salt and grey lime	2,146
Brown lime	2,175
Blue and brown lime	2,195

Gas at 2,155 to 2,160, 2,168 to 2,172, and 2,183 to 2,184 feet.
Fresh water at 135 feet; salt water at 685 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

J. W. Miller No. 1, lot 12, con. VII, Moore tp.

Driller: C. Carter.
Completed March 6, 1947.
Dry hole.

Formation	Depth, ft.
Surface	124
Black shale	204
Grey lime and soap	234
Grey lime	260
Grey lime and soap	290
Soap	402
Lime	414
Soap	457
Brown lime	660

Show of oil at 625 feet.
Fresh water at 124 feet; sulphur water at 519 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

F. E. Shaw No. 1, lot 15, con. IV, Moore tp.

Driller: R. McMaster and Sons.
Completed November 27, 1947.
Producing gas well.
Rock pressure: 725 lbs.

Formation	Depth, ft.
Surface	127
Shale	263
Brown lime and soap	474
Soap	512
Brown lime	735
Brown lime and gypsum	775
Brown lime	1,050
Blue and brown lime	1,270
Blue lime and gypsum	1,359
Brown and blue lime	1,470
Salt	1,520
Brown lime and salt	1,535
Blue and brown lime	1,620
Salt	1,650
Brown lime	1,670
Salt	1,890
Brown lime	2,025
Salt	2,129
Lime	2,160
Grey lime	2,246
Grey and brown lime	2,265
Brown and blue lime	2,370
Blue shale	2,385

Gas at 2,129 and 2,144 to 2,147 feet.
Fresh water at 135 feet; salt water at 645 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

K. Wilson No. 1, lot 22, con. X, Moore tp.

Driller: W. McKillop.
Completed September 16, 1947.
Dry hole.

Formation	Depth, ft.
Surface	145
Black shale	296
Lime	316
Lime and soap	326
Lime	342
Sharp lime	357
Lime	387

Fresh water at 143 feet.

UNION GAS CO. OF CANADA, LTD.

C. Bush No. 1, lot 6, con. V, Moore tp.

Driller: Kiser Bros.
Completed November 17, 1947.
Dry hole.

Formation	Depth, ft.
Surface	116
Brown shale	212
Top rock	305
Lime and soap	504
Grey lime	664
Brown and grey lime	920
Brown and grey lime	963
Grey lime	1,100
Brown and grey lime	1,160
Blue and brown lime	1,197
Blue shale and gypsum	1,219
Brown and blue lime	1,263
Blue shale	1,341
Brown and blue lime	1,501
Blue shale	1,549
Blue and brown lime	1,579
Brown lime and salt	1,701
Salt and lime shell	1,821
Brown lime and salt	1,833
Brown, blue, and grey lime	1,985
Salt	2,067
Brown lime	2,131
Black lime	2,200
Black and grey lime	2,206
Brown and grey lime	2,257

Sulphur water at 618 feet; salt water at 2,225 feet.

Lime Tests not published
Imperial oil # 128
R. Murray E ½ Lot 21 Con IX
moore twp Dry Hole
Surface 141
Black shale 227
" " + Lime 322
Fresh water 142' + 148'
Completed Nov 3/48

Imperial oil
J. Wilson #1 E ½ Lot 22
Con. X1 E Moore Twp
Completed Dec. 11/47
Dry Hole
Surface 124
Black shale + 74
Lime 299
Lime soapstone 309
Lime 315
Fresh water at 121'

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

W. McDonald No. 1, lot 17, con. VI, Euphemia tp.

Driller: W. McKillop.
Completed March 1, 1948.
Dry hole.

Formation	Depth, ft.
Surface	108
Soap	212
Soap and lime	227
Lime	236
Shale and lime	242
Soap	255
Dark-grey lime	259
Brown lime	465

Show of gas at 223 feet.
Show of oil at 255 feet.
Fresh water at 53 and 105 feet; sulphur water at 396 and 408 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

Nesbitt and Brown No. 1, lot 16, con. VII, Euphemia tp.

Driller: Demaray and Nichols.
Completed September 16, 1948.
Dry hole.

Formation	Depth, ft.
Surface	66
Lime and soap	225
Lime	235
Soap	257
Brown lime	445

Fresh water at 60 feet; salt water at 385 to 391 and 435 to 441 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

Nesbitt and Brown No. 1, lot 18, con. VII, Euphemia tp.

Driller: Demaray and Nichols.
Completed September 2, 1948.
Dry hole.

Formation	Depth, ft.
Surface	73
Lime	100
Soap	190
Lime and soap	235
Lime	250
Soap and lime	310
Brown lime	393

Show of oil at 139 and 193 feet.
Fresh water at 7, 45, and 70 feet; salt water at 391 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

C. Stocking No. 1, lot 16, con. I, Euphemia tp.

Driller: W. McKillop.
Completed May 17, 1948.
Producing oil well.

Formation	Depth, ft.
Surface	126
Lime	134
Soap	194
Lime	208
Soap	225
Brown lime	345

Oil at 225, 234, and 336 feet.
Show of gas at 336 feet.
Fresh water at 66 and 102 feet; salt water at 234 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

C. Stocking No. 3, lot 16, con. V, Euphemia tp.

Driller: Demaray and Nichols.
Completed July 27, 1948.
Dry hole.

Formation	Depth, ft.
Surface	65
Lime and soap	220
Brown lime	351

Show of oil at 330 to 335 feet.
Fresh water at 10 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

H. Stocking No. 2, lot 16, con. V, Euphemia tp.

Driller: D. Holmes.
Completed July 21, 1948.
Producing oil well.

Formation	Depth, ft.
Surface	124
Shale	145
Lime and shale	155
Shale	187
Grey lime and shale	200
Lime	203
Shale	225
Lime	354

Oil at 232 to 235 feet and 344 feet.
Fresh water at 60 to 90 and 120 to 124 feet; salt water at 145 to 150 and 235 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

F. Arnold No. 1, lot 15, con. V, Moore tp.

Driller: R. McMaster and Sons.
Completed February 23, 1948.
Producing gas well.
Rock pressure: 840 lbs.

Formation	Depth, ft.
Surface	134
Black shale	245
Black shale and soap	275
Blue lime	340
Soap	490
Blue lime	510
Brown lime	710
Brown and grey lime	760
Brown lime	1,202
Lime and shale	1,485
Salt	1,500
Blue lime	1,585
Salt	1,865
Lime	2,006
Salt	2,065
Gypsum	2,074
Salt	2,101
Lime	2,148

Gas at 2,108, 2,111 to 2,116, and 2,127 to 2,138 feet.
Fresh water at 134 feet; salt water at 780 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

F. Arnold No. 1, lot 17, con. V, Moore tp.

Driller: R. McMaster and Sons.
Completed January 23, 1948.
Producing gas well.
Rock pressure: 805 lbs.

Formation	Depth, ft.
Surface	139
Blue and brown shale	395
Shale and brown lime	525
Soap	642
Lime	655
Soap	704
Brown lime	873
Brown lime and gypsum	1,200
Hard grey and brown lime	1,285
Blue and brown lime	1,472
Blue lime and gypsum	1,570
Brown and blue lime	1,765
Salt and brown lime	1,870
Salt	1,890
Blue and brown lime	2,038
Salt and gypsum	2,140
Brown lime	2,195

Gas at 2,140 to 2,170 feet.
Show of oil at 2,186 to 2,189 feet.
Fresh water at 135 feet; salt water at 823 feet.

Driller: Stubble and Stubble.
Completed June 9, 1948.
Dry hole.

Formation	Depth, ft.
Surface	131
Brown shale	245
Soap and lime	470
Brown lime	486
Brown and grey lime	722
Brown lime and gypsum	734
Brown and grey lime	1,065
Blue lime and gypsum	1,190
Brown and blue lime	1,377
Salt and lime	1,401
Brown, grey, and blue lime	1,494
Salt	1,500
Brown and blue lime	1,524
Blue lime and gypsum	1,614
Salt	1,638
Grey lime	1,668
Salt and brown lime	1,869
Brown lime	1,900
Grey lime	2,022
Salt	2,108
Grey and brown lime	2,175

Show of oil at 480 feet.
Fresh water at 131 feet; salt water at 486 and 605 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

H. Babcock No. 1, lot 14, con. V, Moore tp.

Driller: Stubble and Stubble.
Completed June 9, 1948.
Dry hole.

Formation	Depth, ft.
Surface	131
Brown shale	245
Soap and lime	470
Brown lime	486
Brown and grey lime	722
Brown lime and gypsum	734
Brown and grey lime	1,065
Blue lime and gypsum	1,190
Brown and blue lime	1,377
Salt and lime	1,401
Brown, grey, and blue lime	1,494
Salt	1,500
Brown and blue lime	1,524
Blue lime and gypsum	1,614
Salt	1,638
Grey lime	1,668
Salt and brown lime	1,869
Brown lime	1,900
Grey lime	2,022
Salt	2,108
Grey and brown lime	2,175

Show of oil at 480 feet.
Fresh water at 131 feet; salt water at 486 and 605 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

V. Duncan No. 1, lot 16, con. V, Moore tp.

Driller: R. McMaster and Sons.
Completed May 15, 1948.
Producing gas well.
Rock pressure: 830 lbs.

Formation	Depth, ft.
Surface	140
Black shale	255
Black shale and lime	390
Soap	492
Lime	638
Blue lime	640
Brown lime	990
Grey and brown lime	1,275
Brown and blue lime	1,285
Brown lime	1,315
Blue shale	1,380
Brown lime	1,510
Salt and brown lime	1,545
Brown lime	1,560
Shale and salt	1,740
Salt	1,905
Brown lime	2,055
Salt	2,150
Brown lime	2,225

Gas at 2,155 to 2,167, 2,175 to 2,190, and 2,194 to 2,201 feet.
Show of oil at 2,183 and 2,194 to 2,201 feet.
Fresh water at 139 feet; salt water at 640 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

J. Gray No. 1, lot 16, con. V, Moore tp.

Driller: R. McMaster and Sons.
Completed December 1, 1948.
Dry hole.

Formation	Depth, ft.
Surface	132
Black shale	230
Blue shale and brown lime	312
Soap and lime	474
Blue lime	484
Brown lime	694
Brown lime and gypsum	745
Brown lime	1,080
Blue and brown lime and gypsum	1,248
Blue shale and gypsum	1,328
Brown and blue lime	1,380
Lime and salt	1,410
Brown and blue lime and gypsum	1,488
Salt and lime	1,520
Blue shale and gypsum	1,590
Salt	1,616
Salt and brown lime	1,846
Salt	1,853
Brown lime	1,920
Blue lime	1,988
Brown lime and gypsum	2,000
Salt and gypsum	2,115
Brown lime	2,200
Blue and brown lime and gypsum	2,430
Blue and brown lime and shale	2,970
Brown and grey lime	3,630
Blue and grey lime	3,690
Brown and grey lime	3,915
Blue and brown lime	4,184
Brown lime and sand	4,194
Granite	4,220

Show of gas at 2,115 feet.
Fresh water at 131 feet; salt water at 593 to 596 feet.

Duthill Gas Pool. The Duthill gas pool lies in lot 11, con. IX, Sombra township. Seven wells have been completed since 1948, only one of which was successful in obtaining production. It had an initial open flow of 379 Mcf. of gas a day, from a reef in the Guelph formation.

Contours on top of the Guelph formation show a small but high reef structure (Map 1042A, inset).

Bickford Gas Pool. The Bickford gas pool lies in lots 4 and 5, con. XI, Sombra township. Drilling began in 1950, and since that time fourteen wells have been completed, only two of which produced gas in commercial quantity. The wells had an initial production of 531 Mcf. and 1,900 Mcf. of gas a day, respectively, from unit A-1 of the lower Salina.

Kimball Gas Field. The Kimball gas field lies in lots 15 to 17, con. IV; lots 12, 15, and 17 to 19, con. V; lots 18 to 20, con. VI; and lot 18, con. VII; Moore township. The field was discovered in 1947, and since that time twenty-eight wells have been completed, fifteen of which are gas wells; two wells produce both oil and gas; one is an oil well; and ten are dry holes. The gas wells varied in initial production from 100 Mcf. to 39,000 Mcf. a day, and the oil wells from 4 to 10 barrels a day. Production is from unit A-1 of the lower Salina, and in two places, where reef structures are present, from the Guelph formation. Production figures are not available for the Kimball field alone, but include Payne, Corunna, Colinville, and Seckerton gas pools. To the end of 1952, combined production was about 9,002,835 Mcf. of gas, and for 1952 was 2,651,152 Mcf. of gas. Approximately 2,991 barrels of oil were recovered during 1951 and 1952. Production for 1952 was 1,485 barrels from six operating wells.

Structure contours on top of the Guelph formation suggest a northwest trending anticline that swings to the northeast (Map 1042A, inset). Reefs are common in the northern part of the field.

The following deep test well illustrates the succession of strata above the Precambrian in this area.

Log of Imperial Oil Limited Well No. 173 (Kimball No. 13)

Location: lot 16, con. V, Moore tp.
Elevation: 630 feet.

——	Thickness	Depth
	Feet	Feet
Drift	132	132
DEVONIAN		
KETTLE POINT		
Shale: black, bituminous; spores; some light olive-green shale at base	87	219
HAMILTON		
IPPERWASH		
Limestone: grey-buff, argillaceous, fine to crystalline, pyritic	15	234
Shale: grey, calcareous; a few fragments of buff crystalline limestone	8	242
Limestone: grey and brown, finely crystalline, argillaceous in part; some grey shale	72	314

——	Thickness	Depth
	Feet	Feet
PETROLIA		
Shale: grey, calcareous, fissile, fossiliferous	105	419
WIDDER		
Limestone: greyish brown, finely crystalline, argillaceous	11	430
OLENTANGY		
Shale: grey, calcareous, firm to fissile, fossiliferous	37	467
Limestone: brownish grey, finely crystalline, shaly, pyritic, fossiliferous	7	474
DUNDEE		
Limestone: buff and brown, finely crystalline, pyritic, fossiliferous	71	545
Limestone: buff, finely crystalline, arenaceous, fossiliferous	16	561
Limestone: clastic, light buff, fine grained, very sandy throughout	13	574
DETROIT RIVER AND BOIS BLANC		
Dolomite: light buff to brown, fine sugary texture	94	668
Dolomite: buff, very sandy throughout; large rounded and frosted quartz grains	8	676
Dolomite: buff to brown, finely crystalline, sugary texture; some gypsum	51	727
Anhydrite; a few fragments of buff finely crystalline dolomite	10	737
Dolomite: buff, finely crystalline	108	845
Limestone: dolomitic, buff, fine to crystalline, good intergranular porosity	15	860
Dolomite: calcareous, buff to brown, fine to crystalline; some light brown chert	38	898
Limestone: dolomitic, arenaceous; grey and brown chert	29	927
Limestone: dolomitic, grey to brown, fine to crystalline; much chert	29	956
Limestone: grey-buff, arenaceous; much grey chert	80	1,036
Limestone: grey, finely crystalline, cherty, arenaceous; minor grey, quartzose, glauconitic sandstone	34	1,070
SILURIAN		
BASS ISLAND		
Dolomite: grey-buff and brown, finely crystalline; oolitic at 1,080 and 1,106 feet	82	1,152
SALINA		
Dolomite: grey to buff, finely crystalline, argillaceous in part; anhydrite	61	1,213
Shale: dark grey, dolomitic, grading to grey, shaly dolomite; anhydrite	18	1,231
Dolomite and dolomitic shale: buff to grey, finely crystalline; pink anhydrite	18	1,249
Shale: red and green; pink anhydrite	55	1,304
Dolomite: buff and grey, finely crystalline, argillaceous in part; some dolomitic shale; anhydrite	73	1,377
Salt; some buff to grey shaly dolomite	10	1,411
Dolomite: buff to grey, finely crystalline; anyhdrite	10	1,421
Anhydrite; some buff dolomite	7	1,428
Dolomite: grey to buff, finely crystalline; dolomitic shale at 1,440 feet; anhydrite	42	1,470
Anhydrite; some shaly dolomite	8	1,478
Dolomite: grey, shaly, finely crystalline; anhydrite	10	1,488

——	Thickness	Depth
	Feet	Feet
SALINA—Conc.		
Salt	13	1,501
Dolomite: buff to grey, shaly, finely crystalline	7	1,508
Salt; some dolomite	8	1,516
Shale: greyish green, dolomitic; anhydrite	8	1,524
Dolomite: buff to grey, shaly, finely crystalline; anhydrite	14	1,538
Shale: greyish green, dolomitic; anhydrite	29	1,567
Anhydrite; some grey shaly dolomite	13	1,580
Dolomite: grey, shaly; grading to greyish green dolomitic shale; anyhdrite	12	1,592
Upper Salt		
Salt; scattered fragments of dolomite	263	1,855
Unit A-2		
Dolomite: buff-brown, fine, sugary texture	8	1,863
Limestone: dolomitic, brown, cryptocrystalline	34	1,897
Dolomite: buff, fine sugary texture; much anhydrite	8	1,905
Limestone: dolomitic, buff to brown, finely crystalline; argillaceous at 1,925 feet	54	1,959
Shale: grey, calcareous	6	1,965
Limestone: dolomitic, argillaceous, finely crystalline	23	1,988
Anhydrite; some grey to buff limestone	16	2,004
Salt	104	2,108
Anhydrite and salt; some buff dolomite	6	2,114
Unit A-1		
Dolomite: buff-brown, crystalline; anhydrite	2	2,116
Limestone: dolomitic, cryptocrystalline	29	2,145
Limestone: greyish brown, sub-lithographic, argillaceous; anhydrite at base	90	2,235
Anhydrite	15	2,250
GUELPH AND LOCKPORT		
Dolomite: buff, crystalline	19	2,269
Dolomite: buff to grey, crystalline	97	2,366
CLINTON GROUP		
Rochester		
Shale: dolomitic, dark grey; grading to grey, shaly dolomite	42	2,408
Irondequoit-Reynales		
Dolomite: light buff, finely crystalline	10	2,418
CATARACT GROUP		
Cabot Head		
Shale: red and green, dolomitic	8	2,424
Shale: greenish grey, fissile	7	2,431
Shale: grey and green with interbeds of grey shaly dolomite	43	2,474
Manitoulin		
Dolomite and shaly dolomite: grey to buff, crystalline	68	2,542
Shale: medium grey, dolomitic	16	2,558

——	Thickness	Depth
	Feet	Feet
ORDOVICIAN		
QUEENSTON		
Shale: red and green	14	2,572
Shale: brick-red; some interbedded greyish green shaly limestone	113	2,685
Limestone: grey and greyish green; minor red and green shale	14	2,699
Shale: red and green, calcareous; some red and grey shaly limestone	101	2,800
Shale: calcareous, brick-red; some olive-green shale	21	2,821
MEAFORD AND DUNDAS		
Shale: dark grey and greyish green; some grey to buff, shaly and silty limestone throughout	164	2,985
Shale: dark grey, firm	31	3,016
Shale: dark grey, silty in part; a few fragments of grey, shaly and silty limestone	16	3,032
BILLINGS		
Shale: dark grey, slightly bituminous; some grey siltstone	6	3,038
Shale: dark grey, firm, bituminous in part	37	3,075
Shale: dark grey; a few fragments of grey, shaly to silty limestone	45	3,120
Shale: dark grey, firm	60	3,180
TRENTON AND BLACK RIVER GROUPS		
Dolomite: calcareous, brown, crystalline; grading to finely crystalline limestone	7	3,187
Limestone: brown and buff-brown, finely crystalline; argillaceous in part; fossiliferous	166	3,353
Limestone: buff to grey-brown, fine to crystalline, very fossiliferous; fragmental in part	40	3,393
Limestone: buff to grey-brown, argillaceous, fine to crystalline, fossiliferous	27	3,420
Limestone: buff, fragmental, and grey, finely crystalline, shaly	14	3,434
Limestone: buff to brown, fine to crystalline, argillaceous in part; some fragmental limestone at 3,461 feet	60	3,494
Limestone: light buff to brown, crystalline, argillaceous in part, fossiliferous; fragmental at base	68	3,562
Limestone: greyish brown, finely crystalline, argillaceous	13	3,575
Limestone: as above, interbedded with light buff fragmental limestone; very argillaceous at base	114	3,689
Limestone: dolomitic, fragmental, buff; some chert	13	3,702
Limestone: buff to brown, sub-lithographic	55	3,757
Dolomite: calcareous, buff, fine to crystalline	14	3,771
Limestone: brown and greyish brown, very dense, sub-lithographic; slightly argillaceous in places	343	4,114
Limestone: grey-buff, finely crystalline; some dark grey shale	26	4,140
Limestone: brownish grey, finely crystalline, fossiliferous	28	4,168
BASAL BEDS		
Sandstone: olive-green, shaly, with large rounded and frosted quartz grains; some green, sandy shale	23	4,191
Arkose: green and red	17	4,208
PRECAMBRIAN		
Granitic rocks	12	4,220

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

E. Judas No. 2, lot 18, con. V, Moore tp.

Driller: R. McMaster and Sons.
Completed September 3, 1948.
Producing gas well.
Rock pressure: 835 lbs.

Formation	Depth, ft.
Surface	141
Black shale	310
Grey lime and soap	405
Grey and brown lime	785
Brown lime	1,180
Grey and brown lime	1,250
Blue lime and shale	1,390
Brown and grey lime	1,615
Grey shale and lime	1,640
Salt and lime	1,897
Brown lime	1,905
Brown and blue lime	2,045
Lime and gypsum	2,050
Salt	2,130
Gypsum	2,137
Lime	2,184

Gas at 138, 2,140, 2,152, and 2,162 feet.
Oil at 2,170 to 2,174 feet.
Fresh water at 138 feet; salt water at 695 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

F. and A. March No. 1, lot 19, con. V, Moore tp.

Driller: R. McPherson.
Completed November 27, 1948.
Producing gas well.
Rock pressure: 830 lbs.

Formation	Depth, ft.
Surface	130
Black shale	262
Brown lime and grey shale	286
Soap and grey lime	508
Brown lime	735
Brown lime and gypsum	779
Brown lime	1,215
Blue and brown lime	1,272
Blue shale	1,386
Blue and brown lime	1,528
Salt	1,535
Brown lime	1,548
Salt	1,555
Grey shale and brown lime	1,629
Salt	1,650
Brown lime	1,674
Salt	1,850
Brown lime and salt	1,870
Salt	1,880
Brown lime	1,997
Blue shale	2,025
Brown lime	2,045
Salt	2,075
Salt and gypsum	2,082
Brown lime	2,103

Gas at 130, 2,085 to 2,088, and 2,090 to 2,103 feet.
Fresh water at 130 feet; salt water at 545 and 701 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

J. McFerran, lot 23, con. IV, Moore tp.

Driller: R. McPherson.
Completed October 4, 1948.
Dry hole.

Formation	Depth, ft.
Surface	138
Shale and soap	230
Black shale	450
Brown and grey lime	550
Soap and brown lime	680
Brown lime	890
Brown and grey lime and gypsum	955
Blue and brown lime and shale	1,651
Salt	1,670
Brown lime and salt	1,685
Grey shale	1,777
Salt	1,784
Brown lime and salt	1,826
Salt	2,015
Salt and brown lime	2,033
Salt	2,041
Brown lime	2,116
Grey lime	2,199
Salt	2,275
Brown lime	2,354
Brown lime and gypsum	2,408
Brown lime	2,450
Grey lime	2,465

Fresh water at 215 feet; salt water at 835, 915, and 1,010 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

G. Reynolds No. 1, lot 12, con. V, Moore tp.

Driller: R. McMaster and Sons.
Completed July 16, 1948.
Dry hole.

Formation	Depth, ft.
Surface	125
Black shale and grey lime	250
Brown lime	290
Shale and brown lime	315
Soap	490
Brown lime	603
Brown lime and gypsum	685
Brown lime	1,087
Brown, blue, and grey lime	1,165
Brown lime and gypsum	1,187
Blue and brown lime and gypsum	1,340
Brown and blue lime	1,482
Brown lime and salt	1,510
Blue lime	1,528
Brown lime	1,565
Salt and lime	1,605
Salt	1,621
Salt and lime	1,651
Salt	1,857
Brown lime	1,930
Blue lime	1,950
Blue lime and shale	2,000
Salt	2,103
Brown lime and gypsum	2,110
Brown lime	2,170

Show of gas at 2,118 feet.
Fresh water at 125 feet; salt water at 603 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

S. Smith No. 1, lot 15, con. IX, Moore tp.

Driller: R. McPherson.
Completed June 24, 1948.
Dry hole.

Formation	Depth, ft.
Surface	140
Black shale	190
Brown lime	200
Grey lime	260
Soap	440
Grey lime	450
Brown lime	600
Brown lime and gypsum	745
Grey and brown lime	1,129
Grey lime and gypsum	1,136
Blue shale	1,167
Brown and blue lime and salt	1,377
Salt	1,387
Blue and brown lime	1,420
Salt	1,450
Brown lime	1,455
Salt	1,475
Blue and brown lime	1,510
Salt	1,540
Brown lime	1,550
Salt	1,570
Brown lime	1,666
Brown lime and salt	1,690
Grey shale and lime	1,745
Brown lime	1,789
Salt	1,833
Brown lime and salt	1,877
Salt	2,060
Blue lime and salt	2,335
Grey lime and shale	2,555
Rochester	2,560

Show of gas at 139 and 470 to 475 feet.
Show of oil at 510 feet.
Fresh water at 139 feet; salt water at 600 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

T. Trapp No. 1, lot 18, con. IV, Moore tp.

Driller: R. McMaster and Sons.
Completed July 12, 1948.
Dry hole.

Formation	Depth, ft.
Surface	159
Grey lime	192
Grey and black shale	537
Shale, lime, and soap	655
Soap	760
Grey and brown lime	775
Soap	825
Grey lime	990
Brown and grey lime	1,055
Brown lime and gypsum	1,080
Brown, grey, and blue lime	1,390
Grey lime	1,500
Brown, grey, and blue lime	1,625
Lime and shale	1,655
Shale and gypsum	1,664
Black lime	1,675
Grey, blue, and brown lime	1,800
Grey lime	2,000
Salt	2,020
Brown and blue lime	2,155
Salt	2,270
Grey and brown lime	2,442

Fresh water at 145 feet; salt water at 945 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

J. Wellington No. 1, lot 19, con. XI, Moore tp.

Driller: R. McPherson.
Completed April 2, 1948.
Dry hole.

Formation	Depth, ft.
Surface	147
Black shale	200
Grey lime and soap	484
Brown lime	775
Brown lime and gypsum	800
Brown lime	1,025
Grey and brown lime	1,075
Brown lime and blue shale	1,290
Blue lime	1,400
Brown lime and salt	1,644
Brown lime	1,831
Brown lime and shale	1,851
Salt	2,125
Brown lime and salt	2,133
Salt	2,153
Grey lime	2,300
Brown lime	2,308
Salt	2,409
Salt and brown lime	2,417
Brown lime	2,486
Grey lime	2,503
Brown lime and gypsum	2,566
Grey lime	2,641
Grey shale	2,660

Show of gas at 147 feet.
Show of oil at 2,496 feet.
Fresh water at 147 feet; salt water at 615 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

E. White No. 1, lot 14, con. IX, Moore tp.

Driller: Demaray and Nichols.
Completed December 13, 1948.
Dry hole.

Formation	Depth, ft.
Surface	139
Black shale	191
Lime and soap	262
Soap	403
Lime and soap	461
Lime and shale	467
Brown lime	631
Grey lime	651

Salt water at 490 and 595 feet.

UNION GAS CO. OF CANADA, LTD.

E. McLean No. 1, lot 5, con. IV, Moore tp.

Driller: Kiser Bros.
Completed August 5, 1948.
Dry hole.

Formation	Depth, ft.
Surface	115
Brown shale	273
Top rock	410
Soap	550
Middle lime	568
Soap	611
Brown and grey lime	645
Brown lime	858
Brown lime and gypsum	946
Brown lime	1,070
Brown and grey lime	1,362
Brown and blue lime and gypsum	1,392
Brown and blue lime	1,569
Brown and grey lime	1,688
Brown and blue lime	1,769
Brown and grey lime	1,940
Grey lime and salt	1,946
Salt	2,083
Brown and grey lime	2,200

Show of gas at 1,804 to 1,828 and 2,084 to 2,096 feet.
Show of oil at 2,084 to 2,090 feet.
Sulphur water at 732 feet.

Payne, Corunna, Colinville, Waubuno, and Seckerton Gas Pools. These pools are located in the northwest part of Moore township. They are directly north and northwest of the Kimball gas pool except for the Waubuno pool, which is approximately 2 miles southeast of the Kimball field.

The Payne pool was discovered in 1949, this being the first of several similar gas pools to be discovered in Moore township. The Corunna pool was discovered in 1950, followed by Colinville and Waubuno in 1951 and Seckerton in 1952.

In the Payne area, there are two producing wells on lots 21 and 22, con. VII, with an initial production of 40,000 Mcf. and 9,500 Mcf. a day respectively. The Corunna pool consists of one well on lot 20, con. X, with an initial production of 7,500 Mcf. a day. There are two gas wells in the Colinville pool on lot 17, con. VIII, with an initial production of 6,200 Mcf. and 7,200 Mcf. a day respectively. The Waubuno pool consists of two gas wells on lots 9 and 10, con. II, with an initial production of 850 Mcf. and 7,400 Mcf. a day respectively. The Seckerton pool lies in lot 21, con. VIII, and lots 20 and 21, con. IX. Three gas wells came into production from it during 1952 with 6,500 Mcf., 1,045 Mcf., and 4,750 Mcf. a day respectively. Production is obtained mainly from the Guelph formation, but where unit A-1 is present, even if thin, production may also be obtained from the lower Salina.

Structure contours on top of the Guelph formation (Map 1042A, inset) show a high dome, characteristic of reef structure, over each of the above pools.

The following log illustrates the lithology of the "Payne" discovery well.

Log of Imperial Oil Limited Well No. 222 (Payne No. 1) Comp Aug 5th 49
R W Booth #1 1000'S 100'E
Location: lot 21, con. VII, Moore tp.
Elevation: 638 feet.

——	Thickness	Depth
	Feet	Feet
Drift	122	122
DEVONIAN		
KETTLE POINT		
Shale: black, bituminous; spore cases; pyrite	124	246
HAMILTON		
IPPERWASH		
Shale: light greenish grey, fissile	10	256
Limestone: grey to buff, shaly in part; some light grey shale	99	355
PETROLIA		
Shale: grey, calcareous, pyritic	90	445
WIDDER		
Limestone: grey, argillaceous to silty, finely crystalline	15	460
OLENTANGY		
Shale: grey, calcareous, fissile, fossiliferous	50	510

—	Thickness	Depth
	Feet	Feet
DUNDEE		
Limestone: light grey and buff, finely crystalline; occasional spores; arenaceous at 578 feet	75	585
Limestone: buff, very sandy throughout; spores	28	613
DETROIT RIVER AND BOIS BLANC		
Dolomite: grey-buff and brown, sugary texture; heavily oil stained in part	78	691
Dolomite: buff, finely crystalline; occasional gypsum	147	838
Dolomite: light grey, arenaceous	7	845
Dolomite: buff to brown, finely crystalline	66	911
Dolomite: grey-buff, finely crystalline, arenaceous	14	925
Dolomite: calcareous, clastic, medium grained; some white chert	32	957
Dolomite: grey and buff, finely crystalline, sandy; white sandy chert	34	991
Dolomite: calcareous, grey and buff, very sandy throughout; much white chert	58	1,049
Limestone and dolomitic limestone: grey, finely crystalline, arenaceous; white chert	35	1,084
Sandstone: light grey, fine grained, glauconitic; some chert and cherty limestone	12	1,096
SILURIAN		
BASS ISLAND		
Dolomite: light grey and buff, finely crystalline; oolitic at 1,156 feet	87	1,183
SALINA		
Dolomite: buff and grey, finely crystalline, argillaceous in part; anhydrite	71	1,254
Shale: dark grey, dolomitic; grading to greyish brown, shaly dolomite; anhydrite	6	1,260
Dolomite: grey and brown, shaly in part; grading to dark grey dolomitic shale; anhydrite	28	1,288
Shale: grey, dolomitic; some red and green mottled shale and shaly dolomite; pink anhydrite	38	1,326
Dolomite: grey and buff, finely crystalline, shaly in part; some dark grey shale at 1,340 feet; anhydrite	96	1,422
Salt	29	1,451
Salt; some buff shaly dolomite	14	1,465
Salt	16	1,481
Dolomite: buff and grey, finely crystalline, argillaceous; much anhydrite	82	1,563
Salt; some buff dolomite and anhydrite	28	1,591
Shale: grey, dolomitic; shaly dolomite; much anhydrite	56	1,647
UPPER SALT		
Salt; some dolomite with anhydrite	199	1,846
UNIT A-2		
Dolomite: buff, finely crystalline, sugary texture	37	1,883
Anhydrite; minor dolomite	9	1,892
Dolomite: buff to brown, cryptocrystalline; anhydrite	8	1,900
Dolomite: calcareous, grey and buff, finely crystalline, argillaceous	29	1,929
Limestone: dolomitic, grey to buff, finely crystalline; some dark grey dolomitic shale	10	1,939
Anhydrite; minor light buff, finely crystalline, dolomitic limestone	25	1,964
GUELPH		
Limestone: dolomitic, grey-buff, crystalline; very good intergranular to vuggy porosity	6	1,970
Samples missing	40	2,010

UNION GAS CO. OF CANADA, LTD.

O. and W. Parry No. 1, lot 6, con. II, Moore tp.

Driller: Kiser Bros.
Completed September 26, 1949.
Dry hole.

Formation	Depth, ft.
Surface	95
Black shale	195
Top rock	265
Soap	378
Middle lime	390
Soap and shell	440
Brown lime	874
Sharp sand	1,030
Brown and grey lime	1,110
Lime and gypsum	1,186
Brown, blue, and grey lime	1,404
Grey lime and salt	1,422
Brown lime	1,427
Grey lime and salt	1,436
Grey, brown, and blue lime	1,520
Salt and shell	1,785
Brown and grey lime	1,922
Salt	2,015
Brown and grey lime	2,190

Fresh water at 100 feet; sulphur water at 560 and 600 feet; salt water at 2,185 to 2,190 feet.

UNION GAS CO. OF CANADA, LTD.

J. and S. Potter No. 1, lot 7, con. III, Moore tp.

Driller: Kiser Bros.
Completed February 12, 1949.
Dry hole.

Formation	Depth, ft.
Surface	112
Brown shale	192
Top rock	268
Soap	390
Middle lime	404
Soap	446
Grey and brown lime	881
Sharp sand	1,059
Brown and grey lime	1,137
Grey lime and gypsum	1,271
Brown and blue lime	1,450
Salt and brown lime	1,468
Grey lime and salt	1,487
Brown and grey lime	1,546
Salt	1,793
Brown, grey, and blue lime	1,931
Salt	2,026
Brown and grey lime	2,218

Sulphur water at 635 feet; salt water at 2,175 to 2,181 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

J. and A. Hack No. 3, lot 16, con. VI, Euphemia tp.

Driller: Stubble and Stubble.
Completed September [illegible] 1949.
Dry hole.

Formation	Depth, ft.
Surface	163
Top rock	183
Soap and lime	252
Brown and grey lime	411
Brown lime	580
Brown and grey lime	793
Brown lime	882
Brown and blue lime	895
Blue lime and gypsum	903
Brown lime	931
Brown and blue lime and gypsum	1,046
Brown and blue lime	1,255
Salt and brown lime	1,419
Brown lime	1,476
Brown and grey lime	1,534
Brown and grey lime and gypsum	1,548
Brown lime	1,680

Fresh water at 135 feet; salt water at 375 and 506 to 512 feet.

WILSON-SULLIVAN DEVELOPMENT CO., LTD.

E. Stuart No. 2, lot 16, con. VIII, Euphemia tp.

Driller: Wilson-Sullivan Development Co., Ltd.
Completed November 15, 1949.
Producing oil well.

Formation	Depth, ft.
Surface	87
Soap	102
Top rock	134
Top soap	262
Middle lime	272
Lower soap	283
Grey lime	308
Brown lime	316

Oil at 308 feet.
Fresh water at 84 feet; sulphur water at 265 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

E. Boothe No. 1, lot 18, con. VI, Moore tp.

Driller: R. McPherson.
Completed April 9, 1949.
Producing gas well.
Rock pressure: 855 lbs.

Formation	Depth, ft.
Surface	133
Black shale	220
Brown lime	227
Grey lime	316
Soap	399
Grey lime and soap	480
Brown lime	1,167
Blue lime	1,197
Brown lime	1,240
Blue shale	1,328
Blue and brown lime	1,384
Brown lime and salt	1,414
Salt	1,443
Brown and blue lime	1,518
Brown lime and salt	1,532
Blue, brown, and grey shale	1,606
Grey shale and salt	1,661
Salt	1,902
Brown and grey lime	2,067
Gypsum	2,074
Salt	2,157
Salt and gypsum	2,167
Brown and grey lime	2,209

Gas at 132, 2,168 to 2,175, 2,180 to 2,200, and 2,202 to 2,204 feet.
Show of oil at 506 to 513 feet.
Fresh water at 132 feet; salt water at 506 feet.

Payne #1

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

R. Boothe, No. 1, lot 21, con. VII, Moore tp.

Driller: R. McPherson. 1000'S
Completed August 5, 1949. 100'E
Producing gas well.
Rock pressure: 830 lbs.

Formation	Depth, ft.
Surface	122
Black shale	256
Grey lime and soap	345
Soap	445
Grey lime	460
Soap	510
Brown lime	1,049
Flint	1,121
Brown lime	1,204
Blue shale	1,226
Brown and blue lime	1,421
Salt	1,481
Brown lime	1,563
Salt	1,572
Shale and brown lime	1,657
Salt	1,826
Brown lime and salt	1,836
Salt	1,846
Brown lime	1,919
Grey lime	1,947
Gypsum	1,964
Brown lime	2,010

Gas at 1,968 to 2,010 feet.
Fresh water at 135 feet; salt water at 520 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

F. Brown No. 1, lot 20, con. V, Moore tp.

Driller: R. L. McPherson.
Completed January 17, 1949.
Dry hole.

Formation	Depth, ft.
Surface	130
Black shale	250
Grey lime and soap	505
Brown lime	1,220
Blue lime	1,231
Brown lime and blue shale	1,384
Blue and brown lime	1,440
Blue shale	1,447
Blue and brown lime	1,472
Brown lime and salt	1,520
Brown lime	1,564
Grey shale	1,629
Grey shale and salt	1,637
Salt	1,644
Brown lime and salt	1,703
Salt	1,899
Brown lime	2,003
Blue lime	2,052
Salt	2,137
Gypsum	2,142
Brown lime	2,195

Show of gas at 130 feet.
Show of oil at 650 to 656 feet.
Fresh water at 130 feet; salt water at 650 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

L. Kells No. 1, lot 17, con. VI, Moore tp.

Driller: Stubble and Stubble.
Completed July 28, 1949.
Dry hole.

Formation	Depth, ft.
Surface	134
Brown shale	220
Top rock	320
Soap	425
Middle lime	437
Soap	479
Brown lime	643
Brown lime and gypsum	733
Brown lime	891
Brown and grey lime	1,165
Brown and blue lime	1,350
Brown lime	1,395
Brown lime and salt	1,411
Brown and blue lime	1,504
Brown lime and salt	1,517
Brown lime	1,531
Blue shale	1,635
Brown lime and salt	1,915
Brown and grey lime	2,054
Salt	2,170
Gypsum	2,175
Brown and grey lime	2,286
Brown lime and gypsum	2,308
Brown and grey lime	2,398
Shale	2,403

Fresh water at 131 feet; sulphur water at 590 and 610 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

S. James No. 1, lot 20, con. VI, Moore tp.

Driller: Stubble and Stubble.
Completed June 9, 1949.
Producing gas well.
Rock pressure: 855 lbs.

Formation	Depth, ft.
Surface	134
Black shale	320
Soap	427
Lime	439
Soap	485
Brown lime	687
Brown lime and gypsum	765
Brown lime	900
Sharp brown and grey lime	1,101
Brown lime	1,178
Brown and blue lime and gypsum	1,313
Blue lime	1,343
Brown and blue lime	1,400
Salt and lime	1,460
Brown and blue lime	1,543
Salt and lime	1,583
Blue lime	1,642
Salt and lime	1,923
Brown and grey lime	2,070
Brown lime and salt	2,077
Salt	2,155
Gypsum	2,165
Brown lime	2,228

as at 2,165 to 2,168 and 2,182 to 2,207 feet.
ow of oil at 2,182 to 2,207 feet.
lt water at 618 to 625 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

W. Long No. 1, lot 19, con. VII, Moore tp.

Driller: R. McPherson.
Completed June 24, 1949.
Dry hole.

Formation	Depth, ft.
Surface	138
Black shale	238
Brown and grey lime and soap	436
Middle lime	458
Soap	493
Brown lime	1,037
Brown and grey lime	1,257
Brown lime and blue shale	1,410
Salt	1,430
Brown lime and salt	1,446
Blue shale and salt	1,467
Blue shale	1,520
Lime and salt	1,583
Brown, blue, and grey shale	1,661
Lime and salt	1,731
Salt	1,945
Brown lime	2,058
Grey lime	2,104
Salt	2,199
Salt, gypsum, and lime	2,208
Brown and grey lime	2,457

Show of gas at 2,229 to 2,236 feet.
Fresh water at 138 and 148 feet; salt water at 623 feet.

Lambton County—Continued

D. C. Lather

J. Kuckall No. 1, lot 16, con. V, Euphemia tp.

Driller: D. Lather.
Completed June 10, 1950.
Producing oil well.

Formation	Depth, ft.
Surface	125
Gravel and hardpan	143
Soap	176
Middle lime	188
Soap	222
Grey and brown lime	350
Sharp lime	360

Oil at 229 and 345 feet.
Show of gas at 229 feet.
Fresh water at 128 feet; sulphur water at 229 and 345 feet.

E. McGaffey

C. Brown No. 1, lot 17, con. V, Euphemia tp.

Driller: R. McGaffey.
Completed August 28, 1950.
Producing oil well.

Formation	Depth, ft.
Surface	59
Hard pan	91
Upper soap	105
Lime shell	115
Soap	130
Lime shell	155
Soap	185
Middle lime	203
Lower soap	227
Black streak	237
Lower lime	360

Oil at 263 and 345 feet.
Salt water at 115, 193, 263 and 345 feet.

Wilson-Sullivan Development Co.

J. Puesek No. 1, lot 16, con. VIII, Euphemia tp.

Driller: Wilson-Sullivan Development Co.,
Completed May 18, 1950.
Dry hole.

Formation	Depth, ft.
Surface	87
Top rock	132
Top soap	247
Middle lime	266
Lower soap	285
Dark streak	288
Grey lime	338

Show of oil at 302 feet.
Fresh water at 87 feet; salt water at 302 feet.

Imperial Oil, Ltd.

R. and E. Brown No. 1, lot 29, con. V, Moore tp.

Driller: Stubble and Stubble.
Completed November 30, 1950.
Dry hole.
Elevation: 627 ft.

Formation	Depth, ft.
Surface	155
Blue shale	164
Lime shell	174
Blue shale	363
Brown shale	520
Grey lime	530
Top rock	603
Soap	705
Middle lime	715
Soap	760
Lime	772
Brown and grey lime	923
Brown lime and gypsum	1,018
Brown lime	1,155
Brown and grey lime	1,424
Blue and brown lime	1,720
Salt and lime	1,734
Brown lime	1,745
Salt	1,756
Blue shale	1,850
Blue lime	1,900
Salt	2,100
Salt and lime	2,154
Brown and grey lime	2,310
Salt	2,402
Brown lime	2,527
Brown lime and gypsum	2,549
Brown and grey lime	2,642
Grey shale	2,650

Show of oil at 2,549 feet.
Fresh water at 150 feet; black water at 900 feet.

Imperial Oil, Ltd.

M. Burgess No. 1, lot 27, River range, Moore tp.

Driller: Stubble and Stubble.
Completed September 19, 1950.
Dry hole.
Elevation: 621 ft.

Formation	Depth, ft.
Surface	150
Soap	300
Brown shale	510
Grey lime	575
Soap	705
Soap and grey lime	767
Brown and grey lime	1,013
Brown lime and gypsum	1,066
Brown lime	1,166
Sharp grey lime	1,364
Brown and blue lime	1,735
Salt	1,768
Blue and brown lime and salt	1,915
Salt	2,123
Brown lime	2,134
Salt	2,155
Brown and grey lime	2,325
Salt	2,410
Gypsum	2,416
Brown and grey lime	2,550
Brown lime and gypsum	2,572
Grey lime	2,655
Shale	2,665

Show of gas at 2,564 feet.
Fresh water at 130 feet; sulphur water at 865 and 925 feet.

Lambton County—Continued

IMPERIAL OIL, LTD.

J. Egan No. 1, lot 24, con. IX, Moore tp.

Driller: Carter and Kidd.
Completed February 8, 1950.
Dry hole.

Formation	Depth, ft.
Surface	137
Black shale	305
Black shale and soap	320
Soap and grey lime	390
Soap	500
Lime and soap	560
Brown lime	623
Brown lime and gypsum	841
Brown and grey lime	1,120
Grey lime and gypsum	1,145
Grey and brown lime	1,251
Blue shale, gypsum, and brown lime	1,448
Salt and lime	1,482
Hard brown lime	1,515
Shale and salt	1,550
Brown lime	1,675
Salt	1,680
Brown lime	1,700
Salt	1,707
Grey shale and lime	1,757
Blue shale	1,763
Brown lime and shale	1,790
Lime and salt	2,080
Brown lime and blue shale	2,214
Brown lime and gypsum	2,232
Salt	2,340
Brown lime	2,465
Guelph	2,573
Blue shale	2,620

Show of gas at 138 and 1,295 to 1,299 feet.
Show of oil at 960 feet.
Fresh water at 138 feet; salt and sulphur water at 685 to 690 feet; sulphur water at 815 feet; salt water at 1,125 and 1,250 feet.

IMPERIAL OIL, LTD.

G. James No. 1, lot 19, con. VI, Moore tp.

Driller: R. McPherson.
Completed February 9, 1950.
Producing gas well.
Rock pressure: 790 lbs.
Elevation: 631 ft.

Formation	Depth, ft.
Surface	130
Shale	338
Soap	449
Middle lime	461
Soap	502
Grey and brown lime	758
Brown lime and gypsum	775
Brown lime	1,044
Sharp sand	1,112
Brown lime	1,213
Blue shale and brown lime	1,390
Brown and blue lime	1,566
Grey shale	1,595
Brown lime	1,619
Salt	1,902
Brown and grey lime	2,047
Brown lime and gypsum	2,062
Salt	2,146
Brown lime and gypsum	2,155
Brown lime	2,261
Blue shale	2,266

Gas at 2,157 to 2,161, 2,187, 2,202 to 2,209, 2,283, 2,375 to 2,378, and 2,437 to 2,441 feet.
Fresh water at 130 feet; salt water at 530 and 650 feet.

IMPERIAL OIL, LTD.

C. Grey No. 1, lot 21, con. VI, Moore tp.

Driller: R. McPherson.
Completed October 17, 1950.
Dry hole.
Elevation: 634 ft.

Formation	Depth, ft.
Surface	137
Black shale	233
Grey lime	243
Soap	253
Grey lime	328
Soap	432
Middle lime	442
Soap	482
Brown lime	1,020
Flint	1,097
Brown lime and blue shale	1,408
Blue and brown shale and salt	1,482
Brown lime	1,551
Brown lime and salt	1,586
Grey shale	1,652
Brown lime and salt	1,716
Salt	1,943
Brown and grey lime	2,105
Salt	2,193
Gypsum	2,200
Brown and grey lime	2,240
Grey shale	2,250

Show of oil at 495 feet.
Fresh water at 137 feet; salt water at 603 to 611 feet.

IMPERIAL OIL, LTD.

S. Lucas No. 1, lot 20, con. VII, Moore tp.

Driller: R. McPherson.
Completed June 26, 1950.
Dry hole.

Formation	Depth, ft.
Surface	134
Black shale	234
Grey lime and soap	335
Soap	450
Middle lime	460
Soap	508
Brown lime	688
Gypsum	702
Brown and grey lime	1,200
Blue lime and gypsum	1,217
Blue, brown, and grey lime	1,271
Blue shale	1,356
Brown and blue lime	1,384
Salt	1,401
Brown lime	1,426
Brown lime and salt	1,499
Grey shale and brown and grey lime	1,688
Salt	1,713
Lime and salt	1,760
Salt	1,933
Brown lime	1,955
Salt	1,975
Brown lime and grey lime	2,138
Salt	2,197
Brown and grey lime	2,469
Shale	2,476

Fresh water at 134 feet; salt water at 625 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

L. McLaughlin No. 1, lot 27, con. IV, Moore tp.

Driller: Stubble and Stubble.
Completed October 31, 1949.
Dry hole.

Formation	Depth, ft.
Surface	142
Grey shale	275
Brown shale	500
Top rock	584
Soap and lime	746
Brown lime	868
Brown lime and gypsum	1,000
Brown and grey lime	1,412
Blue lime and gypsum	1,427
Brown and blue lime	1,704
Salt and lime	1,752
Brown and blue lime	1,822
Salt	1,844
Salt and lime	2,125
Brown and grey lime	2,260
Grey and brown lime	2,281
Salt	2,366
Brown and grey lime	2,496
Brown and grey lime and gypsum	2,508
Brown and grey lime	2,615
Blue shale	2,638

Fresh water at 117 feet; salt water at 850 and 868 to 874 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATIO

I. Prouse No. 1, lot 25, con. IX, Moore tp.

Driller: R. McPherson.
Completed October 24, 1949.
Dry hole.

Formation	Depth, ft.
Surface	140
Black shale	312
Grey lime	395
Soap	499
Grey lime	514
Soap	565
Brown lime	790
Brown lime and gypsum	871
Brown lime	1,220
Brown and blue lime	1,262
Blue shale	1,296
Blue and brown lime	1,323
Blue and brown shale	1,458
Brown lime and salt	1,468
Salt	1,478
Brown lime	1,510
Salt	1,565
Blue and brown lime	1,660
Brown lime and salt	1,700
Grey and brown shale	1,778
Salt	2,060
Brown lime and gypsum	2,237
Salt	2,349
Lime and gypsum	2,356
Brown lime	2,425
Black lime	2,485
Guelph	2,537

Show of oil at 2,348 to 2,482 feet.
Fresh water at 140 feet; salt water at 691 and 756 to 762 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

T. Nesbitt No. 1, lot 22, con. VIII, Moore tp.

Driller: R. McMaster and Sons.
Completed November 25, 1949.
Dry hole.

Formation	Depth, ft.
Surface	129
Black shale	250
Grey shale	260
Grey lime	305
Lime and soap	570
Brown and grey lime	710
Water sand	720
Brown lime and gypsum	815
Brown and grey lime	1,230
Blue shale	1,255
Brown, grey, and blue lime	1,291
Blue shale and gypsum	1,400
Brown and grey lime	1,426
Salt	1,440
Brown lime	1,470
Salt and lime	1,513
Salt	1,540
Blue shale and gypsum	1,554
Brown and blue lime	1,600
Lime and salt	1,665
Blue shale and lime	1,730
Lime and salt	1,821
Salt	1,985
Salt and gypsum	2,015
Brown, grey, and blue lime	2,170
Salt	2,254
Salt, gypsum, and lime	2,258
Grey lime	2,350
Grey lime and gypsum	2,360
Grey lime	2,400
Grey, blue, and brown lime	2,514

Fresh water at 125 feet; salt water at 560 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATIO

G. Robbins No. 1, lot 19, con. VI, Moore tp.

Driller: Stubble and Stubble.
Completed February 26, 1949.
Producing gas well.
Rock pressure: 845 lbs.

Formation	Depth, ft.
Surface	139
Brown shale	332
Soap	437
Lime	448
Soap	492
Brown and grey lime	1,190
Blue lime and gypsum	1,209
Brown and blue lime	1,400
Brown lime and salt	1,436
Brown and blue lime	1,509
Brown lime	1,529
Brown lime and salt	1,559
Brown and blue lime	1,632
Brown lime and salt	1,887
Brown lime	1,939
Brown lime and gypsum	1,999
Brown and grey lime	2,037
Brown lime	2,049

Gas at 2,036 to 2,049 feet.
Fresh water at 136 feet; salt water at 539 feet.

MPERIAL OIL, LTD., EASTERN CANADA EXPLORATION
G. Robbins No. 2, lot 19, con. VI, Moore tp.
Driller: Stubble and Stubble.
Completed April 7, 1949.
Producing gas well.
Rock pressure: 855 lbs.

Formation	Depth, ft.
Surface	139
Brown shale	325
Soap	434
Lime	443
Soap	489
Brown lime	720
Brown lime and gypsum	730
Brown and grey lime	1,185
Brown and blue lime	1,194
Blue lime and gypsum	1,203
Blue and brown lime	1,460
Brown lime and salt	1,460
Brown and blue lime	1,654
Brown lime and salt	1,920
Brown lime	1,954
Brown and grey lime	2,045
Salt	2,135
Brown lime and gypsum	2,150
Brown lime	2,189

as at 2,170 to 2,189 feet.
alt water at 623 to 630 and 672 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION
W. Wark No. 1, lot 20, con. VIII, Moore tp.
Driller: C. Carter.
Completed December 1, 1949.
Dry hole.

Formation	Depth, ft.
Surface	140
Black shale	235
Grey lime and soap	520
Brown lime	960
Brown and grey lime	1,195
Brown lime, blue shale, and gypsum	1,405
Salt and lime	1,422
Brown lime and shale	1,445
Salt and grey lime	1,460
Salt	1,490
Brown lime	1,500
Salt	1,520
Brown lime, blue shale, and gypsum	1,603
Brown lime and salt	1,536
Brown lime, blue shale, and gypsum	1,710
Salt and lime	1,761
Lime and shale	1,780
Salt	1,870
Lime, shale, and salt	1,885
Salt	1,927
Salt and lime	1,975
Brown lime	2,077
Blue shale, lime, and gypsum	2,165
Salt	2,250
Salt and gypsum	2,260
Brown lime	2,308
Brown lime and shale	2,390
Gypsum and brown lime	2,405
Brown lime	2,425
Blue shale and limestone	2,500
Dark-grey shale	2,520

Fresh water at 138 feet; salt water at 635, 1,150 to 1,155, and 1,240 feet.

PERIAL OIL, LTD., EASTERN CANADA EXPLORATION
and C. Taggart No. 1, lot 18, con. V, Moore tp.
riller: Stubble and Stubble.
mpleted January 11, 1949.
oducing gas well.
ck pressure: 855 lbs.

Formation	Depth, ft.
Surface	133
Brown shale	320
Soap	427
Lime	437
Soap	482
Brown lime	702
Brown lime and gypsum	842
Brown and grey lime	1,173
Blue and brown lime	1,231
Brown and grey lime	1,288
Blue and brown lime	1,428
Brown lime and salt	1,438
Brown and blue lime	1,530
Brown lime and salt	1,570
Brown and blue lime	1,684
Brown lime and salt	1,900
Brown and grey lime	2,052
Brown lime and salt	2,062
Salt	2,106
Salt and gypsum	2,112
Brown lime and gypsum	2,129
Brown lime	2,155

at 126 and 2,127 to 2,153 feet.
t water at 597 to 610 feet.

UNION GAS CO. OF CANADA, LTD.
A. and C. Bugler No. 1, lot 4, con. V, Moore tp.
Driller: Kiser Bros.
Completed November 17, 1949.
Dry hole.

Formation	Depth, ft.
Surface	95
Black shale	200
Top rock	296
Soap and shell	452
Middle lime	488
Soap and shell	553
Brown and grey lime	848
Brown and grey lime and gypsum	905
Brown lime	1,030
Sharp sand	1,226
Brown lime	1,313
Lime and gypsum	1,367
Brown, blue, and grey lime	1,710
Salt	1,793
Brown and grey lime	1,935
Salt	2,017
Brown and grey lime	2,200

Sulphur water at 665 and 730 feet; salt water at 2,170 feet.

Lambton County—Continued

IMPERIAL OIL, LTD

R. McKellar No. 1, lot 17, con. IX, Moore tp.

Driller: R. McMaster and Sons.
Completed November 6, 1950.
Dry hole.
Elevation: 654 ft.

Formation	Depth, ft.
Surface	135
Shale and lime	312
Soap	430
Middle lime	446
Soap	490
Brown lime	690
Brown lime and gypsum	740
Brown lime	940
Grey lime	1,200
Brown lime and gypsum	1,210
Blue and brown lime	1,280
Blue lime and shale	1,300
Blue lime	1,388
Brown lime and salt	1,443
Brown lime	1,487
Blue lime and salt	1,518
Salt	1,539
Brown and blue lime	1,600
Gypsum and brown lime	1,628
Brown lime	1,665
Blue shale	1,708
Blue and brown lime	1,728
Salt and lime	1,802
Salt	2,012
Salt and lime	2,020
Brown and grey lime	2,176
Salt, gypsum, and lime	2,188
Salt	2,267
Gypsum	2,281
Brown, grey, and blue lime	2,414
Guelph	2,525
Shale	2,540

Show of oil at 2,429 feet.
Show of gas at 134 feet.
Fresh water at 134 feet; salt water at 575 feet.

IMPERIAL OIL, LTD.

M. Neal No. 1, lot 21, con. VIII, Moore tp.

Driller: Stubble and Stubble.
Completed May 2, 1950.
Dry hole.

Formation	Depth, ft.
Surface	140
Soap	150
Brown shale	275
Top rock	375
Soap	478
Middle lime	488
Soap	534
Brown lime	760
Brown lime and gypsum	800
Brown and blue lime	897
Brown and grey lime	1,137
Brown and blue lime	1,237
Blue shale	1,257
Blue and brown lime	1,427
Salt and lime	1,453
Brown lime	1,469
Salt and lime	1,532
Brown and blue lime	1,606
Salt and lime	1,660
Blue and brown lime	1,730
Salt and lime	2,016
Brown and grey lime	2,156
Brown lime and gypsum	2,168
Salt	2,250
Brown lime and gypsum	2,256
Brown and grey lime	2,517
Grey shale	2,523

Show of oil at 2,430 to 2,440 feet.
Fresh water at 151 feet; salt water at 640 feet.

IMPERIAL OIL, LTD.

G. Robbins No. 1, lot 19, con. V, Moore tp.

Driller: R. McPherson.
Completed August 21, 1950.
Producing oil well.
Elevation: 629 ft.

Formation	Depth, ft.
Surface	135
Shale	380
Brown lime	393
Soap	403
Lime	468
Soap	570
Lime	590
Soap	630
Brown lime	1,149
Sharp sand	1,244
Brown lime and blue shale	1,505
Brown lime	1,726
Salt and brown lime	1,787
Salt	1,988
Brown lime	2,153
Salt	2,219
Gypsum	2,226
Brown lime	2,255

Oil at 2,226 to 2,241 feet.
Show of gas at 2,226 to 2,241 feet.
Fresh water at 135 feet; salt water at 628 feet.

IMPERIAL OIL, LTD.

G. Robbins No. 2, lot 19, con. V, Moore tp.

Driller: Stubble and Stubble.
Completed November 1, 1950.
Dry hole.
Elevation: 627 ft.

Formation	Depth, ft.
Surface	139
Black shale	190
Soap	230
Black shale	300
Brown and blue shale	369
Top rock	450
Soap	570
Middle lime	580
Soap	624
Brown lime	843
Brown lime and gypsum	890
Brown and grey lime	1,255
Brown, blue, and grey lime	1,400
Brown lime and gypsum	1,408
Brown and blue lime	1,498
Brown lime	1,661
Blue lime and shale	1,698
Brown and grey lime	1,730
Salt and brown lime	1,969
Brown lime	2,120
Salt	2,177
Gypsum and lime	2,184
Brown lime	2,230

Show of oil at 2,184 to 2,202 feet.
Black water at 745 feet.

Lambton County—Continued

IMPERIAL OIL, LTD.

W. Smith No. 1, lot 24, con. IX, Moore tp.

Driller: Stubble and Stubble.
Completed December 22, 1950.
Dry hole.
Elevation: 643 ft.

Formation	Depth, ft.
Surface	150
Brown shale	320
Top rock	415
Soap	521
Middle lime	531
Soap	588
Brown lime	800
Brown lime and gypsum	864
Brown and grey lime	1,287
Brown and blue lime	1,463
Brown and grey lime	1,492
Salt and brown lime	1,520
Brown lime	1,552
Salt and brown lime	1,618
Brown, blue, and grey lime	1,700
Salt and brown lime	1,740
Blue shale and lime	1,796
Brown lime	1,804
Blue and brown lime	1,824
Salt and lime	1,850
Salt and brown lime	2,105
Brown lime	2,178
Brown and grey lime	2,250
Grey lime and gypsum	2,262
Salt	2,375
Brown lime	2,479
Grey lime	2,614
Grey shale	2,622

Fresh water at 145 feet; black water at 714 feet.

IMPERIAL OIL, LTD.

H. and M. Wellington No. 1, lot 20, con. X, Moore tp.

Driller: Stubble and Stubble.
Completed September 8, 1950.
Producing gas well.
Rock pressure: 865 lbs.
Elevation: 646 ft.

Formation	Depth, ft.
Surface	143
Black shale	235
Top rock	318
Soap	448
Middle lime	456
Soap	510
Brown lime	703
Brown lime and gypsum	806
Brown, grey, and blue lime	1,211
Brown and blue lime and gypsum	1,223
Brown and blue lime	1,271
Blue and grey lime	1,375
Salt and blue and grey lime	1,448
Brown lime and salt	1,632
Brown lime	1,700
Brown and grey lime, salt, and gypsum	1,724
Brown, grey and blue lime	1,806
Salt and brown lime	2,015
Brown, grey, and blue lime	2,181

Gas at 2,149 to 2,181 feet.
Show of oil at 650 and 2,057 feet.
Sulphur water at 638 feet.

IMPERIAL OIL, LTD.

R. Trapp No. 1, lot 22, con. VII, Moore tp.

Driller: R. McPherson.
Completed April 13, 1950.
Producing gas well.
Rock pressure: 848 lbs.

Formation	Depth, ft.
Surface	127
Black shale	245
Shale and lime	255
Soap	268
Grey lime	303
Brown lime	313
Lime and soap	335
Soap	437
Soap and lime	495
Brown lime	1,045
Sharp sand	1,114
Brown and blue lime	1,250
Blue shale	1,364
Brown lime	1,370
Brown lime and shale	1,410
Lime and salt	1,419
Salt	1,440
Lime and salt	1,468
Blue and brown lime	1,549
Salt	1,560
Blue and brown lime	1,605
Shale and lime	1,646
Salt	1,656
Lime and salt	1,700
Salt	1,840
Brown lime	1,925
Grey lime	1,931
Gypsum	1,958
Brown lime and gypsum	1,996

Gas at 1,971 to 1,996 feet.
Fresh water at 127 feet; salt water at 525 feet.

IMPERIAL OIL, LTD.

H. and M. Wellington No. 2, lot 20, con. X, Moore tp.

Driller: R. McMaster and Sons.
Completed December 22, 1950.
Producing oil well.
Elevation: 649 ft.

Formation	Depth, ft.
Surface	147
Black shale	250
Lime	258
Grey shale	272
Lime	325
Soap	464
Middle lime	474
Soap	518
Brown lime	760
Brown lime and gypsum	810
Grey and brown lime	1,237
Blue lime and gypsum	1,265
Brown and blue lime	1,287
Blue lime and gypsum	1,291
Blue and brown lime	1,400
Blue and brown lime and salt	1,442
Brown lime and salt	1,530
Brown and blue lime	1,560
Salt	1,575
Brown lime and salt	1,625
Brown and blue lime	1,705
Brown lime and salt	1,750
Brown and blue lime	1,765
Blue shale	1,785
Brown and blue lime	1,812
Salt	1,845
Salt and lime	2,110
Brown and blue lime	2,281
Salt	2,366
Salt and gypsum	2,374
Grey and brown lime	2,510
Blue lime and gypsum	2,515
Guelph	2,575

Oil at 2,375 to 2,378 feet.
Fresh water at 142 feet; sulphur water at 645 feet.

Lambton County—Continued

IMPERIAL OIL, LTD.

G and L. White No. 1, lot 16, con. IX, Moore tp.

Driller: R. McMaster and Sons.
Completed September 29, 1950.
Dry hole.
Elevation: 652 ft.

Formation	Depth, ft.
Surface	135
Black shale	201
Grey shale and lime	280
Soap	410
Lime and shale	424
Soap	468
Brown lime	744
Gypsum	758
Brown and grey lime	1,200
Brown and blue lime and gypsum	1,300
Blue lime	1,360
Brown and blue lime and gypsum	1,400
Brown lime, gypsum and salt	1,440
Brown and blue lime	1,485
Salt and lime	1,545
Brown and blue lime	1,625
Blue shale and salt	1,640
Blue shale	1,740
Salt	1,756
Blue and brown lime	1,771
Lime and salt	1,793
Salt	1,956
Salt and lime	1,996
Brown and grey lime	2,143
Gypsum, lime, and salt	2,164
Salt	2,242
Gypsum	2,252
Brown lime and gypsum	2,258
Grey and brown lime	2,379
Grey lime and gypsum	2,388
Gypsum	2,410
Guelph	2,517
Grey shale	2,523

Show of gas at 2,418 feet.
Show of oil at 2,418 feet.
Salt water at 498 feet.

IMPERIAL OIL, LTD.

K. White No. 1, lot 23, con. VII, Moore tp.

Driller: R. McMaster and Sons.
Completed September 22, 1950.
Dry hole.
Elevation: 635 ft.

Formation	Depth, ft.
Surface	135
Black and grey shale	180
Lime	348
Soap	458
Middle lime	463
Soap	515
Brown and grey lime	682
Water sand	690
Brown lime and gypsum	784
Brown and grey lime	1,191
Blue and brown lime	1,305
Blue shale and gypsum	1,360
Brown and blue lime	1,398
Brown lime and salt	1,406
Brown and blue lime	1,450
Salt and lime	1,510
Brown and blue lime	1,556
Grey lime and gypsum	1,571
Brown lime	1,578
Lime and salt	1,624
Blue and brown lime	1,634
Blue shale and gypsum	1,698
Lime and salt	1,965
Brown and grey lime	2,088
Blue lime and gypsum	2,135
Salt	2,218
Gypsum and lime	2,223
Grey and brown lime	2,345
Grey lime and gypsum	2,359
Brown and grey lime	2,495

Show of oil at 2,360 feet.
Salt water at 535 feet.

IMPERIAL OIL, LTD.

G. and L. White No. 2, lot 16, con. VIII, Moore tp.

Driller: R. McMaster and Sons.
Completed December 12, 1950.
Dry hole.
Elevation: 648 ft.

Formation	Depth, ft.
Surface	135
Black shale	223
Grey shale and lime	300
Soap	420
Shale	430
Soap	465
Brown lime	640
Lime and gypsum	740
Brown and grey lime	1,170
Brown and blue lime	1,240
Brown, blue lime, and gypsum	1,250
Brown lime	1,270
Blue shale	1,360
Brown and blue lime	1,390
Brown lime and salt	1,420
Brown lime	1,677
Blue shale	1,722
Lime and salt	1,779
Salt	1,952
Lime and salt	1,962
Salt	1,984
Brown, blue, and grey lime	2,134
Brown lime and gypsum	2,145
Salt	2,234
Gypsum	2,257
Brown and grey lime	2,380
Brown lime and gypsum	2,395
Guelph	2,510
Shale	2,528

Show of oil at 2,263 feet.
Fresh water at 120 feet; sulphur water at 490 feet; salt water at 2,418 feet.

IMPERIAL OIL, LTD.

B. Young No. 1, lot 12, con. III, Moore tp.

Driller: R. McMaster and Sons.
Completed January 27, 1950.
Dry hole.

Formation	Depth, ft.
Surface	145
Grey and black shale	290
Grey shale and lime	370
Soap	480
Lime and shale	500
Soap	540
Blue lime	550
Brown lime	600
Brown and grey lime	760
Brown lime and gypsum	850
Brown lime	920
Grey lime and sharp sand	1,200
Grey and brown lime	1,250
Brown and blue lime	1,545
Blue shale	1,620
Brown lime and gypsum	1,630
Brown lime and salt	1,740
Salt	1,886
Brown and grey lime	2,000
Blue lime and gypsum	2,028
Blue lime and salt	2,035
Salt	2,107
Brown and grey lime	2,190
Brown lime and shale	2,245
Grey lime and gypsum	2,265
Brown lime	2,298

Fresh water at 143 feet; sulphur and salt water at 645 feet; salt water at 2,282 to 2,290 feet.

Lambton County—Continued

PETROMINE EXPLORATION AND FINANCE CO.

R. Young No. 1, lot 10, con. I, Moore tp.

Driller: S. Earl.
Completed February 22, 1950.
Dry hole.

Formation	Depth, ft.
Surface	117
Shale	306
Top rock	385
Soap	488
Middle lime	503
Soap	537
Black streak	542
Lime	585

Fresh water at 112 feet.

IMPERIAL OIL, LTD.

E. Baxter No. 1, lot 26, con. IV, Moore tp.

Driller: R. McMaster and Son.
Completed January 15, 1951.
Dry hole.

Formation	Depth, ft.
Surface	160
Grey and black shale	475
Brown lime and shale	560
Soap	675
Lime and soap	730
Lime	856
Water and sand	909
Lime and gypsum	1,184
Grey and brown lime	1,340
Water sand	1,385
Brown and blue lime	1,460
Blue lime	1,490
Blue shale and gypsum	1,540
Brown and blue lime	1,680
Salt and lime	1,900
Salt	2,100
Brown lime	2,170
Grey lime	2,235
Lime and gypsum	2,260
Salt	2,335
Lime and salt	2,345
Brown lime	2,393
Grey lime	2,452
Lime and gypsum	2,473
Guelph	2,583
Shale	2,600

Fresh water at 106 feet; sulphur water at 1,340–1,380 feet.

Formation	Depth, ft.
Surface	...
Top rock	229
Top soap	355
Middle lime	365
Lower soap	419
Big lime	520

Show of oil at 430 feet.
Fresh water at 170 to 175 feet.

E. L. ROTH

C. Dennis No. 1, lot 8, con. III, Plympton tp.

Driller: Demaray and Nichols.
Completed March 23, 1950.
Dry hole.

Formation	Depth, ft.
Surface	170
Top rock	231
Top soap	354
Middle lime	365
Lower soap	413
Dark grey lime	418
Grey and buff lime	493
Soft brown lime	510
Hard brown lime	545
Water sand	550
Detroit River	635

Show of oil at 425 to 430 feet.
Sulphur water at 545 feet.

E. L. ROTH

M. Donald No. 1, lot 6, con. I, Plympton tp.

Driller: Demaray and Nichols.
Completed August 26, 1950.
Producing oil well.

Formation	Depth, ft.
Surface	193
Top rock	253
Top soap	378
Middle lime	391
Lower soap	438
Big lime	552

Oil at 440 to 450 feet.
Show of gas at 495 and 500 feet.
Fresh water at 205 feet; salt water at 500 feet.

E. L. ROTH

M. Lumley No. 1, lot 10, con. II, Plympton tp.

Driller: W. Hussey.
Completed January 19, 1950.
Dry hole.

Formation	Depth, ft.
Surface	170
Top rock	215
Upper soap	353
Middle lime	372
Lower soap	415
Grey and buff lime	550

Show of oil at 432 to 435 feet.
Show of gas at 468 to 474 and 482 to 484 feet.
Fresh water at 175 feet; sulphur water at 545 feet.

E. L. ROTH

W. Parks No. 1, lot 7, con. II, Plympton tp.

Driller: W. Hussey.
Completed August 9, 1950.
Producing oil well.

Formation	Depth, ft.
Surface	170
Top rock	235
Upper soap	360
Middle lime	373
Lower soap	404
Big lime	500

Oil at 460 feet.
Show of gas at 450 feet.
Fresh water at 190 and 230 feet.

E. L. ROTH

W. Parks No. 2, lot 7, con. II, Plympton tp.

Driller: Demaray and Nichols.
Completed October 12, 1950.
Producing oil well.

Formation	Depth, ft.
Surface	175
Top rock	237
Top soap	365
Middle lime	375
Lower soap	420
Big lime	540

Oil at 520 feet.
Show of gas at 520 feet.
Fresh water at 185 feet; salt water at 520 feet.

IMPERIAL OIL, LTD.

A. Brown No. 1, lot 26, con. V, Moore tp.

Driller: R. McPherson.
Completed June 25, 1951.
Dry hole.

Formation	Depth, ft.
Surface	145
Blue shale	280
Black shale	490
Hamilton	735
Brown lime	1,173
Brown and grey lime	1,405
Blue shale and brown lime	1,700
Salt	1,705
Brown lime and streaks of salt	1,740
Blue shale	1,820
Salt and lime	1,850
Salt	2,053
Salt and lime	2,086
Salt	2,108
Brown lime	2,205
Brown lime and black shale	2,250
Brown lime and gypsum	2,268
Salt	2,356
Salt and gypsum	2,363
Brown lime	2,416
Blue shale and brown lime	2,479
Guelph lime	2,606

Fresh water at 145 feet; salt water at 860 feet.

IMPERIAL OIL, LTD.

G. and M. Grant No. 1, lot 10, con. VIII, Moore tp.

Driller: Stubble and Stubble.
Completed February 12, 1951.
Dry hole.

Formation	Depth, ft.
Surface	153
Black shale	194
Soap	257
Brown and grey shale	435
Top rock	511
Soap	620
Middle lime	632
Soap	666
Brown lime	856
Brown lime and gypsum	896
Brown, grey and, blue lime	1,313
Brown and blue lime and gypsum	1,371
Brown and grey lime	1,749
Grey lime and gypsum	1,757
Brown lime	2,000

Black water at 786 feet; salt water at 1,790, 1,831–1,839, and 1,890 feet.

IMPERIAL OIL, LTD.

N. and A. Clysdale No. 1, lot 29, con. VI, Moore tp.

Driller: Stubble and Stubble.
Completed October 30, 1951.
Dry hole.

Formation	Depth ft.
Surface	160
Grey shale	280
Black and brown shale	505
Hamilton	760
Brown lime	1,003
Grey lime and gypsum	1,051
Brown and grey lime	1,139
Brown and grey lime sharp	1,358
Hard brown lime	1,422
Brown and blue gypsum and brown lime	1,593
Brown lime	1,642
Lime and salt	1,664
Brown lime	1,740
Salt and lime	1,777
Brown and blue lime	1,849
Brown and blue lime and salt	2,140
Brown and grey lime	2,293
Grey lime and gypsum	2,313
Salt and lime	2,402
Brown lime and gypsum	2,411
Brown lime	2,480
Brown and grey lime	2,506
Brown lime and gypsum	2,533
Brown and grey lime	2,587
Grey lime	2,645
Grey shale	2,652

Fresh water at 128 feet; sulphur water at 830 feet.

IMPERIAL OIL, LTD.

J. Hackney No. 1, lot 27, con. VIII, Moore tp.

Driller: R. McMaster and Sons.
Completed October 30, 1951.
Dry hole.

Formation	Depth, ft.
Surface	138
Black shale	300
Hamilton	555
Brown lime	758
Brown lime and gypsum	830
Brown lime	1,110
Sharp lime	1,165
Blue shale	1,273
Brown and blue lime and blue shale	1,465
Brown lime and salt	1,485
Brown lime	1,517
Lime and salt	1,595
Lime	1,654
Salt, lime and shale	1,702
Blue shale	1,742
Lime and gypsum	1,750
Brown lime and blue shale	1,765
Shale salt and lime	1,834
Salt	2,030
Salt, lime and gypsum	2,054
Brown lime	2,157
Blue lime	2,203
Lime and gypsum	2,231
Salt and lime	2,322
Brown lime and gypsum	2,330
Brown lime	2,500
Grey lime	2,583
Shale	2,590

Show of gas at 136 feet.
Fresh water at 135 feet; salt and sulphur water at 695–700 feet.

IMPERIAL OIL, LTD.

L. and B. Welsh No. 1, lot 25, con. VIII, Moore tp.

Driller: R. McPherson.
Completed August 3, 1951.
Dry hole.

Formation	Depth, ft.
Surface	125
Black shale	280
Hamilton	540
Brown lime	745
Brown lime and gypsum	849
Brown lime	1,008
Brown and grey lime	1,063
Sharp limestone	1,175
Brown lime and blue shale	1,430
Salt and lime	1,439
Brown lime	1,484
Brown lime, salt, and blue shale	1,589
Brown lime and blue lime	1,634
Lime and salt	1,650
Blue shale	1,749
Lime and salt	1,762
Salt	1,786
Lime	1,831
Lime and salt	1,850
Salt	2,038
Brown and grey lime	2,189
Salt	2,295
Gypsum and brown lime	2,310
Brown lime and Guelph	2,427
Guelph	2,540
Blue shale	2,547

Fresh water at 125 feet; sulphur and salt water at 570 feet.

IMPERIAL OIL, LTD.

J. Wilson and J. Carter No. 1, lot 21, con. XI, Moore tp.

Driller: R. McPherson.
Completed October 30, 1951.
Dry hole.

Formation	Depth, ft.
Surface	155
Black shale	250
Hamilton	533
Brown lime	740
Brown lime and gypsum streaks	801
Brown lime	1,072
Sharp lime	1,133
Brown lime	1,244
Blue shale and grown lime	1,338
Blue shale	1,228
Salt and lime	1,455
Blue shale, blue and brown lime	1,535
Salt and lime	1,690
Brown and blue lime	1,765
Salt and lime	1,805
Blue shale	1,882
Salt and shale	1,892
Brown lime and salt	1,950
Salt	2,030
Lime and salt	2,158
Brown and grey lime	2,332
Salt	2,430
Gypsum	2,440
Brown lime	2,460
Water sand	2,498
Brown lime	2,627
Grey lime	2,675
Rochester shale	2,685

Fresh water at 135 feet; salt water at 670 and 2,460 feet.

IMPERIAL OIL, LTD.

M. White and A. White No. 1, lot 17, con. VIII, Moore tp.

Driller: R. McPherson.
Completed November 23, 1951.
Producing gas well.
Rock pressure: 825 lb.

Formation	Depth, ft.
Surface	143
Brown and black shale	245
Hamilton	495
Brown lime	675
Brown lime and gypsum	820
Brown lime	953
Sharp brown lime	1,104
Brown lime	1,133
Blue shale	1,138
Brown lime	1,198
Brown and blue lime and gypsum	1,243
Brown and blue lime	1,400
Brown lime and salt	1,446
Brown and blue lime	1,476
Brown lime and salt	1,533
Brown and blue lime	1,615
Brown lime and salt	1,648
Brown and blue lime	1,715
Brown lime and salt	1,935
Brown and blue lime	2,023
Lime and gypsum	2,091

Gas at 142, 280, 2,052, and 2,091 feet.
Fresh water at 142 feet; sulphur water at 560 feet.

IMPERIAL OIL, LTD.

I. Young No. 1, lot 10, con. II, Moore tp.

Driller: Kiser Bros.
Completed June 18, 1951.
Producing gas well.
Rock pressure: 943 lb.

Formation	Depth, ft.
Surface	88
Brown shale	225
Hamilton	421
Grey lime	436
Soap	472
Brown lime	702
Brown lime and gypsum	714
Brown lime	732
Brown lime and gypsum	738
Brown lime	910
Grey and brown lime	1,070
Brown lime	1,162
Brown lime and blue lime and gypsum	1,198
Brown lime	1,220
Blue lime	1,334
Brown and blue lime	1,374
Brown lime	1,464
Brown lime and salt	1,494
Blue lime	1,530
Brown and grey lime	1,560
Salt and lime	1,722
Brown lime	1,776
Brown and grey lime	1,812
Brown lime	1,859

Gas at 1,851–1,859 feet.
Fresh water at 88 feet; salt water at 600 feet.

S. G. Russell

K. Tye No. 1, lot 10, con. IV, Moore tp.

Driller: R. McPherson.
Completed October 13, 1951.
Dry hole.

Formation	Depth, ft.
Surface	92
Black shale	160
Hamilton	440
Brown lime	570
Brown lime and gypsum	670
Brown and grey lime	870
Sharp lime	1,040
Brown lime	1,155
Blue shale	1,173
Brown lime	1,183
Blue lime and gypsum	1,215
Blue shale	1,310
Brown and blue lime	1,396
Brown lime	1,445
Salt and lime	1,478
Brown and blue lime	1,564
Salt and shells	1,820
Brown and grey lime	1,960
Grey lime and gypsum	1,970
Salt	2,042
Salt, gypsum and lime	2,053
Brown and grey lime	2,166
Grey lime	2,286
Rochester blue shale	2,292

Show of gas at 2,070 feet.
Sulphur water at 575 and 640 feet.

Union Gas Co. of Canada, Ltd.

D. and O. Campbell No. 1, lot 9, con. II, Moore tp.

Driller: Kiser Bros.
Completed February 26, 1951.
Producing gas well.
Rock pressure: 931 lb.

Formation	Depth, ft.
Surface	134
Black shale	295
Top rock	395
Soap	510
Middle lime	528
Soap	575
Brown lime	965
Sharp sand	1,200
Brown lime	1,300
Blue lime and gypsum	1,318
Brown and grey lime	1,363
Lime and gypsum	1,527
Brown and grey lime	1,652
Salt and lime shell	1,870
Brown and grey lime	1,985
Salt and lime shell	2,018
Brown lime	2,100

Gas at 2,020–2,025 and 2,040–2,049 feet.
Fresh water at 130 feet; sulphur water at 674–725 feet; salt water at 2,092–2,100 feet.

Union Gas Co. of Canada, Ltd.

W. and C. Bromberg No. 1, lot 7, con. II, Moore tp.

Driller: W. Kiser and Son.
Completed August 2, 1951.
Dry hole.

Formation	Depth, ft.
Surface	112
Black shale	252
Hamilton	510
Brown and grey lime	720
Lime and gypsum	856
Brown lime	998
Sharp lime	1,168
Brown lime	1,258
Blue and brown lime	1,328
Lime and gypsum	1,340
Blue, grey and brown lime	1,651
Salt and lime	1,820
Brown lime	1,880
Grey lime	1,962
Salt	2,023
Brown lime	2,064
Grey lime	2,171
Brown lime	2,218
Grey lime	2,278
Grey shale	2,280

Show of oil at 2,179–2,188 feet.
Fresh water at 100 feet; sulphur water at 650 feet.

Union Gas Co. of Canada, Ltd.

S. and C. Nisbet No. 1, lot 24, con. VII, Moore tp.

Driller: Kiser Bros.
Completed June 15, 1951.
Dry hole.

Formation	Depth, ft.
Surface	125
Black shale	270
Hamilton	533
Brown lime	756
Brown lime and gypsum	832
Brown lime	954
Sharp lime	1,130
Brown lime	1,193
Lime and gypsum	1,275
Brown, blue, grey lime	1,410
Salt	1,429
Brown and grey lime	1,470
Salt	1,495
Lime	1,505
Salt and lime	1,527
Brown, blue and grey lime	1,626
Salt	1,636
Grey and blue lime	1,700
Salt and lime streaks	2,008
Brown and grey lime	2,170
Salt	2,268
Brown lime	2,416
Grey lime and gypsum	2,430
Brown and grey lime	2,518
Grey shale	2,523

Show of gas at 2,436 feet.
Fresh water at 125 feet; sulphur water at 540 and 660 feet.

UNION GAS CO. OF CANADA, LTD.

A. and W. White No. 1, lot 22, con. VI, Moore tp.

Driller: Kiser Bros.
Completed January 4, 1951.
Dry hole.

Formation	Depth, ft.
Surface	122
Brown shale	260
Top rock	330
Soap	452
Middle lime	460
Soap	510
Brown lime	930
Sharp sand	1,130
Brown, blue, and grey lime	1,249
Lime and gypsum	1,305
Brown and grey lime	1,437
Salt and lime shell	1,490
Grey and brown lime	1,600
Salt and lime shell	1,620
Blue shale	1,665
Brown and grey lime	1,696
Salt and lime shell	1,954
Brown and grey lime	2,113
Salt	2,180
Grey and brown lime	2,470
Blue shale	2,475

Show of oil at 515 feet.
Fresh water at 120 feet; sulphur water at 636 feet.

IMPERIAL OIL, LTD.

E. Bogaert No. 1, lot 13, con. V, Sombra tp.

Driller: R. McMaster and Sons.
Completed June 19, 1951.
Dry hole.

Formation	Depth, ft.
Surface	90
Grey shale	110
Black shale	277
Hamilton	480
Big brown lime	780
Grey lime	820
Sharp grey lime	950
Grey lime	990
Blue and brown lime	1,090
Brown lime, blue shale, and gypsum	1,150
Blue shale	1,180
Blue and brown lime	1,206
Blue, brown lime and gypsum	1,306
Blue and brown lime and blue shale	1,415
Salt	1,595
Salt and gypsum	1,618
Brown lime	1,630
Grey lime	1,695
Blue shale	1,740
Blue, brown lime and gypsum	1,770
Salt	1,795
Brown lime and gypsum	1,806
Grey lime	1,912
Lime and gypsum	1,917
Guelph lime	2,063
Grey shale	2,070

Gas at 1,816–1,820 feet.
Salt water at 570, and 1,995–2,005 feet.

IMPERIAL OIL, LTD.

E. and S. Smith No. 1, lot 26, con. I, Plympton tp.

Driller: R. McMaster and Sons.
Completed December 31, 1951.
Dry hole.

Formation	Depth, ft.
Surface	64
Black shale	141
Hamilton	407
Brown and grey lime	1,202
Lime and gypsum	1,270
Brown lime	1,326
Lime, salt, and gypsum	1,370
Lime and salt	1,420
Grey lime	1,446
Lime and salt	1,543
Blue shale and gypsum	1,576
Lime and salt	1,698
Salt	1,857
Brown lime	1,996
Salt	2,071
Gypsum	2,080
Brown and grey lime	2,298
Rochester shale	2,308

Fresh water at 60 feet; sulphur water at 545 feet; salt water at 2,210 feet.

IMPERIAL OIL, LTD.

M. and M. Crawford No. 1, lot 14, XI, Sombra tp.

Driller: R. McMaster and Sons.
Completed December 6, 1951.
Dry hole.

Formation	Depth, ft.
Surface	125
Huron	332
Hamilton	559
Brown lime	628
Water sand	640
Brown lime	714
Water sand	775
Brown lime	1,016
Sharp lime	1,075
Brown lime	1,175
Lime and gypsum	1,217
Brown and blue lime and shale	1,524
Salt and lime	1,719
Brown lime	1,884
Lime and gypsum	1,891
Lime and salt	1,943
Brown lime	2,035
Guelph and brown and grey lime	2,137
Grey lime	2,222
Rochester shale	2,235

Show of gas at 1,964–1,970 feet.
Fresh water at 120 feet; sulphur water at 634 and 714 feet.

Lambton County—Continued

DEMARAY, NICHOLS, AND PARKINSON

Mrs. N. Macauley No. 1, lot 29, con. IX, Euphemia tp.

Driller: Demaray and Nichols.
Completed March 19, 1952.
Dry hole.

Formation	Depth, feet
Surface	66
Top rock	117
Upper soap	249
Middle lime	269
Lower soap	295
Grey lime	301
Buff lime	385
Sharp lime and sand	403

Fresh water at 65 feet; sulphur water at 403 feet.

IMPERIAL OIL, LTD.

J. Mihalich No. 1, lot 29, con. VIII, Euphemia tp.

Driller: R. McPherson.
Completed July 16, 1952.
Dry hole.

Formation	Depth, feet
Surface	65
Top rock	75
Lime and soap	247
Lime	266
Lime and soap	280
Dark-grey lime	285
Brown lime	450

Fresh water at 70 and 260 feet; black water at 416 feet.

E. L. ROTH

J. Mihalich No. 1, lot 28, con. X, Euphemia tp.

Driller: E. Roth.
Completed July 3, 1952.
Dry hole.

Formation	Depth, feet
Surface	86
Top rock	134
Top soap	275
Middle lime	290
Lower soap	310
Grey lime	315
Brown lime	395
Sharp sand	435
Brown lime	466

Fresh water at 86 feet; sulphur water at 415 feet.

UNION GAS CO., OF CANADA, LTD.

G. and M. Prangley No. 1, lot 22, con. III, Euphemia tp.

Driller: Ehde and Meier.
Completed August 22, 1952.
Dry hole.

Formation	Depth, feet
Surface	60
Black shale	110
Hamilton	350
Brown lime	450
Water sand	480
Brown lime	530
Grey lime	610
Brown lime	720
Sharp lime	1,025
Brown lime	1,110
Brown and blue lime	1,130
Brown and blue lime and gypsum	1,140
Brown and blue lime	1,198
Blue lime and gypsum	1,260
Brown and blue lime	1,512
Lime and salt	1,530
Brown lime	1,638
Grey lime and gypsum	1,644
Brown lime	1,734
Black lime	1,752
Brown lime	1,764
Brown lime and gypsum	1,788
Grey lime	1,800
Brown lime	1,830
Grey lime	1,848
Brown lime	1,872
Grey lime	1,920
Grey shale	1,922

Fresh water at 56 feet; sulphur water at 450 feet.

WILSON-SULLIVAN DEVELOPMENT CO., LTD.

E. Stuart No. 2, lot 16, con. VIII, Euphemia tp.

Driller: Wilson-Sullivan Development Co.
Completed October 12, 1952.
Dry hole.

Formation	Depth, feet
Surface	90
Top rock	136
Upper soap	259
Middle lime	269
Lower soap	295
Dark-grey lime	302
Grey lime	305
Brown lime	378

Show of oil at 307 feet.
Fresh water at 87 feet; sulphur water at 307 feet.

DEMARAY, NICHOLS, AND PARKINSON

M. Walker No. 1, lot 28, con. IX, Euphemia tp.

Driller: Demaray and Nichols.
Completed April 29, 1952.
Producing oil well.

Formation	Depth, feet
Surface	64
Top rock	109
Upper soap	247
Middle lime	264
Lower soap	286
Lower lime	310

Oil at 308–10 feet.
Fresh water at 64 and 84 feet.

Lambton County—Continued

DEMARAY, NICHOLS, AND PARKINSON

M. Walker No. 2, lot 28, con. IX, Euphemia tp.

Driller: Demaray and Nichols.
Completed May 14, 1952.
Producing oil well.

Formation	Depth, feet
Surface	72
Top rock	118
Upper soap	258
Middle lime	274
Lower soap	290
Lower lime	312

Oil at 310–12 feet.
Fresh water at 70 feet.

CASCADE OIL CO.

M. Walker No. 3, lot 28, con. IX, Euphemia tp.

Driller: Demaray and Nichols.
Completed October 30, 1952.
Producing oil well.

Formation	Depth, feet
Surface	67
Top rock	118
Soap	248
Middle lime	269
Lower soap	285
Dark-grey lime	290
Buff lime	385
Sharp sandy lime	413

Oil at 307 feet.
Fresh water at 65–67 feet; sulphur water at 410 feet.

IMPERIAL OIL, LTD.

J. Eyre No. 1, lot 18, con. VII, Moore tp.

Driller: Stubble and Stubble.
Completed December 13, 1952.
Producing gas well.
Rock pressure: 785 lb.

Formation	Depth, feet
Surface	142
Black shale	230
Hamilton	495
Grey and brown lime	678
Brown lime and gypsum	755
Brown and grey lime	958
Sharp grey lime	1,112
Grey and brown lime	1,185
Brown lime and gypsum	1,202
Blue, grey and brown lime	1,240
Blue and brown lime and gypsum	1,282
Brown and blue lime	1,426
Brown and blue lime and salt	1,440
Brown and blue lime	1,575
Brown lime and salt	1,600
Grey and blue shale	1,643
Brown lime and salt	1,865
Brown and grey lime	1,945
Grey lime and gypsum	1,965
Gypsum	1,982
Brown lime and gypsum	1,985
Brown lime	2,012

Gas at 510, 1,985–91, 1,994–97, 2,003–6, and 2,010–11 feet.
Fresh water and 140 feet; sulphur water at 620 feet.

IMPERIAL OIL, LTD.

C. and N. Iden No. 2, lot 17, con. VIII, Moore tp.

Driller: R. McPherson.
Completed April 2, 1952.
Dry hole.

Formation	Depth, feet
Surface	150
Brown shale	242
Hamilton	504
Brown lime	682
Brown lime and gypsum	786
Brown lime	846
Brown and grey lime	909
Sharp brown and grey lime	1,105
Brown and grey lime	1,176
Brown and grey lime and gypsum	1,220
Brown and blue lime and blue shale	1,294
Brown and blue lime and gypsum	1,330
Brown and blue lime	1,404
Salt and lime shells	1,422
Brown lime	1,432
Salt and lime shells	1,454
Brown lime	1,474
Brown and blue lime and salt	1,546
Brown and blue lime	1,620
Lime and salt	1,673
Blue shale and brown and blue lime	1,740
Lime and salt	2,030
Brown and blue lime	2,180
Lime and salt	2,215
Salt	2,277
Salt and gypsum	2,285
Brown lime and gypsum	2,295
Brown lime	2,343
Brown and grey lime	2,419
Brown lime and gypsum	2,445
Brown lime	2,455
Grey lime	2,530
Blue shale	2,536

Fresh water at 149 feet; sulphur water at 660 feet.
Show of oil at 2,285–95 feet.

IMPERIAL OIL, LTD.

R. Medley No. 1, lot 20, con. IX, Moore tp.

Driller: R. McPherson.
Completed November 14, 1952.
Producing gas well.
Rock pressure: 880 lb.

Formation	Depth, feet
Surface	155
Brown shale	270
Hamilton	537
Brown lime	967
Sharp brown and grey lime	1,165
Brown lime	1,265
Brown and blue lime and gypsum	1,280
Brown and blue lime	1,350
Brown and blue lime and gypsum	1,447
Brown lime	1,482
Lime and salt	1,502
Brown lime	1,529
Lime and salt	1,610
Brown and blue lime	1,680
Lime and salt	1,730
Brown and blue lime	1,787
Lime and salt	2,080
Brown lime	2,190
Brown and grey lime	2,207
Brown lime and gypsum	2,232
Lime and salt	2,323
Brown and grey lime	2,347
Brown lime	2,387

Gas at 2,344–62 feet.
Sulphur water at 670–80 feet.

Lambton County—Continued

IMPERIAL OIL, LTD.

R. Murray No. 1, lot 21, con. IX, Moore tp.

Driller: R. McPherson.
Completed July 28, 1952.
Producing gas well.
Rock pressure: 880 lb.

Formation	Depth, feet
Surface	151
Black, brown and grey shale	280
Hamilton	551
Brown lime	722
Brown lime and gypsum	822
Brown and grey lime	947
Sharp brown and grey lime	1,173
Brown and grey lime	1,201
Brown lime	1,261
Brown and blue lime and gypsum	1,271
Brown and blue lime	1,352
Brown lime and gypsum	1,412
Blue lime	1,432
Brown lime	1,452
Lime and salt	1,462
Brown lime	1,472
Lime and salt	1,502
Brown lime	1,532
Lime and salt	1,584
Brown lime	1,617
Brown and blue lime and salt	1,638
Brown lime and blue lime	1,670
Brown and blue lime and salt	1,710
Blue shale	1,742
Brown and blue lime and gypsum	1,780
Lime and salt	1,963
Brown and grey lime	2,055
Brown lime and gypsum	2,063
Gypsum	2,094
Brown lime and gypsum	2,099
Brown lime	2,137

Gas at 20, 98, 2,107–24, 2,124–32, and 2,132–37, feet.
Sulphur water at 208 feet; black water at 608 and 722–72 feet.

IMPERIAL OIL, LTD.

D. and W. Prentice No. 1, lot 18, con. VIII, Moore tp.

Driller: R. L. McPherson.
Completed February 16, 1952.
Dry hole.

Formation	Depth, feet
Surface	141
Brown shale	244
Hamilton	505
Brown lime	731
Brown lime and gypsum	797
Brown lime	910
Sharp brown and grey lime	1,095
Brown and grey lime	1,176
Brown lime and gypsum	1,197
Blue shale and brown lime	1,376
Blue lime and salt	1,389
Brown lime	1,399
Brown lime and salt	1,426
Brown lime	1,448
Brown lime and salt	1,511
Brown and blue lime	1,592
Brown lime and salt	1,630
Brown and blue lime	1,721
Lime and salt	1,985
Brown and grey lime	2,129
Brown lime and gypsum	2,140
Salt and lime	2,242
Brown lime and gypsum	2,252
Brown lime	2,292
Brown and grey lime	2,321
Brown lime	2,363
Brown lime and gypsum	2,374
Brown and grey lime	2,407
Grey lime	2,493
Shale	2,497

Sulphur water at 620 feet.

IMPERIAL OIL, LTD.

M. Neal No. 1, lot 21, con. VIII, Moore tp.

Driller: T. McMaster.
Completed December 31, 1952.
Producing gas well.
Rock pressure: 880 lb.

Formation	Depth, feet
Surface	135
Huron	281
Hamilton	546
Brown and grey lime	993
Sharp lime	1,193
Brown lime	1,270
Blue shale	1,305
Grey lime	1,334
Brown and blue lime	1,353
Blue shale and gypsum	1,440
Grey lime and shale	1,561
Salt and lime	1,694
Lime and gypsum	1,705
Salt and lime	1,712
Blue shale	1,780
Lime and salt	2,043
Brown lime	2,123
Lime and blue shale	2,183
Lime and gypsum	2,190
Gypsum and salt	2,198
Salt	2,262
Gypsum and salt	2,272
Lime and gypsum	2,278
Brown lime	2,314

Gas at 2,298–2,314 feet.
Show of oil at 2,278 feet.
Fresh water at 130 feet; sulphur water at 675 feet.

UNION GAS CO. OF CANADA, LTD.

J. Rattray No. 1, lot 1, con. IV, Moore tp.

Driller: Ehde and Meier.
Completed October 18, 1953.
Dry hole.

Formation	Depth, feet
Surface	87
Black shale	200
Hamilton	550
Brown lime	900
Brown lime and gypsum	980
Brown lime	1,030
Brown lime and gypsum	1,050
Brown lime	1,080
Sharp lime	1,260
Brown and grey lime	1,360
Blue and brown lime and gypsum	1,370
Grey, blue, brown lime	1,424
Blue and brown lime and gypsum	1,574
Brown and blue lime	1,895
Salt	1,979
Brown and grey lime	2,099
Lime and gypsum	2,117
Brown lime	2,135
Grey lime	2,220
Grey shale	2,223

Gas at 1,767, 1,787–93, and 2,123–35 feet.
Sulphur water at 700 and 730 feet.

Lambton County—Continued

UNION GAS CO. OF CANADA, LTD.

W. Robinson No. 1, lot 2, con. IV, Moore tp.

Driller: W. Kiser and Son.
Completed March 12, 1952.
Dry hole.

Formation	Depth, feet
Surface	100
Black shale	217
Hamilton	613
Brown lime	916
Brown lime and gypsum	922
Brown lime	1,078
Sharp lime	1,263
Brown lime	1,356
Blue lime and gypsum	1,362
Blue and brown lime	1,406
Blue lime and gypsum	1,412
Brown and blue lime	1,724
Brown and grey lime	1,895
Salt	1,978
Brown lime	2,045
Grey lime	2,136
Brown lime	2,152
Grey lime	2,247
Grey shale	2,250

Gas at 1,778–86, 1,858–64 and 2,141–52 feet.
Fresh water at 100 feet; sulphur water at 724 and 762 feet.

IMPERIAL OIL, LTD.

H. and M. Wellington No. 1, lot 20, con. XI, Moore tp.

Driller: Stubble and Stubble.
Completed January 15, 1952.
Dry hole.

Formation	Depth, feet
Surface	145
Black shale	234
Hamilton	510
Brown lime	745
Brown lime and gypsum	786
Brown lime	906
Sharp brown and grey lime and gypsum	965
Sharp brown lime	1,000
Brown lime and gypsum	1,038
Sharp brown and grey lime	1,088
Brown and blue lime	1,115
Brown lime	1,210
Brown and blue lime and gypsum	1,226
Blue, brown and grey lime	1,336
Brown and grey lime	1,380
Salt and grey lime	1,470
Brown and grey lime	1,506
Salt and brown lime	1,570
Hard brown lime	1,606
Salt and brown and grey lime	1,680
Brown lime	1,743
Brown and blue lime and gypsum	1,752
Brown and grey lime	1,761
Salt and grey lime	1,807
Brown and grey lime and shale	1,863
Brown lime and salt	2,164
Brown and grey lime	2,308
Salt	2,384
Brown lime and salt	2,393
Brown lime	2,518
Brown and grey lime	2,575
Grey lime	2,646
Blue shale	2,654

Show of oil at 2,388–409 feet.
Sulphur water at 640 feet; salt water at 2,418–25 feet.

IMPERIAL OIL, LTD.

A. and M. White No. 2, lot 17, con. VIII, Moore tp.

Driller: R. McPherson.
Completed March 11, 1952.
Producing oil well.

Formation	Depth, feet
Surface	140
Black and blue shale	226
Hamilton	485
Brown lime	683
Brown lime and gypsum	768
Brown lime	990
Sharp brown lime and sand	1,090
Brown lime	1,178
Blue shale and brown lime	1,376
Brown lime and salt	1,410
Brown lime	1,445
Lime and salt	1,520
Blue and brown lime	1,599
Lime and salt	1,609
Brown lime	1,620
Salt and lime	1,635
Blue shale and brown lime	1,698
Brown lime and salt	1,750
Salt and lime	1,983
Lime	2,135
Salt	2,233
Gypsum	2,243
Brown lime	2,381

Oil at 2,230–45 and 2,245–87 feet.
Sulphur water at 495 feet.

A. E. ROTH

H. Drope No. 1, lot 5, con. I, Plympton tp.

Driller: Demaray and Nichols.
Completed August 13, 1952.
Dry hole.

Formation	Depth, feet
Surface	169
Top rock	242
Upper soap	358
Middle lime	368
Lower soap	418
Dark-grey lime	424
Buff lime	515
Brown lime	685
Lime and gypsum	699
Brown lime	707

Fresh water at 169 feet; sulphur water at 550 feet.

IMPERIAL OIL, LTD.

R. MacKinley No. 1, lot 19, lake front, Plympton tp.

Driller: R. McMaster and Sons.
Completed June 30, 1952.
Dry hole.

Formation	Depth, feet
Surface	103
Black shale	163
Hamilton	470
Grey and brown lime	706
Brown lime and gypsum	751
Brown and grey lime	810
Brown lime and gypsum	873
Brown lime	982
Sharp brown and grey lime	1,175
Brown lime	1,303
Brown and blue lime	1,417
Blue lime, shale and salt	1,503
Salt and lime	1,606
Brown lime	1,633
Salt	1,704
Brown, blue and grey lime	1,823
Salt	1,845
Blue shale and blue lime	1,962
Brown lime, blue lime and salt	2,230
Brown and blue lime	2,374
Salt	2,477
Gypsum and salt	2,484
Gypsum and lime	2,490
Brown lime	2,609
Brown and grey lime	2,707
Grey shale	2,712

Fresh water at 102 feet; black water at 615 feet.

Lambton County—Continued

UNION GAS CO. OF CANADA, LTD.—DAWN No. 164

B. Warren No. 1, lot 29, con. I, Enniskillen tp.

Location: 1,600 ft. N., 796 ft. E.
Elevation: 670 ft.
Driller: W. Kiser and Son.
Completed: Feb. 14, 1953.
Result: dry hole.

Formation	Depth ft.
Surface	45
Huron	145
Hamilton	405
Brown lime	639
Brown lime and gypsum	645
Brown lime	693
Brown lime and gypsum	701
Brown lime	810
Sharp lime	1,133
Brown lime	1,228
Brown lime and gypsum	1,234
Grey and blue lime	1,276
Blue and brown lime and gypsum	1,282
Grey and brown lime	1,526
Grey lime	1,617
Brown lime	1,680
Grey lime	1,737
Brown lime	1,974
Light-grey lime	2,040

Fresh water at 45 ft.; sulphur water at 549 and 591 ft.; salt water at 1,844 ft.

I. CARROTHERS—No. 1

T. Page No. 1, lot 29, con. X, Euphemia tp.

Location: 960 ft. S., 1,403 ft. E.
Elevation: 695 ft.
Driller: R. Lather.
Completed: Aug. 11, 1953.
Result: producing oil well.

Formation	Depth ft.
Surface	90
Top rock	140
Top soap	278
Middle lime	298
Lower soap	315
Grey lime	323
Brown lime	350

Oil at 340 ft.
Fresh water at 90 ft.; sulphur water at 340 ft.

DEMARAY, NICHOLS, PARKINSON, AND JEWELL—No. 2

M. Walker No. 4, lot 28, con. IX, Euphemia tp.

Location: 10 ft. N. of C. L., 425 ft. E. of C. L.
Elevation: 676 ft.
Driller: Demaray and Nichols.
Completed: Jan. 28, 1953.
Result: dry hole.

Formation	Depth ft.
Surface	75
Top rock	122
Upper soap	260
Middle lime	275
Lower soap	295
Dark-grey lime	299
Buff lime	377
Sharp, sandy lime	404

Show of oil at 320 ft.
Sulphur water at 312 ft.; black sulphur water at 404 ft.; fresh water at 85 ft.

DEMARAY, NICHOLS, PARKINSON, AND JEWELL—No. 6

M. Walker No. 5, lot 28, con. IX, Euphemia tp.

Location: 270 ft. S., 1,000 ft. W.
Driller: R. Lather.
Completed: July 4, 1953.
Result: dry hole.

Formation	Depth ft.
Surface	69
Top rock	121
Top soap	260
Middle lime	275
Lower soap	295
Grey lime	300
Brown lime	315

Show of oil at 313 ft.
Fresh water at 69 ft.; sulphur water at 313 ft.

E. R. MCGAFFEY—No. 6

W. and H. Davis No. 1, lot 18, con. V, Euphemia tp.

Location: 314 ft. N., 373 ft. W.
Elevation: 650 ft.
Driller: E. R. McGaffey.
Completed: Oct. 6, 1953.
Result: dry hole.

Formation	Depth ft.
Surface	73
Upper shale, lime streaks	207
Middle lime	223
Lower soap	241
Dark streak	246
Soap	247
Lower lime	367
Oriskney sand	368

Show of gas at 249 ft.
Salt water at 153 ft.

E. R. MCGAFFEY—No. 5

O. and B. Rolston No. 1, lot 17, con. V, Euphemia tp.

Location: 150 ft. N. of C. L., 350 ft. W. of C. L.
Driller: E. R. McGaffey.
Completed: May 21, 1953.
Result: producing oil well.

Formation	Depth ft.
Surface	166
Lime shell	176
Soap	184
Lime, shell, and soap	192
Middle lime	209
Lower lime	229
Dark streak	235
Lower lime	252

Oil at 229–34 ft.
Fresh water at 149–69 ft.

Lambton County—Continued

IMPERIAL OIL, LTD.—No. 405

K. Anderson No. 2, lot 22, con. VII, Moore tp.

Location: 1,450 ft. S., 750 ft. W.
Driller: Union Rotary Corp.
Completed: Sept. 15, 1953.
Rock pressure: 762 lb.
Result: producing gas well.

Formation	Depth ft.
Surface	135
Black shale	267
Hamilton	522
Brown lime	885
Sharp sand	1,125
Brown lime	1,220
Brown lime and gypsum	1,335
Blue and brown lime and gypsum	1,467
Salt	1,515
Blue lime	1,520
Salt	1,527
Brown and blue lime and gypsum	1,623
Salt	1,630
Blue lime and gypsum	1,763
Salt	1,972
Brown lime	2,012
Gypsum, brown lime, and shale	2,122
Salt	2,163
Brown lime	2,223
Blue lime and gypsum	2,250
Brown lime	2,395
Grey lime	2,490
Grey shale	2,494

Gas at 2,247–2,349 ft.

IMPERIAL OIL, LTD.—No. 419

J. and V. Burns No. 1, lot 19, con. X, Moore tp.

Location: 800 ft. S., 375 ft. E.
Elevation: 647+6 ft.
Driller: Union Rotary Corp.
Completed: Dec. 2, 1953.
Result: producing oil well.

Formation	Depth ft.
Surface	140
Black shale	229
Hamilton	508
Brown lime	970
Sharp sand	1,080
Brown lime	1,190
Blue and brown lime	1,380
Salt	1,409
Brown lime	1,429
Salt	1,472
Blue lime	1,496
Salt and lime	1,522
Blue and brown lime	1,530
Salt	1,564
Brown and blue lime	1,588
Salt	1,657
Brown and blue lime	1,739
Salt	1,772
Brown lime	1,840
Salt	2,124
Brown lime	2,244
Grey lime	2,280
Gypsum	2,310
Brown lime	2,450

Gas at 2,308–2,411 ft.
Oil at 2,411–49 ft.

IMPERIAL OIL, LTD.—No. 365

M. Blake No. 1, lot 17, con. VII, Moore tp.

Location: 900 ft. N., 650 ft. W.
Elevation: 636 ft.
Driller: Stubble and Stubble.
Completed: Feb. 17, 1953.
Result: dry hole.

Formation	Depth ft.
Surface	139
Black shale	235
Hamilton	490
Brown lime	680
Brown lime and gypsum	827
Brown and grey lime	875
Brown and grey lime, sharp	1,127
Grey and brown lime	1,220
Grey lime, shale, and gypsum	1,227
Grey lime	1,257
Blue and brown lime	1,370
Brown and blue lime, gypsum	1,409
Brown lime and salt	1,483
Brown lime	1,600
Grey and blue shale	1,680
Salt and lime	1,945
Brown lime	1,988
Grey lime	2,089
Salt	2,141
Brown lime	2,231
Grey lime	2,342
Brown lime	2,354
Grey lime	2,432
Grey shale	2,435

Show of gas at 510–15 and 2,214 ft.
Show of oil at 2,220 ft.
Fresh water at 139 ft.; black sulphur water 515–25 ft.; salt water at 2,225 ft.

IMPERIAL OIL, LTD.—No. 362

C. Celnor No. 1, lot 20, con. VIII, Moore tp.

Location: 50 ft. S., 325 ft. W.
Elevation: 649 ft.
Driller: R. McPherson.
Completed: Jan. 22, 1953.
Result: producing oil well.

Formation	Depth ft.
Surface	145
Hamilton	538
Brown lime	935
Sharp, grey and brown lime	1,149
Brown lime	1,242
Brown and blue lime	1,314
Brown and blue lime and gypsum	1,446
Lime and salt	1,470
Brown lime	1,501
Lime and salt	1,564
Brown lime	1,668
Lime and salt	1,698
Brown and blue lime and blue shale	1,721
Lime and salt	2,050
Brown lime	2,191
Lime and salt	2,290
Brown lime	2,406
Brown lime and gypsum	2,440
Brown lime	2,464
Grey lime	2,561
No samples—fire	2,581

Gas at 2,436 ft.
Oil at 2,319 and 2,436 ft.
Salt water at 2,437 ft.

Lambton County—Continued

IMPERIAL OIL, LTD.—No. 376

O. Clemens No. 1, lot 21, con. IX, Moore tp.

Location: 1,620 ft. N., 820 ft. E.
Elevation: 651+7 ft.
Driller: Union Rotary Corp.
Completed: Mar. 30, 1953.
Rock pressure: 876 lb.
Result: producing gas well.

Formation	Depth ft.
Surface	140
Black shale	280
Hamilton	570
Brown lime	975
Sharp sand	1,180
Brown lime	1,270
Brown lime and gypsum	1,320
Blue lime and shale	1,480
Salt	1,495
Blue lime	1,504
Salt	1,530
Brown and blue lime	1,558
Salt	1,624
Brown lime	1,699
Blue shale	1,814
Salt	1,832
Blue shale	1,840
Salt	1,850
Blue and brown lime	1,860
Salt	2,087
Brown lime	2,127
Grey lime and shale	2,230
Salt	2,295
Brown lime	2,360
Grey lime and shale	2,435
Gypsum	2,451
Brown lime	2,515
Grey lime	2,585
Grey shale	2,603

Gas at 2,234–2,345 ft.
Show of oil at 2,453–95 ft.

IMPERIAL OIL, LTD.—No. 392

R. Medley No. 2, lot 20, con. IX, Moore tp.

Location: 574 ft. N., 552 ft. E.
Elevation: 656+6 ft.
Driller: Union Rotary Corp.
Completed: July 4, 1953.
Result: producing oil well.

Formation	Depth ft.
Surface	150
Black shale	279
Hamilton	544
Brown lime	980
Sharp lime	1,180
Brown lime	1,279
Brown lime and gypsum	1,359
Blue lime and shale	1,458
Salt and gypsum in blue lime	1,495
Blue shale	1,500
Salt and anhydrite	1,530
Grey and blue lime	1,554
Lime and salt	1,570
Salt	1,625
Lime and shale	1,714
Salt	1,750
Brown lime and blue shale	1,835
Salt	2,105
Brown lime	2,135
Grey lime	2,262
Gypsum	2,279
Brown lime	2,319
Grey lime and gypsum	2,325
Brown lime	2,441

Gas at 2,287–2,303 and 2,325–2,400 ft.
Oil at 2,416–41 ft.

IMPERIAL OIL, LTD.—No. 344

R. Murray No. 1, lot 21, con. IX, Moore tp.

Location: 1,000 ft. N., 100 ft. W.
Elevation: 654+6 ft.
Driller: Union Rotary Corp.
Completed: Apr. 19, 1953.
Rock pressure: 876 lb.
Result: producing gas well.

Formation	Depth ft.
Previous depth, 1952	2,137
Brown lime	2,465
Grey lime	2,585
Grey shale	2,605

Gas at 2,135–2,360 ft.
Oil at 2,360–2,465 ft.

IMPERIAL OIL, LTD.—No. 387

G. Roberts No. 3, lot 19, con. VI, Moore tp.

Location: 465 ft. N., 100 ft. W.
Elevation: 632 ft.
Driller: Union Rotary Corp.
Completed: June 6, 1953.
Rock pressure: 650 lb.
Result: producing gas well.

Formation	Depth ft.
Surface	130
Black shale	238
Hamilton	493
Brown lime	900
Sharp lime	1,095
Brown lime	1,195
Brown lime and gypsum	1,265
Blue and brown lime	1,400
Blue lime and gypsum	1,410
Salt	1,472
Blue lime and gypsum	1,545
Salt	1,575
Brown and blue lime	1,635
Salt	1,898
Brown lime	1,938
Brown and grey lime and gypsum	2,010
Gypsum	2,038
Salt	2,040
Gypsum	2,044
Brown lime	2,090
Brown and grey lime	2,094
Brown lime	2,324
Grey lime	2,407
Grey shale	2,411

Gas at 2,093–2,178 ft.
Show of oil at 2,277–99 ft.

Lambton County—Continued

IMPERIAL OIL, LTD.—No. 391

E. and H. Strangway No. 1, lot 11, con. VIII, Moore tp.

Location: 950 ft. N., 900 ft. E.
Elevation: 642+3 ft.
Driller: C. Carter.
Completed: Aug. 3, 1953.
Result: dry hole.

Formation	Depth ft.
Surface	128
Black shale	190
Hamilton	447
Grey and brown lime	812
Sharp, brown lime	1,037
Grey and brown lime	1,143
Lime and shale	1,200
Lime, shale, and gypsum	1,256
Blue shale and lime	1,327
Salt	1,334
Brown lime	1,342
Salt	1,372
Shale and lime	1,399
Lime and salt	1,466
Shale and lime	1,532
Lime, shale, and gypsum	1,540
Salt, lime, and shale	1,590
Lime and shale	1,664
Lime and salt	1,707
Brown lime	1,725
Salt and lime	1,947
Brown lime	2,088
Salt	2,185
Gypsum	2,191
Brown lime	2,400
Grey lime	2,437
Blue shale	2,444

Show of gas at 460 ft.
Show of oil at 2,344 ft.
Sulphur water at 473, 485, and 632 ft.; salt water at 1,070 ft.

IMPERIAL OIL LTD.—No. 403

V. Tracy No. 1, lot 24, con. I, Moore tp.

Location: 50 ft. N., 500 ft. E.
Elevation: 609 ft.
Driller: C. Carter.
Completed: Oct. 13, 1953.
Result: dry hole.

Formation	Depth ft.
Surface	152
Blue shale	211
Black shale	423
Hamilton	650
Brown and grey lime and gypsum	1,031
Sharp, grey lime	1,170
Grey lime	1,252
Grey lime and shale	1,331
Blue shale and gypsum	1,430
Brown lime and shale	1,537
Lime and salt	1,572
Blue shale and grey lime	1,671
Salt and shale	1,703
Salt	1,949
Brown lime	2,037
Shale and lime	2,090
Salt	2,170
Gypsum	2,177
Brown lime	2,303
Gypsum and lime	2,320
Grey lime	2,442
Shale	2,447

Show of oil at 140 ft.
Sulphur water at 750 ft.; salt water at 1,213 ft.

IMPERIAL OIL, LTD.—No. 242

R. Trapp No. 1, lot 22, con. VII, Moore tp.

Location: 1,100 ft. N., 100 ft. W.
Elevation: 634+6 ft.
Driller: Union Rotary Corp.
Deepened: May 14, 1953.
Bottom hole pressure: 826 lb.
Result: producing gas well.

Formation	Depth ft.
Previous depth, 1950	1,996
Brown lime	2,386
Grey lime	2,486
Grey shale	2,505

Gas at 1,971–2,340 ft.
Oil at 2,340–85 ft.

IMPERIAL OIL, LTD.—No. 410

H. Williams No. 1, lot 10, con. II, Moore tp

Location: 3,150 ft. S., 100 ft. W.
Elevation: 622+6 ft.
Driller: Union Rotary Corp
Completed: Oct. 15, 1953.
Rock pressure: 990 lb.
Result: producing gas well.

Formation	Depth ft.
Surface	125
Black shale	268
Hamilton	530
Brown lime	930
Sharp sand	1,110
Brown lime	1,200
Brown and grey lime	1,260
Brown and blue lime	1,470
Blue lime, shale, and gypsum	1,600
Salt	1,729
Brown lime	1,789
Blue lime and shale	1,810
Gypsum	1,821
Brown lime	2,228
Gypsum and lime	2,348
Grey shale	2,360

Gas at 1,822–2,155 ft.
Show of oil at 2,155–98 ft.
Salt water at 2,155–98 ft.

UNION GAS CO. OF CANADA, LTD.—MOORE No. 8

B. Bradley and Lambton Loan and Investment Co. No. 1, lot 8, con. I, Moore tp.

Location: 637 ft. S., 530 ft. W.
Elevation: 622 ft.
Driller: Kiser Drilling Co.
Completed: July 29, 1953.
Result: dry hole.

Formation	Depth ft.
Surface	110
Brown shale	240
Hamilton	485
Grey and brown lime	990
Sharp lime	1,110
Brown lime	1,230
Blue and brown lime	1,568
Salt	1,810
Brown lime	1,880
Blue lime	1,960
Salt	2,045
Brown lime	2,166
Grey lime	2,290
Grey shale	2,292

Sulphur water at 610 and 630 ft.; salt water at 2,274 ft.

UNION GAS CO. Moore 7

J. Rattray #2 lot 1. Con IV

75'N 75'W. Elev. 636

Comp Apr 9th 53 Dry Hole

Surface	72	72
Black shale	149	149
Hamilton		503
Brown lime		1038
Sharp lime		1201
Brown lime		1329
Brown Blue ls. & gyp.		1355
Brown grey & blue ls.		1728
Lime & salt		1818
Brown lime		1862
Blue Brown & grey ls.		1946
Cabot shale		2037
Brown lime		2157
do and gyp		2163
Brown ls		2193
Grey ls		2281
Blue shale		2285

Show of gas 1815 – 25

Salty Water	Sulphur	Salty Water
69	690	1856
		2175

UNION GAS Co Moore 9

NE Nye #1 lot 8 Con II Moore

800'N 830'W Elev. 622+2

Comp Dec 3rd 53. Dry Hole

Surface	145
Brown shale	275
Hamilton	558
Brown lime	1210
Sharp lime	1405
Brown lime	1582
Grey blue & brown lime	1915
Lime & gyp	1921
Brown lime	1961
Dark grey & brown lime	2042
Lime & gyp.	2048
Brown shale	2102
Grey lime	2160
Lime & gyp	2170
Brown lime	2215
Grey lime	2315
Grey shale	2320

Show of gas and oil 2180 – 85

Sulphur water at 618 Salt water 2180

Lambton County - Continued

UNION GAS CO. OF CANADA, LTD. - No. 26 Enniskillen
M. Logan and M. Welch No. 1
Enniskillen Tp., Lot 1, Con. V.

Co-ordinates: 200' N., 490' W.
Elevation: 638' + 2'.
Driller: Kiser Drilling Co.
Completed: August 13, 1954.
Result: Producing gas well.
Reported flow: 345.6 M.C.F./day; W.H.P. 854 lbs.

Formation	Thickness feet	Depth feet
Surface	78	78
Black shale	112	190
Hamilton	240	430
Brown lime	418	848
Sharp lime	182	1,030
Brown lime	80	1,110
Blue and brown lime	386	1,496
Salt	270	1,766
Brown lime	54	1,820
Grey lime	84	1,904
Salt	76	1,980
Brown lime	36	2,016
Dark grey lime	90	2,106
Lime and gypsum	6	2,112
Brown lime	76	2,188
Grey lime	67	2,255
Blue-grey shale	5	2,260

Water	Gas
Fresh at 78'	At 2,147' to 2,188'
Sulphur at 572' and 578'	

UNION GAS CO. OF CANADA, LTD. - No. 27 Enniskillen
H. Font No. 1
Enniskillen Tp., Lot 1, Con. VIII.

Co-ordinates: 350' S., 550' E.
Elevation: 644' + 2'.
Driller: Kiser Drilling Co.
Completed: September 23, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	103	103
Black shale	17	120
Hamilton	258	378
Brown lime, grey lime	438	816
Sharp lime	184	1,000
Brown lime	96	1,096
Blue and brown lime	210	1,306
Salt and lime	42	1,348
Blue and brown lime	318	1,666
Salt	204	1,870
Brown lime	54	1,924
Blue and grey lime	66	1,990
Grey and brown lime	12	2,002
Brown lime	78	2,080
Dark grey lime	36	2,116
Brown lime	48	2,164
Grey lime	12	2,176
Brown lime	49	2,225

Water
Fresh at 100'
Sulphur at 514'
Salt at 2,152'

UNION GAS CO. OF CANADA, LTD. - No. 28 Enniskillen
H. Font No. 2
Enniskillen Tp., Lot 1, Con. VIII.

Co-ordinates: 1425' S., 900' E.
Elevation: 640' + 2'.
Driller: Kiser Drilling Co.
Completed: October 28, 1954.
Result: Producing gas well.
Reported flow: 14,838 M.C.F./day; W.H.P. 766 lbs.

Formation	Thickness feet	Depth feet
Surface	89	89
Kettle Point	20	109
Hamilton	260	369
Brown lime	429	798
Sharp lime	180	978
Brown lime	106	1,084
Blue, brown and grey lime	202	1,286
Salt and lime	54	1,340
Grey and brown lime	90	1,430
Salt and lime	47	1,477
Blue and grey lime	141	1,618
Salt	120	1,738
Brown lime	54	1,792
Grey lime	84	1,876
Brown lime	42	1,918
Lime and gypsum	6	1,924
Brown lime	111	2,035

Water	Gas
Sulphur at 500' to 510' and 575' to 579'	At 876' to 882' 1,900' to 1,906' 1,996' to 2,035'

WILSON-SULLIVAN DEVELOPMENT CO. - No. 62
E. Kells No. 1
Enniskillen Tp., Lot 5, Con. XIV.

Co-ordinates: 1820' S., 90' E. c/l.
Elevation: 697' + 1'.
Driller: Demaray and Nichols.
Completed: July 24, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	172	172
Top rock	66	238
Soap	119	357
Middle lime	13	370
Lower soap	52	422
Brown lime	212	634
Lime and gypsum	15	649
Buff lime	20	669
Brown lime	20	689
Gypsum and lime	2	691

Water	Oil
Fresh at 90', 118', 155' and 172'	Trace at 555'
Sulphur at 555' to 561' and 685'	

Lambton County - Continued

EDWIN R. McGAFFEY - No. 5
O. Rolstone No. 1
Euphemia Tp., Lot 17, Con. V.

Co-ordinates: 150' N., 350' W.
Elevation:
Driller: E. McGaffey.
Completed: December 15, 1954.
Result: Producing oil well.
Reported flow: 1 bbl./day.

Formation	Thickness feet	Depth feet
Log to lower lime	252	252
Lower lime	103	355

Water	Oil
Salty at 354' to 356'	At 306' to 314'

NOTE: This is a "deepening" and not tabulated as a well drilled; drilled first in May, 1953.

EDWIN R. McGAFFEY - No. 7
O. Rolstone No. 2
Euphemia Tp., Lot 17, Con. V.

Co-ordinates: 320' N. of c/l., 600' W. of c/l.
Elevation: 635' + 1'.
Driller: E. McGaffey.
Completed: August 10, 1954.
Result: Producing oil well.
Reported flow: 1 bbl./day.

Formation	Thickness feet	Depth feet
Surface	172	172
Hamilton	66	238
Brown lime	117	355
Watersand	5	360

Water	Oil
Fresh at 123' and 172'	At 277' to 279'
Salty at 355' to 360'	309' to 315'

Moore

Union Imperial #32
O Campbell #2 lot 9 Con II
350' S 75' E Elev 624+2
Comp Oct 24th 54 Dry Hole

Surface	112	112
Kettle Point	136	248
Hamilton	256	504
Brown lime	409	913
Sharp lime	195	1108
Brown lime	90	1198
Lime & gypsum	374	1572
Salt & lime	248	1820
Brown lime	144	1964
Salt & lime	86	2070
Brown lime	120	2190
Lime & gypsum	28	[illegible]
Brown lime	56	2234
Grey lime	63	2287
[illegible]	6	2293

IMPERIAL OIL LTD. - No. 420; Colinville No. 11
A. White No. 3
Moore Tp., Lot 17, Con. VIII.

Co-ordinates: 2525' S., 400' W.
Elevation: 650' + 2'.
Driller: W. R. McMaster and Sons.
Completed: April 21, 1954.
Result: Producing gas well.
Reported flow: 1.4 M.M.C.F./day; W.H.P. 760 lbs.

Formation	Thickness feet	Depth feet
Surface	143	143
Black shale	94	237
Hamilton	256	493
Brown lime	407	900
Sharp sand	210	1,110
Brown lime	91	1,201
Brown lime and gypsum	202	1,403
Salt	53	1,456
Blue lime and gypsum	41	1,497
Salt	47	1,544
Blue and brown lime	92	1,636
Salt	30	1,666
Brown lime and gypsum	78	1,744
Salt	244	1,988
Brown lime	112	2,100
Brown lime and shale	49	2,149
Salt	25	2,174
Brown lime	20	2,194

Water	Gas
Fresh at 138' to 143'	At 2,184' to 2,194 feet

IMPERIAL OIL LTD. - No. 426
J. Sipkins No. 1
Moore Tp., Lot 18, Con. X.

Co-ordinates: 150' N., 900' E.
Elevation: 652' + 2'.
Driller: R. McPherson.
Completed: March 12, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	140	140
Black shale	65	205
Hamilton	280	485
Brown lime	385	870
Sharp sand	180	1,050
Brown lime	114	1,164
Brown and blue lime	179	1,343
Salt	69	1,412
Grey shale and lime	36	1,448
Salt	10	1,458
Brown lime	10	1,468
Salt	26	1,494
Grey shale	35	1,529
Salt	26	1,555
Brown lime	10	1,565
Salt	23	1,588
Brown and grey lime	98	1,686
Salt	10	1,696
Grey shale and brown lime	89	1,785
Salt	308	2,093
Brown lime	157	2,250
Grey lime	3	2,253
Salt	108	2,361
Brown lime	79	2,440
Grey lime	40	2,480
Brown lime	60	2,540
Grey lime	45	2,585
Grey shale	6	2,591

Water	Oil
Fresh at 139'	Show at 2,361' to 2,380'
Sulphur at 570' to 580'	

Water	Gas	Oil
Fresh 110	Showed	Showed
Sulphur 623-663	2168-2171	2168-2171

Lambton County - Continued

IMPERIAL OIL LTD. - No. 429
V. Tracy No. 2
Moore Tp., Lot 24, Con. I.

Co-ordinates: 2200' S., 100' E.
Elevation: 613' + 2'.
Driller: English and Mullin.
Completed: March 18, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	150	150
Black shale	265	415
Hamilton	245	660
Brown lime	150	810
Brown and grey lime	240	1,050
Sharp lime	174	1,224
Brown lime	176	1,400
Brown and grey lime and gypsum	180	1,580
Brown lime	33	1,613
Salt	12	1,625
Grey lime	15	1,640
Salt	8	1,648
Brown lime and gypsum	66	1,714
Salt	288	2,002
Brown lime	98	2,100
Grey lime	45	2,145
Salt	94	2,239
Brown lime	91	2,330
Grey lime (dark)	50	2,380
Brown lime	55	2,435
Grey lime	58	2,493
Grey shale	5	2,498

Water
Sulphur at 776'

IMPERIAL OIL LTD. - No. 430; Colinville No. 12
C. Iden No. 3
Moore Tp., Lot 17, Con. VIII.

Co-ordinates: 1500' N., 600' E.
Elevation: 648' + 6'.
Driller: Union Rotary Corporation.
Completed: February 28, 1954.
Result: Producing gas well.
Reported flow: 510 M.C.F./day; W.H.P. 692 lbs.

Formation	Thickness feet	Depth feet
Surface	140	140
Black shale	100	240
Hamilton	265	505
Brown lime	355	860
Sharp sand	250	1,110
Brown lime	130	1,240
Brown and blue lime	80	1,320
Blue lime and gypsum	85	1,405
Salt	5	1,410
Blue lime and gypsum	20	1,430
Salt	15	1,445
Brown lime and gypsum	45	1,490
Salt	50	1,540
Blue and brown lime and gypsum	135	1,675
Salt	17	1,692
Blue lime and gypsum	38	1,730
Brown lime and gypsum	30	1,760
Salt	156	1,916
Brown lime	64	1,980
Blue lime and shale	31	2,011
Gypsum	23	2,034
Brown lime	390	2,424

Water	Gas	Oil
Salt at 2,401' to 2,419'	At 2,034' to 2,369'	Trace at 2,369' to 2,399'

IMPERIAL OIL LTD. - No. 437
N. Selman No. 1
Moore Tp., Lot 27, Con. V.

Co-ordinates: 1845' N., 55' E.
Elevation: 624' + 2'.
Driller: English and Mullin.
Completed: May 21, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	150	150
Grey shale	150	300
Black shale	200	500
Hamilton	255	755
Brown lime	187	942
Brown lime and gypsum	183	1,125
Sharp sand	214	1,339
Brown lime	81	1,420
Grey, brown lime and shale	420	1,840
Salt	26	1,866
Brown lime	7	1,873
Salt	274	2,147
Brown lime	133	2,280
Grey shale and lime	38	2,318
Salt	85	2,403
Brown lime	97	2,500
Grey shale and lime	55	2,555
Brown lime	45	2,600
Grey lime	60	2,660
Grey shale	8	2,668

Water
Fresh at 140'
Sulphur at 844'

IMPERIAL OIL LTD. - No. 438
E. J. White No. 3
Moore Tp., Lot 14, Con. IX.

Co-ordinates: 800' N., 100' W.
Elevation: 653' + 2'.
Driller: R. McPherson.
Completed: May 4, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	134	134
Black shale	65	199
Hamilton	256	455
Brown lime and gypsum	395	850
Sharp sand	216	1,066
Brown lime	110	1,176
Brown and blue lime and gypsum	196	1,372
Salt	55	1,427
Brown lime	26	1,453
Salt	29	1,482
Grey shale	16	1,498
Salt	24	1,522
Brown lime and gypsum	92	1,614
Salt	6	1,620
Brown lime	113	1,733
Salt	15	1,748
Grey shale and lime	2	1,750
Salt	265	2,015
Brown lime	85	2,100
Grey lime and shale	70	2,170
Salt	88	2,258
Brown lime	107	2,365
Grey lime and shale	46	2,411
Brown lime	49	2,460
Grey lime	48	2,508
Grey shale	13	2,521

Water	Oil
Fresh at 131'	Show at 2,411'
Sulphur at 530' and 620'	

Lambton County - Continued

IMPERIAL OIL LTD. - No. 447
V. Young No. 1
Moore Tp., Lot 13, Con. III.

Co-ordinates: 2000' N., 330' E.
Elevation: 620' + 2'.
Driller: R. McMaster and Sons.
Completed: June 16, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	130	130
Black shale	210	340
Hamilton	275	615
Brown lime	210	825
Brown lime and gypsum	245	1,070
Sharp sand	155	1,225
Brown lime	125	1,350
Brown and grey lime and gypsum	367	1,717
Salt	223	1,940
Brown lime	60	2,000
Grey lime and gypsum	80	2,080
Salt	80	2,160
Brown lime	120	2,280
Brown lime and gypsum	20	2,300
Brown lime	30	2,330
Grey lime	55	2,385
Grey shale	10	2,395

Water: Fresh at 118'; Sulphur at 730' to 740'
Gas: Show at 2,163' to 2,166'

IMPERIAL OIL LTD. - No. 448
R. McKellar No. 1
Moore Tp., Lot 17, Con. IX.

Co-ordinates: 200' S., 750' E.
Elevation: 654' + 2'.
Driller: R. McPherson.
Completed: June 24, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	139	139
Black shale	57	196
Hamilton	269	465
Brown lime	145	610
Brown lime and gypsum	190	800
Sharp sand	230	1,030
Brown lime	200	1,230
Brown and grey lime and gypsum	75	1,305
Salt and lime	156	1,461
Blue shale and gypsum	46	1,507
Salt and gypsum	68	1,575
Brown lime and gypsum	92	1,667
Salt	36	1,703
Blue and grey lime and shale	89	1,792
Salt	281	2,073
Brown and grey lime	162	2,235
Salt	105	2,340
Brown lime	130	2,470
Brown lime and gypsum	20	2,490
Brown lime	30	2,520
Grey lime	55	2,575
Grey shale	8	2,583

Water: Sulphur at 555'
Oil: Show at 490' to 500'

IMPERIAL OIL LTD. - No. 458
J. McFerran No. 1
Moore Tp., Lot 22, Con. IV.

Co-ordinates: 1900' S., 900' E.
Elevation: 623' + 2'.
Driller: R. McMaster and Sons.
Completed: July 30, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	150	150
Grey sandy shale	50	200
Black shale	250	450
Hamilton	245	695
Brown lime	145	840
Grey and brown lime	160	1,000
Sharp lime	265	1,265
Brown lime	135	1,400
Brown and grey lime and gypsum	251	1,651
Salt	11	1,662
Grey shale and gypsum	91	1,753
Salt	292	2,045
Brown lime	55	2,100
Grey lime	95	2,195
Salt	90	2,285
Brown lime	105	2,390
Grey lime and gypsum	35	2,425
Brown lime	35	2,460
Grey lime	65	2,525
Grey shale	6	2,531

Water: Fresh at 150'; Sulphur at 812'
Gas: Show at 260'

IMPERIAL OIL LTD. - No. 462
I. March No. 1
Moore Tp., Lot 11, Con. VII.

Co-ordinates: 500' N., 600' W.
Elevation: 628' + 2'.
Driller: R. McPherson.
Completed: August 14, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	120	120
Black shale	75	195
Hamilton	265	460
Brown and grey lime	390	850
Sharp lime	195	1,045
Brown lime	155	1,200
Brown and grey lime and gypsum	159	1,359
Salt	61	1,420
Brown lime and gypsum	87	1,507
Salt	37	1,544
Grey lime and shale and gypsum	66	1,610
Salt	44	1,654
Grey lime and gypsum	16	1,670
Salt	245	1,915
Brown lime	85	2,000
Grey lime	55	2,055
Salt	95	2,150
Brown lime	100	2,250
Grey lime and gypsum	45	2,295
Brown lime	55	2,350
Grey lime	45	2,395
Grey shale	5	2,400

Water: Fresh at 121'; Sulphur at 575'

Lambton County - Continued

IMPERIAL OIL LTD. - No. 463
E. White No. 4
Moore Tp., Lot 14, Con. IX.

Co-ordinates: 200' S., 900' W.
Elevation: 656' + 2'.
Driller: R. McPherson.
Completed: August 23, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	143	143
Black shale	57	200
Hamilton	275	475
Brown lime	135	610
Brown lime and grey lime	210	820
Sharp lime	205	1,025
Brown lime	115	1,140
Brown and grey lime and gypsum	185	1,325
Salt	23	1,348
Brown lime	11	1,359
Salt	31	1,390
Grey lime and gypsum	38	1,428
Salt	54	1,482
Grey shale	36	1,518
Salt	62	1,580
Grey, brown lime and gypsum	92	1,672
Salt	35	1,707
Grey lime and shale and gypsum	100	1,807
Salt	33	1,840
Brown lime	13	1,853
Salt	212	2,065
Brown lime	105	2,170
Grey lime	50	2,220
Salt	120	2,340
Brown lime	90	2,430
Grey lime	45	2,475
Brown lime	25	2,500
Grey lime	75	2,575
Grey shale	7	2,582

Water
Sulphur at 598' to 609'

Oil
Trace at 2,475'

IMPERIAL OIL LTD. - No. 466; Payne No. 9
W. Harkness No. 1
Moore Tp., Lot 21, Con. VII.

Co-ordinates: 1100' N., 50' W.
Elevation: 636' + 2'.
Driller: Stubble and Stubble.
Completed: September 2, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	140	140
Black shale	100	240
Hamilton	260	500
Brown lime	100	600
Brown and grey lime	310	910
Sharp lime	210	1,120
Brown lime	100	1,220
Brown and grey lime and gypsum	207	1,427
Salt	54	1,481
Brown lime and gypsum	84	1,565
Salt	37	1,602
Grey lime and shale and gypsum	78	1,680
Salt	35	1,715
Brown lime and gypsum	12	1,727
Salt	228	1,955
Brown lime	95	2,050
Grey lime	60	2,110
Salt	80	2,190
Brown lime	70	2,260
Grey lime and gypsum	80	2,340
Brown lime	60	2,400
Grey lime	60	2,460
Grey shale	5	2,465

Water
Fresh at 135'
Sulphur at 614'
Salt at 1,393' to 1,402'

IMPERIAL OIL LTD. - No. 468
E. Jeffrey No. 1
Moore Tp., Lot 12, Con. IV.

Co-ordinates: 710' N., 1,020' W.
Elevation: 626' + 2'.
Driller: R. McMaster and Sons.
Completed: September 22, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	155	155
Black shale	70	225
Hamilton	265	490
Brown lime	160	650
Brown lime and grey lime	180	830
Sharp lime	260	1,090
Brown lime	110	1,200
Brown and grey lime and gypsum	280	1,480
Salt	16	1,496
Grey lime, shale and gypsum	84	1,580
Salt	38	1,618
Brown lime and gypsum	18	1,636
Salt	214	1,850
Brown lime	110	1,960
Grey lime and gypsum	55	2,015
Salt	85	2,100
Brown lime	100	2,200
Grey lime and gypsum	40	2,240
Brown lime	40	2,280
Grey lime	55	2,335
Grey shale	10	2,345

Water
Sulphur at 612'

Lambton County - Continued

IMPERIAL OIL LTD. - No. 472
J. Sipkins and A. Samons No. 2
Moore Tp., Lot 18, Con. X.

Co-ordinates: 1650' N., 930' E.
Elevation: 653' + 2'.
Driller: R. McPherson.
Completed: September 30, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	138	138
Black shale	60	198
Hamilton	282	480
Brown lime	115	595
Brown lime and grey lime	225	820
Sharp lime	220	1,040
Brown lime	190	1,230
Grey, brown lime and gypsum	115	1,345
Salt	85	1,430
Grey lime and gypsum	34	1,464
Salt	56	1,520
Brown lime and gypsum	45	1,565
Salt	50	1,615
Grey lime and brown lime	95	1,710
Salt	30	1,740
Grey shale and lime	70	1,810
Salt	35	1,845
Brown lime	20	1,865
Salt	250	2,115
Brown lime	85	2,200
Grey lime and shale	65	2,265
Salt	100	2,365
Brown lime	70	2,435
Grey lime and gypsum	70	2,505
Brown lime	45	2,550
Grey lime	55	2,605
Grey shale	10	2,615

Water	Oil	Gas
Salt at 2,395' to 2,403'	Show at 660' to 670'	Show at
Sulphur at 595'	and 2,385' to 2,395'	134'

IMPERIAL OIL LTD. - No. 474
I. Abra No. 1
Moore Tp., Lot 13, Con. X.

Co-ordinates: 200' S., 900' E.
Elevation: 658' + 2'.
Driller: R. McPherson.
Completed: September 29, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	148	148
Black shale	62	210
Hamilton	275	485
Brown lime	115	600
Brown lime and grey lime	250	850
Sharp lime	225	1,075
Brown lime	155	1,230
Brown, grey lime and gypsum	115	1,345
Salt	40	1,385
Brown lime	10	1,395
Salt	15	1,410
Grey lime and brown lime	25	1,435
Salt	60	1,495
Grey lime and gypsum	40	1,535
Salt	30	1,565
Brown lime and gypsum	10	1,575
Salt	15	1,590
Brown and grey lime and gypsum	100	1,690
Salt	35	1,725
Grey lime and shale and gypsum	90	1,815
Salt	280	2,095
Brown lime	105	2,200
Grey lime	45	2,245
Salt	110	2,355
Brown lime	55	2,410
Grey lime and gypsum	80	2,490
Brown lime	30	2,520
Grey lime	65	2,585
Grey shale	5	2,590

Water
Fresh at 147'
Sulphur at 590'

Lambton County - Continued

IMPERIAL OIL LTD. - No. 475
J. Miller No. 1
Moore Tp., Lot 15, Con. VII.

Co-ordinates: 1700' S., 950' E.
Elevation: 635' + 2'.
Driller: R. McPherson.
Completed: October 1, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	134	134
Black shale	76	210
Hamilton	270	480
Brown lime	120	600
Brown and grey lime	200	800
Sharp lime	270	1,070
Brown lime	120	1,190
Brown, grey lime and gypsum	170	1,360
Salt	25	1,385
Grey lime and gypsum	25	1,410
Salt	55	1,465
Brown and grey lime and gypsum	95	1,560
Salt	40	1,600
Grey lime, shale and gypsum	80	1,680
Salt	280	1,960
Brown lime	90	2,050
Grey lime	60	2,110
Salt	110	2,220
Brown lime	40	2,260
Grey lime and gypsum	90	2,350
Brown lime	40	2,390
Grey lime	65	2,455
Grey shale	5	2,460

Water	Gas	Oil
Fresh at 134'	Show at 2,236'	Show at 2,239'
Sulphur at 602' to 616'	to 2,239'	

IMPERIAL OIL LTD. - No. 478; Payne No. 10
K. MacDonald No. 1
Moore Tp., Lot 22, Con. VI.

Co-ordinates: 800' S., 100' W.
Elevation: 633' + 2'.
Driller: Stubble and Stubble.
Completed: November 12, 1954.
Result: Producing gas well.
Reported flow: 5,200 M.C.F./day; W.H.P. 673 lbs.

Formation	Thickness feet	Depth feet
Surface	132	132
Black shale	108	240
Hamilton	255	495
Brown lime	105	600
Brown lime and grey lime	300	900
Sharp lime	210	1,110
Brown lime	100	1,210
Grey, brown lime and gypsum	205	1,415
Salt	65	1,480
Brown, grey lime and gypsum	80	1,560
Salt	15	1,575
Grey lime and shale and gypsum	90	1,665
Salt	285	1,950
Brown lime	30	1,980
Grey lime	125	2,105
Salt	65	2,170
Brown lime	9	2,179

Water	Gas	Oil
Fresh at 130'	At 2,169' to 2,179'	At 505'
Sulphur at 615'		to 510'

IMPERIAL OIL LTD. - No. 484
V. Robbins No. 1
Moore Tp., Lot 23, Con. VIII.

Co-ordinates: 200' N., 100' E.
Elevation: 644' + 2'.
Driller: W. McKillop and Son.
Completed: November 11, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	137	137
Black shale	153	290
Hamilton	260	550
Brown lime	150	700
Brown lime and grey lime	140	840
Sharp lime	310	1,150
Brown lime	80	1,230
Brown, grey lime and gypsum	195	1,425
Salt	10	1,435
Brown lime	15	1,450
Salt	20	1,470
Grey lime and shale	20	1,490
Salt	70	1,560
Brown and grey lime	75	1,635
Salt	45	1,680
Grey lime and shale and gypsum	80	1,760
Salt	290	2,050
Brown lime	110	2,160
Brown and grey lime	55	2,215
Salt	85	2,300
Brown lime	100	2,400
Grey and brown lime	70	2,470
Brown lime	30	2,500
Grey lime	50	2,550
Grey shale	6	2,556

Water
Sulphur at 604' to 608'

IMPERIAL OIL LTD. - No. 485
R. Fisher and W. McKinnon No. 1
Moore Tp., Lot 23, Con. V.

Co-ordinates: 1500' N., 1200' E.
Elevation: 625' + 2'.
Driller: R. McMaster and Sons.
Completed: November 18, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	161	161
Grey sandy shale	174	335
Black shale	155	490
Hamilton	240	730
Brown lime	120	850
Brown lime and grey lime	220	1,070
Sharp lime	230	1,300
Brown lime	100	1,400
Brown, grey lime and gypsum	280	1,680
Salt	10	1,690
Grey shale and gypsum	155	1,845
Salt	255	2,100
Brown lime	150	2,250
Grey lime and shale	5	2,255
Salt	55	2,310
Brown lime	60	2,370
Grey lime and shale	70	2,440
Brown lime	50	2,490
Grey lime	65	2,555
Grey shale	9	2,564

Water
Sulphur at 810'
Salt at 2,410' to 2,418'

Lambton County - Continued

IMPERIAL OIL LTD. - No. 486
R. Fleck No. 1
Moore Tp., Lot 15, Con. X.

Co-ordinates: 200' S., 700' E.
Elevation: 654' + 2'.
Driller: R. McPherson.
Completed: November 11, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	145	145
Black shale	70	215
Hamilton	275	490
Brown lime	160	650
Brown lime and grey lime	170	820
Sharp lime	255	1,075
Brown lime	135	1,210
Brown and grey lime and gypsum	150	1,360
Salt	50	1,410
Grey lime	20	1,430
Salt - impure	80	1,510
Brown lime and gypsum	35	1,545
Salt	65	1,610
Brown and grey lime	75	1,685
Salt	50	1,735
Grey lime and shale	75	1,810
Salt	285	2,095
Brown lime	65	2,160
Brown and grey lime and shale	85	2,245
Salt	110	2,355
Brown lime	45	2,400
Brown and grey lime and shale	95	2,495
Brown lime	35	2,530
Grey lime	65	2,595
Grey shale	13	2,608

Water: Sulphur at 602'
Oil: Show at 652' to 662'

IMPERIAL OIL LTD. - No. 487
J. Brown No. 1
Moore Tp., Lot 19, Con. IX.

Co-ordinates: 1500' N., 900' W.
Elevation: 651' + 2'.
Driller: R. McPherson.
Completed: November 15, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	150	150
Black shale	105	255
Hamilton	270	525
Brown lime	125	650
Brown and grey lime	220	870
Sharp lime	270	1,140
Brown lime	130	1,270
Brown and grey lime and gypsum	170	1,440
Salt	45	1,485
Grey lime	40	1,525
Salt	55	1,580
Grey lime and gypsum	80	1,660
Salt - impure	40	1,700
Grey shale and lime	80	1,780
Salt	290	2,070
Brown lime	30	2,100
Brown, grey lime and shale	125	2,225
Salt	110	2,335
Brown lime	50	2,385
Brown and grey lime and shale	75	2,460
Brown lime	40	2,500
Grey lime	65	2,565
Grey shale	18	2,583

Water: Fresh at 147'; Sulphur at 635'
Gas: Show at 147'
Oil: Show at 2,460'

IMPERIAL OIL LTD. - No. 489; Mooretown No. 2
K. MacDonald No. 2
Moore Tp., Lot 22, Con. VI.

Co-ordinates: 870' S., 100' W.
Elevation: 633' + 1'.
Driller: Earl and Lather.
Completed: October 27, 1954.
Result: Producing oil well.
Reported flow: 2 bbls./day.

Formation	Thickness feet	Depth feet
Surface	131	131
Black shale	114	245
Hamilton	250	495
Brown lime	77	572

Water: Fresh at 131'; Sulphur at 551' to 556'
Oil: At 556' to 572'

Lambton County - Continued

IMPERIAL OIL LTD. - No. 491
J. Hackney No. 2
Moore Tp., Lot 27, Con. VIII.

Co-ordinates: 925' S., 250' E.
Elevation: 621' + 2'.
Driller: C. M. Carter.
Completed: December 24, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	142	142
Black shale	143	285
Hamilton	265	550
Brown lime	150	700
Brown lime and grey lime	250	950
Sharp lime	200	1,150
Brown lime	150	1,300
Grey and brown lime and gypsum	126	1,426
Salt	46	1,472
Grey lime and gypsum	28	1,500
Salt	35	1,535
Brown lime	10	1,545
Salt	20	1,565
Grey, brown lime and gypsum	91	1,656
Salt	37	1,693
Grey shale and lime	91	1,784
Salt	276	2,060
Brown lime	60	2,120
Brown, grey lime and shale	99	2,219
Salt	106	2,325
Brown lime	50	2,375
Grey lime and shale	80	2,455
Brown lime	55	2,510
Grey lime	60	2,570
Grey shale	15	2,585
Brown lime	1	2,586
Red and green shale	14	2,600

Water: Fresh at 125'; Sulphur at 671' and 1,230'
Gas: Show at 2,484'

IMPERIAL OIL LTD. - No. 493
F. Martin No. 1
Moore Tp., Lot 8, Con. VIII.

Co-ordinates: 1500' S., 500' E.
Elevation: 640' + 2'.
Driller: Stubble and Stubble.
Completed: December 31, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	120	120
Black shale	56	176
Hamilton	269	445
Brown lime	155	600
Brown and grey lime	230	830
Sharp sand	200	1,030
Brown lime	170	1,200
Brown and grey lime and gypsum	115	1,315
Salt	43	1,358
Grey lime and gypsum	34	1,392
Salt	56	1,448
Brown lime	88	1,536
Salt	46	1,582
Grey shale and gypsum	91	1,673
Salt	271	1,944
Brown lime	56	2,000
Grey and brown lime	83	2,083
Salt	97	2,180
Brown lime	60	2,240
Brown and grey lime	95	2,335
Brown lime	55	2,390
Grey lime	42	2,432
Grey shale	2	2,434

Water: Fresh at 118'; Sulphur at 562'
Oil: Trace at 2,349'
Gas: Show at 2,349'

IMPERIAL-UNION - No. 25
H. Williams No. 2
Moore Tp., Lot 10, Con. II.

Co-ordinates: 2200' N., 500' W.
Elevation: Cable 617' + 2'; Rotary 617' + 6'.
Driller: Stubble and Stubble.
Completed: May 19, 1954.
Result: Producing gas well.
Reported flow: 30 M. M.C.F./day; W.H.P. 984 lbs.

Formation	Thickness feet	Depth feet
Surface	135	135
Black shale	149	284
Hamilton	254	538
Brown lime and gypsum	397	935
Sharp sand	195	1,130
Brown lime	100	1,230
Blue and brown lime and gypsum	110	1,340
Blue and brown lime	243	1,583
Salt	164	1,747
Brown lime	96	1,843
Gypsum	20	1,863
Brown lime	337	2,200
Grey lime	140	2,340
Rochester	41	2,381
Clinton	10	2,391
Queenston	139	2,530
Red shale	250	2,780
Black shale	388	3,168
Trenton	952	4,120
Basal	15	4,135
Pre-Cambrian	7	4,142

Water: Nil
Oil: Show at 2,152' to 2,167'
Gas: At 1,863' to 2,125'

Lambton County - Continued

IMPERIAL-UNION - No. 29
H. Williams No. 1
Moore Tp., Lot 10, Con. II.

Co-ordinates: 600' S., 900' E.
Elevation: 594' + 2'.
Driller: Stubble and Stubble.
Completed: June 8, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	110	110
Black shale	130	240
Grey lime and shale	255	495
Brown lime	125	620
Brown lime with grey streak	180	800
Sharp sand	300	1,100
Brown lime	100	1,200
Brown and grey lime and gypsum	285	1,485
Salt	30	1,515
Grey lime	60	1,575
Salt	245	1,820
Brown lime	80	1,900
Grey lime and shale	60	1,960
Salt	65	2,025
Brown lime	75	2,100
Grey lime	75	2,175
Brown lime	25	2,200
Grey lime	100	2,300
Grey shale	2	2,302

Water
Fresh at 50'
Sulphur at 600'
Salt at 2,173' to 2,187'

Oil
Show at 2,023'

IMPERIAL-UNION - No. 31
H. Williams No. 4
Moore Tp., Lot 10, Con. II.

Co-ordinates: 2200' N., 690' E.
Elevation: 620' + 2'.
Driller: Stubble and Stubble.
Completed: July 16, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	143	143
Black shale	152	295
Hamilton	255	550
Brown lime	140	690
Brown lime and grey lime	260	950
Sharp lime	200	1,150
Brown lime	150	1,300
Brown and grey lime and gypsum	220	1,520
Grey shale and gypsum	103	1,623
Salt	20	1,643
Brown and grey lime	32	1,675
Salt	165	1,840
Brown lime	110	1,950
Grey lime	50	2,000
Salt	70	2,070
Brown lime	100	2,170
Grey lime and gypsum	45	2,215
Brown lime	65	2,280
Grey lime	45	2,325
Grey shale	5	2,330

Water
Fresh at 137'
Sulphur at 659'
Salt at 2,233' to 2,246'

K. TYE - No. 1
K. Tye No. 1
Moore Tp., Lot 10, Con. IV.

Co-ordinates: 1450' N., 350' E.
Elevation: 637' + 2'.
Driller: R. McPherson.
Completed: February 3, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	116	116
Huron	66	182
Hamilton	281	463
Dundee	97	560
Detroit River	470	1,030
Bass Island	113	1,14[illegible]
Salina	1,059	2,202
A-2 at 1,825 A-1 at 2,061		
Guelph	98	2,300
Rochester	45	2,345
Clinton	8	2,353
Medina	4	2,357

Water
Sulphur at 485'

Oil
Show at 475', 610' and 2,345'

UNION GAS CO. OF CANADA, LTD. - No. 29 Enniskillen
D. V. L. A. No. 1
Moore Tp., Lot 1, Con. VIII.

Co-ordinates: 2216' S., 570' W.
Elevation: 647' + 2'.
Driller: Kiser Drilling Co.
Completed: December 9, 1954.
Result: Dry hole.

Formation	Thickness feet	Dep[illegible] feet
Surface	96	96
Huron	10	106
Hamilton	277	383
Dundee	90	473
Detroit River	499	972
Chert 794 to 972		
Bass Island	78	1,0[illegible]
Salina	1,194	2,24[illegible]
Salt 1,296 to 1,344 1,452 to 1,476 1,596 to 1,836 2,004 to 2,088		
Guelph	88	2,332
Rochester	4	2,336

Water
Sulphur at 500' to 512'
and 590' to 596'

Lambton County - Continued

UNION GAS CO. OF CANADA, LTD. - No. 1 Moore
D. Campbell No. 1
Moore Tp., Lot 9, Con. II.

Co-ordinates: 1950' S., 100' E. of c/L of Rd.
Elevation: 623' + 2'.
Driller: Wayne Kiser and Son.
Completed: November 9, 1954.
Result: Producing gas well.
Reported flow: 2,112 M.C.F./day; W.H.P. 931 lbs.

Formation	Thickness feet	Depth feet
Brown lime	5	2,105
Grey lime	24	2,129
Brown lime	12	2,141
Grey lime and gypsum	14	2,155
Brown lime	12	2,167

Gas	Oil
At 2,129' to 2,141' and 2,155' to 2,167'	Show at 2,159' to 2,167'

NOTE: This is a "deepening" and not tabulated as a well drilled; drilled first in 1951.

UNION GAS CO. OF CANADA, LTD. - No. 10 Moore
A. Parker No. 1
Moore Tp., Lot 25, Con. XI.

Co-ordinates: 75' S., 75' W.
Elevation: 626' + 2'.
Driller: Kiser Drilling Co.
Completed: March 24, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	129	129
Black shale	170	299
Hamilton	288	587
Brown lime	430	1,017
Sharp lime	158	1,175
Brown lime	114	1,289
Grey, brown and blue lime	177	1,466
Salt and lime	68	1,534
Brown and blue lime	30	1,564
Salt and lime	48	1,612
Brown lime	24	1,636
Salt and lime	36	1,672
Grey and brown lime	12	1,684
Salt and lime	18	1,702
Brown and grey lime	96	1,798
Salt and lime	42	1,840
Blue and grey lime	70	1,910
Salt and lime	21	1,931
Brown lime	6	1,937
Salt	268	2,205
Brown and grey lime	162	2,367
Salt	116	2,483
Brown lime	46	2,529
Dark lime	90	2,619
Grey lime	121	2,740
Grey shale	4	2,744

Water	Gas
Fresh at 129'	Show at 2,485'
Sulphur at 723' and 730'	to 2,488' and 2,500' to 2,517'

UNION GAS CO. OF CANADA, LTD. - No. 11 Moore
M. O'Neill No. 1
Moore Tp., Lot 26, Con. XI.

Co-ordinates: 1100' S., 100' E.
Elevation: 626' + 2'.
Driller: Kiser Drilling Co.
Completed: June 24, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	136	136
Kettle Point	190	326
Hamilton	280	606
Brown lime	442	1,048
Sharp lime	142	1,190
Brown lime	115	1,305
Blue and brown lime	165	1,470
Salt and lime	42	1,512
Blue and grey lime	68	1,580
Salt	18	1,598
Brown and blue lime	54	1,652
Salt	38	1,690
Blue and grey lime	110	1,800
Salt	36	1,836
Grey and blue lime	84	1,920
Salt	12	1,932
Grey lime	30	1,962
Salt	222	2,184
Brown and grey lime	162	2,346
Salt	120	2,466
Gypsum	5	2,471
Brown lime	126	2,597
Lime and gypsum	12	2,609
Grey lime	132	2,741
Grey shale	4	2,745

Water	Gas
Fresh at 136'	Show at 2,500'
Sulphur at 720' and 746'	to 2,505'

Lambton County - Continued

UNION GAS CO. OF CANADA, LTD. - No. 12 Moore
P. Williams No. 1
Moore Tp., Lot 5, Con. II.

Co-ordinates: 1400' N., 850' W.
Elevation: 624' + 2'.
Driller: Wayne Kiser and Son.
Completed: July 23, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	84	84
Black shale	81	165
Hamilton	246	411
Brown lime	416	827
Sharp lime	167	994
Brown lime	91	1,085
Lime and gypsum	181	1,266
Grey and brown lime	115	1,381
Salt and lime	34	1,415
Lime and gypsum	83	1,498
Salt and lime	24	1,522
Lime	8	1,530
Salt	8	1,538
Lime	10	1,548
Salt and lime	214	1,762
Brown lime	58	1,820
Grey lime	80	1,900
Salt	90	1,990
Brown lime	45	2,035
Grey lime	80	2,115
Lime and gypsum	12	2,127
Brown lime	44	2,171
Grey lime	56	2,227
Blue shale	4	2,231

Water
Fresh at 79'
Sulphur at 452'
Salt at 2,171'

UNION-IMPERIAL - No. 24
H. Cole No. 1
Moore Tp., Lot 9, Con. III.

Co-ordinates: 250' N., 700' W.
Elevation: 618' + 3'.
Driller: Wayne Kiser and Son.
Completed: April 26, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	112	112
Huron shale	122	234
Hamilton	253	487
Brown lime	413	900
Sharp lime	187	1,087
Brown lime	98	1,185
Blue lime and gypsum	15	1,200
Blue and brown lime	274	1,474
Salt and lime	18	1,492
Blue and brown lime	74	1,566
Salt and lime	242	1,808
Brown and grey lime	147	1,955
Salt	77	2,032
Lime and gypsum	5	2,037
Brown lime	126	2,163
Lime and gypsum	32	2,195
Brown lime	15	2,210
Grey lime	77	2,287
Rochester	7	2,294

Water
Fresh at 112'
Sulphur at 602'

UNION-IMPERIAL - No. 28
H. Gray No. 1
Moore Tp., Lot 9, Con. II.

Co-ordinates: 1250' S., 300' W.
Elevation: 622' + 2'.
Driller: Wayne Kiser and Son.
Completed: September 6, 1954.
Result: Producing gas well.
Reported flow: 7,639 M.C.F./day; W.H.P. 939 lbs.

Formation	Thickness feet	Depth feet
Surface	118	118
Black shale	150	268
Hamilton	254	522
Brown lime	421	943
Sharp lime	172	1,115
Brown lime	95	1,210
Lime and gypsum	364	1,574
Salt and lime	176	1,750
Brown lime	86	1,836
Brown lime and gypsum	21	1,857
Brown lime	229	2,086

Water
Fresh at 110'
Sulphur at 630' and 660'

Gas
At 1,857' to 2,086'

UNION-IMPERIAL - No. 30
H. Gray No. 2
Moore Tp., Lot 9, Con. II.

Co-ordinates: 1650' N., 100' E. of c/l.
Elevation: 622' + 3'.
Driller: Wayne Kiser and Son.
Completed: October 23, 1954.
Result: Producing gas well.
Reported flow: 10,888 M.C.F./day; W.H.P. 938 lbs.

Formation	Thickness feet	Depth feet
Surface	120	120
Kettle point	171	291
Hamilton	259	550
Brown lime	434	984
Sharp lime	182	1,166
Brown lime	84	1,250
Blue and brown lime	308	1,558
Salt and lime	5	1,563
Blue and grey lime	76	1,639
Salt and lime	172	1,811
Brown lime	65	1,876
Blue and grey lime	79	1,955
Brown lime	36	1,991
Grey lime	35	2,026
Lime and gypsum	5	2,031
Brown lime	13	2,044

Water
Sulphur at 622' to 628'

Gas
At 1,972' to 1,991' and
2,031' to 2,044'

Section VII: Plympton Township

Chapter I: Lambton County

The Harkness Files
Volume IX
Lambton

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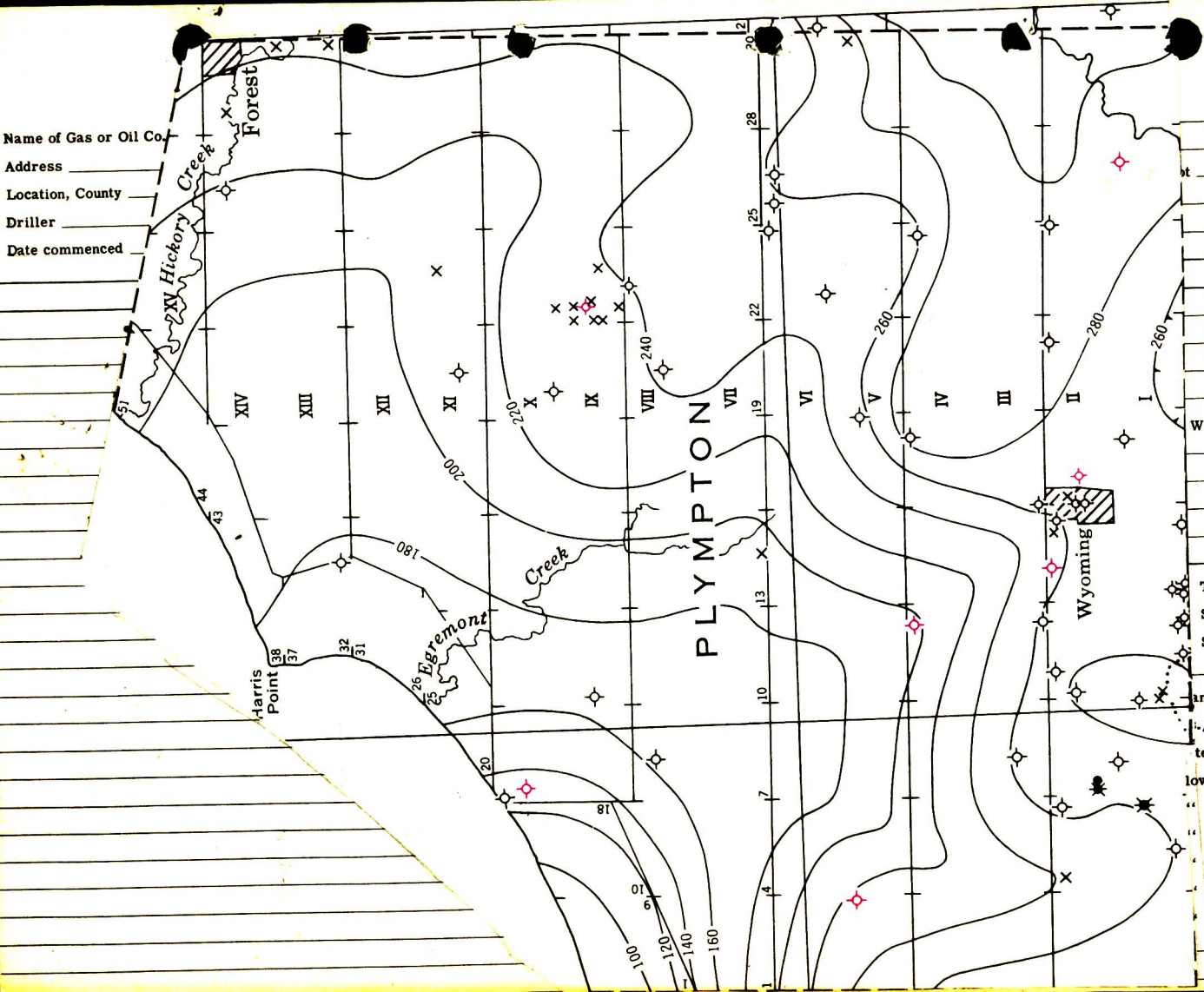

Name of Gas or Oil Co. _____

Address _____

Location, County _____

Driller _____

Date commenced _____

_____ Year _____

_____ Co. Well No. _____

_____ Pt. Lot _____

_____ Acres _____

SKETCH OF LOCATION

N.

W. E.

S.

Type Packer _____

Size _____

Set off Bottom _____ feet

_____ No. qts. or lbs. _____

_____ and _____ ft. from surface

_____ /day. Initial Gas Yield _____ M. cu. ft./day

_____ ter being shut in _____ Days

_____ low _____ cu. ft. or bbls./day

_____ " " " "

_____ " " " "

_____ " " " "

_____ " " " "

_____ " " " "

BURRAU OF MINES REPORT 1898

Plympton

The southern part of the township of Plympton has also given good results, although in these two localities the oil deposit is not quite so uniform as in the old districts of Petrolia and Enniskillen.

Gilmore transcript Feby 6th 1890
"a great gusher of natural gas has been struck at Forest"
may be surface gas

Lugs

BUREAU OF MINES REPORT 1898

Plympton

The southern part of the township of Plympton has also given good results, although in these two localities the oil deposit is not quite so uniform as in the old districts of Petrolia and Enniskillen.

G.S.C. Summary Rept PtE 1918 p. 33

The oil field in Plympton-Sarnia Dumps is little more than one mile distant from the NW Extension of the Petrolea field. The rock structure is a low anticline with an axis extending NW by W. The elevation of the oil formation is about the same as in the Moore field

The following is a typical log taken from Borings

Dei T.S.L.

N½ lot 4 Con VI Sarnia Tp

Surface	106	
Upper wash bs.	43	153
Petrolia shale	123	276
Wilder Beds	10	276
Olentangy shale	52	338
Delaware-Onondaga	132	470

Some oil at 440

"The oil field has from its first development produced a considerable quantity of gas, which, except for the small amount used in gas engines for pumping oil, or for fuel on farm buildings has been burned on flares in the vicinity of these farm buildings. Here very considerable waste of gas has been defended by the argument that oil cannot be pumped from the wells unless the gas pressure is lowered, and that the pressure of gas made the oil rich and of comparatively little value. In recent years the oil production has fallen off until it is now very small, but the waste of gas has continued. During the summer of 1918, however, the Provincial Gas Inspector Mr John Scott, has ordered the gas in that part of the field not producing oil, to be shut in; and has urged the oil operators to conserve the gas as much as possible."

The Plympton-Sarnia field has fallen into poor condition and operation is now principally carried on by farmers during slack times. In the opinion of local oil men,

a considerable production could be obtained from the field with careful efficient management."

GSC Memoir 240 Caley

Windsor Sarnia page 66

Plympton twp

"Outside the Plympton-Sarnia field at least 45 wells have been drilled. Most of these penetrated only into the Norfolk (Dundee) formation and range from 435 to 695 feet in depth. So far as is known none of these wells encountered oil or gas in commercial quantities although many had shows of gas and a few had shows of oil. A well on lot 18 Con IX Plympton is reported to have had an initial flow of 1/2 bbl oil and 20 000 cu ft of gas per day. In 1935 a well on lot 22 Con IX penetrated the Salina formation reaching a depth of 1850 feet. Shows of gas and oil were encountered in the Norfolk formation. In 1940 a well drilled on lot. 3. Con V reached the Queenston formation and a small show of gas was encountered in the Guelph formation at a depth of 2610 feet."

LAMBTON COUNTY

SOUTHWESTERN ONTARIO

WELL	TOWNSHIP	LOT	CONC.	SURF. ELEV.	TOTAL DEPTH	[illegible]			HAMILTON			DUNDEE EQUIV.			DETROIT RIVER			[illegible] S ISLAND			[illegible]	
						Top	Base	Thick.	Top	Base	Thick.	Top	Base	Thick.	Top	Base	Thick.	Top	Base	Thick.	Top	Base
Wyoming 1	Plympton	14	2	700	2589	+564	+534	30	+534	+244	290	+244	+138	106	+138	-358	496	-358	-442	84	-442	-17
" 2	"	12	4	678	2536	+563	+498	65	+498	+196	302	+196	+90	106	+90	-408	498	-408	-492	84	-492	-17
Wanstead 1	"	26	1	691	2308	+633	+555	78	+555	+286	269	+286	+169	117	+169	-313	482	-313	-412	99	-412	-15
Reece 1	"	19	8	675	1247	+592	+539	53	+539	+231	308	+231	+124	107	+124	-399	523	-399	-457	58		
" 1A	"	19	8	674	2511	+589	+539	50	+539	+235	304	+235	+114	121	+114	-379	493	-379	-476	97	-476	-17
Errol 1	"	19	LE	629	2712	+526	+466	60	+466	+153	313	+153	+28	125	+28	-519	547	-519	-614	95	-614	-19
Plympton 16:2	"	16	2	706	2481	+594	+530	64	+530	+262	268	+262	+156	106	+156	-352	508	-352	-448	96	-448	-16
Gerry 1	"	18	1	703	940	+611	+566	45	+566	+267	299	+267	+168	99	+168							
Bear 1	Enniskillen	19	13	689	~~2964~~	~~+619~~	~~+595~~	84	+535	+259	276	+259	+165	94	+165	~~-324~~	489	~~-324~~	~~-425~~	101	-425	-15
Faucher 1	Euphemia	16	6	~~655~~	~~1680~~				~~+492~~	~~+412~~	80	~~+412~~	~~+286~~	~~126~~	~~+286~~	~~-138~~	424	~~-138~~	~~-240~~	102	-240	-97

On the McKinley property, Plympton tp., Lambton County.
Drilled for Dr. Blain, Hamilton. Completed Nov. 1, 1925.
Lot 20, Con. XI.

Surface	90'	
Shale	45'	135'
Top rock	65'	200'
Upper soap	184'	384'
Middle lime	6'	390'
Lower soap	60'	450'
Big lime	126'	576'

Total depth 576'

(1895 overleaf)

Geo Surv. Canada Vol XI 1898 page 137 S.

London Road Field Plympton Twp

"The latest addition to the producing territory is a small area north of the London Road, which was opened in 1895 by Mr Fleming. The sinking of wells is being pushed very actively, but the discovery is as yet too recent to justify any prediction as to its importance."

Dept Mines Vol VIII Pt I (1898 statistics) p. 14

"The southern part of Plympton has also given good results, although in these two localities (Sarnia Plympton) the oil deposit is not quite so uniform as in the old districts of Petrolia and Enniskillen"

G.S.C. Summary Rept. Pt. E. 1918 p. 33.

"The oil field in Plympton and Sarnia twps. is little more than one mile distant from the N.W. extension of the Petrolia field. The rock structure is a low anticline with axis extending about N.W. by W. The elevation of the oil formation is about the same as in Moore twp field.

"The oil field has, from its first development, produced a considerable quantity of gas which, except for the small amount used in gas engines for pumping oil and for domestic fuel is burned as flares in the vicinity of the farm buildings..... In recent years the oil prod. has fallen off until it is now very small but the waste of gas has continued....."

"The Plympton-Sarnia field has fallen into poor condition, and operations are now carried on by local farmers during slack times. In the opinion of local men a considerable production could still be obtained from this field with careful efficient management."

Quartz Bar Mines 1895 page 25 -

"In the South west corner of Plympton about a dozen wells exist, the product of which is pumped to Petrolia through pipe lines"

24	9	Imperial Oil Ltd..... J. Egan No. 1.	1,050 ft. N. of S. line..... 100 ft. W. of E. line.	1950	643	2,620	"	.....	.....	Dry	.....	137	Fresh water at 138 ft. Salt and sulphur water at 685 ft. Sulphur water at 815 ft. Salt water at 1,125 ft. Shows of gas at 138 and 1,295 ft.
25	9	Imperial Oil Ltd..... Isabelle Prouse No. 1.	1,100 ft. N. of S. line..... 460 ft. W. of E. line.	1949	644	2,537	"	.....	.....	Dry	.....	140	Fresh water at 140 ft. Salt water at 691 and 756 ft. Show of oil at 2,448 ft.
5	10	E. Wilson and Associates..... George B. Irwin No. 1.	250 ft. S. of Plank road . 800 ft. E. of W. line.	1944	646	500	Hamilton	.....	.....	Dry	.....	145	Fresh water at 150 ft.
5	10	W. D. Kennedy..... George B. Irwin No. 2.	425 ft. S. of Plank road.. 270 ft. W. of E. line.	1946	650	762	"	.....	.....	Dry	.....	148	Fresh water at 158 ft. Salt water at 510 ft. Produced some oil.
19	10	Imperial Oil Ltd..... K. Proctor No. 1.	2,225 ft. S. of N. line..... 410 ft. W. of E. line..	1951	646	2,620	Kettle Point	.....	.....	Dry	.....	145	Fresh water at 140 ft. Sulphur water at 595 ft. Salt water at 2,397, 2,540, and 2,550 ft.
20	10	Imperial Oil Ltd..... H. Wellington No. 2.	1,400 ft. N. of S. line..... 225 ft. W. of E. line.	1950	649	2,575	"	2,375–2,378	Salina	10–15 bbls.	.....	147	Fresh water at 142 ft. Sulphur water at 645 ft.
20	10	Imperial Oil Ltd..... H. Wellington No. 1.	800 ft. S. of N. line..... 225 ft. W. of E. line.	1950	646	2,181	"	2,149–2,181	Salina	7,500 Mcf.	865	143	Sulphur water at 638 ft. Shows of oil at 650 and 2,057 ft.
21	10	Imperial Oil Ltd..... R. Wellington No. 1.	1,350 ft. N. of S. line..... 100 ft. W. of E. line.	1951	645	2,657	"	.....	.....	Dry	.....	140	Fresh water at 145 ft. Sulphur water at 635 ft. Salt water at 920 and 2,280 ft.
22	10	Imperial Oil Ltd..... K. W. Wilson No. 1.	1,500 ft. S. of N. line..... 100 ft. W. of E. line.	1947	647	387	"	.....	.....	Dry	.....	145	Fresh water at 143 ft.
24	10	Imperial Oil Ltd..... K. Wellington No. 1.	1,300 ft. N. of S. line..... 600 ft. E. of W. line.	1951	643	2,630	"	.....	.....	Dry	.....	140	Fresh water at 140 ft. Sulphur water at 730 ft.
7	11	E. Wilson and Associates..... Grant Manley No. 1.	1,000 ft. E. of W. line..... 150 ft. S. of Plank road.	1944	645	560	Hamilton	.....	.....	Dry	.....	145	Fresh water at 157 and 170 ft.
19	11	Imperial Oil Ltd..... J. W. Wellington No. 1.	1,000 ft. N. of S. line..... 110 ft. W. of E. line.	1948	646	2,660	Kettle Point	.....	.....	Dry	.....	147	Fresh water at 147 ft. Salt water at 615 ft. Show of gas at 147 ft. Show of oil at 2,496 ft.
20	11	Imperial Oil Ltd..... M. Wellington No. 2.	800 ft. S. of N. line..... 100 ft. E. of W. line.	1951	635	2,626	"	.....	.....	Dry	.....	136	Fresh water at 130 ft. Salt water at 637, 900, 1,105, and 2,475 ft.
20	11	Imperial Oil Ltd..... M. Wellington No. 1.	1,200 ft. N. of S. line..... 100 ft. E. of W. line.	1951	641	2,661	"	.....	.....	Dry	.....	138	Fresh water at 138 ft. Sulphur water at 680 ft. Salt water at 2,430 ft.

Wells in Moore Township, Lambton County—Concluded

Lot	Con.	Designation	Location	Year drilled	Altitude in feet above sea-level	Depth in feet	Bedrock formation	Producing depth in feet	Producing formation	Yield Mcf. or bbls.	Pressure in lbs. sq. in.	Thickness of drift in feet	Remarks
20	11	Imperial Oil Ltd..... H. Wellington No. 1.	700 ft. N. of S. line..... 50 ft. W. of E. line.	1952	645	2,654	Kettle Point	.....	.....	Dry	.....	145	Sulphur water at 640 ft. Salt water at 2,418 ft. Show of oil at 2,388 ft.
21	11	Imperial Oil Ltd..... J. Wilson and J. Carter No. 1.	1,900 ft. S. of N. line..... 600 ft. E. of W. line.	1951	638	2,685	"	.....	.....	Dry	.....	155	Fresh water at 135 ft. Salt water at 670 and 2,460 ft.
22	11	Imperial Oil Ltd..... Joseph Wilson No. 1.	100 ft. S. of N. line..... 100 ft. W. of E. line.	1947	634	315	"	.....	.....	Dry	.....	124	Fresh water at 121 ft.

Sandford

Wells in Plympton Township, Lambton County

5	1	E. L. Roth..... H. Drope No. 1.	320 ft. N. of S. line..... 415 ft. E. of W. line.	1952	682	707	Hamilton	.....	.....	Dry	.....	169	Fresh water at 169 ft. Sulphur water at 550 ft.
6	1	E. L. Roth..... M. Donald No. 1.	1,200 ft. S. of N. line..... 500 ft. W. of E. line.	1950	705	552	"	440–450 495 500	Dundee	1 bbl. 20 Mcf.	.....	193	Fresh water at 205 ft. Salt water at 500 ft.
10	1	E. L. Roth..... O. Anderson No. 1.	650 ft. S. of N. line..... 75 ft. E. of W. line.	1950	715	601	"	.....	.....	Dry	.....	183	Fresh water at 190 ft. Sulphur water at 575 ft. Show of gas and oil at 468 ft.
18	1	Imperial Oil Ltd..... H. Zonnerville No. 1.	300 ft. S. of N. line..... 100 ft. E. of W. line.	1952	700	940	Kettle Point	.....	.....	Dry	.....	92	Fresh water at 80 ft. Sulphur water at 560 ft. Show of oil at 790 ft.
26	1	Imperial Oil Ltd..... E. Smith No. 1.	220 ft. S. of N. line..... 100 ft. W. of E. line.	1951	691	308	"	.....	.....	Dry	.....	64	Fresh water at 60 ft. Sulphur water at 545 ft. Salt water at 2,210 ft.
6	2	E. L. Roth..... A. Bishop No. 1.	725 ft. S. of N. line..... 615 ft. W. of E. line.	1950	689	520	Hamilton	.....	.....	Dry	.....	170	Fresh water at 170 ft. Show of oil at 430 ft.
7	2	E. L. Roth..... W. Parks No. 1.	600 ft. S. of R.R..... 500 ft. E. of W. line.	1950	688	500	"	450 460	Dundee	25 Mcf. 10 bbls.	.....	170	Fresh water at 190 and 230 ft.
7	2	E. L. Roth..... W. Parks No. 2.	600 ft. S. of R.R..... 930 ft. E. of W. line.	1950	692	540	"	520	Dundee	1 bbl.	.....	175	Fresh water at 185 ft. Salt water at 520 ft. Show of gas.

Caley

4	2	Wm. P. Reddick No. 1	650 ft. S. of N. road..... 1,000 ft. E. of W. road	1935	660	470	Hamilton	464	Norfolk	.....	.....	154	Fresh water at 150 and 165 ft. Gas at 435 and 490 ft.
7	2	Donald	.....	.....	.....	425	"	.....	.....	Dry	.....	180	Small oil well.
8	2	Bryson and Cole..... A. Levitt No. 1	150 ft. N. of S. line..... 50 ft. E. of W. line	1936	719	635	"	.....	.....	Dry	.....	202	Fresh water at 200 ft. Sulphur water at 595 ft. Show of oil at 515 ft.
10	2	O. Anderson	NE. Corner	1899	704	475	"	.....	.....	Dry	.....	145	Show of oil and gas at 475 ft.
15	2	Johnson	NW. Corner	.....	705	.....	.....	.....	.....	.....	.....	.....	
15	2	Borrowman	Village of Wyoming	.....	714	520	Hamilton	.....	.....	Dry	.....	137	Show of gas at 105 ft.
16	2	McKay	1,500 ft. S. of N. road..... 200 ft. E. of W. line	.....	703	.....	.....	.....	.....	.....	.....	.....	
16	2	Nicholson	2,200 ft. S. of N. road..... 200 ft. E. of W. line	.....	707	525	.....	.....	.....	Dry	.....	125	Show of gas.
16	2	Presbyterian Church property..	Village of Wyoming	.....	707	525	Hamilton	.....	.....	Dry	.....	130	Show of gas.
21	2	N. Rodock	NW. Corner	1896	710	535	.....	.....	.....	Dry	.....	88	
24	2	Victor Tait No. 1..... McIntosh and Cole	330 ft. N. of S. road..... 180 ft. W. of E. road	1939	696	586	Kettle Point	.....	.....	Dry	.....	50	Fresh water at 50 and 80 ft.
12	3	D. W. Brownlee	250 ft. N. of S. road..... 850 ft. E. of W. line	.....	703	521	Hamilton	.....	.....	Dry	.....	147	Show of gas 509 ft.
18	4	Sam Lucas	100 ft. S. of N. road..... 650 ft. E. of W. line	1927	699	525	Kettle Point	.....	.....	20 Mcf. ½ bbl.	.....	95	
24	4	B. D. Bornman..... McIntyre No. 1	1,100 ft. S. of N. road..... 100 ft. W. of E. road	1937	739	605	"	.....	.....	Dry	.....	126	Fresh water at 72 ft. Salt water at 600 ft.
3	5	F. A. Ogletree..... C. Strangway No. 1	100 ft. W. of E. road..... 5,200 ft. S. of N. road.....	1940	634	2,945	Hamilton	.....	.....	Dry	.....	114	Black water at 610 ft. Salt water at 700, 825, and 2,175 ft. Show of gas at 2,610 ft.
18	5	A. L. Lertzman	6,200 ft. S. of N. road..... 3,500 ft. W. of E. road	1939	706	610	Kettle Point	.....	.....	Dry	.....	95	Fresh water at 97 ft. Sulphur water at 598 ft.
30	5	L. G. Finch	1,000 ft. S. of N. line..... 100 ft. W. of E. line	1923	734	556	"	.....	.....	.....	.....	85	Fresh water at 91 ft. Salt water at 556 ft.
17	6	Rawlings	.....	.....	685	512	"	.....	.....	Dry	.....	84	
25	6	British Petroleum Co. No. 9...	900 ft. S. of N. road.... 450 ft. W. of E. line	1930	732	569	"	.....	.....	Dry	.....	113	Fresh water at 63 ft. Sulphur water at 113 ft. Salt water at 569 ft. Show of gas at 555 ft.

Wells in Plympton Township, Lambton County—Concluded

Lot	Con.	Designation	Location	Year drilled	Altitude in feet above sea-level	Depth in feet	Bedrock formation	Producing depth in feet	Producing formation	Yield Mcf. or bbls.	Pressure in lbs. sq. in.	Thickness of drift in feet	Remarks
14	7	W. L. Forrest O. Sproule No. 1	150 ft. N. of S. road 1,140 ft. E. of W. road	1941	669	.....	.....	.....	.....	.....	.....	.....	
17	7	Englehart No. 1	.....	.....	678	510	.....	.....	.....	.....	.....	139	Small quantity of oil and gas.
8	8	C. W. Barber F. Symington No. 1	1,300 ft. S. of N. road 700 ft. E. of W. line	1937	645	610	Kettle Point	.....	.....	Dry	.....	106	Fresh water at 170 ft. Salt water at 610 ft.
20	8	J. N. Jardine	2,550 ft. N. of S. line 500 ft. E. of W. line	1901	679	516	"	.....	.....	Dry	.....	118	Show of oil.
23	8	British Petroleum Co.	NW. Corner	1928	682	556	"	.....	.....	Dry	.....	88	Show of oil.
22	9	British Petroleum Co. No. 1	2,750 ft. N. of S. road 1,000 ft. E. of W. line	1935	677	1,850	"	.....	.....	Dry	.....	92	Fresh water at 90 ft. Salt water at 650 ft. Gas at 645 ft. Oil at 650 ft.
22	9	British Petroleum Co. No. 2	1,500 ft. S. of N. line 1,000 ft. W. of E. line	1928	678	507	"	.....	.....	.....	.....	70	
22	9	British Petroleum Co. No. 3	1,300 ft. S. of N. line 1,000 ft. E. of W. line	1928	678	510	"	.....	.....	Dry	.....	85	Show of gas at 467 ft.
22	9	British Petroleum Co. No. 4	1,000 ft. S. of N. line 300 ft. E. of W. line	1928	677	556	"	.....	.....	.....	.....	88	
22	9	British Petroleum Co.	100 ft. N. of S. road 1,000 ft. E. of W. line	.....	680	550	"	.....	.....	.....	.....	.....	
22	9	British Petroleum Co.	2,300 ft. N. of S. road 1,000 ft. W. of E. line	.....	678	.....	.....	.....	.....	.....	.....	.....	
22	9	British Petroleum Co.	1,300 ft. N. of S. road 100 ft. E. of W. line	.....	679	.....	.....	.....	.....	.....	.....	.....	
22	9	British Petroleum Co.	1,750 ft. S. of N. line 100 ft. E. of W. line	.....	675	.....	.....	.....	.....	.....	.....	.....	
23	9	E. B. Blain Wm. Stewarton No. 1	1,600 ft. N. of S. road 600 ft. W. of E. line	1928	680	541	Kettle Point	.....	.....	.....	.....	80	
19	10	British Petroleum Co. No. 8	SE. Corner	1930	672	567	"	.....	.....	Dry	.....	81	Show of oil at 466 ft.
22	10	British Petroleum Co.	100 ft. N. of S. line 750 ft. E. of W. line	.....	680	.....	.....	.....	.....	.....	.....	.....	

10	2	E. L. Roth M. Lumley No. 1.	630 ft. N. of R.R. 330 ft. E. of W. line.	1950	706	550	"	.....	.....	Dry	.....	170	Fresh water at 175 ft. Sulphur water at 545 ft. Shows of gas and oil at 432 ft.
14	2	Imperial Oil Ltd. James Gray No. 1.	150 ft. S. of N. line. 75 ft. E. of W. line.	1947	700	2,589	Kettle Point	.....	.....	Dry	.....	136	Fresh water at 136 ft. Sulphur water at 562 ft. Show of oil at 597 ft. Show of gas at 570 ft.
16	2	Imperial Oil Ltd. J. MacKinley No. 1.	2,200 ft. S. of N. line. 100 ft. W. of E. line.	1952	704	2,481	"	.....	.....	Dry	.....	112	Fresh water at 115 ft. Sulphur water at 575 ft.
8	3	E. L. Roth C. Dennis No. 1.	2,000 ft. N. of S. line. 525 ft. E. of W. line.	1950	685	635	Hamilton	.....	.....	Dry	.....	170	Sulphur water at 545 ft. Show of gas at 425 ft.
12	4	Imperial Oil Ltd. H. R. Weafer No. 1.	360 ft. S. of N. line. 1,200 ft. W. of E. line.	1947	678	2,534	Kettle Point	.....	.....	Dry	.....	115	Salt water at 594 and 2,136 ft.
22	6	R. W. Avery G. Muylow No. 1.	350 ft. N. of S. line. 50 ft. W. of E. line.	1948	711	575	"	.....	.....	Dry	.....	109	Fresh water at 109 ft. Sulphur water at 575 ft. Show of gas at 109 and 180 ft.
24	6	R. W. Avery M. G. Wilkinson No. 1.	250 ft. S. of N. line. 25 ft. W. of E. line.	1948	712	570	"	.....	.....	Dry	.....	104	Fresh water at 75 ft. Sulphur water at 570 ft.
19	8	Imperial Oil Ltd. F. Nicol No. 1.	50 ft. N. of S. line. 1,050 ft. W. of E. line.	1952	675	2,511	"	.....	.....	Dry	.....	85	Fresh water at 78 ft. Sulphur water at 570 ft.
10	9	M. Wellington No. 1	270 ft. N. of C.N.R. 350 ft. E. of W. line.	1949	649	623	"	570	Dundee	100 Mcf.	16	103	Fresh water at 118 ft. Salt water at 573 ft. Abandoned.
19	10 F.L.H.	Dr. Robert MacKinley No. 1	290 ft. N. of Lakeshore road. 500 ft. E. of W. line.	1949	622	579	"	.....	.....	Dry	.....	100	Fresh water at 104 ft. Sulphur water at 498 ft. Show of oil at 498 ft.
19	L.F.	Imperial Oil Ltd. R. MacKinley No. 1.	100 ft. E. of W. line. 400 ft. S. of Lakeshore road.	1952	627	2,712	"	.....	.....	Dry	.....	103	Fresh water at 102 ft. Black water at 615 ft.

Wells in Sarnia Township, Lambton County

25	R.F.	Dow Chemical Co. of Canada Ltd. No. 5.	110 ft. N. of S. line. 3,580 ft. W. of highway No. 40.	1950	606	2,628	Kettle Point	.....	.....	Dry	.....	120	Salt well.
25	R.F.	Dow Chemical Co. of Canada Ltd. No. 4.	110 ft. N. of S. line. 3,540 ft. W. of highway No. 40.	1951	606	4,849	"	.....	.....	Dry	.....	120	Salt well.
27	R.F.	Dow Chemical Co. of Canada Ltd. No. 6.	96 ft. N. of S. line. 3,209 ft. W. of highway No. 40.	1952	.....	1,700	"	.....	.....	Dry	.....	100	Salt well.

Lot	Con.	Designation	Location	Year drilled	Altitude in feet above sea-level	Depth in feet	Bedrock formation	Producing depth in feet	Producing formation	Yield Mcf. or bbls.	Pressure in lbs. sq. in.	Thickness of drift in feet	Remarks
29	R.F.	Dow Chemical Co. of Canada Ltd. No. 2.	10 ft. S. of N. line..... 3,150 ft. W. of highway No. 40.	1948	604	2,695	Kettle Point	.....	.....	.....	.....	110	Salt well.
30	R.F.	Dow Chemical Co. of Canada Ltd. No. 3.	100 ft. N. of S. line..... 3,150 ft. W. of highway No. 40.	1950	604	2,648	"	.....	.....	Dry	.....	102	Sulphur water at 674 ft. Salt water at 2,476 and 2,490 ft. Salt well.
30	R.F.	Dow Chemical Co. of Canada Ltd. No. 1.	34 ft. N. of S. line..... 3,150 ft. W. of highway No. 40.	1947	604	2,720	"	.....	.....	Dry	.....	109	Fresh water at 107 ft. Sulphur water at 680 ft. Shows of gas at 385 and 515 ft. Show of oil at 2,690 ft. Salt well.
A	I.R.	Francis Shaw Construction Co. No. 1.	10 ft. N. of Shamrock St 125 ft. E. of highway No. 40.	1944	.....	586	"	246 275	Hamilton	?	.....	115	Salt water at 586 ft. Show of oil at 475 ft. Private gas well.
5	A	Camlachie Oil Exploration Ltd. J. A. Lamont No. 1.	1,575 ft. N. of S. line..... 750 ft. W. of E. line.	1949	595	524	"	.....	.....	Dry	.....	100	Fresh water at 215 ft.
7	A	Camlachie Oil Exploration Ltd. Ed. Lusk No. 1.	1,300 ft. N. of S. line..... 375 ft. W. of E. line.	1949	569	515	"	.....	.....	Dry	.....	100	Fresh water at 215 ft.
11	1	Imperial Oil Ltd..... F. Robertand L. Pratt No. 1.	1,000 ft. N. of S. line..... 750 ft. W. of E. line.	1952	644	2,651	"	.....	.....	Dry	.....	130	Fresh water at 128 ft. Sulphur water at 565 and 573 ft.
11	2	Imperial Oil Ltd..... H. Underwood No. 1.	600 ft. W. of E. line..... 100 ft. N. of S. line.	1952	638	2,653	"	.....	.....	Dry	.....	113	Sulphur water at 550 ft. Show of oil at 618 ft. Show of gas at 627 ft.
13	5	Imperial Oil Ltd..... D. Kember No. 1.	1,450 ft. S. of N. line..... 350 ft. E. of W. line.	1952	605	2,817	"	.....	.....	Dry	.....	112	Fresh water at 112 ft. Sulphur water at 620 ft.
8	6	Imperial Oil Ltd..... S. Beatty No. 1.	300 ft. N. of S. line..... 860 ft. E. of W. line.	1952	608	575	"	.....	.....	Dry	.....	144	Fresh water at 148 ft. Sulphur water at 412 ft. Show of gas at 412 ft.
9	6	Frank Jackson No. 1.....	500 ft. E. of W. line..... 200 ft. S. of N. line.	1949	605	558	Hamilton	.....	.....	Dry	.....	153	Fresh water at 155 ft. Salt water at 513 ft.
17	6	H. M. Doupe No. 1.....	270 ft. N. of highway No. 7. 105 ft. E. of C.N.R.	1947	600	523	Kettle Point	491	Dundee	14 Mcf.	160	117	Fresh water at 125 ft.

PLYMPTON TWP

Lot	Con	Owner	Location	Year Drilled	Total Depth	Bedrock Formation	Productive depth	Productive Formation	Initial Flow	RP	Surface Thick.	Remarks
												Coley p. 217
20	XI	British Petroleum Co	2800'N 800'W	1925	665	576		Kettle Point	Dry		90	
23	XI	do	3100'N 50'W of E	1927	674			"	—		85	—
16	XII	CS Douglas	SW cor	1890	640			"	—		75	—
14	XIII	Chas Fisher	400'N 700'W	1890	646			"	Dry		86	— — —
30	XIII	Wm Burney	900N 120W	—	693			"	"	—	—	— — —
30	XIII	T&G Witherspoon	210S 170W	1941	707			"	"		99	Salt water @ 576 Gas at 522
26	XIV	A Gamon	1150S 500E	-	664			"	"		76	Black water @ 533
28	XIV	A McPherson	1600 S. 500 W	—	711			"	—	—	90	— — — —

NOTE: There are many wells in this township for which no records are available.

Wells in Plympton Township, Lambton County

4	1	.....	.....	.....	670	500	Hamilton	.....	.....	Dry	.....	185	Show of oil at 470 ft.
5	1	Brooks No. 1.....	.....	1904	.....	500	"	.....	.....	Dry	.....	.....	Show of oil and gas at 430 to 435 ft.
5	1	Park No. 1.....	.....	1904	.....	500	"	.....	.....	Dry	.....	.....	Show of oil.
5	1	Park No. 2.....	.....	1904	.....	500	"	.....	.....	Dry	.....	.....	Show of oil.
5	1	Park No. 3.....	.....	1904	.....	490	"	.....	.....	.....	.....	.....	Show of gas at 479 ft.
5	1	Park No. 4.....	.....	1904	.....	500	"	.....	.....	.....	.....	.....	Pumped oil.
5	1	Alexander Gardener.....	1,300 ft. S. of N. road..... 300 ft. E. of W. line	1935	674	485	"	.....	.....	Dry	.....	163	Fresh water at 167 ft.
9	1	Atkinson No. 1.....	.....	.....	.....	520	"	.....	.....	.....	.....	.....	Oil well.
9	1	Atkinson No. 2.....	.....	.....	.....	520	"	.....	.....	Dry	.....	160	Show of oil.
9	1	Atkinson No. 3.....	.....	.....	.....	538	"	.....	.....	Dry	.....	160	
9	1	Atkinson No. 4.....	.....	.....	.....	529	"	.....	.....	.....	.....	180	Oil well.
9	1	Atkinson No. 5.....	.....	.....	.....	527	"	.....	.....	Dry	.....	175	Show of oil.

Wells in Plympton Township, Lambton County—Continued

Lot	Con.	Designation	Location	Year drilled	Altitude in feet above sea-level	Depth in feet	Bedrock formation	Producing depth in feet	Producing formation	Yield Mcf. or bbls.	Pressure in lbs. sq. in.	Thickness of drift in feet	Remarks
9	1	Atkinson No. 6				530	Hamilton					165	
9	1	Atkinson No. 7				530	"					170	Oil well.
9	1	Atkinson No. 8				522	"			Dry		160	
10	1	Maugh No. 1	600 ft. N. of S. road 300 ft. W. of E. line		699	535	"					133	Gas well.
10	1	Maugh No. 2	50 ft. N. of S. road 900 ft. W. of E. line		702	538	"			Dry		134	
10	1	Maugh No. 3	600 ft. N. of S. road 900 ft. W. of E. line		702		"			Dry		130	
10	1		1,100 ft. N. of S. road 300 ft. W. of E. line		710								
10	1		1,400 ft. N. of S. road 500 ft. E. of W. line		710								
10	1		1,700 ft. N. of S. road 300 ft. E. of W. line		706								
11	1	Dennis	100 ft. N. of S. road 700 ft. E. of W. line		694	527	Kettle Point			Dry		124	Show of gas.
12	1	Hunter No. 1	200 ft. N. of S. road 1,250 ft. W. of E. line		690	500	"			Dry		119	Show of gas and oil.
12	1	Hunter No. 2	400 ft. N. of S. road 650 ft. W. of E. line		696	500	"			Dry		126	Show of gas at 490 ft.
13	1	D. Gordon No. 1	100 ft. N. of S. road 100 ft. W. of centre line		694	500				Dry		130	
13	1	D. Gordon No. 2	300 ft. N. of S. road 350 ft. W. of centre line		695					Dry			
13	1	D. Gordon No. 3	700 ft. N. of S. road 600 ft. E. of W. line		693					Dry			
15	1	J. Stonehouse	80 ft. N. of S. road 100 ft. W. of centre line	1895	691	480	Kettle Point			Dry		104	Show of oil.

G.S.C. Survey Rept E. p. 33. M.Y.W.
Plympton - SARNIA Field
N½ lot. 4. Con VI Sarnia Tp

Surface	106 - 106
Top Rock	47 - 153
Petrolia shale	123 - 276
Middle lime	10 - 286
lower soap	52 - 338
Onondaga lime	132 - 470

Some oil at 440

Sarnia Tp Field
lot 16 Con III Sarnia Tp
Mac Gregor Farm

Surface	120 - 120
Black Shale	30 - 150
Top Rock	20 - 170
Petrolia shale	260 - 430
Middle lime / Lower Soap	45 - 475
Onondaga lime	55 - 530

Gas & Oil at 480
Oil at 518.

L.G. Finch. Brantford Ont

LOG NO. 104.—INFORMATION BY A. CALVERT, PETROLIA

Lot	Concession	Township	County
E½ 25	V	Plympton	Lambton

Calvin Hodgins Farm Well #2. Completed October 31, 1923.

Formation	Thickness of formation
Clay	85 feet
Black shale	105 "
Limestone	2 "
Soapstone	192 "
Limestone	17 "
Soapstone	40 "
Limestone	114 "
Total depth	556 feet

Shot at 551.
Fresh water at 4' and 91'
Salt " " 556
134' - 4⅝" casing

Wyoming, in Plympton tp., l. 15, con. I (Geol. Sur. Can., Vol. V, Part II, p. 64Q):		
Surface	104	104
Portage		
Black shale	4	108
Hamilton		
Limestone	40	148
Shale	130	278
Limestone	15	293
Shale	43	336
Limestone	68	404
Corniferous		
Limestone, soft	40	444
Limestone, grey	36	480

Top of well 697 feet above tide. Small oil much salt water

17,
Open flo
Sur
Bla

Top rock	155 "
Soap	260 "
Middle lime	5 "
Soap	60 "
Big lime	91 "
Total depth	571 feet

British Petroleum Co. Hamilton #2
Lot 22 Con IX Plympton
Driller Wm Bedal
1928?

Surface gravel	70'	
Shale	70	Show of oil 460
Lime & soap	75	
Upper soap	165	
Middle lime	10	
Lower soap	40	
Onondaga Lower lime	77	
	507	

British Petroleum Co Ltd ?
lot 24 Con IX Plympton
Comp. Oct. 1927

Surface	80'
Shale	51
Shale & soap.	310
Onondaga lime	100
Total	541

LOG NO. 106.—INF

Lot	Concession
17, No. 2 Marks	VII

Open flow: 10,000 cu. ft.

Surface	
Black shale	
Top rock	
Soap	
Middle lime	
Soap	
Big lime	
Tota. depth	

Gas at 103, 476, 503, and 513 feet.

LOG NO. 107.—INFO

Lot	Concession
8, No. 2 Hancock	VIII

Open flow: 100,000 cu. ft.
Rock pressure: 99 lbs.

Surface	123 feet
Top rock	60 "
Upper soap	125 "
Middle lime	5 "
Lower soap	60½ "
Big lime	97½ "
Total depth	471 feet

Gas at 405 and 471 feet.

LOG NO. 108.—INFORMATION BY LEO WILSON, SARNIA.

Lot	Concession	Townshi	County
8, No. 3 Hancock	VII	nia	Lambton

Open flow: 100,000 cu. ft.
Rock pressure: 99 lbs.

Completed in 1904.

Formation	Thickness of formation
Surface	123 feet
Top rock	69 "
Upper soap	120 "
Middle lime	5 "
Lower soap	60 "
Big lime	97½ "
Total depth	474½ feet

British Petroleum Co Ltd. #7 (?)
Plympton Twp lot 22 Con IX
Driller Wm Bedal Farm.
1927 or 1928?

Surface	
Gravel	77
Lime & soap	8
Middle lime	110
Lower Soap	6
Onondaga	52
Gas or oil at 467	72 - 510

BRITISH PETROLEUM CO., HAMILTON #8
Lot 19, S. ½, con. X, Plympton tp.
Completed September 5, 1930. H Purcell Farm.
Dry hole. Driller T. Josh

Formation	Thickness, ft.	Casing
Surface	81	90' - 6"
Shale	44	125
Ipperwash lime	4	129
Soap and lime	204	333
Soap	50	383
Middle lime	5	388
Soap	55	443
Corniferous lime at 443 feet.		
Delaware and Onondaga	124	567
Total depth	567	

Show of oil at 466 feet.

BRITISH PETROLEUM CO., HAMILTON
Lot 23, con. VIII, Plympton tp.
Completed August, 1928.
Show of oil.

Formation	Thickness, ft.
Surface	80
Gravel	8
Shale	40
Lime	112
Top soap	140
Limestone	6
Lower soap	59
Drilled into lime	111
Total depth	556

BRITISH PETROLEUM CO., HAMILTON #9
Con VII ARC.? Lot 25, con. XI?, Plympton tp.
Completed December 16, 1930. Norman Dobbin.
Dry hole. Driller T. Josh.

Formation	Thickness, ft.	
Surface	113	
Shale with hard streaks	44	157
Soapstone	50	207
Hard limestone	2	209
Soapstone with streaks of lime	89	298
Soapstone	122	420
Limestone	4	424
Soapstone	51	475
Onondaga limestone	94	569
Total depth	569	

Very small showing of gas at 555 feet. 119'-6" casing
Water at 63, 113, and 569 feet.

Formation	Thickness, ft.	Fresh Sulfur Salt
Grey lime	50	
Red shale	330	
Grey shale	240	
Dark grey shale	120	
Utica black slate	204	
Trenton grey lime	856	
Potsdam	15	
Granite	5	
Total depth	3,740	

DR. E. B. BLAIN, HAMILTON
Lot 22, con. IX, Plympton tp.
Completed July, 1927. Wm McKinley
Open flow: 30,000 cu. ft.
Rock pressure: 60 lbs.
¼ Barrel

Formation	Thickness, ft.
Surface, clay, gravel and sand	92
Shale	57
Top rock	6
Soap and rock	130
Top soap	120
Middle lime	9
Lower soap	40
Total depth	454

Gas at 467 feet. Oil at 467

NORMAN CREWSON, ACTON
Lot 25, con. IX, Metcalfe tp.
Completed March 30, 1927.
Dry hole.

Formation	Thickness, ft.
Surface	45
Shale	45
Top rock	55
Top soap	120
Middle lime	18
Lower soap	45
Lower lime	47
Total depth	375

SAM LUCAS, PETROLIA Driller Hussey
Lot 18, con. IV, Plympton tp.
Completed February, 1927.
Open flow: 20,000 cu. ft.
½ barrel oil

Formation	Thickness, ft.
Surface	95
Slate	65
Top rock	60
Top soap	130
Middle lime	17
Lower soap	50
Lower lime	108
Total depth	525

Norfolk County

DOMINION NATURAL GAS CO., BUFFALO, N.Y.
Lot 29, con. IV, Middleton tp.
Completed January 14, 1927.
Dry hole.

Formation	Thickness, ft.
Surface	247
Flint	303
Lime and shale	375
Niagara	243
Grey shale	54
Clinton	23
Red Medina	5
Red and blue shale	80
White Medina	8
Red shale	5
Total depth	1,343

LOG NO. 80.—E. B. BLAIN, HAMILTON
Lot 20, con. XI, Plympton tp.
Wm Bedal Driller.
Completed November 1, 1925.
Dry hole.

Formation	Thickness, ft.
Surface	90
Shale	45
Top rock	65
Upper soap	184
Middle lime	6
Lower soap	60
Big lime	126
Total depth	576

Dr Blain Hamilton
lot 22 Con IX Plympton
Driller Wm Bedal Farm Arch. McKinley

British Petroleum Co Ltd
lot 22 Con IX Plympton
Driller Wm Bedal
completed 1927-1928.
prob #3.

Surface	65	
Gravel	7	
Shale	45	Gas & oil
Lime & soap	120	at 457
Soap	148	
middle Lime	5	
Soap	45	
Lower Lime	36	
Total	471	

British Petroleums Co Ltd
lot 23 Con VIII Plympton (#11?)
Wm Bedal Driller
Comp aug. 1928

Surface 80 Gravel 8	88'	
Shale	40	
lime	112	
Top Soap	140	
middle lime	6	
Lower soap	59	
Lower lime	111	
Total	556	

F. L. MERRITT ET AL.

A. J. Garnon No. 1, lot 26, con. XIV, Plympton tp.

Completed July 13, 1935.
Dry hole.

Formation	Thickness, ft.
Surface	73
Hardpan	3
Black shale	45
Top rock	84
Hard soap	30
Lime	10
Top soap	130
Middle lime	4
Lower soap	66
Lower lime	88
Total depth	533

Fresh water at 73 to 80 feet.
Black salty water at 531 to 533 feet.

WM. P. REDDICK

W. P. Reddick No. 1, lot 4, E. ¼, con. II, Plympton tp.

Completed August 28, 1935.
Small producing gas well.

Formation	Thickness, ft.
Brown clay	10
Blue clay	144
Top rock	40
Middle lime	15
Lower soap	50
Lower lime	55
Total depth	470

Gas at 435 and 460 feet.
Oil at 464 feet, but not pumped.

Gas & oil at 462 & 486
prob a 6th a- trace

ALEXANDER GARDINER

D. McDonald No. 1, lot 5, W. ½, con. I, Plympton tp.

Completed July 24, 1935.
Dry hole.

Formation	Thickness, ft.
Surface	163
Top rock	50
Top soap	140
Middle lime	15
Lower soap	45
Lower lime	72
Total depth	485

Fresh water at 167 feet.

DOMINION NATURAL GAS CO., BUFFALO, N.Y.

Lot 19, con. XIV, Walsingham N. tp.

Completed November 8, 1927.
Open flow: 42,000 cu. ft.
Rock pressure: 560 lbs.

Formation	Thickness ft.
Surface	222
Brown and grey lime	153
Flint	140
Mixed lime and stone	397
Niagara lime	231
Grey shale	58
Clinton sand	30
Red Medina sand	5
Blue shale	41
Total depth	1,277

Gas at 1,213 feet.

BRITISH PETROLEUM CO., LTD.

Lot 22, con. IX, Plympton tp.

To October 28, 1933 (not completed).

Formation	Thickness, ft.
Surface	92
Brown shale	57
Top rock	6
Soap and rock	130
Top soap	120
Middle lime	9
Lower soap	40
Big lime	226
Total depth	680

Very small show of gas at 465 feet.
Good showing of both oil and gas at 650 feet.
Fresh water at 90 feet; salt water at 650 feet.

DOMINION NATURAL GAS CO., BUFFALO, N.Y.

Lot 20, con. XIV, Walsingham N. tp.

Completed July 15, 1927.
Open flow: 80,000 cu. ft.
Rock pressure: 500 lbs.

Formation	Thickne ft.
Surface	215
Brown and grey lime	157
Flint	123
Mixed lime and stone	395
Niagara lime	236
Grey shale	58
Clinton sand	23
Red Medina sand	3
Blue shale	36
Total depth	1,251

Gas at 1,197 and 1,209 feet.

BRYSON AND COLE

A. Levitt, No. 1, lot 8, con. II, Plympton tp.

Completed March 13, 1936.
Dry hole.

Formation	Thickness, ft.
Surface	182
Boulders	20
Lime	60
Shale	133
Lime	13
Shale	42
Grey lime	65
Light-brown lime	58
Brown lime	12
Oil sand	8
Hard streak lime	2
Water sand	5
Lime	20
Hard brown lime	15
Total depth	635

Show of oil at 515 feet.
Show of gas at 573 feet.

A. L. Lertzman

V. A. Minielly No. 1, lot 18, con. V, Plympton tp.
Completed July 31, 1939.
Dry hole.

Formation	Thickness, ft.
Clay	95
Black shale	28
Hardpan	24
Black shale	10
White lime	2
Soap	65
Lime	4
Soap	8
Lime	15
Mixed soap and lime	50
Soap	73
Lime	3
Soap	57
Grey lime	17
Soap	38
Dark lime	5
White lime	145
Dark lime	12
Total depth	610

Fresh water at 97 feet; sulphur water at 598 feet.

MacIntosh and Cole

V. Tait No. 1, lot 24, N.E.¼, con. II, Plympton tp.
Completed January 30, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	50
Black shale	106
Upper lime	106
Soap	108
Middle lime	20
Lower soap	20
Lower lime	186
Total depth	586

Fresh water at 50 and 80 feet.

Clare W. Barber

F. Symington No. 1, lot 8, con. VIII, Plympton tp.
Completed June 28, 1937.
Dry hole.

Formation	Thickness, ft.
Clay	100
Hardpan	6
Black shale	69
Hard streak	5
Hard grey soap	12
Soap	220
Middle lime	8
Lower soap	55
Black streak	5
Lower lime	130
Total depth	610

Fresh water at 170 feet; salt water at 610 feet.

B. D. Bornman

McIntyre No. 1, lot 24, E.½, con. IV, Plympton tp.
Completed May 3, 1937.
Dry hole.

Formation	Thickness, ft.
Surface	126
Black shale	79
Lime and soap	85
Soap	126
Middle lime	14
Soap	49
Lime	126
Total depth	605

Fresh water at 72 feet; salt water at 600 feet.

F. A. Ogletree

C. Strangway No. 1, lot 3, con. V, Plympton tp.
Completed June 15, 1940.
Dry hole.

Formation	Thickness ft.
Surface	115
Top rock	2
Upper soap	220
Middle lime	23
Lower soap	42
Big lime	137
Munroe lime	120
Shale and gypsum	13
Brown and grey lime	275
Lime and shale	438
Salt and lime	85
Lime and shale	80
Salt and lime	215
Brown lime	150
Shale and lime	25
Salt	55
Grey and brown lime	216
Shale and salt	175
Grey lime	275
Shale	105
Grey and dark lime	60
Blue, red, and grey shale	120
Total depth	2,945

Show of oil at 2,610 feet.
Black water at 610 feet; salt water at 760, 825, and 2,175 feet.

T. and G. Witherspoon

T. and G. Witherspoon No. 1, lot 30, con. XIII; Plympton tp.
Completed February 6, 1941.
Dry hole.

Formation	Thickness, ft.
Surface	99
Black shale	43
Lime and soap	251
Middle lime	4
Lower soap	64
Dark lime	3
Big lime	62
Total depth	526

Show of gas at 522 feet.
Salt water at 526 feet.

Imperial Oil, Ltd., Eastern Canada Exploration

J. and L. Gray No. 1, lot 14, con. II, Plympton tp.
Driller: J. L. Ashton.
Completed September 20, 1947.
Dry hole.

Formation	Depth, ft.
Surface	136
Black shale	166
Top rock	244
Soap	456
Grey and brown lime	1,076
Sharp brown lime	1,238
Grey and blue lime	1,285
Blue lime	1,287
Grey and brown lime	1,402
Salt	1,438
Brown lime	1,466
Salt and lime	1,534
Grey lime	1,564
Brown and grey lime	1,630
Salt and lime	1,678
Blue lime	1,738
Brown and grey lime	1,759
Brown lime	1,765
Salt	1,783
Brown lime	1,954
Brown lime and salt	2,090
Grey lime	2,177
Salt	2,250
Grey lime	2,417
Brown and grey lime	2,508
Blue shale	2,538
Grey lime	2,550
Red Medina	2,556
Blue shale	2,589

Show of gas at 570 feet.
Show of oil at 597 to 603 feet.
Fresh water at 136 feet; sulphur water at 562 to 570 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

H. Weafer No. 1, lot 12, con. IV, Plympton tp.

Driller: J. L. Ashton.
Completed November 28, 1947.
Dry hole.

Formation	Depth, ft.
Surface	115
Black shale	182
Soap	479
Grey and brown lime	936
Grey lime	1,098
Brown lime	1,202
Grey lime and gypsum	1,214
Blue lime	1,236
Brown and grey lime	1,266
Grey and blue lime	1,374
Salt	1,398
Blue lime	1,406
Brown and grey lime	1,430
Salt	1,482
Brown lime	1,518
Salt	1,578
Blue and grey lime	1,644
Grey lime	1,680
Salt and blue lime	1,710
Blue shale	1,764
Grey lime	1,776
Brown and grey lime	1,812
Salt	1,818
Grey lime	1,854
Salt	2,040
Brown lime	2,046
Salt	2,058
Brown lime	2,142
Brown and grey lime	2,191
Salt	2,328
Grey lime	2,338
Brown lime	2,365
Grey lime	2,534

Salt water at 594 to 600 feet and 2,136 to 2,142 feet.

R. W. AVERY

M. Wilkinson No. 1, lot 24, con. VI, Plympton tp.

Driller: C. Demaray.
Completed May 4, 1948.
Dry hole.

Formation	Depth, ft.
Surface	104
Black shale	166
Soap and lime	397
Middle lime	410
Lower soap	457
Dark lime	463
Buff lime	570

Fresh water at 75 feet; sulphur water at 570 feet.

R. W. AVERY

G. Muxlow No. 1, lot 22, con. VI, Plympton tp.

Driller: C. Demaray.
Completed June 18, 1948.
Dry hole.

Formation	Depth, ft.
Surface	109
Black shale	168
Soap	174
Lime and soap	250
Soap	398
Middle lime	411
Lower soap	460
Dark lime	464
Brown lime	575

Show of gas at 109 and 180 feet.
Fresh water at 109 feet; sulphur water at 575 feet.

R. MACKINLAY

R. Mackinlay No. 1, lot 19, con. X, Plympton tp.

Driller: R. McGaffey.
Completed August 20, 1949.
Dry hole.

Formation	Depth, ft.
Surface	60
Hard pan	100
Black shale	166
Top rock	245
Upper soap	415
Middle lime	420
Lower soap	488
Black streak	490
Big lime	579

Show of oil at 498 feet.
Fresh water at 104 feet; sulphur water at 498 feet.

M. WELLINGTON

M. Wellington No. 1, lot 10, con. IX, Plympton tp.

Driller: F. Jackson.
Completed May 31, 1949.
Dry hole.

Formation	Depth, ft.
Surface	103
Black shale	166
Top lime	266
Lime and soap	416
Middle lime	421
Lower soap	483
Black str[illegible]	488
Delaware	623

Show of gas at 570 feet.
Fresh water at 118 feet; salt water at 573 feet.

Lambton County—Continued

IMPERIAL OIL, LTD.

G[illegible] L. White No. 1, lot 16, con. IX, Moore tp.

Driller: R. McMaster and Sons.
Completed September 29, 1950.
Dry hole.
Elevation: 652 ft.

Formation	Depth, ft.
Surface	135
Black shale	201
Grey shale and lime	280
Soap	410
[illegible]ue and shale	424
[illegible]oap	468
[illegible]rown lime	744
Gypsum	758
Brown and grey lime	1,200
Brown and blue lime and gypsum	1,300
Blue lime	1,360
Brown and blue lime and gypsum	1,400
Brown lime, gypsum and salt	1,440
Brown and blue lime	1,485
Salt and lime	1,545
Brown and blue lime	1,625
[illegible]ue shale and salt	1,640
[illegible]lue shale	1,740
Salt	1,756
Blue and brown lime	1,771
Lime and salt	1,793
Salt	1,956
Salt and lime	1,996
Brown and grey lime	2,143
Gypsum, lime, and salt	2,164
Salt	2,242
Gypsum	2,252
Brown lime and gypsum	2,258
Grey and brown lime	2,379
Grey lime and gypsum	2,388
Gypsum	2,410
Guelph	2,517
Grey shale	2,523

Sh[illegible] of gas at 2,418 feet.
[illegible] of oil at 2,418 feet.
S[illegible] water at 498 feet.

IMPERIAL OIL, LTD.

K. White No. 1, lot 23, con. VII, Moore tp.

Driller: R. McMaster and Sons.
Completed September 22, 1950.
Dry hole.
Elevation: 635 ft.

Formation	Depth, ft.
Surface	135
Black and grey shale	180
Lime	348
Soap	458
Middle lime	463
Soap	515
Brown and grey lime	682
Water sand	690
Brown lime and gypsum	784
Brown and grey lime	1,191
Blue and brown lime	1,305
Blue shale and gypsum	1,360
Brown and blue lime	1,398
Brown lime and salt	1,406
Brown and blue lime	1,450
Salt and lime	1,510
Brown and blue lime	1,556
Grey lime and gypsum	1,571
Brown lime	1,578
Lime and salt	1,624
Blue and brown lime	1,634
Blue shale and gypsum	1,698
Lime and salt	1,965
Brown and grey lime	2,088
Blue lime and gypsum	2,135
Salt	2,218
Gypsum and lime	2,223
Grey and brown lime	2,345
Grey lime and gypsum	2,359
Brown and grey lime	2,495

Show of oil at 2,360 feet.
Salt water at 535 feet.

IMPERIAL OIL, LTD.

G. and L. White No. 2, lot 16, con. VIII. Moore tp.

Driller: R. McMaster and Sons.
Completed December 12, 1950.
Dry hole.
Elevation: 648 ft.

Formation	Depth, ft.
[illegible]	
Surface	135
Black shale	223
Grey shale and lime	300
Soap	420
Shale	430
Soap	465
Brown lime	640
Lime and gypsum	740
Brown and grey lime	1,170
Brown and blue lime	1,240
Brown, blue lime, and gypsum	1,250
Brown lime	1,270
Blue shale	1,360
Brown and blue lime	1,390
Brown lime and salt	1,420
Brown lime	1,677
Blue shale	1,722
Lime and salt	1,779
Salt	1,952
Lime and salt	1,962
Salt	1,984
Brown, blue, and grey lime	2,134
Brown lime and gypsum	2,145
Salt	2,234
Gypsum	2,257
Brown and grey lime	2,380
Brown lime and gypsum	2,395
Guelph	2,510
Shale	2,528

Show of oil at 2,263 feet.
Fresh water at 120 feet; sulphur water at 490 feet; salt water at 2,418 feet.

IMPERIAL OIL, LTD.

B. Young No. 1, lot 12, con. III, Moore tp.

Driller: R. McMaster and Sons.
Completed January 27, 1950.
Dry hole.

Formation	Depth, ft.
Surface	145
Grey and black shale	290
Grey shale and lime	370
Soap	480
Lime and shale	500
Soap	540
Blue lime	550
Brown lime	600
Brown and grey lime	760
Brown lime and gypsum	850
Brown lime	920
Grey lime and sharp sand	1,200
Grey and brown lime	1,250
Brown and blue lime	1,545
Blue shale	1,620
Brown lime and gypsum	1,630
Brown lime and salt	1,740
Salt	1,886
Brown and grey lime	2,000
Blue lime and gypsum	2,028
Blue lime and salt	2,035
Salt	2,107
Brown and grey lime	2,190
Brown lime and shale	2,245
Grey lime and gypsum	2,265
Brown lime	2,298

Fresh water at 143 feet; sulphur and salt water at 645 feet; salt water at 2,282 to 2,290 feet.

Lambton County—Continued

PETROMINE EXPLORATION AND FINANCE CO.

R. Young No. 1, lot 10, con. I, Moore tp.

Driller: S. Earl.
Completed February 22, 1950.
Dry hole.

Formation	Depth, ft.
Surface	117
Shale	306
Top rock	385
Soap	488
Middle lime	503
Soap	537
Black streak	542
Lime	585

Fresh water at 112 feet.

E. L. ROTH

O. Anderson No. 1, lot 10, con. I, Plympton tp.

Driller: W. Hussey.
Completed May 18, 1950.
Dry hole.

Formation	Depth, ft.
Surface	183
Top rock	223
Top soap	374
Middle lime	388
Lower soap	420
Black lime	433
Brown lime	601

Show of gas and oil at 468 to 470 feet.
Fresh water at 190 feet; sulphur water at 575 feet.

E. L. ROTH

A. Bishop No. 1, lot 6, con. II, Plympton tp.

Driller: Demaray and Nichols.
Completed December 29, 1950.
Dry hole.

Formation	Depth, ft.
Surface	170
Top rock	229
Top soap	355
Middle lime	365
Lower soap	419
Big lime	520

Show of oil at 430 feet.
Fresh water at 170 to 175 feet.

E. L. ROTH

C. Dennis No. 1, lot 8, con. III, Plympton tp.

Driller: Demaray and Nichols.
Completed March 23, 1950.
Dry hole.

Formation	Depth, ft.
Surface	170
Top rock	231
Top soap	354
Middle lime	365
Lower soap	413
Dark grey lime	418
Grey and buff lime	493
Soft brown lime	510
Hard brown lime	545
Water sand	550
Detroit River	635

Show of oil at 425 to 430 feet.
Sulphur water at 545 feet.

E. L. ROTH

M. Donald No. 1, lot 6, con. I, Plympton tp.

Driller: Demaray and Nichols.
Completed August 26, 1950.
Producing oil well.

Formation	Depth, ft.
Surface	193
Top rock	253
Top soap	378
Middle lime	391
Lower soap	438
Big lime	552

Oil at 440 to 450 feet.
Show of gas at 495 and 500 feet.
Fresh water at 205 feet; salt water at 500 feet.

E. L. ROTH

M. Lumley No. 1, lot 10, con. II, Plympton tp.

Driller: W. Hussey.
Completed January 19, 1950.
Dry hole.

Formation	Depth, ft.
Surface	170
Top rock	215
Upper soap	353
Middle lime	372
Lower soap	415
Grey and buff lime	550

Show of oil at 432 to 435 feet.
Show of gas at 468 to 474 and 482 to 484 feet.
Fresh water at 175 feet; sulphur water at 545 feet.

E. L. ROTH

W. Parks No. 1, lot 7, con. II, Plympton tp.

Driller: W. Hussey.
Completed August 9, 1950.
Producing oil well.

Formation	Depth, ft.
Surface	170
Top rock	235
Upper soap	360
Middle lime	373
Lower soap	404
Big lime	500

Oil at 460 feet.
Show of gas at 450 feet.
Fresh water at 190 and 230 feet.

E. L. ROTH

W. Parks No. 2, lot 7, con. II, Plympton tp.

Driller: Demaray and Nichols.
Completed October 12, 1950.
Producing oil well.

Formation	Depth, ft.
Surface	174
Top rock	237
Top soap	365
Middle lime	375
Lower soap	420
Big lime	540

Oil at 520 feet.
Show of gas at 520 feet.
Fresh water at 185 feet; salt water at 520 feet.

Lambton County—Continued

IMPERIAL OIL, LTD.

R. Murray No. 1, lot 21, con. IX, Moore tp.

Driller: R. McPherson.
Completed July 28, 1952.
Producing gas well.
Rock pressure: 880 lb.

Formation	Depth, feet
Surface	151
Black, brown and grey shale	280
Hamilton	551
Brown lime	722
Brown lime and gypsum	822
Brown and grey lime	947
Sharp brown and grey lime	1,173
Brown and grey lime	1,201
Brown lime	1,261
Brown and blue lime and gypsum	1,271
Brown and blue lime	1,352
Brown lime and gypsum	1,412
Blue lime	1,432
Brown lime	1,452
Lime and salt	1,462
Brown lime	1,472
Lime and salt	1,502
Brown lime	1,532
Lime and salt	1,584
Brown lime	1,617
Brown and blue lime and salt	1,638
Brown lime and blue lime	1,670
Brown and blue lime and salt	1,710
Blue shale	1,742
Brown and blue lime and gypsum	1,780
Lime and salt	1,963
Brown and grey lime	2,055
Brown lime and gypsum	2,063
Gypsum	2,094
Brown lime and gypsum	2,099
Brown lime	2,137

Gas at 20, 98, 2,107–24, 2,124–32, and 2,132–37, feet.
Sulphur water at 208 feet; black water at 608 and 722–72 feet.

IMPERIAL OIL, LTD.

D. and W. Prentice No. 1, lot 18, con. VIII, Moore tp.

Driller: R. L. McPherson.
Completed February 16, 1952.
Dry hole.

Formation	Depth, feet
Surface	141
Brown shale	244
Hamilton	505
Brown lime	731
Brown lime and gypsum	797
Brown lime	910
Sharp brown and grey lime	1,095
Brown and grey lime	1,176
Brown lime and gypsum	1,197
Blue shale and brown lime	1,376
Blue lime and salt	1,389
Brown lime	1,399
Brown lime and salt	1,426
Brown lime	1,448
Brown lime and salt	1,511
Brown and blue lime	1,592
Brown lime and salt	1,630
Brown and blue lime	1,721
Lime and salt	1,985
Brown and grey lime	2,129
Brown lime and gypsum	2,140
Salt and lime	2,242
Brown lime and gypsum	2,252
Brown lime	2,292
Brown and grey lime	2,321
Brown lime	2,363
Brown lime and gypsum	2,374
Brown and grey lime	2,407
Grey lime	2,493
Shale	2,497

Sulphur water at 620 feet.

IMPERIAL OIL, LTD.

M. Neal No. 1, lot 21, con. VIII, Moore tp.

Driller: T. McMaster.
Completed December 31, 1952.
Producing gas well.
Rock pressure: 880 lb.

Formation	Depth, feet
Surface	135
Huron	281
Hamilton	546
Brown and grey lime	993
Sharp lime	1,193
Brown lime	1,270
Blue shale	1,305
Grey lime	1,334
Brown and blue lime	1,353
Blue shale and gypsum	1,440
Grey lime and shale	1,461
Salt and lime	1,654
Lime and gypsum	1,705
Salt and lime	1,712
Blue shale	1,781
Lime and salt	2,043
Brown lime	2,123
Lime and blue shale	2,183
Lime and gypsum	2,190
Gypsum and salt	2,198
Salt	2,262
Gypsum and salt	2,272
Lime and gypsum	2,278
Brown lime	2,314

Gas at 2,298–2,314 feet.
Show of oil at 2,278 feet.
Fresh water at 130 feet; sulphur water at 675 feet.

UNION GAS CO. OF CANADA, LTD.

J. Rattray No. 1, lot 1, con. IV, Moore tp.

Driller: Ehde and Meier.
Completed October 18, 1953.
Dry hole.

Formation	Depth, feet
Surface	87
Black shale	200
Hamilton	550
Brown lime	900
Brown lime and gypsum	980
Brown lime	1,030
Brown lime and gypsum	1,050
Brown lime	1,080
Sharp lime	1,260
Brown and grey lime	1,360
Blue and brown lime and gypsum	1,370
Grey, blue, brown lime	1,424
Blue and brown lime and gypsum	1,574
Brown and blue lime	1,895
Salt	1,979
Brown and grey lime	2,099
Lime and gypsum	2,117
Brown lime	2,135
Grey lime	2,220
Grey shale	2,223

Gas at 1,767, 1,787–93, and 2,123–35 feet.
Sulphur water at 700 and 730 feet.

Lambton County—Continued

UNION GAS CO. OF CANADA, LTD.

W. Robinson No. 1, lot 2, con. IV, Moore tp.

Driller: W. Kiser and Son.
Completed March 12, 1952.
Dry hole.

Formation	Depth, feet
Surface	100
Black shale	217
Hamilton	613
Brown lime	916
Brown lime and gypsum	922
Brown lime	1,078
Sharp lime	1,263
Brown lime	1,356
Blue lime and gypsum	1,362
Blue and brown lime	1,406
Blue lime and gypsum	1,412
Brown and blue lime	1,724
Brown and grey lime	1,895
Salt	1,978
Brown lime	2,045
Grey lime	2,136
Brown lime	2,152
Grey lime	2,247
Grey shale	2,250

Gas at 1,778–86, 1,858–64 and 2,141–52 feet.
Fresh water at 100 feet; sulphur water at 724 and 762 feet.

IMPERIAL OIL, LTD.

H. and M. Wellington No. 1, lot 20, con. XI, Moore tp.

Driller: Stubble and Stubble.
Completed January 15, 1952.
Dry hole.

Formation	Depth, feet
Surface	145
Black shale	234
Hamilton	510
Brown lime	745
Brown lime and gypsum	786
Brown lime	906
Sharp brown and grey lime and gypsum	965
Sharp brown lime	1,000
Brown lime and gypsum	1,038
Sharp brown and grey lime	1,088
Brown and blue lime	1,115
Brown lime	1,210
Brown and blue lime and gypsum	1,226
Blue, brown and grey lime	1,336
Brown and grey lime	1,380
Salt and grey lime	1,470
Brown and grey lime	1,506
Salt and brown lime	1,570
Hard brown lime	1,606
Salt and brown and grey lime	1,680
Brown lime	1,743
Brown and blue lime and gypsum	1,752
Brown and grey lime	1,761
Salt and grey lime	1,807
Brown and grey lime and shale	1,863
Brown lime and salt	2,164
Brown and grey lime	2,308
Salt	2,384
Brown lime and salt	2,393
Brown lime	2,518
Brown and grey lime	2,575
Grey lime	2,646
Blue shale	2,654

Show of oil at 2,388–409 feet.
Sulphur water at 640 feet; salt water at 2,418–25 feet.

IMPERIAL OIL, LTD.

A. and M. White No. 2, lot 17, con. VIII, Moore tp.

Driller: R. McPherson.
Completed March 11, 1952.
Producing oil well.

Formation	Depth, feet
Surface	140
Black and blue shale	226
Hamilton	485
Brown lime	683
Brown lime and gypsum	768
Brown lime	990
Sharp brown lime and sand	1,090
Brown lime	1,178
Blue shale and brown lime	1,376
Brown lime and salt	1,410
Brown lime	1,445
Lime and salt	1,520
Blue and brown lime	1,599
Lime and salt	1,609
Brown lime	1,620
Salt and lime	1,635
Blue shale and brown lime	1,698
Brown lime and salt	1,750
Salt and lime	1,983
Lime	2,135
Salt	2,233
Gypsum	2,243
Brown lime	2,381

Oil at 2,230–45 and 2,245–87 feet.
Sulphur water at 495 feet.

A. E. ROTH

H. Drope No. 1, lot 5, con. I, Plympton tp.

Driller: Demaray and Nichols.
Completed August 13, 1952.
Dry hole.

Formation	Depth, feet
Surface	169
Top rock	242
Upper soap	358
Middle lime	368
Lower soap	418
Dark-grey lime	424
Buff lime	515
Brown lime	685
Lime and gypsum	699
Brown lime	707

Fresh water at 169 feet; sulphur water at 550 feet.

IMPERIAL OIL, LTD.

R. MacKinley No. 1, lot 19, lake front, Plympton tp.

Driller: R. McMaster and Sons.
Completed June 30, 1952.
Dry hole.

Formation	Depth, feet
Surface	103
Black shale	163
Hamilton	470
Grey and brown lime	706
Brown lime and gypsum	751
Brown and grey lime	810
Brown lime and gypsum	873
Brown lime	982
Sharp brown and grey lime	1,175
Brown lime	1,303
Brown and blue lime	1,417
Blue lime, shale and salt	1,503
Salt and lime	1,606
Brown lime	1,633
Salt	1,704
Brown, blue and grey lime	1,823
Salt	1,845
Blue shale and blue lime	1,962
Brown lime, blue lime and salt	2,230
Brown and blue lime	2,374
Salt	2,477
Gypsum and salt	2,484
Gypsum and lime	2,490
Brown lime	2,609
Brown and grey lime	2,707
Grey shale	2,712

Fresh water at 102 feet; black water at 615 feet.

Lambton County—Continued

IMPERIAL OIL, LTD.

J. McKinley No. 1, lot 16, con. II, Plympton tp.

Driller: R. McMaster and Sons.
Completed August 2, 1952.
Dry hole.

Formation	Depth, feet
Surface	112
Black shale	176
Hamilton	442
Brown lime	575
Water sand	587
Brown and grey lime	1,010
Sharp blue lime	1,080
Brown lime	1,174
Brown lime and blue shale	1,355
Lime and salt	1,420
Brown lime	1,451
Salt and lime	1,523
Brown lime	1,574
Lime, salt and blue shale	1,837
Salt	1,921
Lime and salt	2,041
Grey and blue lime	2,147
Shale and salt	2,159
Salt	2,245
Lime and gypsum	2,261
Brown and grey lime	2,474
Grey shale	2,481

Fresh water at 115 feet; sulphur water at 575 feet.

IMPERIAL OIL, LTD.

F. and J. Nicol No. 1, lot 19, con. VIII, Plympton tp.

Driller: R. McMaster and Sons.
Completed May 9, 1952.
Dry hole.

Formation	Depth, feet
Surface	85
Black shale	145
Hamilton	438
Brown lime	570
Water sand	578
Brown lime	906
Sharp lime	922
Brown lime	966
Sharp brown lime	1,080
Brown lime	1,192
Blue and brown lime	1,414
Brown lime and salt	1,454
Brown lime	1,474
Lime and salt	1,548
Blue lime and gypsum	1,554
Brown lime	1,632
Lime and salt	1,674
Blue shale	1,760
Salt	1,790
Brown lime	1,814
Brown lime and salt	2,036
Brown and grey lime	2,180
Salt	2,260
Gypsum	2,268
Brown lime	2,445
Grey lime	2,505
Shale	2,511

Fresh water at 78 feet; sulphur water at 570 feet.

IMPERIAL OIL, LTD.

H. and J. Zonnerville No. 1, lot 18, con. I, Plympton tp.

Driller: R. McPherson.
Completed February 14, 1952.
Dry hole.

Formation	Depth, feet
Surface	92
Black shale	135
Grey lime	190
Grey lime and soap	295
Soap	370
Brown lime	385
Soap	430
Brown lime	615
Blue and brown lime	620
Brown lime and gypsum	691
Brown lime	717
Brown and grey lime	764
Black and brown lime	792
Brown lime	890
Sharp brown lime	925
Brown lime	940

Show of oil at 790 feet.
Fresh water at 80 feet; sulphur water at 560 feet.

IMPERIAL OIL, LTD.

S. and B. Beatty No. 1, lot 8, con. VI, Sarnia tp.

Driller: R. McPherson.
Completed May 19, 1952.
Dry hole.

Formation	Depth, feet
Surface	144
Black shale	151
Hamilton	404
Brown lime	550
Brown lime and gypsum	575

Show of gas at 412 feet.
Fresh water at 148 feet; sulphur water at 412 feet.

IMPERIAL OIL, LTD.

D. Kember No. 1, lot 13, con. V, Sarnia tp.

Driller: Stubble and Stubble.
Completed October 17, 1952.
Dry hole.

Formation	Depth, feet
Surface	114
Black shale	185
Hamilton	485
Brown and grey lime	863
Grey and brown lime and gypsum	995
Sharp grey lime	1,155
Grey and brown lime	1,260
Brown and blue lime	1,615
Grey lime and salt	1,755
Brown lime	1,803
Grey and brown lime and salt	1,866
Brown lime	1,896
Salt and lime	1,946
Blue, brown and grey lime	2,180
Grey and brown lime, salt, and shells	2,410
Brown lime	2,491
Grey lime	2,592
Brown lime	2,615
Grey lime	2,810
Grey shale	2,817

Fresh water at 112 feet; sulphur water 620–30 feet.

Lambton County—Continued

IMPERIAL OIL, LTD.

F. Robert and L. Pratt No. 1, lot 11, con. I, Sarnia tp.

Driller: Stubble and Stubble.
Completed March 12, 1952.
Dry hole.

Formation	Depth, feet
Surface	130
Black shale	153
Hamilton	432
Brown lime	690
Brown lime and gypsum	758
Brown lime	898
Sharp brown and grey lime	1,070
Brown and grey lime	1,191
Blue lime and gypsum	1,202
Brown lime and gypsum	1,211
Grey, brown and blue lime	1,290
Blue and brown lime	1,358
Salt and lime	1,432
Brown and grey lime	1,450
Brown lime and salt	1,524
Brown lime	1,549
Grey lime, salt and brown lime	1,617
Brown and grey lime	1,657
Brown lime and gypsum	1,665
Brown lime	1,699
Brown lime and gypsum	1,706
Brown lime and salt	1,760
Lime and shale	1,856
Grey lime, salt and brown lime	2,156
Brown and grey lime	2,303
Salt and lime	2,406
Salt, lime and gypsum	2,411
Brown lime	2,547
Grey lime and gypsum	2,555
Brown and grey lime	2,576
Grey lime	2,645
Grey shale	2,651

Fresh water at 128 feet; sulphur water at 565-73 feet.

IMPERIAL OIL, LTD.

E. and H. Underwood, No. 1, lot 11, con. II, Sarnia tp.

Driller: Stubble and Stubble.
Completed June 4, 1952.
Dry hole.

Formation	Depth, feet
Surface	113
Black shale	128
Hamilton	410
Brown lime	592
Brown lime and gypsum	741
Brown lime	838
Sharp brown and grey lime	1,046
Brown lime	1,118
Brown and grey lime and gypsum	1,123
Brown lime	1,162
Brown lime and gypsum	1,184
Brown, blue, black and grey lime	1,342
Brown lime and salt	1,458
Brown lime	1,478
Grey lime and salt	1,546
Brown lime	1,578
Grey lime and salt	1,666
Brown lime and gypsum	1,703
Grey and brown lime	1,721
Grey lime and gypsum	1,740
Grey and brown lime and salt	1,775
Brown lime and shale	1,804
Grey shale and brown lime	1,858
Grey and brown lime and salt	2,166
Brown and grey lime	2,315
Salt and lime	2,356
Salt	2,404
Salt and gypsum	2,413
Brown lime	2,541
Lime and gypsum	2,568
Brown lime	2,587
Grey lime	2,648
Grey shale	2,653

Show of gas at 627 feet.
Show of oil at 618 feet.
Sulphur water at 550 feet.

IMPERIAL OIL, LTD.

S. Baker No. 1, lot 4, con. XI, Sombra tp.

Driller: C. Carter.
Completed August 12, 1952.
Dry hole.

Formation	Depth, feet
Surface	172
Black shale	380
Hamilton	614
Grey lime and water sand	795
Brown lime and gypsum	828
Brown and grey lime	995
Sharp grey lime	1,120
Brown lime	1,197
Blue shale and grey lime	1,373
Grey lime and brown lime	1,441
Brown lime, blue shale and grey lime	1,585
Shale and salt	1,690
Salt	1,715
Grey lime	1,726
Lime and salt	1,820
Brown lime	1,948
Lime and shale	1,963
Gypsum and salt	1,983
Salt	2,035
Gypsum and salt	2,045
Brown lime	2,201
Blue lime	2,217
Grey lime	2,301
Grey shale and lime	2,320

Show of gas at 140, 168, 2,181, and 2,190 feet.
Show of oil at 2,181 feet.
Fresh water at 168 feet; sulphur water at 720 feet; black water at 945 feet; salt water at 2,181 feet.

IMPERIAL OIL, LTD.

B. Bicum No. 1, lot 21, con. XI, Sombra tp.

Driller: R. McMaster and Sons.
Completed March 10, 1952.
Dry hole.

Formation	Depth, feet
Surface	110
Black shale	300
Hamilton	523
Brown lime	596
Lime and water sand	751
Grey lime	820
Sharp sand and lime	1,006
Brown lime	1,100
Grey and blue lime and gypsum	1,138
Blue shale	1,199
Grey shale and lime	1,261
Brown lime	1,355
Blue shale, lime and gypsum	1,420
Lime and salt	1,621
Salt	1,700
Brown and grey lime	1,822
Lime and gypsum	1,836
Salt	1,890
Gypsum	1,896
Brown lime	2,008
Lime and gypsum	2,032
Brown lime	2,055
Brown and grey lime	2,168
Grey shale	2,175

Fresh water at 95 feet; sulphur water at 636 feet.

Lambton County—Continued

IMPERIAL OIL, LTD.

J. McKinley No. 1, lot 16, con. II, Plympton tp.

Driller: R. McMaster and Sons.
Completed August 2, 1952.
Dry hole.

Formation	Depth, feet
Surface	112
Black shale	176
Hamilton	442
Brown lime	575
Water sand	587
Brown and grey lime	1,010
Sharp blue lime	1,080
Brown lime	1,174
Brown lime and blue shale	1,355
Lime and salt	1,420
Brown lime	1,451
Salt and lime	1,523
Brown lime	1,574
Lime, salt and blue shale	1,837
Salt	1,921
Lime and salt	2,041
Grey and blue lime	2,147
Shale and salt	2,159
Salt	2,245
Lime and gypsum	2,261
Brown and grey lime	2,474
Grey shale	2,481

Fresh water at 115 feet; sulphur water at 575 feet.

IMPERIAL OIL, LTD.

F. and J. Nicol No. 1, lot 19, con. VIII, Plympton tp.

Driller: R. McMaster and Sons.
Completed May 9, 1952.
Dry hole.

Formation	Depth, feet
Surface	85
Black shale	145
Hamilton	438
Brown lime	570
Water sand	578
Brown lime	906
Sharp lime	922
Brown lime	966
Sharp brown lime	1,080
Brown lime	1,192
Blue and brown lime	1,414
Brown lime and salt	1,454
Brown lime	1,474
Lime and salt	1,548
Blue lime and gypsum	1,554
Brown lime	1,632
Lime and salt	1,674
Blue shale	1,760
Salt	1,790
Brown lime	1,814
Brown lime and salt	2,036
Brown and grey lime	2,180
Salt	2,260
Gypsum	2,268
Brown lime	2,445
Grey lime	2,505
Shale	2,511

Fresh water at 78 feet; sulphur water at 570 feet.

IMPERIAL OIL, LTD.

H. and J. Zonnerville No. 1, lot 18, con. I, Plympton tp.

Driller: R. McPherson.
Completed February 14, 1952.
Dry hole.

Formation	Depth, feet
Surface	92
Black shale	135
Grey lime	190
Grey lime and soap	295
Soap	370
Brown lime	385
Soap	430
Brown lime	615
Blue and brown lime	620
Brown lime and gypsum	691
Brown lime	717
Brown and grey lime	764
Black and brown lime	792
Brown lime	890
Sharp brown lime	925
Brown lime	940

Show of oil at 790 feet.
Fresh water at 80 feet; sulphur water at 560 feet.

Lambton County—Continued

IMPERIAL OIL, LTD.

F. Robert and L. Pratt No. 1, lot 11, con. I, Sarnia tp.

Driller: Stubble and Stubble.
Completed March 12, 1952.
Dry hole.

Formation	Depth, feet
Surface	130
Black shale	153
Hamilton	432
Brown lime	690
Brown lime and gypsum	758
Brown lime	898
Sharp brown and grey lime	1,070
Brown and grey lime	1,191
Blue lime and gypsum	1,202
Brown lime and gypsum	1,211
Grey, brown and blue lime	1,290
Blue and brown lime	1,358
Salt and lime	1,432
Brown and grey lime	1,450
Brown lime and salt	1,524
Brown lime	1,549
Grey lime, salt and brown lime	1,617
Brown and grey lime	1,657
Brown lime and gypsum	1,665
Brown lime	1,699
Brown lime and gypsum	1,706
Brown lime and salt	1,760
Lime and shale	1,856
Grey lime, salt and brown lime	2,156
Brown and grey lime	2,303
Salt and lime	2,406
Salt, lime and gypsum	2,411

IMPERIAL OIL, LTD.

S. Baker No. 1, lot 4, con. XI, Sombra tp.

Driller: C. Carter.
Completed August 12, 1952.
Dry hole.

Formation	Depth, feet
Surface	172
Black shale	380
Hamilton	614
Grey lime and water sand	795
Brown lime and gypsum	828
Brown and grey lime	995
Sharp grey lime	1,120
Brown lime	1,197
Blue shale and grey lime	1,373
Grey lime and brown lime	1,441
Brown lime, blue shale and grey lime	1,585
Shale and salt	1,690
Salt	1,715
Grey lime	1,726
Lime and salt	1,820
Brown lime	1,948
Lime and shale	1,963
Gypsum and salt	1,983
Salt	2,035
Gypsum and salt	2,045
Brown lime	2,201
Blue lime	2,217
Grey lime	2,301
Grey shale and lime	2,320

Show of gas at 140, 168, 2,181, and 2,190 feet.
Show of oil at 2,181 feet.
Fresh water at 168 feet; sulphur water at 720 feet; black water at 945 feet; salt water at 2,181 feet.

IMPERIAL OIL, LTD.

B. Bicum No. 1, lot 21, con. XI, Sombra tp.

Driller: R. McMaster and Sons.
Completed March 10, 1952.
Dry hole.

Formation	Depth, feet
Surface	110
Black shale	390
Hamilton	523
Brown lime	596
Lime and water sand	751
Grey lime	820
Sharp sand and lime	1,006
Brown lime	1,100
Grey and blue lime and gypsum	1,138
Blue shale	1,199
Grey shale and lime	1,261
Brown lime	1,355
Blue shale, lime and gypsum	1,420
Lime and salt	1,621
Salt	1,700
Brown and grey lime	1,822
Lime and gypsum	1,836
Salt	1,890
Gypsum	1,896
Brown lime	2,008
Lime and gypsum	2,032
Brown lime	2,055
Brown and grey lime	2,168
Grey shale	2,175

Fresh water at 95 feet; sulphur water at 636 feet.

IMPERIAL OIL, LTD.

E. and S. Smith No. 1, lot 26, con. I, Plympton tp.
Driller: R. McMaster and Sons.
Completed December 31, 1951.
Dry hole.

FK-691

Formation	Depth, ft.
Surface	64
Black shale	141
Hamilton	407
Brown and grey lime	1,202
Lime and gypsum	1,270
Brown lime	1,326
Lime, salt, and gypsum	1,370
Lime and salt	1,420
Grey lime	1,446
Lime and salt	1,543
Blue shale and gypsum	1,576
Lime and salt	1,698
Salt	1,857
Brown lime	1,996
Salt	2,071
Gypsum	2,080
Brown and grey lime	2,298
Rochester shale	2,308

Fresh water at 60 feet; sulphur water at 545 feet; salt water at 2,210 feet.

Imperial Oil Co #372
Remaining #1 lot 28 Con XIII
00'S 400'E Elev 685
mp Apr 3/53 Dry hole

urface	107
Black shale	131
Hamilton	460
Brown lime	500
Grey lime	629
Brown lime	732
Gypsum	753
Do & lime	767
Brown lime	971
Sharp lime	1121
Brown lime	1242
Blue & brown lime	1404
Brown lime & salt	1600
Blue & grey lime	1658
Salt	1672
Grey lime	1682
Salt	1769
Blue lime	1794
Salt & lime	1829
Brown lime	1854
Salt	2095
Brown & grey lime	2225
Salt	2290
Brown & grey lime	2550
Rochester (grey shale)	2570
Medina (red & blue shale)	2575

Fresh water 90' Sulphur water 620 ft

Lambton County - Continued

UNION-IMPERIAL - No. 32
D. Campbell No. 2
Moore Tp., Lot 9, Con. II.

Co-ordinates: 350' S., 75' E.
Elevation: 621' + 2'.
Driller: Wayne Kiser and Son.
Completed: October 22, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	112	112
Kettle Point	136	248
Hamilton	256	504
Brown lime	409	913
Sharp lime	195	1,108
Brown lime	90	1,198
Lime and gypsum	374	1,572
Salt and lime	248	1,820
Brown lime	144	1,964
Salt and lime	56	2,020
Brown lime	120	2,140
Lime and gypsum	28	2,168
Brown lime	56	2,224
Grey lime	63	2,287
Rochester	6	2,293

Water	Gas	Oil
Fresh at 110'	Show at 2,168' to 2,171'	Show at 2,168' to 2,171'
Sulphur at 623' to 663'		

CLAYTON DENNIS - No. 1
C. Dennis No. 1
Plympton Tp., Lot 8, Con. III.

Co-ordinates: 675' N., 160' E.
Elevation: 703' + 1'.
Driller: W. J. Hussey.
Completed: February 15, 1954.
Result: Producing gas well.
Reported flow: 4 M.C.F./day; W.H.P. -

Formation	Thickness feet	Depth feet
Surface	172	172
Top rock	58	230
Upper soap	120	350
Middle lime	17	367
Lower soap	48	415
Grey and buff lime	49	464

Water	Gas
Fresh at 172'	At 435', 450' and 459'

IMPERIAL OIL LTD. - No. 427
M. McPhedran No. 1
Plympton Tp., Lot 27, Con. III.

Co-ordinates: 1000' S., 300' E.
Elevation: 703' + 2'.
Driller: R. McMaster and Sons.
Completed: February 22, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	83	83
Black shale	68	151
Hamilton	277	428
Brown and grey lime	422	850
Sharp lime	153	1,003
Brown lime	108	1,111
Brown and grey lime and gypsum	139	1,250
Brown and grey lime	78	1,328
Salt	31	1,359
Grey lime	36	1,395
Salt and lime	58	1,453
Brown lime	91	1,544
Salt and lime	56	1,600
Brown and grey lime	89	1,689
Salt	10	1,699
Brown lime	21	1,720
Salt	203	1,923
Brown lime	27	1,950
Brown and grey lime	129	2,079
Salt	63	2,142
Brown lime	43	2,185
Brown and grey lime	107	2,292
Brown lime	48	2,340
Grey lime	43	2,383
Grey shale	8	2,391

Water
Sulphur at 550'

IMPERIAL OIL LTD. - No. 452
H. Hillier No. 1
Plympton Tp., Lot 6, Con. V.

Co-ordinates: 200' N., 900' W.
Elevation: 657' + 2'.
Driller: R. McPherson.
Completed: July 5, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	130	130
Black shale	58	188
Hamilton	297	485
Brown lime	495	980
Sharp lime	130	1,110
Brown lime	150	1,260
Brown and grey lime and gypsum	127	1,387
Salt	20	1,407
Brown lime	8	1,415
Salt	47	1,462
Grey lime and gypsum	21	1,483
Salt	52	1,535
Brown and grey lime	38	1,573
Salt	67	1,640
Brown and grey lime and gypsum	83	1,723
Salt	37	1,760
Brown lime and gypsum	85	1,845
Salt	295	2,140
Brown lime	60	2,200
Brown and grey lime	90	2,290
Salt	84	2,374
Brown lime	126	2,500
Grey lime, shale and gypsum	40	2,540
Brown lime	30	2,570
Grey lime	50	2,620
Grey shale	3	2,623

Water
Sulphur at 610'

Lambton County - Continued

IMPERIAL OIL LTD. - No. 440
F. Marshall No. 1
Sarnia Tp., Lot 8, Con. I.

Co-ordinates: 2000' S., 100' W.
Elevation: 634' + 2'.
Driller: R. McPherson.
Completed: May 21, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	150	150
Hamilton	248	398
Brown lime	337	735
Brown lime and gypsum	75	810
Sharp sand	205	1,015
Brown lime	99	1,114
Blue and brown lime and gypsum	196	1,310
Salt	31	1,341
Brown lime	4	1,345
Salt	39	1,384
Blue shale	36	1,420
Salt	25	1,445
Brown lime	10	1,455
Salt	30	1,485
Brown lime and shale	27	1,512
Salt	72	1,584
Grey shale	96	1,680
Salt	18	1,698
Grey shale	104	1,802
Salt	283	2,085
Brown lime	115	2,200
Grey lime and shale	48	2,248
Salt	87	2,335
Brown lime	115	2,450
Grey lime and shale	50	2,500
Brown lime	40	2,540
Grey lime	42	2,582
Grey lime and shale	3	2,585

Water
Fresh at 149'
Sulphur at 661' to 670'

IMPERIAL OIL LTD. - No. 421; Bickford No. 19
R. Glarneau No. 1
Sombra Tp., Lot 6, Con. XI.

Co-ordinates: 250' S., 50' E.
Elevation: 609' + 2'.
Driller: English and Mullin.
Completed: January 27, 1954.
Result: Producing gas well.
Reported flow: 2,400 M.C.F./day; W.H.P. 928 lbs.

Formation	Thickness feet	Depth feet
Surface	165	165
Black shale	205	370
Hamilton	222	592
Brown lime	158	750
Brown and grey lime	145	895
Sharp lime	208	1,103
Brown lime	97	1,200
Brown and grey lime and gypsum	321	1,521
Salt and lime	209	1,730
Brown lime	95	1,825
Gypsum	19	1,844
Brown lime	28	1,872

Water	Gas
Fresh at 160'	At 1,844' to 1,872'
Sulphur at 700'	

IMPERIAL OIL LTD. - No. 425
M. Crawford No. 2
Sombra Tp., Lot 14, Con. XI.

Co-ordinates: 500' S., 900' W.
Elevation: 602' + 2'.
Driller: R. McPherson.
Completed: February 10, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	131	131
Black shale	208	339
Hamilton	229	568
Brown lime	182	750
Brown and grey lime	120	870
Sharp lime	212	1,082
Brown lime	138	1,220
Blue, brown and grey lime	301	1,521
Lime and salt	19	1,540
Blue lime	5	1,545
Salt and lime	223	1,768
Brown lime and grey lime	142	1,910
Salt	56	1,966
Brown lime	114	2,080
Gypsum	10	2,090
Brown lime	70	2,160
Grey lime	59	2,219
Grey shale	11	2,230

Water	Oil	Gas
Fresh at 129'	Trace at 2,101'	Show at 1,980'
Sulphur at 680'	to 2,107'	to 1,991'
Salt at 2,106'		

IMPERIAL OIL LTD. - No. 433; Bickford No. 20
W. Young No. 1
Sombra Tp., Lot 6, Con. XII.

Co-ordinates: 300' N., 800' E.
Elevation: 611' + 2'.
Driller: R. McMaster and Sons;
Union Rotary Corporation
Completed: June 6, 1954.
Result: Producing gas well.
Reported flow: 4,100 M.C.F./day; W.H.P. 972 lbs.

Formation	Thickness feet	Depth feet
Surface	176	176
Black shale	194	370
Hamilton	220	590
Brown lime and gypsum	330	920
Sharp sand	163	1,083
Brown lime	75	1,158
Brown lime and gypsum	67	1,225
Blue and brown lime	293	1,518
Salt	10	1,528
Blue lime and shale	22	1,550
Salt	167	1,717
Brown lime	92	1,809
Gypsum	14	1,823
Brown lime	322	2,145
Grey lime	195	2,340
Rochester	20	2,360
Clinton	11	2,371
Green and red shale	4	2,375

Water	Oil	Gas
Fresh at 138' to 150'	Trace at 2,141' to 2,245'	At 1,823' to 2,077'

Section VIII: Sarnia Township

Chapter I: Lambton County

The Harkness Files
Volume IX
Lambton

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SARNIA

Elmcoe Transcript May 27th 1895

Boring at Sarnia test well has been resumed and it is now 1500 ft deep. The only rock salt penetrated was but a few inches in thickness

Elmcoe Transcript Nov 12th 1896

"Drilling operations for oil has been progressing in Sarnia township for some time past and two good oil wells were struck on farms about eight miles from Sarnia. Both wells were reported to be gushers and excitement in the district is at fever heat"

Elmcoe Transcript Oct 21st 97

A Company will bore for oil at Pt Edward

Elmcoe Transcript Jany 20th 98

The test well has found oil at Pt Edward at 525 feet This first oil in this vicinity More wells will be drilled

---

Brunnell G.S.C. 1891 p. 170 ss.

The Petroleum Topics gives the number of operating wells in Sarnia township is 187 wells

SARNIA TWP

Ont Bur Mines Vol. VIII pt I 1898 p. 14-15

A small field south of the London Rd in Sarnia Twp has been added to the producing territory

Wheatley Journal Jany 16th 02

While drilling for salt at Sarnia a tremendous flow of gas was struck. It took 10 hours to get the gas under control. The flame could be seen for miles

Thamesville Herald Apr 8th 1898

The third oil well at Pt Edward was shot yesterday

St Thomas Times Sept 15th 91

REFINERY

Tenders for the purchase of the Sarnia Oil Co plant consisting of refining machinery and pipe line were opened at 5 o'clock on Sat afternoon, by the liquidator. The tenders are as follows J S Nesbitt $2000 Sam. Alger $20 000 J L Englehart $1015 The value of the property is $150 000

Do Oct 16th 91

At Osgood Hall judgment in the appeal against the sale of the Sarnia Oil Co's property to Sam Alger was reversed (Oct 20th) Appeal dismissed.

Kingsville Reporter Oct 29th 1897. (Chatham Banner

Joseph Patterson of Northern Hotel Sarnia sunk a well in the rear of the hotel and struck gas at 560 feet pressure 100 psi

Do. Jany 13 (1898?)

A new oil field promises to open at Pt Edward oil was struck in a well at 545 ft First test in the vicinity

Thamesville Herald July 29th 1897

A gas well is being sunk by the Sarnia Agricultural manufacturing Co If this is successful many others will be drilled

WDB

SARNIA TWP

Chatham Planet May 6th 98 (Sarnia Canadian)

Mr McFall of Ohio - Penn Oil Dev Co reports a stroke of oil on Geo Knights farm lot 1 Con VI Sarnia Twp at 1424 ft he struck a huge flow of gas which after a week turned to water and about 10 days ago oil & water flowed his definite report on oil but 20 bbls a conservative. The flow of gas is so mixed with oil & water that it does not separate readily. Some 40 bbls was dipped out to a depression in the ground, and ditches carry away large quantities the flow of water is so great that the 30 bbl tanks on the property fill before separation takes place. A 500 bbl tank is being built.

A singular circumstance is that the Knight well has completely taken away the gas from the big gas well on the Milner farm struck last fall by Brewer & Stokes.

SARNIA

Chatham Plant

July 3rd 1909. Natural gas is to be supplied to Sarnia from the Dilberry field. Chatham feels that their citizens have a very large investment in equipment and that no other markets should be secured from Dilberry field until Chatham was assured of a 20 year supply. The Imperial Oil Refinery will undoubtedly draw all the gas available.

Aug 12th 1909 The Union Petroleum Co of Buffalo has purchased 80 miles of pipe from National Supply Co of Pittsburg that was made 20 years ago and has been in the ground 15 years in the Fort Wayne field in Indiana. The pipe will be laid in the Dilberry-Sarnia line. It is in good shape.

Nov. 14th 1909

Mr Patterson of Northern Pipe Line Co reports that they have 45 miles of pipeline finished between the Dilberry field and Sarnia and will complete same shortly. Messrs R.W. Booth, J.J. Driscoll and W.G. Ryan left for Sarnia this AM.

Nov. 17th 1909.

Sarnia is to have natural gas service on Dec 15th. Manager Williams has completed the laying of nine miles of 1.P. line around the City and hundreds of new services for customers.

James Record July 7th 1909

Sarnia by a majority of 511 voted to extend the franchise of the Sarnia Gas & Electric Co for a term of 20 years. The Sarnia Gas Co has completed a contract to pipe gas from the Dilberry field and sell it for 14 cents to industries and 30¢ for domestic use.

Thamesville Herald Dec 9th 1898 SURFACE GAS

Pat Meaton at Bakers Point one mile below Port Lambton has struck a gushing gas well that throws sand and water 100 ft in the air. Since the well at Natural Reserve was completed two weeks ago the pressure has increased considerably and is used in the hotel for cooking & heating.

Copied Sombra

G.S.C. ~~Summary~~ Rep^t Progress ~~1874-75 p 208~~ 1866 p 246

Several wells sunk along the Sydenham River in the twp of Sombra & Camden present a considerable thickness of black shales overlying the grey Hamilton shales. On the South Branch of the Sydenham River lot 12 Con VII Sombra not more than 10 ft above the river 112' clay 100' black shale 100'+ in soapstone. Similar results were obtained on an adjoining lot. While another on lot 12 Con X gave clay 120' black shale 20' soap 60+

Chatham Planet July 8th 1916

Mr D L McKay a director of the Union Gas Co has announced that a new 10" plain end pipe line will be laid from Bothwell to the Tilbury field to replace the present line which is small and in bad shape. The distance is 57 miles. Work will begin weather permitting

SARNIA

Dresden Times Nov 9th 1911

Sarnia is to have a big boom. The Imperial Oil Co will spend over ½ million dollars in new York wards. This means work for over 200 men

SARNIA TWP

Edmund Journal July 23rd 1914

"Sarnia - Petrolia gas men will sink
test wells on the Indian Reserve near Sarnia"

SARNIA CITY

Chatham News Feb 26th 1920

Gas hearing opens in Sarnia with Wm Barrett of Pt Edward stating that even in mild weather the supply in Pt Edward was not sufficient. Mayor Nesbitt said that some people who were entirely dependent on gas for heat had really suffered He said that he had found by enquiry that no industry was using gas to any extent.

Chatham News Sept 3rd 1920 Sarnia

Gas Comr Esther stated that no crisis (cut off?) would be allowed in the province. Sarnia council is under heavy criticism for having agreed to the rates offered by the Gas Co. It is thought that better rates would have been achieved had they waited.

Do Sept 20th 1920 See Dawn

J W James ~~states~~ that other parties are to drill Mun Co leases in Dawn and any gas found is to be reserved for Sarnia or any other place that agrees to pay the increased rates

Do Jany 18th 1921

Pressure in Sarnia less than one ounce

Wells in Sarnia Indian Reserve

J D Simpson Farm tot 15 Block A

Surface	124	Gas Oil and water @ 480 ft	
Shale lime streaks	32		
Shale & lime	324		
Limestone	15		
	495		

20 Mault Gas

Petersons well 1887

Surface	200	200	
Black shale	15		
Limestone	150		show gas
Shale	85		at 330 & 515
Limestone	5		
Shale	60		Salt water
Lime	170		672-685
	685		

Sarnia City. Kings Grist Mill Rd. Agricultural Works Well prior 1890

Elev 589.

Surface	120	Water	
Black shale	36	Fresh	120
Lime	30	Salt	624
Shale	263	Show gas	400
Lime	5		
Shale	15	Casing	495
Lime	60		
" gray	100		
" hard	1216		
" hard shaly	200		
" anhydrite gypsum	105		
	1505		

Surface	130	Casing 140
Black shale	80	
Limestone	80	Small gas 515
Shale	160	
Lime	5	Salt water 645
Shale	60	
Limestone	150	
	665	

Dickens well cor Rose & Tecumseh

Surface	200	
Lime	90	20 Mault gas
Shale	100	at 473
Lime	5	
Shale	68	no water
Lime	77	
	540	

~~PLYMPTON~~ — SARNIA ~~Pool~~ Copies Plympton

G.S.C. Summary Rept. Pt. E. 1918. p. 33.

"The oil field in Plympton-Sarnia townships is little more than one mile distant from the N.W. extension of the Petrolia Field. The rock structure is a low anticline with axis extending about N.W. by W. The elevation of the oil formation is about the same as in the Moore field."

"The following is a typical log, taken from the files of the Water-Boring Div^n of the G.S.C.

Location in N½ of lot 4 Con VI Sarnia twp.

Surface	106	106
Upper wash bo.	47	153
Petrolia sh.	123	276
Widder beds.	10	286
Olentangy sh.	52	338
Dolomite and Onondaga	132	470

Some oil at 440.

The oil field has, from its first development, produced a considerable quantity of gas which, except for the small amount used in gas engines for pumping oil, or for fuel at farm houses, has been burned as ~~fool~~ flares in the vicinity of farm buildings. This very considerable waste of gas has been defended by the argument that oil could not be pumped from the wells unless the gas pressure was lowered, and the pressure of gas made the oil cheap and of comparatively small value. In recent years the oil production has fallen off until it is now very small, but the waste of gas has continued. During the summer of 1918, however, the Provincial Gas Inspector, Mr. John Scott of Petrolia, has ordered the gas in that part of the field not producing oil to be shut in, and he has urged the oil operators to conserve the gas as much as possible.

Copies Plympton

"The Plympton-Sarnia field has fallen into poor condition, and operations are now principally carried on by farmers during slack times. In the opinion of local men, a considerable production could still be obtained from this field with careful, efficient management."

SARNIA TWP. OIL FIELD
INDIAN RESERVE

"A very small oil field, on the Indian Reserve, about one mile south of Sarnia Tunnel Station, is still equipped and may be capable of producing a few barrels of oil per month from four or six wells. When visited in August 1918, it was shut down.

The oil has accumulated in what appears to be a small fold extending from the Moore field. The formation is very low for oil production, and the field is one of the smaller areas of oil producing rock which forms outliers to the large field. Following is a typical log.

Location. McGregor farm lot 16 Con III Sarnia

Surface	120	120	
Huron Blackshale	30	150	Gas oil at 480
Upperwash limestone	20	170	Oil at 518
Vitalia shale	360	430	
Widder beds	45	475	
Olentangy shale			
Delaware and Onondaga.	55	530	

Log of well at Sarnia
Ont Bur Mines Vol XX pp 254-255 1911

	Thickness	Total
Drift	122	122
Shale black	40	162
Limestone	80	242
Shales	185	427
Limestone	30	457
Shales	46	503
Lime	987	1490
Gypsum	5	1495
Shale & salt	15	1510
salt	56	1566
Shale	18	1584
salt	30	1614

10	2	E. L. Roth..... M. Lumley No. 1.	630 ft. N. of R.R..... 330 ft. E. of W. line.	1950	706	550	"	.....	.....	Dry	.....	170	Fresh water at 175 ft. Sulphur water at 545 ft. Shows of gas and oil at 432 ft.
14	2	Imperial Oil Ltd..... James Gray No. 1.	150 ft. S. of N. line..... 75 ft. E. of W. line.	1947	700	2,589	Kettle Point	.....	.....	Dry	.....	136	Fresh water at 136 ft. Sulphur water at 562 ft. Show of oil at 597 ft. Show of gas at 570 ft.
16	2	Imperial Oil Ltd..... J. MacKinley No. 1	2,200 ft. S. of N. line..... 100 ft. W. of E. line	1952	704	2,481	"	.....	.....	Dry	.....	[illegible]	Fresh water at 115 ft. [illegible] water at 575 ft.

WELLS IN SARNIA

Lot	Con	Designation	Location	Year Drilled	Elev.	Total Depth	Bedrock Form	Depth to Production	Prod Form	Initial Prod.	RP	Thickness of Drift	Remarks
17	VI	W Rimper #1	255' S. of Hy 300' E of CNR	1947	599	623	Kettle Point	580-585	Dundee	10 M	125	117	Fresh water 117'; Salt water 623
11	VII	A. Pearson #1	450' N - 40' E	1948	599	525	"	--	--	Dry	---	120	Salty water, 130 Show gas 520
9	VIII	N R Jackson #1	240' E - 30' N	1946	595	490	Hamilton	475	"	25 M	95	138	
15	X	Imperial Oil Co E. Smith #1	100' S - 100' E	1952	606	2200	Kettle Point	--	--	Dry	--	130	Fresh water 120 Sulphur water 670

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Wells in Sarnia Township, Lambton County

25	R.F.	Dow Chemical Co. of Canada Ltd. No. 5.	110 ft. N. of S. line..... 3,580 ft. W. of highway No. 40.	1950	606	2,628	Kettle Point	.....	.....	Dry	.....	120	Salt well.
25	R.F.	Dow Chemical Co. of Canada Ltd. No. 4.	110 ft. N. of S. line..... 3,540 ft. W. of highway No. 40.	1951	606	4,849	"	.....	.....	Dry	.....	120	Salt well.
27	R.F.	Dow Chemical Co. of Canada Ltd. No. 6.	96 ft. N. of S. line..... 3,209 ft. W. of highway No. 40.	1952	.....	1,700	"	.....	.....	Dry	.....	100	Salt well.

Lot	Con.	Designation	Location	Year drilled	Altitude in feet above sea-level	Depth in feet	Bedrock formation	Producing depth in feet	Producing formation	Yield Mcf. or bbls.	Pressure in lbs. sq. in.	Thickness of drift in feet	Remarks
29	R.F.	Dow Chemical Co. of Canada Ltd. No. 2.	10 ft. S. of N. line..... 3,150 ft. W. of highway No. 40.	1948	604	2,695	Kettle Point	.....	.....	.....	.....	110	Salt well.
30	R.F.	Dow Chemical Co. of Canada Ltd. No. 3.	100 ft. N. of S. line..... 3,150 ft. W. of highway No. 40.	1950	604	2,648	"	.....	.....	Dry	.....	102	Sulphur water at 674 ft. Salt water at 2,476 and 2,490 ft. Salt well.
30	R.F.	Dow Chemical Co. of Canada Ltd. No. 1.	34 ft. N. of S. line..... 3,150 ft. W. of highway No. 40.	1947	604	2,720	"	.....	.....	Dry	.....	109	Fresh water at 107 ft. Sulphur water at 680 ft. Shows of gas at 385 and 515 ft. Show of oil at 2,690 ft. Salt well.
A	I.R.	Francis Shaw Construction Co. No. 1.	10 ft. N. of Shamrock St. 125 ft. E. of highway No. 40.	1944	.....	586	"	246 275	Hamilton	?	.....	115	Salt water at 586 ft. Show of oil at 475 ft. Private gas well.
5	A	Camlachie Oil Exploration Ltd. J. A. Lamont No. 1.	1,575 ft. N. of S. line..... 750 ft. W. of E. line.	1949	595	524	"	.....	.....	Dry	.....	100	Fresh water at 215 ft.
7	A	Camlachie Oil Exploration Ltd. Ed. Lusk No. 1.	1,300 ft. N. of S. line..... 375 ft. W. of E. line.	1949	569	515	"	.....	.....	Dry	.....	100	Fresh water at 215 ft.
11	1	Imperial Oil Ltd..... F. Robertand L. Pratt No. 1.	1,000 ft. N. of S. line..... 750 ft. W. of E. line.	1952	644	2,651	"	.....	.....	Dry	.....	130	Fresh water at 128 ft. Sulphur water at 565 and 573 ft.
11	2	Imperial Oil Ltd..... H. Underwood No. 1.	600 ft. W. of E. line..... 100 ft. N. of S. line.	1952	638	2,653	"	.....	.....	Dry	.....	113	Sulphur water at 550 ft. Show of oil at 618 ft. Show of gas at 627 ft.
13	5	Imperial Oil Ltd..... D. Kember No. 1.	1,450 ft. S. of N. line..... 350 ft. E. of W. line.	1952	605	2,817	"	.....	.....	Dry	.....	112	Fresh water at 112 ft. Sulphur water at 620 ft.
8	6	Imperial Oil Ltd..... S. Beatty No. 1.	300 ft. N. of S. line..... 860 ft. E. of W. line.	1952	608	575	"	.....	.....	Dry	.....	144	Fresh water at 148 ft. Sulphur water at 412 ft. Show of gas at 412 ft.
9	6	Frank Jackson No. 1.....	500 ft. E. of W. line..... 200 ft. S. of N. line.	1949	605	558	Hamilton	.....	.....	Dry	.....	153	Fresh water at 155 ft. Salt water at 513 ft.
17	6	H. M. Doupe No. 1.....	270 ft. N. of highway No. 7. 105 ft. E. of C.N.R.	1947	600	523	Kettle Point	491	Dundee	14 Mcf.	160	117	Fresh water at 125 ft.

17	6	W. Rimper No. 1	255 ft. S. of highway No. 7. 300 ft. E. of C.N.R.	1947	599	623	"	580–585	Dundee	10 Mcf.	125	117	Fresh water at 117 ft. Salt water at 623 ft.
11	7	A. Pearson No. 1	450 ft. N. of S. line..... 40 ft. E. of W. line.	1948	599	525	"	.....	.....	Dry	.....	120	Salty water at 130 ft. Show of gas at 520 ft.
9	8	N. R. Jackson No. 1	240 ft. E. of W. road.... 30 ft. N. of S. road.	1946	595	490	Hamilton	475	Dundee	25 Mcf.	95	138	
15	10	Imperial Oil Ltd..... E. Smith No. 1.	100 ft. S. of N. line..... 100 ft. E. of W. line.	1952	606	2,200	Kettle Point	.....	.....	Dry	.....	130	Fresh water at 120 ft. Sulphur water at 670 ft.

Wells in Sombra Township, Lambton County

A	5	Imperial Oil Ltd..... H. and G. Innes No. 1.	1,860 ft. S. of N. line..... 50 ft. W. of E. line.	1947	584	2,165	Kettle Point	.....	.....	Dry	.....	147	Fresh water at 147 ft. Salt water at 698 and 1,881 ft.
3	5	Imperial Oil Ltd..... Glendenning Payne No. 1.	950 ft. S. of N. line..... 584 ft. W. of E. line.	1947	580	412	"	.....	.....	Dry	.....	138	Fresh water at 136 ft.
4	5	Imperial Oil Ltd..... E. Jarvis No. 1.	1,730 ft. S. of N. line..... 860 ft. W. of E. line.	1950	581	1,980	"	1,936–1,942	Salina	20–25 bbls. 150 Mcf.	.....	130	Fresh water at 128 ft. Sulphur water at 700 ft.
4	5	Imperial Oil Ltd..... A. Fruytier No. 1.	3,590 ft. S. of N. line..... 70 ft. W. of E. line.	1950	579	1,964	"	1,929–1,934	Salina	5-10 bbls. 200 Mcf.	.....	125	Fresh water at 128 ft. Salt water at 655 ft.
5	5	Imperial Oil Ltd..... E. Dejonghe No. 1.	800 ft. S. of N. line..... 175 ft. W. of E. line.	1949	582	1,950	"	1,920–1,934 1,911–1,915	Salina	33 bbls. 250 Mcf.	.....	130	Salt water at 640 ft.
5	5	Imperial Oil Ltd..... E. Dejonghe No. 2.	800 ft. S. of N. line..... 1,075 ft. W. of E. line.	1949	581	1,960	"	1,920–1,945	Salina	50 bbls. 100 Mcf.	.....	133	Fresh water at 127 ft. Salt water at 625 ft.
5	5	Imperial Oil Ltd..... E. Dejonghe No. 3.	1,730 ft. S. of N. line..... 70 ft. E. of W. line.	1949	581	1,967	"	1,927–1,937	Salina	80 bbls. 300 Mcf.	.....	135	Fresh water at 126 ft. Salt water at 605 ft.
5	5	Imperial Oil Ltd..... E. Dejonghe No. 4.	800 ft. S. of N. line..... 50 ft. E. of W. line.	1950	584	1,980	"	.....	.....	Dry	.....	175	Fresh water at 128 ft. Salt water at 611 ft.
5	5	Imperial Oil Ltd..... E. Dejonghe No. 5.	1,730 ft. S. of N. line..... 1,075 ft. W. of E. line.	1950	582	1,965	"	1,923–1,925 1,932	Salina	5-10 bbls. 1,250 Mcf.	750	144	Fresh water at 135 ft. Salt water at 642 ft.
5	5	Imperial Oil Ltd..... H. Shellar No. 1.	1,735 ft. N. of S. line..... 157 ft. W. of E. line.	1948	579	1,985	"	.....	.....	Dry	.....	139	Fresh water at 139 ft. Sulphur water at 615 ft. Salt water at 1,975 ft.
5	5	Imperial Oil Ltd..... H. Shellar No. 2.	2,660 ft. S. of N. line..... 70 ft. E. of W. line.	1950	580	2,048	"	1,915	Salina	10 bbls. 250 Mcf.	.....	130	Sulphur water at 665 and 778 ft.

Wells in Sombra Township, Lambton County—Continued

Lot	Con.	Designation	Location	Year drilled	Altitude in feet above sea-level	Depth in feet	Bedrock formation	Producing depth in feet	Producing formation	Yield Mcf. or bbls.	Pressure in lbs. sq. in.	Thickness of drift in feet	Remarks
6	5	Imperial Oil Ltd..... John DeWeyn No. 1.	2,588 ft. N. of S. line..... 370 ft. W. of E. line.	1948	580	1,930	Kettle Point	1,892–1,907	Salina	5 bbls. 250 Mcf.	.....	128	Fresh water at 128 ft. Salt water at 610 ft.
6	5	Imperial Oil Ltd..... John DeWeyn No. 2.	2,650 ft. N. of S. line..... 720 ft. E. of W. line.	1949	581	1,942	"	.....	.....	Dry	.....	177	Salt water at 580 ft. Show of oil at 1,905 ft.
6	5	Imperial Oil Ltd..... John DeWeyn No. 3.	800 ft. S. of N. line..... 720 ft. E. of W. line.	1950	582	1,956	"	1,906	Salina	10 bbls. 100 Mcf.	.....	130	Fresh water at 127 ft. Sulphur water at 615 ft.
6	5	Imperial Oil Ltd..... McEvoy Bros. No. 1.	1,720 ft. N. of S. line..... 720 ft. E. of W. line.	1947	580	1,926	"	1,911–1,926	Salina	20 bbls. 300 Mcf.	825	147	Fresh water at 130 ft. Salt water at 515, 590, and 716 ft.
6	5	Imperial Oil Ltd..... McEvoy Bros. No. 2.	1,730 ft. N. of S. line..... 375 ft. W. of E. line.	1947	580	1,925	"	1,905–1,925	Salina	30 bbls. 300 Mcf.	.....	142	Salt water at 598, 796, and 920 ft.
6	5	Imperial Oil Ltd..... McEvoy Bros. No. 3.	728 ft. N. of S. line..... 370 ft. W. of E. line.	1947	578	1,972	"	.....	.....	Dry	.....	142	Fresh water at 142 ft. Salt water at 624 and 679 ft.
7	5	Imperial Oil Ltd..... P. and G. DeKort No. 5.	1,750 ft. N. of S. line..... 560 ft. E. of W. line.	1948	583	1,960	"	1,903–1,919	Salina	6 bbls. 350 Mcf.	.....	100	Salt water at 620 ft.
7	5	Imperial Oil Ltd..... John Flynn No. 1.	850 ft. S. of N. line..... 650 ft. E. of W. line.	1947	583	2,015	"	.....	.....	Dry	.....	141	Fresh water at 195 ft. Sulphur water at 625 ft. Black water at 775 ft. Black sulphur water at 1,020 ft. Show of gas at 150 ft.
7	5	Imperial Oil Ltd..... J. Flynn No. 2.	800 ft. S. of N. line..... 430 ft. W. of E. line.	1950	589	1,932	"	1,901–1,905	Salina	5-10 bbls. 100 Mcf.	.....	128	Fresh water at 120 ft. Salt water at 615 ft.
7	5	Imperial Oil Ltd..... P. and G. DeKort No. 3.	1,750 ft. N. of S. line..... 500 ft. W. of E. line.	1947	579	1,930	"	1,880–1,911	Salina	10 bbls.	.....	122	Fresh water at 124 ft. Salt water at 505, 610, and 655 ft.
7	5	Imperial Oil Ltd..... P. and G. DeKort No. 7.	800 ft. N. of S. line..... 500 ft. W. of E. line.	1950	589	1,941	"	1,902–1,910	Salina	10-15 bbls. 150 Mcf.	.....	130	Fresh water at 120 ft. Sulphur water at 620 ft. Show of gas at 115 ft.
8	5	Imperial Oil Ltd..... P. and G. DeKort No. 1.	1,750 ft. N. of S. line..... 525 ft. E. of W. line.	1947	580	1,920	"	1,887–1,908	Salina	16 bbls.	800	112	Fresh water at 105 ft. Salt water at 625 and 1,105 ft.
8	5	Imperial Oil Ltd..... P. and G. DeKort No. 2.	580 ft. W. of E. line..... 800 ft. N. of S. line.	1947	579	1,893	"	1,881	Salina	2 bbls.	.....	102	Salt water at 590 ft.

4	4	John Leighton	SW. Corner	1889	632	545	Kettle Point	.....	.....	Dry	.....	100	
34	4	Wm. Windover	65 ft. E. of W. line, 176 ft. S. of N. road	1942	.....	592	"	.....	.....	Dry	.....	118	Fresh water at 118 ft. Show gas at 592 ft.
2	6	J. and W. Milner No. 4	2,450 ft. S. of N. road, 50 ft. W. of centre line	1898	619	477	Hamilton	430	Norfolk	2 bbls.	.....	104	
3	6	Geo. Steel	400 ft. S. of N. road, 700 ft. E. of W. line	1926	610	393	"	.....	.....	.....	.....	100	
4	6	Wm. Booth	NE. Corner	1905	606	470	"	440	Norfolk	1 bbl.	.....	106	
5	6	J. A. Beatty	NW. Corner	1898	605	470	"	.....	.....	Dry	.....	112	Show oil at 412 ft.
13	6	Sarnia Gas and Oil Co	200 ft. S. of N. road, 800 ft. W. of E. line	1923	601	547	Kettle Point	540	Norfolk	94 Mcf.	112	100	Water at 170 ft.
2	7	Robt. Morrison	100 ft. N. of S. road, 600 ft. W. of E. line	1897	613	525	"	.....	.....	Dry	.....	47	
3	7	Thos Bulman	350 ft. N. of S. road, 30 ft. E. of W. road	1897	609	475	Hamilton	.....	.....	Dry	.....	102	Show oil at 430 ft.
5	7	J. Pulse	2,200 ft. S. of N. road, 700 ft. E. of W. line	1901	602	470	"	.....	.....	Dry	.....	97	
5	7	A. E. Randall	3,000 ft. N. of S. road, 300 ft. E. of W. line	1904	596	472	"	.....	.....	Dry	.....	111	Salt water at 465 ft. Show oil at 435 ft.
7	7	Geo. Rooney	2,900 ft. N. of S. road, 800 ft. W. of E. road	1904	603	475	"	.....	.....	Dry	.....	121	
8	7	Sarnia Gas and Oil Co. Hancock No. 2	1,100 ft. S. of blind line, 50 ft. W. of E. line	1904	603	471	"	471	Norfolk	100 Mcf.	99	123	
8	7	Sarnia Gas and Oil Co. Hancock No. 3	25 ft. S. of blind line, 950 ft. W. of E. line	1904	599	474	"	.....	.....	100 Mcf.	99	123	
8	7	Sarnia Gas and Oil Co. Hancock No. 1	NE. Corner	.....	598	471	"	405	Norfolk	100 Mcf.	99	123	
13	7	Macklin Farm	3,500 ft. N. of S. road, 1,000 ft. W. of E. road	1921	593	525	"	525	"	35 Mcf.	88	126	
13	7	Sarnia Gas and Oil Co. Craig No. 1	450 ft. S. of N. line, 50 ft. W. of E. road	1921	592	524	"	430	"	50 Mcf.	135	122	
13	7	Sarnia Gas and Oil Co. H. Kimber	2,600 ft. N. of S. road, 1,550 ft. W. of E. road	1921	592	530	"	300	"	75 Mcf.	98	120	Show of oil.
14	7	Sarnia Gas and Oil Co. G. Kimber	3,800 ft. N. of S. road, 50 ft. W. of E. line	1921	593	540	"	530	"	255 Mcf.	127	120	
16	7	Sarnia Gas and Oil Co. McDonald No. 2	2,200 ft. N. of S. road, 1,000 ft. W. of E. road	1922	591	562	.....	562	"	10 Mcf.	.....	106	
16	7	Sarnia Gas and Oil Co. McDonald No. 1	3,100 ft. N. of S. road, 1,300 ft. W. of E. road	1922	592	563	Kettle Point	.....	.....	40 Mcf.	90	110	

Wells in Sarnia Township, Lambton County—Concluded

Lot	Con.	Designation	Location	Year drilled	Altitude in feet above sea-level	Depth in feet	Bedrock formation	Producing depth in feet	Producing formation	Yield Mcf. or bbls.	Pressure in lbs. sq. in.	Thickness of drift in feet	Remarks
17	7	Sarnia Gas and Oil Co. Marks No. 2	3,500 ft. N. of S. road 900 ft. W. of E. line	1922	592	578	Kettle Point	513	Norfolk	10 Mcf.	.....	100	
17	7	Sarnia Gas and Oil Co. Marks No. 1	1,650 ft. N. of S. road 850 ft. W. of E. line	1922	591	571	"	556	"	20 Mcf.	.....	100	
18	7	Sarnia Gas and Oil Co. Fraleigh No. 1	1,300 ft. N. of S. road 200 ft. W. of E. line	1921	593	569	"	569	"	20 Mcf.	215	111	
18	7	Sarnia Gas and Oil Co. Schane No. 1	2,400 ft. N. of S. road 30 ft. W. of railway	1921	593	577	"	567	"	45 Mcf.	150	106	
18	7	Sarnia Gas and Oil Co. D. Elnor	SE. Corner	1921	596	596	"	.....	.....	Dry	.....	111	
19	7	Sarnia Gas and Oil Co. E. Gibbs	1,250 ft. N. of S. road 1,000 ft. W. of E. road	1921	598	610	"	575	Norfolk	.....	.....	112	Abandoned.
19	7	Sarnia Gas and Oil Co. D. Perry	2,250 ft. N. of S. line 250 ft. E. of W. line	1921	591	549	"	537	"	.....	.....	125	Abandoned.
8	8	Sarnia Gas and Oil Co.	SW. Corner	1921	597	.....	.....	.....	.....	.....	.....	.....	
8	8	Sarnia Gas and Oil Co.	SE. Corner	1923	598	480	Hamilton	.....	.....	Dry	.....	125	Show gas at 465 ft.
9	8	Sarnia Gas and Oil Co.	SW. Corner	1921	595	490	"	490	Norfolk	35 Mcf.	89	138	
13	8	Sarnia Gas and Oil Co.	1,550 ft. N. of S. line 900 ft. W. of E. line	1921	589	555	"	.....	.....	Dry	.....	139	Show of gas at 555 ft.
4	I.R.	W. G. Dickenson	NW. Corner	1928	620	598	Kettle Point	.....	.....	Dry	.....	120	Show of gas.
5	I.R.	J. L. McRitchie	600 ft. S. of N. line 800 ft. E. of W. road	1924	625	518	"	.....	.....	Dry	.....	121	Show gas at 121, 146, and 476 ft.
9	I.R.	Alloy Steel Co.	SE. Corner	1924	623	548	"	471	Norfolk	60 Mcf.	.....	118	
15	I.R.	J. D. Simpson	800 ft. S. of N. road 500 ft. E. of W. line	.....	628	495	"	480	"	20 Mcf.	.....	124	
16	I.R.	L. R. McRitchie	1,500 ft. S. of N. line 50 ft. E. of W. line	.....	622	530	"	.....	.....	.....	.....	120	Oil well.
City of Sarnia		Dominion Salt Co. No. 1	800 ft. N. of London road 100 ft. W. of Railway	.....	583	.....	.....	.....	.....	.....	.....	.....	Salt well.

		Dominion Salt Co. No. 2	200 ft. N. of London road 100 ft. W. of Railway		583								Salt well.
	City of Sarnia	Dominion Salt Co. No. 3	700 ft. N. of London road 100 ft. E. of Railway		587	2,104						244	Salt well.
	City of Sarnia	Dominion Salt Co. No. 4	1,700 ft. N. of London road 600 ft. W. of Railway		582	2,097						134	Salt well. Show gas at 274 ft. Water at 660 ft.
	City of Sarnia	Dominion Salt Co. No. 5	2,300 ft. N. of London road 750 ft. W. of Railway		582	2,173						105	Salt well. Water at 600 ft.
	City of Sarnia	Dominion Salt Co. No. 6	1,500 ft. N. of London road 100 ft. W. of Railway		583	2,092	Kettle Point					190	Salt well. Gas at 230 and 265 ft. Water at 665 ft.
	City of Sarnia		Corner Rose and Tecumseh Sts.	1900	590	540							
	City of Sarnia	City Dairy	Corner Stewart and Talford Sts.	1925	600	660	Kettle Point			Dry		115	Show gas at 170, 510, 540, 605, and 660 ft.
	City of Sarnia	N. C. Peterson and Sons	Corner Vidal and George Sts.	1887	597	685	"					200	
	City of Sarnia	King's Grist Mill	1,500 ft. N. of London road 200 ft. W. of Railway	1875	584	1,505	"			Dry		120	Show gas at 400 ft.
	City of Sarnia Plan 24 Block A	Dominion Salt Co. No. 7	50 ft. N. of S. property line 300 ft. W. of E. property line	1940	583	2,086	"			Dry		155	Salt well. Sulphur water at 645 ft. Show gas at 285 ft.

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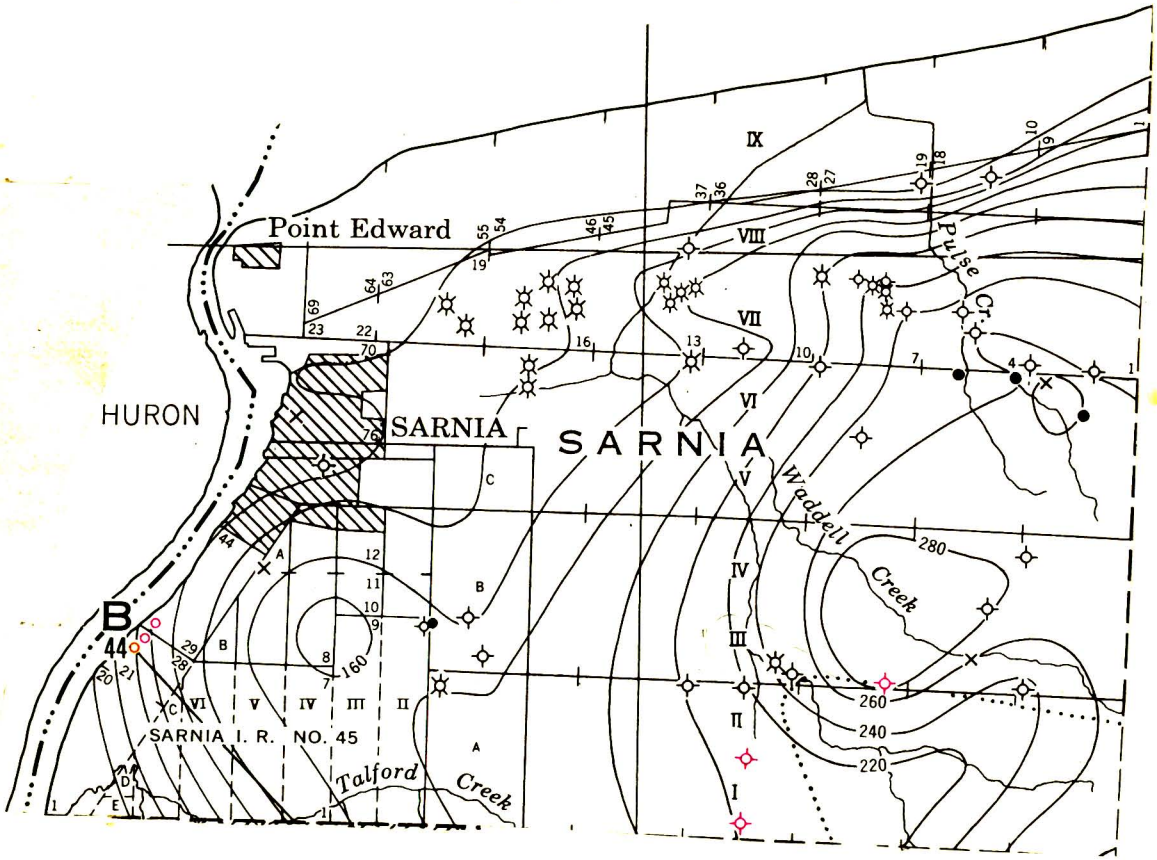
Note: There are many wells in this township for which no records are available.

11	II	Walter Cox	150'S 850' E	1924	629	440	Hamilton			Dry	140	Show gas at 440
13	II	W. Smith	N E Cor	1924	633	480	"	480		75 Mcf	149	Gas at 480
3	III	Boyle No. 1	S W Cor	—	641	487	"			Dry	150	
5	III	J H Hoskins	1800'N 550'W	1889	641	485	Kettle Point			— —	115	Show oil & gas
7	III	E Lucas	100'N 1300'W	1933	640	2832	Hamilton			Dry	116	Show oil 470 water at 660 & 690 — " gas 485
10	III	Elsom Proctor	700'N 300W	19X-	621	435	"			Dry	120	Show gas at 435
10	III	Reuben Proctor	1050 N 800'E	19X-	619	400	"			50 Mcf	120	
3	IV	Rob't Miller	1500 S 100 E	—	630	475	— — —			Dry		Show of oil & gas

FORMATION, ELEVATIONS, & THICKNESSES (BY WELLS)

SOUTHWESTERN ONTARIO

WELL	TOWNSHIP	LOT	CONC.	SURF. ELEV.	TOTAL DEPTH	HURON			HAMILTON			DUNDEE EQUIV.			DETROIT RIVER			BASS ISLAND			SALINA			GUELPH-LOCKP.		
						Top	Base	Thick.	Top	Base	Thick.	Top	Base	Thick.	Top	Base	Thick.	Top	Base	Thick.	Top	Base	Thick.	Top	Base	Thick.
Rutherford 1	~~Dawn~~	19	10	646	2015	~~+599~~	~~+576~~	~~23~~	~~+576~~	~~+348~~	~~228~~	~~+348~~	+258	90	~~+258~~	-230	488	-230	-341	111	-341	-1295	894	-1235	-1363	128
Osborne 1	Sarnia	11	1	644	2657	+514	+491	23	+491	+209	282	+209	+99	110	+99	-414	513	-414	-587	113	-527	-1919	1392	-1919	-2000	81
"	"	11	2	640	2658	+523	+508	15	+513	+229	284	+228	+120	108	+120	-394	514	-394	-522	128	-522	-1928	1406	-1928	-2002	74
Sarnia 13	"	13	5	605	2817	+491	+432	59	+432	+118	314	+118	+12	106	+12	-543	555	-543	-635	92	-635	-2126	1491	2126	2206	80
Falstaff 1	"	8	6	610	575	+466	+462	4	+466	+206	256	+206	+90	116	+90											


Point Edward
HURON
SARNIA
SARNIA
SARNIA I. R. NO. 45
Talford Creek
Waddell Creek
Pulse Cr.
B
44
IX
VIII
VII
VI
V
IV
III
II
I
280
260
240
220
160

Moore Oil Field. This field forms a western extension of the main Petrolia field, and occupies lots 1 to 5, cons. VIII to XII, Moore tp. The field was discovered about 1904. Development was rapid, the several hundred wells having been completed during the ensuing 4 years. In 1915, there were about two hundred[1] wells still producing in this field.

The wells are 470 to 500 feet deep. According to Williams,[2] the oil-bearing strata are 57 to 83 feet below the top of the Delaware limestone (Norfolk formation). This is somewhat higher in the formation than at Petrolia, where the main producing horizon is 115 to 130 feet below the top of the Norfolk. Although the general elevation of the top of this formation is 80 feet lower than in the main Petrolia field, the difference in elevation of the oil-bearing strata in the two pools is perhaps only half that figure.

So far as is known the Moore field has produced continuously since its discovery, but no production figures are available for the years 1911 to 1917, inclusive. To the end of 1943, about 360,572 barrels of oil are known to have been recovered. Peak production was in 1905, with a yield of 93,815 barrels. Production in 1943 was about 332 barrels. In 1942, the pool produced 806 barrels from twelve operating wells, a yield of about 67 barrels a well. The initial yield of some of the best wells was 40 to 100 barrels a day.

Available well records indicate that gas accompanied the oil in most wells. However, some wells did encounter gas at levels higher than the oil.

During the years 1934 and 1935, four wells were drilled within the Moore field. Of these, one was dry and three had initial yields of ½, 1, and 2 barrels of oil a day respectively. There has been no further drilling in this field.

The general structure, as shown on the accompanying structure diagram, is a northwest-trending elongate dome with about 20 feet of closure. Williams[3] states that the oil occurs on terraces and small domes.

The stratigraphy is essentially similar to that of the main Petrolia field, as illustrated by the log of MacIntosh Oil and Gas Company well No. 1. The following table of well logs shows the drillers' interpretation of the stratigraphy of the Moore field.

Location Moore Twp	Lot 4, con. VIII	Lot 2, con. X	Lot 5, con. X	Lot 1, con. IX	Lot 4, con. X	Lot 2, con. XI	Lot 4, con. XII	Lot 2, con. VIII
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet
Glacial drift	125	149	150	142	150	160	153	103
Black shale (Kettle Point)	.....	.....	.....	.....	.....	.....	.....	7
Top rock	90	55	50	48	62	40	55	90
Upper soap (Hamilton)	120	120	122	142	120	125	120	119
Middle lime (Hamilton)	15	15	13	18	13	18	15	15
Lower soap (Hamilton)	35	47	45	48	50	50	45	43
Big lime (Norfolk)	85	99	96	72	69	97	124	113
Total depth	470	485	476	470	464	490	512	490
Depth to big lime	385	386	380	398	395	395	388	377
Oil at	404	390 410 435	..... 460	413 430 447	..... 422	425 463	445 450	445 .....
Gas at	404	390	.....	413 430 447	422	463	445	445
Water at	125	.....	145	154	.....	172	.....	103

[1]Clapp, E. G.: Canada, Dept. of Mines, Mines Branch, Pub. 291, p. 183 (1915).
[2]Williams, M. Y.: Geol. Surv., Canada, Sum. Rept. 1918, pt. E, p. 32.
[3]Williams, M. Y.: Op. cit.

Plympton-Sarnia Oil Field. This field lies in the southwest part of Plympton township, and extends northwestward into Sarnia township. At the closest point it is less than 2 miles from the north boundary of the main Petrolia field. The field was opened before the turn of the present century. The wells range from 400 to 550 feet in depth and the oil occurs about 100 feet below the top of the Norfolk formation.

Considerable quantities of gas occurred in this field. It was largely wasted, although a small volume was used in gas engines and as a domestic fuel. By about 1918 the field had greatly deteriorated, and operations were being carried on chiefly by farmers during slack times[1].

The field was developed on a low anticline trending northwest from near the main Petrolia structure. A small dome with less than 20 feet of closure appears to be present at the northern end of the anticline. This dome occupies lots 1 to 6, con. VI, Sarnia tp., and was apparently the point of accumulation for a small oil pool discovered about 1898.

Plympton Township. Outside the old Plympton-Sarnia field at least forty-five wells have been drilled. Most of these penetrate only into the Norfolk formation and range from 435 to 695 feet in depth. So far as is known, none of these wells encountered gas or oil in commercial quantity, although many had shows of gas and a few had shows of oil. A well on lot 18, con. IV, Plympton tp., is reported to have had an initial yield of ½ barrel of oil and 20,000 cubic feet of gas a day. In 1935 a well on lot 22, con. IX, penetrated the Salina formation, reaching a depth of 1,850 feet. Shows of oil and gas were encountered in the Norfolk formation. In 1940, a well drilled on lot 3, con. V, reached the Queenston formation, and a small show of gas was encountered in the Guelph formation at a depth of 2,610 feet.

Sarnia Township. The southeastern part of Sarnia township, comprising lots 1 to 9, cons. I to III, forms an extension of the main Petrolia field. This district contains several hundred wells, about two hundred of which were still producing in 1915 after some 25 years of operation.

Production for the period 1917 to 1942 was about 45,500 barrels. In 1921, production was 4,069 barrels from one hundred and eleven operating wells, but by 1942, this had declined to 236 barrels from fifteen wells.

During the years 1921 to 1923, at least eighteen wells were drilled on lots 8 to 19, cons. VII and VIII, Sarnia tp. Most of these obtained natural gas with initial yields ranging from 10 M to 255 M cubic feet a day. Production is from the Norfolk formation at depths of 30 to 100 feet below the top.

In 1925, gas production from Sarnia township was 2,100 M cubic feet from seventeen wells. In 1942 it had declined to 800 M cubic feet from thirteen wells. During the same period, the rock pressure had declined from about 71 to 35 pounds a square inch. Structurally, accumulation appears to be related to a low open ridge or nose on the general west-dipping surface of the Norfolk formation.

The following log of a well on lot 13, con. VII, Sarnia tp., completed from drillers' records, is typical of the stratigraphic succession in this region.

Formation		Description	Thickness	Depth
			Feet	Feet
Surface		Glacial drift	126	126
Hamilton	Ipperwash (top rock)	Grey limestone	74	200
	Petrolia (upper soap)	Grey shale	165	365
	Widder (middle lime)	Grey limestone	5	370
	Olentangy (lower soap)	Grey shale	65	435
Norfolk		Grey limestone	90	525

Gas: 35,000 cubic feet a day at a depth of 525 feet.
Rock pressure: 88 pounds a square inch.
Drilled: 1923.

[1]Williams, M. Y.: Geol. Surv., Canada, Sum. Rept. 1918, pt. E, p. 33 (1918).

Welland County—Continued

JOSEPH WILLICK

J. Willick No. 1, lot 25, fronting on Bertie township, Willoughby tp.

Driller: E. Nagel.
Completed February 27, 1952.
Producing gas well.
Rock pressure: 30 lb.

Formation	Depth, feet
Surface	58
Lime and shale	227
Niagara	447
Grey shale	537
Clinton	569
Red Medina	629
Grey shale	659
White Medina	679
Red shale	682

Sulphur water at 60 feet.

EUGENE TANKE

R. Willick No. 1, lot 13, con. V, Willoughby tp.

Driller: O. Culver.
Completed August 18, 1952.
Producing gas well.
Rock pressure: 50 lb.

Formation	Depth, feet
Surface	85
Lime and shale	160
Niagara	355
Grey shale	412
Clinton	443
Red Medina	503
Manitoulin	527
White Medina	547
Red shale	592

Gas at 534 and 544 feet.
Fresh water at 88 feet; black water at 245 feet.

EUGENE TANKE

R. Willick No. 2, lot 13, con. V, Willoughby tp.

Driller: O. Culver.
Completed October 13, 1952.
Dry hole.

Formation	Depth, feet
Surface	82
Lime and shale	155
Niagara	345
Shale	404
Clinton	427
Shale	437
Red Medina	497
Shale	516
White Medina	535
Red shale	536

Show of gas at 524 feet.
Fresh water at 109 feet; black water at 340 feet.

Wentworth County

GORDON BERRY

G. Berry No. 1, lot 17, con. VIII, Binbrook tp.

Driller: M. Culver and Son.
Completed August 12, 1952.
Producing gas well.
Rock pressure: 70 lb.

Formation	Depth, feet
Surface	42
Brown lime	137
Niagara	280
Shale	318
Clinton	353
Red Medina	388
Grey shale	433
White Medina	445
Red shale	485

Gas at 439 and 443 feet.
Fresh water at 41 feet; sulphur water at 160 feet; black water at 230 feet.

A. W. MARTIN

A. Martin, No. 1, lot 3, block 2, con. IV, Binbrook tp.

Driller: M. Culver and Son.
Completed May 14, 1952.
Producing gas well.
Rock pressure: 85 lb.

Formation	Depth, feet
Surface	53
Brown lime	135
Niagara	270
Shale	300
Clinton	320
Red Medina	360
Blue shale	418
White Medina	428
Red shale	478

Gas at 335 and 427 feet.
Fresh water at 56 and 135 feet.

J. A. PATTERSON

J. Patterson No. 1, lot 22, con. VII, Binbrook tp.

Driller: M. Culver and Son.
Completed June 24, 1952.
Producing gas well.
Rock pressure: 59 lb.

Formation	Depth, feet
Surface	40
Brown lime	100
Niagara	240
Shale	270
Clinton	295
Red Medina	340
Blue shale	390
White Medina	402
Red shale	452

Gas at 305 and 391–400 feet.
Fresh water at 44 feet; sulphur water at 100 feet.

H. W. THOMAS

H. Thomas No. 1, lot 2, con. IV, Binbrook tp.

Driller: M. Culver and Son.
Completed March 26, 1952.
Producing gas well.
Rock pressure: 48 lb.

Formation	Depth, feet
Surface	77
Brown lime	160
Niagara	265
Shale	305
Clinton	330
Red Medina	370
Blue shale	421
White Medina	431
Red shale	481

Gas at 340, 423, and 430 feet.
Fresh water at 77 and 88 feet.

Welland County—Continued

JOSEPH WILLICK

J. Willick No. 1, lot 25, fronting on Bertie township, Willoughby tp.

Driller: E. Nagel.
Completed February 27, 1952.
Producing gas well.
Rock pressure: 30 lb.

Formation	Depth, feet
Surface	58
Lime and shale	227
Niagara	447
Grey shale	537
Clinton	569
Red Medina	629
Grey shale	659
White Medina	679
Red shale	682

Sulphur water at 60 feet.

EUGENE TANKE

R. Willick No. 1, lot 13, con. V, Willoughby tp.

Driller: O. Culver.
Completed August 18, 1952.
Producing gas well.
Rock pressure: 50 lb.

Formation	Depth, feet
Surface	85
Lime and shale	160
Niagara	355
Grey shale	412
Clinton	443
Red Medina	503
Manitoulin	527
White Medina	547
Red shale	592

Gas at 534 and 544 feet.
Fresh water at 88 feet; black water at 245 feet.

EUGENE TANKE

R. Willick No. 2, lot 13, con. V, Willoughby tp.

Driller: O. Culver.
Completed October 13, 1952.
Dry hole.

Formation	Depth, feet
Surface	82
Lime and shale	155
Niagara	345
Shale	404
Clinton	427
Shale	437
Red Medina	497
Shale	516
White Medina	535
Red shale	536

Show of gas at 524 feet.
Fresh water at 109 feet; black water at 340 feet.

Wentworth County

GORDON BERRY

G. Berry No. 1, lot 17, con. VIII, Binbrook tp.

Driller: M. Culver and Son.
Completed August 12, 1952.
Producing gas well.
Rock pressure: 70 lb.

Formation	Depth, feet
Surface	42
Brown lime	137
Niagara	280
Shale	318
Clinton	353
Red Medina	388
Grey shale	433
White Medina	445
Red shale	485

Gas at 439 and 443 feet.
Fresh water at 41 feet; sulphur water at 160 feet; black water at 230 feet.

A. W. MARTIN

A. Martin, No. 1, lot 3, block 2, con. IV, Binbrook tp.

Driller: M. Culver and Son.
Completed May 14, 1952.
Producing gas well.
Rock pressure: 85 lb.

Formation	Depth, feet
Surface	53
Brown lime	135
Niagara	270
Shale	300
Clinton	320
Red Medina	360
Blue shale	418
White Medina	428
Red shale	478

Gas at 335 and 427 feet.
Fresh water at 56 and 135 feet.

J. A. PATTERSON

J. Patterson No. 1, lot 22, con. VII, Binbrook tp.

Driller: M. Culver and Son.
Completed June 24, 1952.
Producing gas well.
Rock pressure: 59 lb.

Formation	Depth, feet
Surface	40
Brown lime	100
Niagara	240
Shale	270
Clinton	295
Red Medina	340
Blue shale	390
White Medina	402
Red shale	452

Gas at 305 and 391–400 feet.
Fresh water at 44 feet; sulphur water at 100 feet.

H. W. THOMAS

H. Thomas No. 1, lot 2, con. IV, Binbrook tp.

Driller: M. Culver and Son.
Completed March 26, 1952.
Producing gas well.
Rock pressure: 48 lb.

Formation	Depth, feet
Surface	77
Brown lime	160
Niagara	265
Shale	305
Clinton	330
Red Medina	370
Blue shale	421
White Medina	431
Red shale	481

Gas at 340, 423, and 430 feet.
Fresh water at 77 and 88 feet.

Appendix A—Early Logs of Gas and Oil Wells

The following logs of wells have been obtained from various sources over a period of several years but have not been published before. They are presented here for the use of those interested in the early days of the gas and oil industry, for any value they may be to drillers and prospectors, and in order that the Department's published records may be as complete as possible.

The logs are arranged chronologically and by counties and townships.

1897
Lambton County

IMPERIAL OIL CO., LTD.[1]

T. Bulman No. 1, lot 3, con. VII, Sarnia tp.

Driller: H. Bevans.
Completed August 25, 1897.
Producing oil well.

200' from S.
500' " W.

Formation	Depth, feet
Surface	104
Top rock	125
Upper soap	271
Middle lime	281
Lower soap	343
Lower lime	472

Oil at 435 feet.

[1]Imperial Oil Co., Ltd. is now Imperial Oil, Ltd. The name of the company was changed in 1918. [Ed.]

IMPERIAL OIL CO., LTD.

T. Bulman No. 2, lot 3, con. VII, Sarnia tp.

Driller: H. Bevans.
Completed December 31, 1897.

450' from S.
30' " W.

Formation	Depth, feet
Surface	100
Top rock	129
Rop soap	275
Middle lime	280
Lower soap	330
Lower lime	486

Oil at 437 feet.

IMPERIAL OIL CO., LTD.

J. Griffin No. 1, lot 4, con. VII, Sarnia tp.

Driller: J. Peat.
Completed December 8, 1897.
Dry hole.

600' from S.
100' " W.

Formation	Depth, feet
Surface	100
Top rock	124
Top soap	274
Middle lime	284
Lower soap	317 (337?)
Lower lime	455 (475?)

Show of gas at 365 feet.
Show of oil at 434 feet.

IMPERIAL OIL CO., LTD.

E. Hillier No. 1, lot 4, con. VII, Sarnia tp.

Completed November 6, 1897.
Dry hole.

1225' from S.
470' " E.

Formation	Depth, feet
Surface	100
Top rock	125
Upper soap	275
Middle lime	284
Lower soap	334
Lower lime	490

Show of oil at 435 feet.
Salt water at 480 feet.

IMPERIAL OIL CO., LTD.

E. Hillier No. 2, lot 4, con. VII, Sarnia tp.

Driller: J. Peat.
Completed December 31, 1897.

1550' from S.
30' " E.

Formation	Depth, feet
Surface	96
Top rock	145
Top soap	263
Middle lime	271
Lower soap	337
Lower lime	480

Oil at 395 feet.

IMPERIAL OIL CO., LTD.

N. Jolly No. 1, lot 2, con. VII, Sarnia tp.

Driller: H. Bevans.
Completed October 17, 1897.
Dry hole.

50' from S.
400' " W.

Formation	Depth, feet
Surface	111
Top rock	139
Upper soap	281
Middle lime	291
Lower soap	355
Lower lime	503

Show of gas at 265 and 480 feet.
Oil at 448 feet.

IMPERIAL OIL CO., LTD.

W. Kirk No. 1, lot 3, con. VI, Sarnia tp.

Completed October 29, 1897.
Dry hole.

50' from N.
600' " E.

Formation	Depth, feet
Surface	104
Top rock	129
Upper soap	276
Middle lime	284
Lower soap	341
Lower lime	480

Show of gas at 140, 383 and 472 feet.
Show of oil at 428 feet.

IMPERIAL OIL CO., LTD.

W. Kirk No. 2, lot 3, con. VI, Sarnia tp.

Completed November 23, 1897.
Dry hole.

1052' from N.
100' " E.

Formation	Depth, feet
Surface	100
Top rock	128
Upper soap	276
Middle lime	284
Lower soap	338
Lower lime	481

Show of gas and oil at 430 feet.
Salt water at 481 feet.

1897—Continued

IMPERIAL OIL CO., LTD.

J. Kirk No. 3, lot 3, con. VI, Sarnia tp.

Completed December 4, 1897. 1752' from N.
Dry hole. 100 " E.

Formation	Depth, feet
Surface	100
Top rock	125
Top soap	275
Middle lime	285
Lower soap	343
Lower lime	486

Show of gas at 480 feet.
Show of oil at 430 feet.

IMPERIAL OIL CO., LTD.

J. and W. Milner No. 1, lot 2, con. VI, Sarnia tp.

Driller: H. Devon. 1422 from N
Completed October 5, 1897. 480 " W
Dry hole.

Formation	Depth, feet
Surface	102
Top rock	127
Top soap	275
Middle lime	285
Lower soap	340
Lower lime	477

Show of oil at 432 and 477 feet.

IMPERIAL OIL CO., LTD.

J. Milner No. 2, lot 2, con. VI, Sarnia tp.

Completed December 18, 1897. 1202 from N
100 W

Formation	Depth, feet
Surface	100
Top rock	125
Top soap	275
Middle lime	285
Lower soap	343
Lower lime	525

Show of gas at 480 feet.
Show of oil at 430 feet.

IMPERIAL OIL CO., LTD.

C. Pulse No. 1, lot 4, con. VI, Sarnia tp.

Driller: H. Bevans. 900' from N.
Completed December 10, 1897. 50' " E.
Dry hole.

Formation	Depth, feet
Surface	100
Top rock	128
Top soap	276
Middle lime	284
Lower soap	339
Lower lime	474

Show of gas at 365 feet.
Oil at 432 and 448 feet.

IMPERIAL OIL CO., LTD.

S. Switzer No. 1, lot 3, con. VI, Sarnia tp.

Completed October 28, 1897. 60 from N.
Dry hole. 400 " W.

Formation	Depth, feet
Surface	102
Top rock	127
Upper soap	267
Middle lime	275
Lower soap	330
Lower lime	495

Show of gas at 265 and 385 feet.
Show of oil at 430–32 feet.
Salt water at 465 and 475 feet.

1898
Lambton County

IMPERIAL OIL CO., LTD.

J. Beattie No. 1, lot 5, con. VI, Sarnia tp.

Driller: J. McFall. 50' from N.
Completed February 10, 1898. 50 " W.

Formation	Depth, feet
Surface	112
Top lime	142
Top soap	285
Middle lime	293
Lower soap	353
Lower lime	470

Show of oil at 412 feet.

IMPERIAL OIL CO., LTD.

J. Beattie No. 2, lot 5, con. VI, Sarnia tp.

Completed April 27, 1898. 40' from N.
30' " E.

Formation	Depth, feet
Surface	108
Top lime	158
Top soap	278
Middle lime	284
Lower soap	334
Lower lime	473

IMPERIAL OIL CO., LTD.

R. Beattie No. 1, lot 10, con. VII, Sarnia tp.

Completed January 13, 1898. 1800' from S.
Dry hole. 50' " W.

Formation	Depth, feet
Surface	150
Top lime	210
Top soap	350
Middle lime	358
Lower soap	410
Lower lime	554

IMPERIAL OIL CO., LTD.

J. Brown No. 1, lot 12, con. VI, Sarnia tp.

Driller: J. Clemmie. 200' from N
Completed November 12, 1898. 50' " W
Dry hole.

Formation	Depth, feet
Surface	102
Black shale	137
Top rock	227
Top soap	387
Middle lime	392
Lower soap	457
Lower lime	520

Show of gas at 460 feet.

IMPERIAL OIL CO., LTD.

T. Bulman No. 3, lot 3, con. III, Sarnia tp.

Driller: H. Bevans. 900' from S.
Completed January 14, 1898. 30' " W.
Producing oil well.

Formation	Depth, feet
Surface	100
Top rock	130
Top soap	280
Middle lime	285
Lower soap	335
Lower lime	475

Show of gas at 464 feet.
Oil at 437 feet.

1898—Continued

IMPERIAL OIL CO., LTD.

T. Bulman No. 4, lot 3, con. VII, Sarnia tp.

Driller: H. Bevans.
Completed February 26, 1898.

1275' from S.
30' " W.

Formation	Depth, feet
Surface	100
Top rock	130
Top soap	283
Middle lime	290
Lower soap	340
Lower lime	472

Show of oil at 430 feet.

IMPERIAL OIL CO., LTD.

T. Bulman No. 5, lot 3, con. VII, Sarnia tp.

Driller: H. Bevans.
Completed November 12, 1898.

1635' from S.
30' " W.

Formation	Depth, feet
Surface	102
Top rock	132
Top soap	286
Middle lime	294
Lower soap	346
Lower lime	475

Show of oil at 430 feet.

IMPERIAL OIL CO., LTD.

T. Bulman No. 6, lot 3, con. VII, Sarnia tp.

Driller: H. Bevans.
Completed May 27, 1898.
Producing oil well.

50' from S.
40' " W.

Formation	Depth, feet
Surface	100
Top lime	132
Top soap	282
Middle lime	338
Lower lime	471

Oil at 428 feet.

IMPERIAL OIL CO., LTD.

T. Bulman No. 7, lot 3, con. VII, Sarnia tp.

Completed September 8, 1898. ?

Formation	Depth, feet
Surface	100
Top rock	130
Top soap	282
Middle lime	288
Lower soap	336
Lower lime	472

IMPERIAL OIL CO., LTD.

T. Bulman No. 8, lot 3, con. VII, Sarnia tp.

Completed October 13, 1898. ?

Formation	Depth, feet
Surface	101
Top lime	131
Top soap	281
Middle lime	287
Lower soap	345
Lower lime	476

IMPERIAL OIL CO., LTD.

P. Doyle No. 1, lot 3, con. VI, Sarnia tp.

Driller: J. McCort.
Completed April 30, 1898.
Producing oil well.

40' from N.
40' " E.

Formation	Depth, feet
Surface	109
Top lime	151
Top soap	282
Middle lime	288
Lower soap	346
Lower lime	532

Oil at 430 and 445 feet.

IMPERIAL OIL CO., LTD.

P. Doyle No. 3, lot 3, con. VI, Sarnia tp.

Completed September 19, 1898. ?

Formation	Depth, feet
Surface	108
Top lime	138
Top soap	288
Middle lime	295
Lower soap	343
Lower lime	471

Show of oil at 428 feet.

IMPERIAL OIL CO., LTD.

P. Doyle No. 4, lot 4, con. VI, Sarnia tp.

Completed October 24, 1898. ?

Formation	Depth, feet
Surface	110
Top lime	140
Top soap	290
Middle lime	298
Lower soap	348
Lower lime	473

IMPERIAL OIL CO., LTD.

J. Griffin No. 2, lot 4, con. VII, Sarnia tp.

Driller: J. Peat.
Completed January 31, 1898.
Producing oil well.

1100' from S.
30' " W.

Formation	Depth, feet
Surface	94
Top rock	134
Top soap	254
Middle lime	262
Lower soap	332
Lower lime	470

Oil at 430 feet.

IMPERIAL OIL CO., LTD.

J. Griffin No. 3, lot 4, con. VII, Sarnia tp.

Driller: H. Bevans.
Completed November 30, 1898.

1250' from S.
60' " E.

Formation	Depth, feet
Surface	100
Top lime	135
Top soap	285
Middle lime	292
Lower soap	337
Lower lime	473

Show of oil at 428 feet.

1898—Continued

IMPERIAL OIL CO., LTD.

J. Griffin No. 4, lot 4, con. VII, Sarnia tp.

Driller: H. Bevans. 1650' from S.
Completed April 18, 1898. 60' " E.

Formation	Depth, feet
Surface	100
Top lime	132
Top soap	282
Middle lime	292
Lower soap	342
Lower lime	475

Show of oil at 428 feet.

IMPERIAL OIL CO., LTD.

J. Griffin No. 5, lot 4, con. VII, Sarnia tp.

Driller: H. Bevans. 650' from S.
Completed May 6, 1898. 150' " E.
Producing oil well.

Formation	Depth, feet
Surface	100
Top lime	130
Top soap	280
Middle lime	289
Lower soap	339
Lower lime	473

Oil at 427 feet.

IMPERIAL OIL CO., LTD.

J. Griffin No. 6, lot 4, con. VII, Sarnia tp.

Driller: H. Bevans. ?
Completed May 13, 1898. '
Producing oil well.

Formation	Depth, feet
Surface	100
Top lime	130
Top soap	282
Middle lime	289
Lower soap	339
Lower lime	478

Oil at 427 feet.

IMPERIAL OIL CO., LTD.

J. Griffin No. 7, lot 4, con. VII, Sarnia tp.

Completed May 19, 1898. 30' from S.
Producing oil well. 400' " E.

Formation	Depth, feet
Surface	100
Top lime	130
Top soap	280
Middle lime	287
Lower soap	337
Lower lime	~~427~~ 478

Oil at 427 feet.

IMPERIAL OIL CO., LTD.

J. Griffin No. 8, lot 4, con. VII, Sarnia tp.

Driller: H. Bevans. ?
Completed July 6, 1898. '
Dry hole.

Formation	Depth feet
Surface	100
Top rock	130
Top soap	280
Middle lime	287
Lower soap	337
Lower lime	473

IMPERIAL OIL CO., LTD.

J. Griffin No. 9, lot 4, con. VII, Sarnia tp.

Completed July 17, 1898. ? '

Formation	Depth, feet
Surface	100
Top rock	129
Top soap	279
Middle lime	287
Lower soap	335
Lower lime	473

IMPERIAL OIL CO., LTD.

J. Griffin No. 10, lot 4, con. VII, Sarnia tp.

Completed November 12, 1898. ? '

Formation	Depth, feet
Surface	100
Top rock	140
Top soap	286
Middle lime	293
Lower soap	343
Lower lime	465

IMPERIAL OIL CO., LTD.

E. Hillier No. 3, lot 4, con. VII, Sarnia tp.

Driller: J. Peat. 300' from S.
Completed March 14, 1898. 20' " E.

Formation	Depth, feet
Surface	100
Top rock	140
Top soap	257
Middle lime	264
Lower soap	334
Lower lime	472

Show of oil at 430 feet.

IMPERIAL OIL CO., LTD.

E. Hillier No. 4, lot 4, con. VII, Sarnia tp.

Driller: J. Peat. 400' from S.
Completed May 20, 1898. 500' " W.

Formation	Depth, feet
Surface	104
Top lime	146
Top soap	372
Middle lime	379
Lower soap	345
Lower lime	471

Oil at 360 feet.

IMPERIAL OIL CO., LTD.

E. Hillier No. 5, lot 4, con. VII, Sarnia tp.

Driller: J. Peat. 400' from S.
Completed June 4, 1898. 30' " W.

Formation	Depth, feet
Surface	104
Top lime	146
Top soap	273
Middle lime	279
Lower soap	345
Lower lime	486

Oil at 427 feet.

IMPERIAL OIL CO., LTD.

E. Hillier No. 6, lot 4, con. VII, Sarnia tp.

Driller: H. Bevans. ?
Completed August 17, 1898. '

Formation	Depth, feet
Surface	100
Top lime	120
Top soap	280
Middle lime	287
Lower soap	337
Lower lime	475

1898—Continued

IMPERIAL OIL CO., LTD.

E. Hillier No. 7, lot 4, con. VII, Sarnia tp.

Completed October 31, 1898.

Formation	Depth, feet
Surface	100
Top lime	130
Top soap	270
Middle lime	277
Lower soap	332
Lower lime	468

IMPERIAL OIL CO., LTD.

E. Hillier No. 8, lot 4, con. VII, Sarnia tp.

Completed December 13, 1898.

Formation	Depth, feet
Surface	100
Top lime	130
Top soap	279
Middle lime	286
Lower soap	336
Lower lime	467

IMPERIAL OIL CO., LTD.

W. Kirk No. 4, lot 3, con. VI, Sarnia tp.

Driller: J. McCort.
Completed January 26, 1898.

Formation	Depth, feet
Surface	103
Top rock	118
Top soap	269
Middle lime	277
Lower soap	334
Lower lime	475

Show of oil at 435 feet.

IMPERIAL OIL CO., LTD.

W. Kirk No. 5, lot 3, con. VI, Sarnia tp.

Driller: J. McCort.
Completed May 14, 1898.

Formation	Depth, feet
Surface	110
Top rock	251
Top soap	277
Middle lime	286
Lower soap	346
Lower lime	495

Oil at 430 feet.

IMPERIAL OIL CO., LTD.

W. Kirk No. 6, lot 3, con. VI, Sarnia tp.

Driller: H. Bevans.
Completed July 21, 1898.

Formation	Depth, feet
Surface	103
Top lime	133
Top soap	279
Middle lime	286
Lower soap	345
Lower lime	475

IMPERIAL OIL CO., LTD.

W. Kirk No. 7, lot 3, con. VI, Sarnia tp.

Completed August 1, 1898.

Formation	Depth, feet
Surface	100
Top lime	130
Top soap	148
Middle lime	154
Lower soap	335
Lower lime	472

IMPERIAL OIL CO., LTD.

H. Lucas No. 1, lot 6, con. VII, Sarnia tp.

Driller: J. McFall.
Completed April 2, 1898.
Dry hole.

Formation	Depth, feet
Surface	110
Top lime	145
Top soap	285
Middle lime	292
Lower soap	346
Lower lime	472

Show of oil at 414 and 428 feet.

IMPERIAL OIL CO., LTD

H. Lucas No. 2, lot 6, con. VII, Sarnia tp.

Driller: Bell and Knowles.
Completed June 1, 1898.
Producing oil well.

Formation	Depth, feet
Surface	113
Top lime	143
Top soap	288
Middle lime	295
Lower soap	353
Lower lime	480

Oil at 459 feet.

IMPERIAL OIL CO., LTD.

H. Lucas No. 3, lot 6, con. VII, Sarnia tp.

Completed September 8, 1898.

Formation	Depth, feet
Surface	112
Top lime	142
Top soap	287
Middle lime	294
Lower soap	351
Lower lime	480

IMPERIAL OIL CO., LTD.

T. Lucas No. 1, lot 6, con. VII, Sarnia tp.

Driller: Bell and Knowles.
Completed May 21, 1898.

Formation	Depth, feet
Surface	113
Top lime	138
Top soap	283
Middle lime	289
Lower soap	348
Lower lime	490

1898—Continued

IMPERIAL OIL CO., LTD.

J. and W. Milner No. 3, lot 2, con. VI, Sarnia tp.

Completed April 1, 1898.
Dry hole.

Formation	Depth, feet
Surface	107
Top lime	152
Top soap	279
Middle lime	286
Lower soap	344
Lower lime	478

Show of gas at 463 feet. 2067 from N
Show of oil at 428 feet. 480 " W

IMPERIAL OIL CO., LTD.

J. and W. Milner No. 4, lot 2, con. VI, Sarnia tp.

Driller: J. McCort. 1400 from S
Completed May 27, 1898. 20 " E.

Formation	Depth, feet
Surface	104
Top lime	147
Top soap	276
Middle lime	283
Lower soap	341
Lower lime	477

Oil at 430

IMPERIAL OIL CO., LTD.

J. and W. Milner No. 5, lot 2, con. VI, Sarnia tp.

Driller: J. McCort. 1800 from S
Completed June 8, 1898. 20 " E

Formation	Depth, feet
Surface	102
Top rock	146
Top soap	276
Middle lime	283
Lower soap	341
Lower lime	476

Show of oil at 420 feet.

IMPERIAL OIL CO., LTD.

J. and W. Milner No. 6, lot 2, con. VI, Sarnia tp.

Completed June 25, 1898. ?

Formation	Depth, feet
Surface	105
Top rock	150
Top soap	277
Middle lime	283
Lower soap	341
Lower lime	477

Show of oil at 425–30 feet.

IMPERIAL OIL CO., LTD.

C. Pulse No. 1, lot 4, con. VI, Sarnia tp.

Completed in 1898. Form #2
Producing oil well. ?

Formation	Depth, feet
Surface	108
Top lime	143
Top soap	281
Middle lime	291
Lower soap	348
Lower lime	463

IMPERIAL OIL CO., LTD.

C. Pulse No. 2, lot 4, con. VI, Sarnia tp.

Driller: J. Peat. 300' from N.
Completed February 16, 1898. 30' " E.

Formation	Depth, feet
Surface	100
Top rock	147
Top soap	270
Middle lime	278
Lower soap	337
Lower lime	474

Show of oil at 432 feet.

IMPERIAL OIL CO., LTD.

C. Pulse No. 3, lot 4, con. VI, Sarnia tp.

Driller: J. Peat. 20' from N.
Completed April 1, 1898. 990' " E.

Formation	Depth, feet
Surface	101
Top lime	143
Top soap	265
Middle lime	271
Lower soap	337
Lower lime	470

Show of oil at 430 feet.

IMPERIAL OIL CO., LTD.

C. Pulse No. 4, lot 4, con. VI, Sarnia tp.

Driller: J. Peat. 20' from N.
Completed April 28, 1898. 590' " E.
Producing oil well.

Formation	Depth, feet
Surface	102
Top lime	144
Top soap	169
Middle lime	176
Lower soap	341
Lower lime	470

Oil at 420 feet.

IMPERIAL OIL CO., LTD.

C. Pulse No. 5, lot 4, con. VI, Sarnia tp.

Completed June 25, 1898. ?

Formation	Depth, feet
Surface	106
Shale	136
Soap	272
Middle lime	280
Lower soap	340
Lower lime	473

Oil at 448 feet.

IMPERIAL OIL CO., LTD.

C. Pulse No. 6, lot 4, con. VI, Sarnia tp.

Completed August 26, 1898. ?

Formation	Depth, feet
Surface	100
Top rock	130
Top soap	280
Middle lime	289
Lower soap	339
Lower lime	473

Oil at 425 feet

1898—Continued

IMPERIAL OIL CO., LTD.

C. Pulse No. 7, lot 4, con. VI, Sarnia tp.

Completed October 25, 1898.

Formation	Depth, feet
Surface	100
Top lime	140
Top soap	272
Middle lime	280
Lower soap	340
Lower lime	469

IMPERIAL OIL CO., LTD.

C. Pulse No. 10, lot 4, con. VI, Sarnia tp.

Completed in 1898.

Formation	Depth, feet
Surface	103
Top lime	129
Top soap	282
Middle lime	289
Lower soap	341
Lower lime	470

IMPERIAL OIL CO., LTD.

J. Pulse No. 1, lot 5, con. VII, Sarnia tp.

Driller: J. Porter.
Completed May 21, 1898.

Formation	Depth, feet
Surface	104
Top lime	159
Top soap	281
Middle lime	286
Lower soap	336
Lower lime	476

Oil at 430 feet.

IMPERIAL OIL CO., LTD.

J. Pulse No. 2, lot 5, con. VII, Sarnia tp.

Driller: J. Porter.
Completed May 27, 1898.
Dry hole.

Formation	Depth, feet
Surface	106
Top lime	161
Top soap	283
Middle lime	288
Lower soap	338
Lower lime	480

IMPERIAL OIL CO., LTD.

J. Pulse No. 4, lot 5, con. VII, Sarnia tp.

Completed June 25, 1898.

Formation	Depth, feet
Surface	100
Top lime	160
Top soap	270
Middle lime	277
Lower soap	333
Lower lime	466

IMPERIAL OIL CO., LTD.

J. Pulse No. 5, lot 5, con. VII, Sarnia tp.

Completed August 20, 1898.
Dry hole.

Formation	Depth, feet
Surface	104
Top lime	142
Top soap	275
Middle lime	282
Lower soap	340
Lower lime	478

IMPERIAL OIL CO., LTD.

J. Pulse No. 7, lot 5, con. VII, Sarnia tp.

Completed September 24, 1898.

Formation	Depth, feet
Surface	110
Top lime	155
Top soap	277
Middle lime	284
Lower soap	343
Lower lime	465

IMPERIAL OIL CO., LTD.

J. Pulse No. 8, lot 5, con. VII, Sarnia tp.

Completed October 15, 1898.
Dry hole.

Formation	Depth, feet
Surface	112
Top lime	155
Top soap	287
Middle lime	294
Lower soap	353
Lower lime	466

IMPERIAL OIL CO., LTD.

J. Pulse No. 9, lot 5, con. VII, Sarnia tp.

Completed October 31, 1898.

Formation	Depth, feet
Surface	103
Top lime	143
Top soap	277
Middle lime	284
Lower soap	342
Lower lime	471

IMPERIAL OIL CO., LTD.

J. Purvis No. 1, lot 6, con. VII, Sarnia tp.

Driller: J. Clemmie.
Completed November 24, 1898.
Dry hole.

Formation	Depth, feet
Surface	123
Top rock	173
Top soap	295
Middle lime	300
Lower soap	370
Lower lime	500

Show of oil at 440 feet.
Salt water at 500 feet.

1898—Continued

IMPERIAL OIL CO., LTD.

J. Purvis No. 2, lot 6, con. VII, Sarnia tp.

Driller: J. Clemmie.
Completed April 7, 1898.

Formation	Depth, feet
Surface	128
Top lime	273
Top soap	293
Middle lime	300
Lower soap	370
Lower lime	500

Show of oil at 495 feet.
Salt water at 495 feet.

IMPERIAL OIL CO., LTD.

J. Purvis No. 3, lot 6, con. VII, Sarnia tp.

Completed August 5, 1898.

Formation	Depth, feet
Surface	121
Top rock	151
Top soap	291
Middle lime	299
Lower soap	356
Lower lime	485

IMPERIAL OIL CO., LTD.

J. Purvis No. 4, lot 6, con. VII, Sarnia tp.

Completed October 12, 1898.

Formation	Depth, feet
Surface	124
Top lime	164
Top soap	299
Middle lime	307
Lower soap	357
Lower lime	470

IMPERIAL OIL CO., LTD.

J. Purvis No. 7, lot 6, con. VII, Sarnia tp.

Completed in 1898.

Formation	Depth, feet
Surface	119
Top lime	173
Top soap	293
Middle lime	300
Lower soap	363
Lower lime	471

Show of oil at 386 feet.

IMPERIAL OIL CO., LTD.

G. Rooney No. 1, lot 7, con. VII, Sarnia tp.

Driller: J. Clemmie.
Completed May 19, 1898.

Formation	Depth, feet
Surface	113
Top lime	158
Top soap	283
Middle lime	290
Lower soap	345
Lower lime	492

Oil at 375 feet.

IMPERIAL OIL CO., LTD.

G. Rooney No. 2, lot 7, con. VII, Sarnia tp.

Driller: Porter and Co.
Completed August 19, 1898.

Formation	Depth, feet
Surface	124
Top lime	175
Top soap	297
Middle lime	302
Lower soap	362
Lower lime	485

IMPERIAL OIL CO., LTD.

G. Rooney No. 3, lot 7, con. VII, Sarnia tp.

Completed September 19, 1898.
Dry hole.

Formation	Depth, feet
Surface	128
Top rock	180
Top soap	300
Middle lime	305
Lower soap	365
Lower lime	500

IMPERIAL OIL CO., LTD.

J. Schnell No. 1, lot 5, con. VII, Sarnia tp.

Completed in 1898.

Formation	Depth, feet
Surface	107
Top rock	142
Top soap	265
Middle lime	273
Lower soap	351
Lower lime	481

Oil at 430 and 469 feet.

IMPERIAL OIL CO., LTD.

J. Schnell No. 2, lot 5, con. VII, Sarnia tp.

Driller: J. McFall.
Completed April 30, 1898.

Formation	Depth, feet
Surface	106
Top lime	146
Top soap	284
Middle lime	291
Lower soap	344
Lower lime	449

Oil at 365 feet.

IMPERIAL OIL CO., LTD.

J. Schnell No. 3, lot 5, con. VII, Sarnia tp.

Completed July 21, 1898.

Formation	Depth, feet
Surface	108
Top rock	168
Top soap	278
Middle lime	283
Lower soap	343
Lower lime	428

IMPERIAL OIL CO., LTD.

J. Schnell No. 4, lot 5, con. VII, Sarnia tp.

Completed August 16, 1898.

Formation	Depth, feet
Surface	108
Top lime	133
Top soap	278
Middle lime	286
Lower soap	344
Lower lime	485

1898—Continued

IMPERIAL OIL CO., LTD.

S. Switzer No. 2, lot 3, con. VI, Sarnia tp.

Driller: J. McCort. 600' from N.
Completed January 11, 1898. 40' " W.
Producing oil well.

Formation	Depth, feet
Surface	103
Top rock	148
Top soap	270
Middle lime	277
Lower soap	335
Lower lime	472

Gas and oil at 430 feet.
Oil at 415 feet.

IMPERIAL OIL CO., LTD.

S. Switzer No. 3, lot 3, con. VI, Sarnia tp.

Driller: J. McCort. 1250' from N.
Completed in 1898. 30' " W.

Formation	Depth, feet
Surface	105
Top rock	150
Top soap	272
Middle lime	279
Lower soap	337
Lower lime	475

Show of oil at 430 feet.

IMPERIAL OIL CO., LTD.

S. Switzer No. 4, lot 3, con. VI, Sarnia tp.

Driller: H. Bevans. 400' from N.
Completed April 28, 1898. 325' " E.
Producing oil well.

Formation	Depth, feet
Surface	100
Top lime	130
Top soap	280
Middle lime	287
Lower soap	337
Lower lime	472

Oil at 427 feet.

IMPERIAL OIL CO., LTD.

S. Switzer No. 5, lot 3, con. VI, Sarnia tp.

Driller: H. Bevans. ?
Completed June 10, 1898.
Producing oil well.

Formation	Depth, feet
Surface	100
Top lime	130
Top soap	282
Middle lime	288
Lower soap	338
Lower lime	472

Oil at 428 feet.

IMPERIAL OIL CO., LTD.

S. Switzer No. 6, lot 3, con. VI, Sarnia tp.

Driller: H. Bevans. ?
Completed July 30, 1898.

Formation	Depth, feet
Surface	100
Top rock	130
Top soap	280
Middle lime	287
Lower soap	337
Lower lime	472

IMPERIAL OIL CO., LTD.

S. Switzer No. 7, lot 3, con. VI, Sarnia tp.

Driller: H. Bevans. ?
Completed September 29, 1898.

Formation	Depth, feet
Surface	100
Top lime	130
Top soap	282
Middle lime	289
Lower soap	339
Lower lime	472

IMPERIAL OIL CO., LTD.

S. Switzer No. 8, lot 3, con. VI, Sarnia tp.

Completed November 4, 1898. ?
Producing oil well.

Formation	Depth, feet
Surface	100
Top lime	128
Top soap	275
Middle lime	282
Lower soap	332
Lower lime	467

IMPERIAL OIL CO., LTD.

R. Wilson No. 1, lot 6, con. VII, Sarnia tp.

Driller: J. Clemmie. ?
Completed June 1, 1898.
Dry hole.

Formation	Depth, feet
Surface	130
Top lime	175
Top soap	295
Middle lime	305
Lower soap	365
Lower lime	488

Show of oil at 370 feet.

IMPERIAL OIL CO., LTD.

R. Wilson No. 3, lot 6, con. VII, Sarnia tp.

Completed September 27, 1898. ?

Formation	Depth, feet
Surface	123
Top rock	153
Top soap	298
Middle lime	305
Lower soap	355
Lower lime	470

1899
Lambton County

IMPERIAL OIL CO., LTD.

E. Hillier No. 11, lot 4, con. VII, Sarnia tp.

Completed July 23, 1899. ?
Producing oil well.

Formation	Depth, feet
Surface	98
Top lime	138
Top soap	273
Middle lime	281
Lower soap	339
Lower lime	470

1899—Continued

IMPERIAL OIL CO., LTD.

P. Doyle No. 5, lot 3, con. VI, Sarnia tp.

Completed August 30, 1899.
Producing oil well.

Formation	Depth, feet
Surface	114
Top lime	149
Top soap	289
Middle lime	298
Lower soap	349
Lower lime	470

IMPERIAL OIL CO., LTD.

J. Griffin No. 11, lot 4, con. VII, Sarnia tp.

Completed July 26, 1899.
Producing oil well.

Formation	Depth, feet
Surface	95
Top lime	130
Top soap	270
Middle lime	277
Lower soap	335
Lower lime	469

IMPERIAL OIL CO., LTD.

E. Hillier No. 9, lot 4, con. VII, Sarnia tp.

Completed July 12, 1899.
Producing oil well.

Formation	Depth, feet
Surface	98
Top lime	128
Top soap	272
Middle lime	280
Lower soap	337
Lower lime	470

IMPERIAL OIL CO., LTD.

E. Hillier No. 10, lot 4, con. VII, Sarnia tp.

Completed September 16, 1899.
Producing oil well.

Formation	Depth, feet
Surface	101
Top lime	136
Top soap	277
Middle lime	285
Lower soap	340
Lower lime	470

IMPERIAL OIL CO., LTD.

J. and M. Kirk No. 8, lot 3, Con. VI, Sarnia tp.

Completed August 15, 1899.
Producing oil well.

Formation	Depth, feet
Surface	104
Top lime	231
Top soap	285
Middle lime	292
Lower soap	344
Lower lime	470

IMPERIAL OIL CO., LTD.

H. Lucas No. 4, lot 6, con. VII, Sarnia tp.

Completed January 25, 1899.
Dry hole.

Formation	Depth, feet
Surface	110
Top lime	142
Top soap	298
Middle lime	305
Lower soap	357
Lower lime	467

IMPERIAL OIL CO., LTD.

H. Lucas No. 5, lot 6, con. VII, Sarnia tp.

Completed July 18, 1899.
Producing oil well.

Formation	Depth, feet
Surface	111
Top lime	137
Top soap	292
Middle lime	355
Lower lime	469

IMPERIAL OIL CO., LTD.

H. Lucas No. 6, lot 6, con. VII, Sarnia tp.

Completed September 11, 1899.
Producing oil well.

Formation	Depth, feet
Surface	112
Top lime	142
Top soap	292
Middle lime	300
Lower soap	358
Lower lime	470

IMPERIAL OIL CO., LTD.

T. Lucas No. 4, lot 6, con. VII, Sarnia tp.

Completed February 9, 1899.

Formation	Depth, feet
Surface	114
Top lime	142
Top soap	294
Middle lime	302
Lower soap	360
Lower lime	468

IMPERIAL OIL CO., LTD.

T. Lucas No. 5, lot 6, con. VII, Sarnia tp.

Completed July 3, 1899.
Producing oil well.

Formation	Depth, feet
Surface	114
Top lime	240
Top soap	296
Middle lime	303
Lower soap	360
Lower lime	471

IMPERIAL OIL CO., LTD.

J. and W. Milner No. 7, lot 2, con. VI, Sarnia tp.

Completed August 27, 1899.
Producing oil well.

Formation	Depth, feet
Surface	100
Top lime	126
Top soap	278
Middle lime	285
Lower soap	336
Lower lime	473

1899—Continued

IMPERIAL OIL CO., LTD.

J. and W. Milner No. 8, lot 2, con. VI, Sarnia tp.

Completed October 16, 1899.
Producing oil well.

Formation	Depth, feet
Surface	106
Top lime	131
Top soap	271
Middle lime	278
Lower soap	347
Lower lime	470

IMPERIAL OIL CO., LTD.

J. and W. Milner No. 9, lot 2, con. VI, Sarnia tp.

Completed November 3, 1899.
Producing oil well.

Formation	Depth, feet
Surface	104
Top lime	134
Top soap	274
Middle lime	282
Lower soap	340
Lower lime	470

IMPERIAL OIL CO., LTD.

C. Pulse No. 2, lot 4, con. VI, Sarnia tp.

Completed November 17, 1899.
Producing oil well.

Formation	Depth, feet
Surface	106
Top lime	133
Top soap	287
Middle lime	294
Lower soap	352
Lower lime	470

IMPERIAL OIL CO., LTD.

C. Pulse No. 8, lot 4, con. VI, Sarnia tp.

Completed January 9, 1899.
Producing oil well.

Formation	Depth, feet
Surface	103
Top lime	138
Top soap	273
Middle lime	280
Lower soap	337
Lower lime	470

IMPERIAL OIL CO., LTD.

C. Pulse No. 9, lot 4, con. VI, Sarnia tp.

Completed August 7, 1899.
Producing oil well.

Formation	Depth feet
Surface	105
Top lime	140
Top soap	280
Middle lime	288
Lower soap	341
Lower lime	470

IMPERIAL OIL CO., LTD.

C. Pulse No. 11, lot 4, con. VI, Sarnia tp.

Completed September 29, 1899.
Producing oil well.

Formation	Depth, feet
Surface	104
Top lime	139
Top soap	279
Middle lime	287
Lower soap	344
Lower lime	470

IMPERIAL OIL CO., LTD.

J. Pulse No. 3, lot 5, con. VII, Sarnia tp.

Driller: J. Porter.
Completed June 6, 1899.

Formation	Depth, feet
Surface	106
Top lime	161
Top soap	286
Middle lime	292
Lower soap	342
Lower lime	475

Oil at 360 and 440 feet.

IMPERIAL OIL CO., LTD.

J. Pulse No. 10, lot 5, con. VII, Sarnia tp.

Completed June 26, 1899.

Formation	Depth, feet
Surface	104
Top lime	134
Top soap	269
Middle lime	277
Lower soap	335
Lower lime	470

IMPERIAL OIL CO., LTD.

J. Pulse No. 11, lot 5, con. VII, Sarnia tp.

Completed September 12, 1899.

Formation	Depth, feet
Surface	103
Top lime	129
Top soap	279
Middle lime	286
Lower soap	336
Lower lime	470

IMPERIAL OIL CO., LTD.

J. Pulse No. 12, lot 5, con. VII, Sarnia tp.

Completed August 6, 1899.
Producing oil well.

Formation	Depth, feet
Surface	96
Top lime	136
Top soap	271
Middle lime	278
Lower soap	338
Lower lime	470

IMPERIAL OIL CO., LTD.

J. Pulse No. 13, lot 5, con. VII, Sarnia tp.

Completed August 25, 1899.
Producing oil well.

Formation	Depth, feet
Surface	98
Top lime	138
Top soap	273
Middle lime	280
Lower soap	340
Lower lime	470

1899—Continued

IMPERIAL OIL CO., LTD.

J. Purvis No. 5, lot 6, con. VII, Sarnia tp.

Completed May 3, 1899.
Producing oil well.

Formation	Depth, feet
Surface	120
Top lime	146
Top soap	303
Middle lime	309
Lower soap	361
Lower lime	473

IMPERIAL OIL CO., LTD.

J. Purvis No. 6, lot 6, con. VII, Sarnia tp.

Completed May 15, 1899.
Producing oil well.

Formation	Depth, feet
Surface	124
Top lime	148
Top soap	299
Middle lime	306
Lower soap	358
Lower lime	371

IMPERIAL OIL CO., LTD.

G. Rooney No. 4, lot 7, con. VII, Sarnia tp.

Completed March 17, 1899.

Formation	Depth, feet
Surface	124
Top lime	154
Top soap	306
Middle lime	313
Lower soap	365
Lower lime	470

IMPERIAL OIL CO., LTD.

G. Rooney No. 5, lot 7, con. VII, Sarnia tp.

Completed November 2, 1899.
Producing oil well.

Formation	Depth, feet
Surface	122
Top lime	162
Top soap	302
Middle lime	310
Lower soap	365
Lower lime	467

IMPERIAL OIL CO., LTD.

J. Schnell No. 5, lot 5, con. VII, Sarnia tp.

Completed June 14, 1899.
Producing oil well.

Formation	Depth, feet
Surface	110
Top lime	135
Top soap	275
Middle lime	283
Lower soap	341
Lower lime	469

IMPERIAL OIL CO., LTD.

J. Schnell No. 6, lot 5, con. VII, Sarnia tp.

Completed August 3, 1899.
Producing oil well.

Formation	Depth, feet
Surface	109
Top lime	136
Top soap	288
Middle lime	295
Lower soap	351
Lower lime	469

IMPERIAL OIL CO., LTD.

J. Schnell No. 7, lot 5, con. VII, Sarnia tp.

Completed October 2, 1899.
Producing oil well.

Formation	Depth, feet
Surface	112
Top lime	152
Top soap	292
Middle lime	299
Lower soap	349
Lower lime	471

IMPERIAL OIL CO., LTD.

S. Switzer No. 9, lot 3, con. VI, Sarnia tp.

Completed September 12, 1899.
Producing oil well.

Formation	Depth, feet
Surface	98
Top lime	124
Top soap	278
Middle lime	285
Lower soap	337
Lower lime	469

IMPERIAL OIL CO., LTD.

R. Wilson No. 4, lot 6, con. VII, Sarnia tp.

Completed April 7, 1899.
Producing oil well.

Formation	Depth, feet
Surface	118
Top lime	140
Top soap	297
Middle lime	305
Lower soap	359
Lower lime	471

IMPERIAL OIL CO., LTD.

R. Wilson No. 5, lot 6, con. VII, Sarnia tp.

Completed May 23, 1899.
Producing oil well.

Formation	Depth, feet
Surface	115
Top lime	143
Top soap	297
Middle lime	304
Lower soap	358
Lower lime	470

IMPERIAL OIL CO., LTD.

R. Wilson No. 6, lot 6, con. VII, Sarnia tp.

Completed October 14, 1899.
Producing oil well.

Formation	Depth, feet
Surface	120
Top lime	155
Top soap	295
Middle lime	303
Lower soap	353
Lower lime	470

IMPERIAL OIL CO., LTD.

J. Wood No. 2, lot 8, con. VII, Sarnia tp.

Completed June 9, 1899.

Formation	Depth, feet
Surface	129
Top lime	157
Top soap	312
Middle lime	319
Lower soap	376
Lower lime	481

1900
Lambton County

IMPERIAL OIL CO., LTD.

J. Rooney No. 1, lot 7, con. VII, Sarnia tp.

Completed November 3, 1900.
Dry hole.

Formation	Depth, feet
Surface	110
Top lime	150
Top soap	290
Middle lime	295
Lower soap	355
Lower lime	470½

1901
Lambton County

IMPERIAL OIL CO., LTD.

E. Hillier No. 12, lot 4, con. VII, Sarnia tp.

Completed May 15, 1901.
Producing oil well.

Formation	Depth, feet
Surface	96
Top lime	136
Top soap	276
Middle lime	284
Lower soap	344
Lower lime	472

IMPERIAL OIL CO., LTD.

J. and M. Kirk No. 9, lot 3, con. VI, Sarnia tp.

Completed January 4, 1901.
Producing oil well.

Formation	Depth, feet
Surface	105
Top lime	140
Top soap	275
Middle lime	283
Lower soap	343
Lower lime	468½

IMPERIAL OIL CO., LTD.

J. Pulse No. 14, lot 5, con. VII, Sarnia tp.

Completed April 22, 1901.
Producing oil well.

Formation	Depth, feet
Surface	101
Top lime	141
Top soap	281
Middle lime	287
Lower soap	347
Lower lime	469

IMPERIAL OIL CO., LTD.

J. Pulse No. 15, lot 5, con. VII, Sarnia tp.

Completed May 2, 1901.
Producing oil well.

Formation	Depth, feet
Surface	97
Top lime	137
Top soap	277
Middle lime	283
Lower soap	343
Lower lime	470

IMPERIAL OIL CO., LTD.

J. Schnell No. 8, lot 5, con. VII, Sarnia tp.

Completed May 30, 1901.
Producing oil well.

Formation	Depth, feet
Surface	101
Top lime	141
Top soap	276
Middle lime	283
Lower soap	343
Lower lime	470½

Oil at 377, and 425–30 feet.

1903
Lambton County

IMPERIAL OIL CO., LTD.

J. Schnell No. 9, lot 5, con. VII, Sarnia tp.

Completed October 20, 1903.
Producing oil well.

Formation	Depth, feet
Surface	103
Top lime	153
Top soap	276
Middle lime	280
Lower soap	340
Lower lime	470

Oil at 360 and 420 feet.
Salt water at 460 feet.

IMPERIAL OIL CO., LTD.

J. Schnell No. 10, lot 5, con. VII, Sarnia tp.

Completed November 29, 1903.
Producing oil well.

Formation	Depth, feet
Surface	105
Top lime	158
Top soap	281
Middle lime	285
Lower soap	345
Lower lime	470

Oil at 365 and 420 feet.
Salt water at 467 feet.

1904
Lambton County

IMPERIAL OIL CO., LTD.

H. Lucas No. 7, lot 6, con. VII, Sarnia tp.

Completed April 27, 1904.

Formation	Depth, feet
Surface	109
Top lime	163
Top soap	286
Middle lime	291
Lower soap	351
Lower lime	470

IMPERIAL OIL CO., LTD.

T. Lucas No. 6, lot 6, con. VII, Sarnia tp.

Completed May 18, 1904.

Formation	Depth, feet
Surface	112
Top lime	166
Top soap	288
Middle lime	293
Lower soap	353
Lower lime	470

1904—Continued

IMPERIAL OIL CO., LTD.

J. Schnell No. 11, lot 5, con. VII, Sarnia tp.

Completed February 25, 1904.

Formation	Depth, feet
Surface	111
Top lime	169
Top soap	289
Middle lime	294
Lower soap	352
Lower lime	472

IMPERIAL OIL CO., LTD.

J. Schnell No. 12, lot 5, con. VII, Sarnia tp.

Completed March 10, 1904.

Formation	Depth, feet
Surface	111
Top lime	165
Top soap	288
Middle lime	293
Lower soap	354
Lower lime	471

IMPERIAL OIL CO., LTD.

J. Schnell No. 13, lot 5, con. VII, Sarnia tp.

Completed April 2, 1904.

Formation	Depth, feet
Surface	100
Top lime	155
Top soap	275
Middle lime	280
Lower soap	342
Lower lime	470

IMPERIAL OIL CO., LTD.

R. Wilson No. 7, lot 6, con. VII, Sarnia tp.

Completed May 31, 1904.

Formation	Depth, feet
Surface	115
Top lime	168
Top soap	288
Middle lime	293
Lower soap	358
Lower lime	470

1905
Lambton County

IMPERIAL OIL CO., LTD.

H. Lucas No. 8, lot 6, con. VII, Sarnia tp.

Completed May 22, 1905.
Dry hole.

Formation	Depth, feet
Surface	112
Top lime	160
Top soap	282
Middle lime	288
Lower soap	346
Lower lime	472

IMPERIAL OIL CO., LTD.

T. Lucas No. 7, lot 6, con. VII, Sarnia tp.

Completed December 12, 1905.

Formation	Depth, feet
Surface	111
Top lime	163
Top soap	285
Middle lime	290
Lower soap	346
Lower lime	470

IMPERIAL OIL CO., LTD.

C. Pulse No. 12, lot 4, con. VI, Sarnia tp.

Completed July 22, 1905.

Formation	Depth, feet
Surface	101
Top lime	149
Top soap	177
Middle lime	182
Lower soap	340
Lower lime	470

IMPERIAL OIL CO., LTD.

C. Pulse No. 13, lot 4, con. VI, Sarnia tp.

Completed July 8, 1905.

Formation	Depth, feet
Surface	106
Top lime	153
Top soap	276
Middle lime	286
Lower soap	338
Lower lime	470

IMPERIAL OIL CO., LTD.

C. Pulse No. 16, lot 5, con. VII, Sarnia tp.

Completed July 3, 1905.

Formation	Depth, feet
Surface	98
Top lime	150
Top soap	272
Middle lime	278
Lower soap	334
Lower lime	470

1908
Lambton County

IMPERIAL OIL CO., LTD.

G. Rooney No. 6, lot 7, con. VII, Sarnia tp.

Driller: A. Randall.
Completed June 28, 1908.
Dry hole.

Formation	Depth, feet
Surface	121
Top lime	176
Top soap	298
Middle lime	304
Lower soap	366
Lower lime	475

Show of oil at 393 feet.

1923
Middlesex County

MIDDLESEX AND DOVER GAS AND OIL CO.

J. B. Rowe, lot 21, con. X, London tp.

Driller: Berry and Anderson.
Completed September, 1923.

Formation	Depth, feet
Sand and gravel	186
Dundee(?):	
Rotten lime	601
Detroit River:	
Brown sharp lime	696
White sharp lime	774
Bass Island:	
Hard brown lime	922
Salina:	
Grey shale	937
Slate and lime shells	972
Hard brown lime	1,121
Shale and lime shells	1,180
Very hard brown lime	1,200
Anhydrite	1,210
Grey shale with anhydrite	1,230
Anhydrite	1,235
Grey shale	1,240
Pure buff dolomite	1,250
Anhydrite	1,255
Buff dolomite	1,260
Grey dolomite and anhydrite	1,265
Guelph:	
Buff dolomite (pure) with grains of selenite	1,275
Buff dolomite	1,305
Grey dolomite	1,310
Buff dolomite	1,320
Grey dolomite	1,325
Buff dolomite with few grains of selenite	1,335
Grey dolomite	1,340
Buff dolomite with selenite	1,345
Buff dolomite	1,360
Lockport:	
Grey, dark-grey, and brownish-grey dolomites	1,560
Rochester:	
Grey clay shales	1,630
Clinton:	
Grey dolomite	1,640
Medina:	
Cataract grey clay, shale	1,700

1935
Wentworth County

ROCKTON OIL AND GAS SYNDICATE

Sagar No. 2, lot 1, con. III, Beverly tp.

Completed in 1935.

Formation	Depth, feet
Surface	45
Guelph and Lockport:	
Buff and grey dolomite	160
Dark-grey shaly dolomite	220
Buff crystalline	240
White, dolomitic limestone	305
Rochester:	
Dark-grey shales	321
Clinton and Thorold:	
Light-grey dolomite with a little shale and sandstone	331
Mainly light-grey sandstone	334
Grimsby:	
Light-grey sand with green and red shale	384
Grey shale	394
Light-grey sandstone and red shale	398
Manitoulin and Whirlpool:	
Grey, sandy shale, grey dolomite, and sandstone	418
Queenston:	
Red shale	560
Greenish-grey shale	570
Red and greenish-grey shale	750

Fresh water at 55 feet; sulphur water at 140 feet; mineral water at 257 and 418 feet.

ROCKTON OIL AND GAS SYNDICATE

Lot 18, con. V, Beverly tp.

Driller: Rockton Oil and Gas Syndicate.
Completed 1935.

Formation	Depth, feet
Samples missing to	1,200
Dark-grey shale, a little grey limestone and fine-grained sandstone	1,210
Dark-grey shale, much grey or brown limestone, a little fine-grained sandstone	1,250
Dark-grey shale, a little brown limestone	1,260
Dark-grey shale, considerable brown limestone, a crinoid fragment	1,290
Dark-grey shale, a little brown limestone	1,320
Dark-grey shale, considerable brown limestone and fine-grained sandstone, a shall fragment	1,400
Gloucester or Collingwood:	
Very dark-grey shale, a very small proportion of grey limestone	1,410
Very dark-grey shale	1,440
Very dark-grey shale, a very little grey limestone	1,450
Very dark-grey shale, only a very little limestone	1,520
Very dark-grey shale, slightly darker in colour and rather better laminated than at 1,400–1,520 feet, practically free from limestone	1,600

ROCKTON OIL AND GAS SYNDICATE

F. Biggs No. 1, lot 30, con. IV, Beverly tp.

Driller: P. Jackson.
Completed 1936.
Dry hole.

Formation	Depth, feet
Surface	20
Guelph and Lockport:	
Light-grey to buff dolomite	40
Buff crystalline dolomite	65
Dark-buff to brown dolomite, green shale	135
Dark-buff to brown dolomite, little shale	140
Light-grey dolomite, little shale	160
Light-grey to white dolomitic limestone	195
Rochester:	
Light-grey to buff dolomite and a little grey shale	200
Clinton:	
Light-buff dolomite and some pyrite and green shale	230
Grimsby and Cabot Head:	
Reddish shale	265
Green shale	295
Manitoulin:	
Dolomitic limestone	305
White Medina:	
Light-grey sandstone	320
Queenston:	
Red shale	790
Red and green shale	820
Meaford-Dundas:	
Grey shales	1,420
Collingwood:	
Dark-grey bituminous	1,650
Trenton and older limestones:	
Dark-grey, fine-grained limestone	1,880
Dark-grey, fine-grained limestone with 10–40 percent grey shale	1,940
Dark-grey, fine-grained limestone with 10 percent grey shale	2,000
Grey limestone	2,126
Grey limestone with flaky kaolinite	2,185
Dense, brown limestone	2,200
Fine granular limestone with some dolomite	2,235
Dense, buff to brown limestone	2,335
Precambrian:	
Coarse crystalline dolomitic limestone or marble	2,675

Final depth reported by G. A. Babcock.... 4,175

Well Records in Ontario—Continued

Localities and formations	Thickness Feet	Depth Feet	Depth at which oil or gas occurred

Lambton County—Continued

Location. North one-half of lot 4, con. VI, Sarnia tp. G.S.C. Summary Rept. E 1918 p 33
This is in the Sarnia-Plympton Field

	Thickness	Depth.
Surface	106	106
Ipperwash limestone or "top rock"	47	153
Petrolia shale or "upper soap"	123	276
Widder beds or "middle lime"	10	286
Olentangy shale or "lower soap"	52	338
Delaware and Onondaga limestone to bottom of well	132	470

Some oil at 440 feet.

THE SARNIA OIL FIELD G.S.C. Summary. Rept. E. 1918. p. 33. M.Y. Williams.

"A very small oil field, on the Indian Reserve, about one mile south of Sarnia Tunnel station - still equipped and may be capable of producing a few barrels of oil per month from 5 or 6 wells. When visited in Aug 1918, it was shut down"

"The oil has accumulated in what appears to be a small fold extending westwards from the Moore field. The formation is very low for oil production, and the field is one of those small areas of oil producing rock which form outliers to the larger fields.

Upper lime	15	165

Location. On the MacGregor farm, lot 16, con. III, Sarnia tp., about one mile south of Sarnia Tunnel station.

	Thickness.	Depth.
Surface	120	120
Huron black shale	30	150
Ipperwash limestone or "top rock"	20	170
Petrolia shale or "upper soap"	260	430
Widder beds or "middle lime"	45	475
Olentangy shale or "lower soap"		
Delaware and Onondaga limestone penetrated to	55	530

Gas and oil at 480 feet.
Oil at 518 feet.

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[illegible]	35	2,110
Medina		
Red shales	440	2,550
Hudson River		
Light grey shales with limestone shells	275	2,825
Utica		
Dark shales	175	3,000
Trenton		
Limestone	380	3,380

In the Onondaga, rock salt from 1,410 to 1,655 feet or 245 feet of it in a solid bed, with only 3 small layers of limestone. Rock salt 1 810-1,835 feet.
Top of well 690 feet above sea level.

Sarnia (Ont, Bur. Mines, Vol. XX, 1911 Part I, p. 254): in Sarnia City

Drift	122	122
Black shale	40	162
Limestone	80	242
Shales	185	427
Limestone	30	457
Shales	46	503
Limestone	987	1,490
Gypsum	5	1,495
Shales and salt	15	1,510
Salt	56	1566
Shale	18	1584
Salt	30	1614

Well Records in Ontario—Continued

Localities and formations	Thickness Feet	Depth Feet	Depth at which oil or gas occurred
Lambton County—Continued			
Enniskillen tp., l. 18, con. II, Fairbanks well (Ont. Bur. Mines, Vol. XXIII, Part I, p. 36):			
Surface	75	75	1,898 to 1,912 Gas
Top soapstone	106	181	
Lime	17	198	
Lower soapstone	34	232	
Limestone and dolomite	998	1,230	
Salt	35	1,265	
Dolomite	57	1,322	
Salt and hard streak	238	1,560	
Brown dolomite	166	1,726	
Salt	40	1,766	
Dolomite	127	1,893	
Dolomite (light)	5	1,898	
Dolomite gas rock	14	1,912	
Oil Springs (Ont. Bur. Mines, Vol. XIV, Part I, p. 113):			
Surface			
Blue clay	58	58	
Hamilton			
"Top rock"	55	113	
Soapstone	109	222	
Middle lime	15	237	
Soapstone	30	267	
Corniferous			
Lower lime	131	398	
Enniskillen tp., l. 11, con. XI (Ont. Bur. Mines, Vol. XIV Part I, p. 113; *see also* Guide Book No. 4, Int Geol. Cong., 1913, p. 100; *see also* Ont. Bur. Mines, Vol. XV, Part I, p. 111):			
Surface			
Blue clay	90	90	
Hamilton			
Shale and limestone	240	330	
Onondaga			
Limestones (oil horizons)	190	520	
Monroe?			
Banded grey, brown and black dolomites	690	1,210	
Salina			
Salt	65	1,275	
Dolomite	20	1,295	
Salt and dolomite	140	1,435	
Dolomite	30	1,465	
Salt	90	1,555	
Salt and dolomite	50	1,605	
Salt	25	1,630	
Grey dolomite	10	1,640	
Salt	67	1,707	
Dolomite and salt	40	1,747	
Salt	138	1,885	
Dolomite, limestone, grey shales	130	2,015	
Salt	90	2,105	
Guelph and Niagara			
Dolomites	275	2,380	
Cataract?			
Red and dark shales	60	2,440	
Limestones	90	2,530	
Richmond (Queenston)			
Red shales	275	2,805	

Well Records in Ontario—Continued

Localities and formations	Thickness Feet	Depth Feet	Depth at which oil or gas occurred
Lambton County—Continued			
Salt	56	1,566	
Shales	18	1,584	
Salt	30	1,614	
Town. Sarnia (Geol. Sur. Can., Vol. V, Part II, p. 69Q): 70Q			
Peterson's well – H Mitchell driller 1887			
Surface	200	200	330 Gas 515 "
Portage			
Shale, black	15	215	
Hamilton, including upper part of Corniferous			
Limestone	150	365	
Shale	85	450	
Limestone	5	455	
Shale	60	515	
Limestone	170	685	
Small flows gas at 330 and 515 feet. which was finally drowned by salt water from 680'±			
Agricultural works by H Mitchell			
Surface	130	130	515 Gas small
Shale, black (Portage)	80	210	Salt water 645
Limestone	80	290	Cased to 140. and
Shale	160	450	plugged back to 640
Limestone	5	455	plug didn't hold
Shale	60	515	and well drowned.
Limestone	150	665	
Dicken's well, near corner Rose and Tecumseh streets.			
Surface deposits) by H Mitchell . Dickens well			
Surface	130	130	473 Gas 20,000 cu
Hardpan	55	185	
Gravel	15	200	no water below surface
Hamilton			
Limestone	90	290	
Shale	100	390	
Limestone	5	395	
Shale	68	463	
Limestone	77	540	
Gas at 473 feet; 20,000 cubic feet per day.			
J.D. Simpson farm Sarnia tp., l. 15, block A, Indian Reserve (Geol. Sur. Can., Vol. V, Part II, p. 68Q):			
Surface	124	124	480 Oil and Gas
Portage			
Shale, with hard "streaks"	32	156	
Hamilton			
Shale and limestone	324	480	
Limestone	15	495	
At 480 feet 20,000 cubic feet gas per day; gas accompanied by some oil.			
Town Sarnia (Geol. Sur. Can., Vol. V, Part II, p. 69Q): Elev. 589 From Stauffer, Devonian of S.W. Ontario			
King's grist mill 1875 Drilled by E Rowlings			
Surface deposits			
Surface sands	9	9	400 Gas
Blue clay	109	118	
"Hardpan"	2	120	Fresh water 120'
Portage			
Shale, black	36	156	
Hamilton			
Limestone	30	186	
Shale	263	449	

Well Records in Ontario—Continued

Localities and formations	Thickness Feet	Depth Feet	Depth at which oil or gas occurred
Lambton County—Continued			
Limestone	5	454	
Shale	40	494	
Limestone	60	554	
Corniferous			
Limestone	100	654	Salt water 654
Onondaga, including lower part of Corniferous			
Limestone, hard	546	1,200	
Limestone, hard and flinty	200	1,400	
Limestone with gypsum	105	1,505	
Top of well 589 feet above tide. Cased to 495 ft			
Small quantities of gas at 400 feet. drilled wet below 654			
*Sarnia tp., South half l. 3, con. VII:			
Surface deposits	100	100	437 Oil
Hamilton			
First lime	25	125	
First soapstone	150	275	
Second lime	5	280	
Second soapstone	50	330	
Lower lime	156	486	
*Sarnia tp., l. 7, con. VII:			
Surface deposits	124	124	475 Oil
Hamilton			
Top rock	51	175	
Top soapstone	122	297	
Middle lime	5	302	
Lower soapstone	60	362	
Lower lime	123	485	
*Sarnia tp., West half l. 2, con. VI:			
Surface deposits	104	104	430 Oil
Hamilton			
First lime	43	147	
First soapstone	129	276	
Middle limestone	7	283	
Soapstone	58	341	
Lower lime	136	477	
Wyoming, in Plympton tp., l. 15, con. I (Geol. Sur. Can., Vol. V, Part II, p. 64Q):			
Surface	104	104	
Portage			
Black shale	4	108	
Hamilton			
Limestone	40	148	
Shale	130	278	
Limestone	15	293	
Shale	43	336	
Limestone	68	404	
Corniferous			
Limestone, soft	40	444	
Limestone, grey	36	480	
Top of well 697 feet above tide.			
Kingston Mills, Warwick tp. (Geol. Sur. Can., Vol. V, Part II, p. 64Q):			
Depth of well 1,400 feet; well terminated in a "hard rock"; salt was said to be found at 1,200 feet,			

Log No. 103.—Information by E. Coste & Co., Chatham

Lot	Concession	Township	County
23	I	Moore	Lambton

Dry hole. Completed October 6, 1923.

Formation	Thickness of formation
Surface	195 feet
Portage	205 "
Hamilton	247 "
Corniferous (big lime)	203 "
Salina	80 "
Total depth	930 feet

Gas at 140 and 245 feet.

Log No. 104.—Information by A. Calvert, Petrolia

Lot	Concession	Township	County
E½ 25	V	Plympton	Lambton

Completed October 31, 1923.

Formation	Thickness of formation
Clay	85 feet
Black shale	105 "
Limestone	2 "
Soapstone	192 "
Limestone	17 "
Soapstone	40 "
Limestone	114 "
Total depth	556 feet

Log No. 105.—Information by Leo Wilson, Sarnia

Lot	Concession	Township	County
17, No. 1 Marks	VII	Sarnia	Lambton

Open flow: 20,000 cu. ft. shut 3 times plugged Completed August 29, 1922.

Formation	Thickness of formation
Surface	100 feet
Black shale	40 "
Top rock	155 "
Soap	260 "
Middle lime	5 "
Soap	60 "
Big lime	91 "
Total depth	571 feet

Log No. 106.—Information by Leo Wilson, Sarnia

Lot	Concession	Township	County
17, No. 2 Marks	VII	Sarnia	Lambton

Open flow: 10,000 cu. ft. Completed October, 1922.

plugged

Formation	Thickness of formation
Surface	100 feet
Black shale	40 "
Top rock	148 "
Soap	260 "
Middle lime	5 "
Soap	60 "
Big lime	105 "
Total depth	578 feet

Gas at 103, 476, 503, and 513 feet.

Log No. 107.—Information by Leo Wilson, Sarnia

Lot	Concession	Township	County
8, No. 2 Hancock	~~VIII~~ VII	Sarnia	Lambton

Open flow: 100,000 cu. ft. Completed in 1904.
Rock pressure: 99 lbs.

Formation	Thickness of formation
Surface	123 feet
Top rock	60 "
Upper soap	125 "
Middle lime	5 "
Lower soap	60½ "
Big lime	97½ "
Total depth	471 feet

Gas at 405 and 471 feet.

Log No. 108.—Information by Leo Wilson, Sarnia

Lot	Concession	Township	County
8, No. 3 Hancock	VII	Sarnia	Lambton

Open flow: 100,000 cu. ft. Completed in 1904.
Rock pressure: 99 lbs.

Formation	Thickness of formation
Surface	123 feet
Top rock	69 "
Upper soap	120 "
Middle lime	5 "
Lower soap	60 "
Big lime	97½ "
Total depth	474½ feet

LOG NO. 109.—INFORMATION BY LEO WILSON, SARNIA

Lot	Concession	Township	County
14	VII	Sarnia	Lambton

Open flow: 255,000 cu. ft. Completed November 17, 1921.
Rock pressure: 27 lbs.

Formation	Thickness of formation
Surface	120 feet
Top rock	90 "
Soap	164 "
Middle lime	5 "
Soap	66 "
Big lime	95 "
Total depth	540 feet

Gas at 530 feet.

LOG NO. 110.—INFORMATION BY LEO WILSON, SARNIA

Lot	Concession	Township	County
N½ 9	VIII	Sarnia	Lambton

Open flow: 35,000 cu. ft. Completed April, 1921.
Rock pressure: 89 lbs.

Formation	Thickness of formation
Surface	138 feet
Top rock	62 "
Upper soap	124½ "
Middle lime	5 "
Lower soap	64½ "
Big lime	96 "
Total depth	490 feet

Gas at 490 feet.

LOG NO. 111.—INFORMATION BY LEO WILSON, SARNIA

Lot	Concession	Township	County
8	VIII Hutcheson	Sarnia	Lambton

Dry hole.

Formation	Thickness of formation
Surface	125 feet
Top rock	55 "
Soap	120 "
Middle lime	5 "
Soap	75 "
Big lime	100 "
Total depth	480 feet

Slight show of gas at 465 feet.

LOG NO. 112.—INFORMATION BY LEO WILSON, SARNIA

Lot	Concession	Township	County
13	VII	Sarnia	Lambton

Open flow: 75,000 cu. ft.
Rock pressure: 98 lbs.

Completed December 17, 1921.

Formation	Thickness of formation
Surface	120 feet
Top rock	85 "
Soap	166 "
Middle lime	5 "
Soap	63½ "
Big lime	90½ "
Total depth	530 feet

Gas at 250 and 300 feet.
Slight show of oil.

LOG NO. 113.—INFORMATION BY LEO WILSON, SARNIA

Lot	Concession	Township	County
13	VIII	Sarnia	Lambton

Open flow: 50,000 cu. ft.
Rock pressure: 135 lbs.

Completed September 8, 1921.

Formation	Thickness of formation
Surface	122 feet
Top rock	68 "
Upper soap	170 "
Middle lime	5 "
Lower soap	64 "
Big lime	95 "
Total depth	524 feet

Gas at 430 feet.
Gas and oil at 465 feet.

LOG NO. 114.—INFORMATION BY LEO WILSON, SARNIA

Lot	Concession	Township	County
13	VII	Sarnia	Lambton

Open flow: 35,000 cu. ft.
Rock pressure: 88 lbs.

Completed October 25, 1921.

Formation	Thickness of formation
Surface	126 feet
Top rock	74 "
Soap	165 "
Middle lime	5 "
Soap	65 "
Big lime	90 "
Total depth	525 feet

Gas at 240 and 525 feet.

Log No. 118.—Information by Leo Wilson, Sarnia

Lot	Concession	Township	County
16	VII	Sarnia	Lambton

Open flow: 10,000 cu. ft. Completed November 8, 1922.

Plugged

Formation	Thickness of formation
Surface	106 feet
Top rock	176 "
Soap	120 "
Middle lime	5 "
Big lime	95 "
Total depth	562 feet

Gas at 562 feet.

Log No. 119.—Information by Leo Wilson, Sarnia

Lot	Concession	Township	County
16	VII	Sarnia	Lambton

Open flow: 93,980 cu. ft. Completed February 10, 1923.
Rock pressure: 112½ lbs.

Formation	Thickness of formation
Surface	100 feet
Black shale	35 "
Top rock	140 "
Soap	120 "
Middle lime	5 "
Soap	60 "
Big lime	87 "
Total depth	547 feet

Gas at 540 and 545 feet.

Log No. 120.—Information by Leo Wilson, Sarnia

Lot	Concession	Township	County
19	VII E Gibbs	Sarnia	Lambton

Well abandoned. Completed June 10, 1921

Good gas well couldn't keep the water

Formation	Thickness of formation
Surface	112 feet
Black shale	50 "
Top rock	139 "
Soap	120 "
Middle lime	5 "
Soap	60 "
Big lime	124 "
Total depth	610 feet

Gas at 575 and 610 feet.
Well flooded out.

LOG NO. 115.—INFORMATION BY LEO WILSON, SARNIA

Lot	Concession	Township	County
18	VII	Sarnia	Lambton

Open flow: 20,000 cu. ft.
Rock pressure: 215 lbs.

Completed August 17, 1921.

Formation	Thickness of formation
Surface	111 feet
Black shale	40 "
Top rock	138 "
Soap	120 "
Middle lime	5 "
Soap	60 "
Big lime	85 "
Total depth	569 feet

Gas at 544 and 569 feet.

LOG NO. 116.—INFORMATION BY LEO WILSON, SARNIA

Lot	Concession	Township	County
18	VII	Sarnia	Lambton

Open flow: 45,000 cu. ft.
Rock pressure: 150 lbs.

Completed October, 1921.

Formation	Thickness of formation
Surface	106 feet
Black shale	40 "
Top rock	152 "
Soap	119 "
Middle lime	5 "
Soap	60 "
Big lime	95 "
Total depth	577 feet

Gas at 210 and 567 feet.

LOG NO. 117.—INFORMATION BY LEO WILSON, SARNIA

Lot	Concession	Township	County
18	VII	Sarnia	Lambton

Open flow: 40,000 cu. ft.
Rock pressure: 90 lbs.

Completed October 20, 1922.

Formation	Thickness of formation
Surface	110 feet
Black shale	5 "
Top rock	168 "
Shale	120 "
Middle lime	5 "
Lower soap	60 "
Big lime	95 "
Total depth	563 feet

LOG NO. 121.—INFORMATION BY LEO WILSON, SARNIA

Lot	Concession	Township	County
19	VII D Perry	Sarnia	Lambton

Well abandoned. Completed July, 1921.

Current pump the water

Formation	Thickness of formation
Surface	125 feet
Black shale	50 "
Top rock	140 "
Soap	120 "
Middle lime	5 "
Soap	60 "
Big lime	49 "
Total depth	549 feet

Gas at 537 and 549 feet.

LOG NO. 122.—INFORMATION BY LEO WILSON, SARNIA

Lot	Concession	Township	County
19 or 18	VII Neely	Sarnia	Lambton

Dry hole. Completed September 30, 1921.

Formation	Thickness of formation
Surface	111 feet
Black shale	40 "
Top rock	144 "
Soap	120 "
Middle lime	5 "
Soap	60 "
Big lime	116 "
Total depth	596 feet

LOG NO. 123.—INFORMATION BY LEO WILSON, SARNIA

Lot	Concession	Township	County
13	VIII Luckins	Sarnia	Lambton

Well abandoned. Completed October 7, 1921.

Formation	Thickness of formation
Surface	139 feet
Top rock	81 "
Soap	170 "
Middle lime	5 "
Soap	64 "
Big lime	96 "
Total depth	555 feet

Gas at 555 feet.

Log No. 124.—Information by Canadian Dutch Oils, Ltd., Petrolia

Lot	Concession	Township	County
I	I	Warwick	Lambton

Completed August 20, 1923.

Formation	Thickness of formation
Clay	93 feet
Black shale	105 "
Limestone and soapstone	267 "
Lower limestone	107 "
Small amount of salt, containing salt water	23 "
Total depth	595 feet

Gas at 560 feet.

Log No. 125.—Information by Canadian Dutch Oils, Ltd.

Lot	Concession	Township	County
W½ 6	Egremont road	Warwick	Lambton

Dry hole.

Completed November 3, 1923.

Formation	Thickness of formation
Surface	65 feet
Gravel and sand	2 "
Shale	87 "
Top rock	55 "
Soapstone	145 "
Middle lime	10 "
Soap	15 "
Middle lime	10 "
Lower soap	39 "
Corniferous lime	110 "
Total depth	538 feet

Log No. 126.—Information by Hamilton Gas & Oil Co., Hamilton

Lot	Concession	Township	County
13	XIV	Williams East	Lambton

Dry hole.

Completed June 2, 1922.

Formation	Thickness of formation
Subsoil	4 feet
Sand	1 "
Clay	105 "
Soap and clay	10 "
Clay	115 "
Hard pan	8 "
Onondaga lime	98 "
Oriskany sand	24 "
Lime rock	12 "
Gypsum	8 "
Gypsum and lime	81 "
Lime	26 "
Total depth	492 feet

Gas at 341 to 347 feet.

LOG NO. 69.—SOUTH SARNIA PROPERTIES, LIMITED, SARNIA

Block 107, Indian Reserve, Sarnia tp.

Completed June 12, 1926.

Formation	Thickness, ft.
Surface	104
Sand	11
Total depth	115

LOG NO. 70.—GEORGE STEEL, SARNIA

Lot 6, con. III, Sarnia tp.

Completed October, 1926.

Formation	Thickness, ft.
Surface	100
Top rock	45
Top soap	120
Middle lime	18
Lower soap	45
Lower lime	65
Total depth	393

LOG NO. 81.—ELSOM PROCTOR, PETROLIA

Lot 10 E½, con. III, Sarnia tp.

Completed March 30, 1925.
Open flow: 7,000 cu. ft.

Formation	Thickness, ft.
Surface	120
Top rock	60
Soap	120
Middle lime	15
Soap	49
Lower lime	71
Total depth	435

LOG NO. 82.—SARNIA CITY DAIRY, SARNIA

City of Sarnia, Sarnia tp.

Completed January, 1925. Centre of City Lot. Cor. Stewart & Telford Sts.
A. F. Small.

Formation	Thickness, ft.	
Clay	115	
Shale	50	165
Rock	160	325
Soap	120	445
Middle lime	10	455
Soap	50	505
Lime	155	660
Total depth	660	

Gas at 170, 510, 540, 605, and 660 feet.

LOG NO. 83.—REUBEN PROCTOR, R.R. 2, SARNIA

N.E. cor Lot 3, con. X, Sarnia tp.

Completed February, 1925.
Open flow: 50,000 cu. ft. R.P.

Formation	Thickness. ft.	
Surface	120	
Top rock	60	180
Soap	120	300
Middle lime	8	308
Soap	52	360
Lower lime	40	400
Total depth	400	

Gas at 390 feet.

Red shale	5
Total depth	1,308

Gas at 1,205 feet.

LOG NO. 103.—W. SMITH, SARNIA

Bedell driller Lot 13, con. II, Sarnia tp.

Completed April 12, 1924.
Open flow: 75,000 cu. ft. R.P. 85#
Oil - 1 barrel per day.

Formation	Thickness, ft.
Surface	149
Top rock	70
Soap	120
Middle lime	8
Lower soap	81
Lower lime	52
Total depth	480

Gas at 480 feet. R.P 85#
Oil at 480 - 1 barrel per day

LOG NO. 104.—WALTER COX, SARNIA

Bedell driller Lot 11, con. II, Sarnia tp. W. Cox. farm.

Completed January 28, 1924.
Open flow: 100,000 cu. ft.
Rock pressure: 150 lbs.

Formation	Thickness, ft.
Surface	140
Top rock	70
Top soap	120
Middle lime	8
Lower soap	80
Lower lime	22
Total depth	440

Gas at 440 feet.

LOG NO. 105.—J. L. RITCHIE, SARNIA

Lot 5 N. ½, McGregor Rd., Sarnia tp.

Completed June 7, 1924.
Gas for one house

Formation	Thickness, ft.	
Surface	121	
Shale	50	171
Soap rock and shale	80	251
Soap	120	371
Middle lime	7	378
Soap	90	468
Lower lime	50	518
Total depth	518	

Gas at 121, 146, and 476 feet.

LOG NO. 106.—ALLOY STEEL CO., SARNIA

Indian Reserve, Scott St., Sarnia tp.

Completed October 7, 1924
Open flow: 60,000 cu. ft.

Formation	Thickness, ft.	
Surface	118	
Shale	50	168
Streak shale and rock	90	258
Soap and grey shale	195	453
Lower lime	95	548
Total depth	548	

Gas at 471, 543, and 548 feet.

LOG NO. 76.—DOMINION NATURAL GAS CO., BUFFALO, N.Y.

Lot 25, con. IV, S.T.R., Middleton tp.

Completed June 28, 1926.
Dry hole.

Formation	Thickness, ft.
Surface	231
Lime and shale	154
Flint	125
Lime and shale	453
Niagara	202
Shale	55
Clinton	20
Shale	63
Total depth	1,303

W. Windover

W. Windover No. 1, lot 20, con. IV, Sarnia tp.
Completed February 27, 1942.
Dry hole

Formation	Thickness, ft.
Surface	118
Black and grey shale	83
Top rock	85
Soap	149
Middle lime	5
Lower soap	60
Grey lime	92
Total depth	592

Show of oil at 508 feet.
Show of gas at 592 feet.
Fresh water at 118 feet.

Francis Shaw

F. Shaw No. 1, lot A, Indian reserve, Sarnia tp.
Completed March 24, 1945.
Dry hole.

Formation	Depth, ft.
Surface	115
Black shale	155
Grey shale	163
Lime and shale	280
Shale	400
Middle lime	404
Shale	469
Grey lime	586

Show of gas at 246 and 275 feet.
Show of oil at 475 feet.
Salt water at 586 feet.

Blue shale

N. R. Jackson

N. R. Jackson No. 2, lot 9, con. VIII, Sarnia tp.
Completed December 12, 1946.
Producing gas well.
Rock pressure: 95 lbs.

Formation	Depth, ft.
Surface	138
Top rock	200
Upper soap	324
Middle lime	329
Lower soap	394
Brown lime	490

Gas at 475 feet.

H. M. Doupe

H. M. Doupe No. 1, lot 17, con. VI, Sarnia tp.
Driller: W. Windover.
Completed July 26, 1947.
Producing gas well.
Rock pressure: 160 lbs.

Formation	Depth, ft.
Surface	117
Black shale	170
Top rock	250
Soap	412
Middle lime	419
Lower soap	486
Lime	523

Gas at 491 feet.
Fresh water at 125 feet.

Completed May 6, 1926.
Open flow: 29,000 cu. ft.
Rock pressure: 510 lbs.

Formation	Thickness, ft.
Surface	277
Lime	183
Flint	100
Sharp sand	40
Lime and shale	370
Niagara	253
Shale	49
Clinton	27
Red Medina	33
Grey shale	8
Total depth	1,340

Gas at 1,297 feet.

Dow Chemical Co. of Canada, Ltd.

Dow Chemical Co. of Canada, Ltd. No. 1, lot 30 River front, Sarnia tp.
Driller: J. L. Ashton.
Completed April 16, 1947.
Dry hole.

Formation	Depth, ft.
Surface	109
Black shale	219
Top rock	299
Soap	515
Grey lime	561
Brown lime	743
Brown lime and gypsum	852
Brown and grey lime	1,005
Brown and grey lime	1,185
Grey and brown lime	1,510
Grey and blue lime	1,540
Grey lime and salt	1,680
Brown lime	1,755
Brown lime and salt	1,782
Brown lime	1,820
Grey lime and salt	1,844
Brown lime	1,850
Salt and shell	1,877
Grey lime	1,892
Brown and grey lime	1,972
Salt and shell	2,010
Blue shale and lime	2,090
Salt	2,375
Brown lime	2,432
Grey lime	2,540
Salt	2,685
Brown and grey lime	2,720

Show of gas at 385 and 515 feet.
Show of oil at 2,690 to 2,695 feet.
Fresh water at 107 feet; sulphur water at 680 feet.

W. Kimber

W. Kimber No. 1, lot 17, con. VI, Sarnia tp.
Driller: W. Windover.
Completed September 11, 1947.
Producing gas well.
Rock pressure: 125 lbs.

Formation	Depth, ft.
Surface	117
Black shale	164
Top rock	253
Soap	417
Middle lime	421
Soap	487
Lower lime	623

Gas at 580 to 585 feet.
Fresh water at 117 feet; salt water at 623 feet.

A. Pearson

A. Pearson No. 1, lot 11, con. VII, Sarnia tp.
Driller: F. Jackson.
Completed June 10, 1948.
Producing gas well.
Rock pressure: 50 lbs.

Formation	Depth, ft.
Surface	120
Black shale	125
Top lime	245
Upper soap	372
Middle lime	377
Lower soap	436
Lower lime	525

Gas at 520 feet.
Salt water at 130 feet.

Log No. 84.—Dominion Natural Gas Co., Buffalo, N.Y.

Lot 14, con. VI, Woodhouse tp.
Completed November 15, 1926.
Open flow: 142,000 cu. ft.
Rock pressure: 460 lbs.

Formation	Thickness, ft.
Surface	80
Flint	100
Lime and shale	376
Niagara	250
Black lime	50
Shale	30
Clinton	24

Imperial Oil Co

CAMLACHIE OIL EXPLORATIONS, LTD.

J. Lamont No. 1, lot 5, con. "A," Sarnia tp.

Driller: W. Hussey.
Completed August 1, 1949.
Dry hole.

Formation	Depth, ft.
Surface	100
Black shale	200
Top rock	260
Soap	510
Lower lime	524

Fresh water at 215 feet.

CAMLACHIE OIL EXPLORATIONS, LTD.

E. Lusk No. 1, lot 7, con. "A," Sarnia tp.

Driller: W. Hussey.
Completed September 25, 1949.
Dry hole.

Formation	Depth, ft.
Surface	100
Black shale	200
Top rock	260
Soap	510
Lower lime	515

Fresh water at 215 feet.

F. W. JACKSON

F. Jackson No. 1, lot 9, con. VI, Sarnia tp.

Driller: F. Jackson.
Completed January 22, 1949.
Dry hole.

Formation	Depth, ft.
Surface	153
Top lime	223
Upper soap	348
Middle lime	353
Lower soap	413
Big lime	558

Fresh water at 155 feet; salt water at 513 feet.

SARNI

IMPERIAL OIL Co
F Robert
& L Pratt #1 lot 11 Con I
Elev 644
Comp Mar 12-52 Dry Hole

Surface	130
Black shale	153
Hamilton	432
Brown lime	690
do & gyp	758
Brown lime	898
Sharp brown & grey lime	1070
Brown & grey lime	1191
Blue lime & gyp	1202
Brown lime & gyp	1211
Grey brown & blue lime	1290
Blue & brown lime	1358
Salt & lime	1432
Brown & grey lime	1450
Brown lime & salt	1524
Brown lime	1549
Grey lime, salt & brown lime	1617
Brown & grey lime	1657
Brown lime & gypsum	1665
Brown lime	1699
do & gyp	1706
Brown lime & salt	1760
Lime & shale	1856
Grey lime salt & brown lime	2156
Brown & grey lime	2303
Salt & lime	2406
Do & gypsum	2411
Brown lime	2547
grey lime & gypsum	2555
Brown & grey lime	2572
Grey lime	2645
Grey shale	2657

+212

Fresh water 128 sulphur 565-73

644
432
212

605
48
120

583
485
98

IMPERIAL OIL, LTD.

S. and B. Beatty No. 1, lot 8, con. VI, Sarnia tp.

Driller: R. McPherson.
Completed May 19, 1952.
Dry hole.

Formation	Depth, feet
Surface	144
Black shale	151
Hamilton	404
Brown lime	550
Brown lime and gypsum	575

Show of gas at 412 feet.
Fresh water at 148 feet; sulphur water at 412 feet.

IMPERIAL OIL, LTD.

D. Kember No. 1, lot 13, con. V, Sarnia tp.

Driller: Stubble and Stubble.
Completed October 17, 1952.
Dry hole.

Elev 605
+120

Formation	Depth, feet
Surface	114
Black shale	185
Hamilton	485
Brown and grey lime	863
Grey and brown lime and gypsum	995
Sharp grey lime	1,155
Grey and brown lime	1,260
Brown and blue lime	1,615
Grey lime and salt	1,755
Brown lime	1,803
Grey and brown lime and salt	1,866
Brown lime	1,896
Salt and lime	1,946
Blue, brown and grey lime	2,180
Grey and brown lime, salt, and shells	2,410
Brown lime	2,491
Grey lime	2,592
Brown lime	2,615
Grey lime	2,810
Grey shale	2,817

Fresh water at 112 feet; sulphur water 620–30 feet.

See under leaf
log lot 11 Con II

Lambton County—Continued

UNION GAS CO. OF CANADA, LTD.—MOORE No. 7

J. Rattray No. 2, lot 1, con. IV, Moore tp.

Location: 75 ft. N., 75 ft. W.
Elevation: 636 ft.
Driller: W. Kiser and Son.
Completed: Apr. 9, 1953.
Result: dry hole.

Formation	Depth ft.
Surface	72
Black shale	149
Hamilton	503
Brown lime	1,038
Sharp lime	1,201
Brown lime	1,329
Brown and blue lime and gypsum	1,355
Brown, grey, and blue lime	1,728
Lime and salt	1,818
Brown lime	1,862
Brown, blue, and grey lime	1,946
Salt and lime	2,037
Brown lime	2,157
Brown lime and gypsum	2,163
Brown lime	2,193
Grey lime	2,281
Blue shale	2,285

Show of gas at 1,818–24 ft.
Fresh water at 69 ft.; sulphur water at 690 ft.; salt water at 1,856 and 2,175 ft.

IMPERIAL OIL, LTD.—No. 372

W. Manning No. 1, lot 28, con. XIII, Plympton tp.

Location: 300 ft. S., 400 ft. E.
Elevation: 685 ft.
Driller: R. McMaster and Sons.
Completed: Apr. 3, 1953.
Result: dry hole.

Formation	Depth ft.
Surface	107
Black shale	131
Hamilton	460
Brown lime	500
Grey lime	629
Brown lime	732
Gypsum	753
Gypsum and lime	767
Brown lime	971
Sharp lime	1,121
Brown lime	1,242
Blue and brown lime	1,404
Brown lime and salt	1,600
Blue and grey lime	1,658
Salt	1,672
Grey lime	1,682
Salt	1,769
Blue lime	1,794
Salt and lime	1,829
Brown lime	1,854
Salt	2,095
Brown and grey lime	2,225
Salt	2,290
Brown and grey lime	2,550
Rochester (grey shale)	2,570
Medina (red and blue shale)	2,575

Fresh water at 90 ft.; sulphur water at 620 ft.

UNION GAS CO. OF CANADA, LTD.—MOORE No. 9

V. and E. Vye No. 1, lot 8, con. II, Moore tp.

Location: 800 ft. N., 850 ft. W.
Elevation: 622+2 ft.
Driller: Kiser Drilling Co.
Completed: Dec. 3, 1953.
Result: dry hole.

Formation	Depth ft.
Surface	125
Brown shale	275
Hamilton	558
Brown lime	1,210
Sharp lime	1,405
Brown lime	1,582
Grey, blue and brown lime	1,915
Lime and gypsum	1,921
Brown lime	1,961
Dark-grey and brown lime	2,042
Lime and gypsum	2,048
Brown lime	2,102
Grey lime	2,160
Lime and gypsum	2,170
Brown lime	2,215
Grey lime	2,315
Grey shale	2,320

Shows of gas and oil at 2,180–85 ft.
Sulphur water at 618 ft.; salt water at 2,180 ft.

IMPERIAL OIL, LTD.—No. 388

A. Felton No. 1, lot 10, con. IX, Sarnia tp.

Location: 110 ft. N., 100 ft. W.
Elevation: 593+2 ft.
Driller: R. McMaster and Sons.
Completed: July 16, 1953.
Result: dry hole.

Formation	Depth ft.
Surface	102
Black shale	236
Hamilton	502
Brown lime	846
Grey lime	970
Sharp lime	1,183
Brown lime	1,366
Blue shale and lime	1,490
Lime and salt	1,655
Brown lime	1,692
Lime and salt	1,716
Brown and blue lime	1,724
Lime and salt	1,768
Shale and lime	1,985
Salt	2,016
Brown lime	2,035
Lime and salt	2,305
Brown lime	2,340
Grey and brown lime	2,431
Salt	2,532
Gypsum	2,539
Brown lime	2,559
Brown and grey lime	2,590
Grey lime	2,662
Guelph	2,773
Rochester shale	2,884

Sulphur water at 625 and 695 ft.

Lambton County—Continued

IMPERIAL OIL, LTD.—No. 393

E. Kleefman No. 1, lot 12, con. V, Sarnia tp.

Location: 200 ft. S., 500 ft. W.
Elevation: 591 ft.
Driller: Stubble and Stubble.
Completed: July 19, 1953.
Result: dry hole.

Formation	Depth ft.
Surface	175
Hamilton	430
Brown lime	674
Brown lime and gypsum	737
Brown lime	845
Sharp, brown and grey lime	1,081
Brown lime	1,174
Blue, brown, and grey lime	1,258
Brown lime and gypsum	1,275
Brown and blue lime	1,410
Salt and lime	1,557
Grey and brown lime	1,567
Brown lime and gypsum	1,577
Lime and salt	1,600
Brown lime	1,609
Salt	1,640
Brown lime	1,660
Brown and blue lime	1,820
Lime and salt	1,878
Blue lime	1,947
Salt and lime	1,953
Lime and shale	1,978
Lime and salt	2,030
Brown lime	2,055
Salt and lime	2,277
Brown lime	2,341
Dark-grey lime	2,425
Lime and salt	2,445
Salt	2,535
Brown lime and gypsum	2,550
Brown lime	2,665
Grey lime and gypsum	2,688
Brown lime	2,708
Grey lime	2,773

Fresh water at 95 ft.; sulphur water at 555 ft.; salt water at 2,580 ft.

IMPERIAL OIL, LTD.—No. 404

W. Moore No. 1, lot 14, con. V, Sarnia tp.

Location: 950 ft. N., 150 ft. E.
Elevation: 605 ft.
Driller: Stubble and Stubble.
Completed: Sept. 25, 1953.
Result: dry hole.

Formation	Depth ft.
Surface	122
Black shale	190
Hamilton	297
Brown and grey lime	689
Brown and grey lime and gypsum	1,005
Sharp, brown and grey lime	1,141
Brown and grey lime	1,229
Brown lime and gypsum	1,269
Brown and grey lime and gypsum	1,326
Blue, brown, and grey lime	1,469
Blue lime and salt	1,600
Brown and blue lime	1,621
Blue lime and salt	1,801
Brown lime and gypsum	1,835
Grey and brown lime and blue shale	2,014
Salt and brown lime	2,313
Brown and grey lime	2,462
Salt and lime	2,588
Brown lime	2,617
Brown lime and gypsum	2,643
Dark-brown and grey lime	2,751
Grey lime	2,820
Shale	2,825

Fresh water at 119 ft.; sulphur water at 620 ft.

IMPERIAL OIL, LTD.—No. 370

I. Moore No. 1, lot 7, con. IV, Sarnia tp.

Location: 1,000 ft. N., 100 ft. W.
Elevation: 620 ft.
Driller: R. McMaster and Sons.
Completed: Feb. 26, 1953.
Result: dry hole.

Formation	Depth ft.
Surface	123
Hamilton	408
Brown lime	560
Water sand	602
Lime and gypsum	753
Grey lime	857
Brown and grey lime	1,202
Blue and brown lime	1,212
Blue shale and gypsum	1,234
Blue lime	1,242
Brown lime	1,301
Blue shale and gypsum	1,364
Salt lime and blue shale	1,491
Salt and brown lime	1,545
Brown lime and gypsum	1,559
Blue and brown lime	1,572
Salt and lime	1,632
Blue, brown, and grey lime	1,724
Salt and lime	1,767
Blue shale and gypsum	1,821
Blue shale	1,870
Salt and lime	1,960
Salt	2,038
Salt and lime	2,095
Salt	2,149
Brown lime	2,200
Grey and blue lime	2,280
Gypsum and limestone	2,298
Limestone and salt	2,398
Limestone and gypsum	2,403
Brown limestone	2,634

Show of gas at 408 ft.
Fresh water at 108 ft.; black sulphur water at 560 ft.

Lambton County - Continued

IMPERIAL OIL LTD. - No. 440
F. Marshall No. 1
Sarnia Tp., Lot 8, Con. I.

Co-ordinates: 2000' S., 100' W.
Elevation: 634' + 2'.
Driller: R. McPherson.
Completed: May 21, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	150	150
Hamilton	248	398
Brown lime	337	735
Brown lime and gypsum	75	810
Sharp sand	205	1,015
Brown lime	99	1,114
Blue and brown lime and gypsum	196	1,310
Salt	31	1,341
Brown lime	4	1,345
Salt	39	1,384
Blue shale	36	1,420
Salt	25	1,445
Brown lime	10	1,455
Salt	30	1,485
Brown lime and shale	27	1,512
Salt	72	1,584
Grey shale	96	1,680
Salt	18	1,698
Grey shale	104	1,802
Salt	283	2,085
Brown lime	115	2,200
Grey lime and shale	48	2,248
Salt	87	2,335
Brown lime	115	2,450
Grey lime and shale	50	2,500
Brown lime	40	2,540
Grey lime	42	2,582
Grey lime and shale	3	2,585

Water
Fresh at 149'
Sulphur at 661' to 670'

Section IX: Sombra Township

Chapter I: Lambton County

The Harkness Files
Volume IX
Lambton

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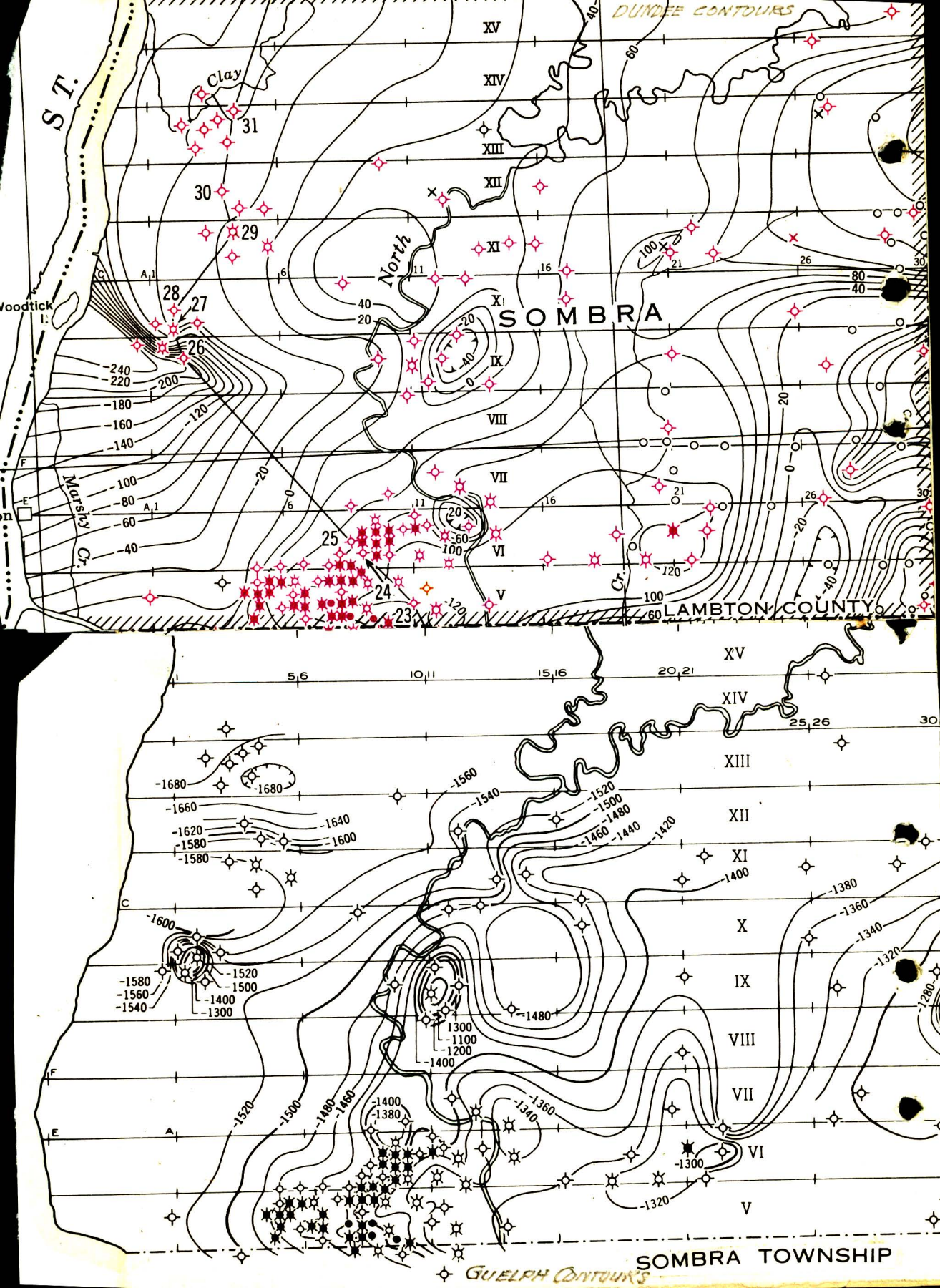
DUNDEE CONTOURS
S T.
Clay
North
SOMBRA
Woodtick I.
Marshy Cr.
Cr.
LAMBTON COUNTY
SOMBRA TOWNSHIP
GUELPH CONTOURS

SOMBRA

Chatham Planet July 31st 1914

Just as soon as drilling rigs can be procured here deep wells for gas will be put down in Sombra township to 2100 for men interested are well known Petrolia men.

Chatham News Dec 26th 1920

In General for explosion at Sterling Bank

G.S.C. Rept 1866 p 244

Several wells sunk along the Sydenham River in the town of Sombra & Camden present a considerable thickness of black shales overlying the gray Hamilton shales. One on the North branch in lot 12 Con VII Sombra not more than 10' above the river 110' clay 100' black shale 100'+ soapstone. Similar results were obtained near adjoining lot, while another in lot 12 Con X gave clay 120' black shale 20' soap 60'+

SARNIA

Chatham Planet [illegible] 1916

Mr. S. L. McKay a director of the Union Gas Co. has announced that a new 10" plan and pipe line will be laid from Sarnia to Mr. Tilbury Field to replace the present line which is small and in bad shape. The distance is 57 miles. Work to begin weather permitting

SOUTHWESTERN ONTARIO

WELL	TOWNSHIP	LOT	CONC.	ELEV.	TOTAL DEPTH	HURON			HAMILTON			DUNDEE EQUIV.			DETROIT RIVER			BOIS BLANC ISLAND			SALINA TOTAL			GUELPH-LOCKP.		
						Top	Base	Thick.	Top	Base	Thick.	Top	Base	Thick.	Top	Base	Thick.	Top	Base	Thick.	Top	Base	Thick.	Top	Base	Thick
Ferry 1	Sombra	8	10	606	2255	+426	+253	173	+253	+34	219	+34	-65	99	-65	-465	400	-465	-532	67	-532	-1543	1011	-1543	-1644	101
Raymond 1	"	18	6	591	1934	+502	+336	166	+336	+119	217	+119	+41	78	+41	-346	387	-346	-432	86	-432	-1313	881	-1313		
Wade 1	"	19	6	593	1953	+538	+331	207	+331	+118	213	+118	+50	68	+50	-329	379	-329	-424	95	-424	-1316	892	-1316		
Cevany 1	"	18	10	600	2234	+476	+260	216	+260	+35	225	+35	-62	97	-62	-445	383	-445	-505	60	-505	-1480	975	-1480	-1619	139
" 2	"	11	10	605	2150	+460	+275	185	+275	+35	240	+35	-70	105	-70	-475	405	-475	-584	109	-584	-1486	902	-1486		
" 3	"	14	11	603	2235	+478	+264	214	+264	+44	220	+44	-25	69	-25	-457	432	-457	-545	88	-545	-1425	880	-1425	-1617	192
" 4	"	13	11	594	2253	+470	+244	226	+244	+39	205	+39	-50	89	-50	-473	423	-473	-552	79	-552	-1530	978	-1530	-1649	119
" 5	"	15	10	606	2200	+474	+275	199	+275	+55	220	+55	-45	100	-45	-469	424	-469	-553	84	-553	-1449	896	-1449	-1587	138
" 6	"	15	11	607	2214	+481	+272	209	+272	+60	212	+60	-32	92	-32	-445	413	-445	-538	93	-538	-1475	937	-1475	-1596	121
Whitebread 1	"	A	5	584	2165	+438	+211	227	+211	+1	210	+1	-102	103	-102	-524	422	-524	-611	87	-611	-1522	911	-1522		
" 2	Chatham-Gore	B	4	580	2122	+429	+249	180	+249	+46	203	+46	-43	89	-43	-440	397	-440	-519	79	-519	-1486	967	-1486		
Perdee 1	Sombra	30	6	611	2003	+598	+256	282	+256	+31	225	+31	-49	80	-49	-449	400	-449	-559	110	-559	-1284	725	-1284		
Wilkesport 1	"	16	12	603	2180	+475	+269	206	+269	+52	217	+52	-47	99	-47	-470	423	-470	-548	78	-548	-1519	971	-1519		
" 2	"	17	11	607	2095	+496	+287	209	+287	+62	225	+62	-33	95	-33	-419	386	-419	-502	83	-502	-1440	938	-1440		
" 3	"	17	10	607	2100	+504	+275	229	+275	+69	206	+69	-22	91	-22	-418	396	-418	-493	75	-493	-1448	955	-1448		
" 4	"	12	12	604	2180	+449	+252	197	+252	+29	223	+29	-66	95	-66	-496	430	-496	-574	78	-574	-1532	958	-1532		
Charlement 1	"	27	7	608	2029	+534	+319	221	+319	+93	220	+93	+9	84	+9	-555	564	-555	-651	96	-651	-1290	639	-1290	-1410	120
" 2	"	26	7	601	2107	+533	+211	322	+211	-4	215	-4	-91	87	-91	-552	461	-552	-640	88	-640	-1385	745	-1385	-1484	99
Terminus 1	"	21	11	610	2164	+520	+300	220	+300	+86	214	+86	+2	84	+2	-397	399	-397	-517	120	-517	-1410	893	-1410	-1545	135
" 2	"	20	8	600	2068	+527	+306	221	+306	+96	210	+96	+29	67	+29	-337	366	-337	-430	93	-430	-1343	913	-1343	-1455	112
Susan 1	"	21	11	614	2175	+504	+314	190	+314	+87	227	+87	+9	78	+9	-394	403	-394	-468	74	-468	-1411	943	-1411	-1551	140
" 2	"	22	11	614	2155	+468	+317	151	+317	+97	220	+97	+19	78	+19	-380	399	-380	-461	81	-461	-1424	963	-1424	-1536	112
Wallaceburg 1	"	5	3	578	2189	+478	+241	237	+241	+11	230	+11	-71	82	-71	-565	494	-565	-662	97	-662	-1404	742	-1404	-1558	154
Sombra 14-11	"	14	11	604																						
McCreary 1	Sombra	21	6	598	1970	+518	+318	200	+318	+122	196	+122	+55	67	+55	-358	413	-358	-430	72	-430	-1406	976	-1406		
East Becher 1	"	20	7	600	2075	+510	+320	190	+320	+101	219	+101	+56	45	+56	-358	414	-358	-430	72	-430	-1340	910	-1340	-1465	125
Van Damme 1	Sombra	14	13	582	820	+472	+252	220	+252	+22	230	+22														
Stoneman 1	"	12	12	607	607	+461	+253	208	+253	+33	220	+33	-58	91	-58											

WELL	TOWNSHIP	LOT	CONC	SURF. ELEV.	TOTAL DEPTH	RON			HAMILT			DUNDEE EQUIV.			ROIT RIVER			SS ISLAND			ALINA			GUELPH-LOCKP		
						Top	Base	Thick	Top	Base	Thick	Top	Base	Thick	Top	Base	Thick	Top	Base	Thick	Top	Base	Thick.	Top	Base	Thi
Duthill 1	Sombra	21	9	610	2060	+520	+300	220	+300	+79	221	+79	+14	93	+14	-369	383	-369	-439	70	-439	-1387	948	-1387		
" 2	"	12	9	604	2190	+471	+228	243	+228	-58	281	-68	-157	104	-157	-677	520	-677	-743	66	-743	-1372	629	-1372		
" 3	"	14	9	604	2064	+484	+244	240	+244	+24	220	+24	-62	86	-62	-452	390	-452	-523	71	-523	-1443	920	-1443		
" 4	"	9	12	605	2145	+465	+165	300	+165	-111	276	-111	-204	93	-204	-632	428	-632	-746	114	-746	-1467	721	-1467		
" 5	"	9	9	591	2100	+489	+200	289	+200	-15	215	-15	-117	102	-117	-566	449	-566	-676	110	-676	-1449	973	-1449		
" 6	"	11	9	598	1950	+460	+265	195	+265	+35	230	+35	-66	101	-66	-552	486	-552	-666	114	-666	-1197	531	-1197		
" 7	"	11	9	597	1780	+467	+265	202	+265	+35	230	+35	-61	96	-61	-525	464	-525	-631	106	631	-1085	454	-1085		
" 8	"	10	8	596	2000	+443	+161	282	+161	-70	231	-70	-178	108	-178	-605	432	-605	-717	112	-717	-1177	460	-1177		
*Pantant dest #9	"	11	9	601	961	+471	+134	337	+134	-137	271	-137	-245	108	-245											
Bickford 1	Sombra	3	14	605	2420	+420	+187	233	+187	-32	219	-32	-130	98	-130	-568	438	-568	-685	117	-685	-1691	1006	-1691	-1805	114
" 2	"	4	13	613	2413	+428	+196	232	+196	-27	228	-27	-119	92	-119	-571	452	-571	-682	111	-682	-1687	1005	-1687	-1789	102
" 3 NO LOCATION	"	4	13	611	680	+441	+203	238	+203	-24	227	-24														
" 3A	"	4	13	611	2420	+441	+211	230	+211	-29	240	-29	-109	80	-109	-569	460	-569	-679	110	-679	-1673	994	-1673	-1787	114
" 4	"	4	12	607	2346	+449	+212	237	+212	-18	230	-18	-116	98	-116	-542	426	-542	-678	136	-678	-1568	890	-1568	-1729	161
" 5	"	3	12	605	2376	+410	+208	202	+208	-18	226	-18	-119	101	-119	-551	432	-551	-675	124	-675	-1625	950	-1625	-1761	136
" 6	"	5	12	607	2332	+412	+213	199	+213	+5	208	+5	-84	89	-84	-541	457	-541	-663	122	-663	-1608	945	-1608	-1717	109
" 7	"	3	13	602	2413	+404	+204	200	+204	-30	234	-30	-134	104	-134	-574	440	-574	-682	108	-682	-1669	987	-1669	-1806	137
" 8	"	3	13	607	2415	+407	+207	200	+207	-23	230	-23	-127	104	-127	-571	444	-571	-679	108	-679	-1678	999	-1678	-1783	105
" 9	"	4	11	606	2184	+426	+213	213	+213	-13	226	-13	-102	89	-102	-534	432	-534	-640	106	-640	-1586	926	-1566		
" 10	"	2	13	600	2402	+401	+192	209	+192	-38	230	-38	-133	95	-133	-578	445	-578	-666	88	-666	-1679	1013	-1679	-1793	114
" 11	"	2	13	592	2411	+388	+182	206	+182	-49	231	-49	-156	107	-156	-583	427	-583	-698	115	-698	-1695	997	-1695	-1812	117
" 12	"	3	11	600	2337	+420	+165	255	+165	-60	225	-60	-140	80	-140	-546	406	-546	-653	107	-653	-1599	946	-1599	-1731	132
" 13	"	4	11	600	2320	+428	+220	208	+220	-10	230	-10	-100	90	-100	-502	400	-600	-599	99	-599	-1573	974	-1573	-1701	128
" 14	"	5	11	608	2055	+435	+228	207	+228	+17	211	+17	-83	100	-83	-496	413	-496	-582	86	-582					
Sombra 1A	Sombra	1	10	594	2163	+377	+185	192	+156	-31	216	-31	-120	89	-120	-463	343	-463	-533	70	-533	-1307	774	-1307		
" 2	"	2	9	594	2281	+370	+102	268	+102	-214	316	-214	-819	105	-319	-719	400	-719	-831	112	-831	-1522	691	-1522	-1672	150
" 3	"	2	10	596	1528	+411	+195	216	+195	-26	221	-26	-117	91	-117	-516	399	-516	-612	96	-612					
" 3A	"	2	10	595	2295	+415	+200	215	+200	-35	235	-35	-115	80	-115	-519	404	-519	-602	83	-602	-1563	961	-1563	-1695	132
" 4	"	1	10	596	2330	+372	+178	194	+178	-23	201	-23	-120	97	-120	-451	331	-451	-518	67	-518	-1606	1088	-1606	-1712	106
" 5	"	1	10	591	2126	+401	+171	230	+171	-49	220	-49	-144	95	-144	-487	343	-487	-591	104	-591	-1478	887	-1478		
" 6	"	1	9	591	1993	+391	+164	227	+164	-69	233	-69	-172	103	-172	-557	385	-557	-683	126	-683	-1275	592	-1275		
" 7	"	A	9	589	2305	+333	+46	287	+46	-236	282	-236	-333	97	-333	-748	415	-748	-866	118	-866	-1581	715	-1581	-1708	127

SOUTHWESTERN ONTARIO

SURF. ELEV.	TOTAL DEPTH	HURON			HAMILTON			DUNDEE EQUIV.			DETROIT RIVER			BASS ISLAND			SARNIA			GUELPH-LOCKP.		
		Top	Base	Thick	Top	Base	Thick	Top	Base	Thick	Top	Base	Thick	Top	Base	Thick	Top	Base	Thick	Top	Base	Thick
586	1905	+460	+286	174	+286	+86	200	+86	+11	75	+11	-404	415	-404	-484	80	-484					
594	2066	+501	+321	180	+321	+108	213	+108	+39	69	+39	-345	384	-345	-428	83	-428	-1347	919	-1347	-1466	119
580	1920	+468	+262	206	+262	+78	184	+78	-18	96	-18	-413	395	-413	-504	91	-504					
585	1879	+460	+315	145	+315	+95	220	+95	+25	70	+25	-375	400	-375	-465	90	-465					
590	1965	+520	+330	190	+330	+112	218	+112	+30	82	+30	-353	383	-353	-447	94	-447	-1351	904	-1351		
585	1858	+460	+360	100	+360	+110	250	+110	+27	83	+27	-365	392	-365	-456	91	-456					
594	1980	+532	+324	208	+324	+122	202	+122	+39	83	+39	-377	416	-377	-452	75	-452	-1323	871	-1323		
583	1901	+458	+288	170	+288	+83	205	+83	-2	85	-2	-392	390	-392	-482	90	-482					
579	1923	+474	+304	170	+304	+89	215	+89	-6	95	-6	-419	413	-419	-518	99	-518					
590	1898	+445	+301	144	+301	+80	221	+80	+8	71	+8	-400	408	-400	-490	90	-490					
584	2012	+448	+299	189	+299	+77	222	+77	-3	80	-3	-402	399	-402	-495	93	-495	-1405	910	-1405		
579	1942	+461	+299	162	+299	+86	213	+86	-3	89	-3	-421	418	-421	-485	64	-485	-1412	927	-1412		
580	1930	+464	+310	154	+310	+95	215	+95	-5	100	-5	-375	370	-375	-489	114	-489					
597	1934	+536	+332	204	+332	+117	215	+117	+52	65	+52	-350	402	-350	-435	85	-435	-1298	863	-1298		
583	2015	+448	+283	165	+283	+68	215	+68	-17	85	-17	-397	380	-397	-502	105	-502	-1417	915	-1417		
585	1855	+465	+300	165	+300	+105	195	+105	+19	86	+19	-357	376	-357	-461	104	-461					
580	1926	+430	+290	140	+290	+80	210	+80	-20	100	-20	-422	402	-422	-510	88	-510					
589	1870	+474	+289	155	219	+56	163	+56	-27	83	-27	-431	404	-431	-521	90	-521					
589	2015	+439	+289	150	+289	+86	203	+86	+6	80	+6	-376	362	-376	-464	88	-464	-1379	915	-1379		
586	1992	+456	+296	160	+296	+81	215	+81	+5	76	+5	-394	399	-394	-484	90	-484	-1384	900	-1384		
585	1957	+469	+285	184	+285	+8	278	+8	-95	103	-95	-524	429	-524	-620	96	-620	-1360	740	-1360		
580	1925	+438	+290	148	+290	+80	210	+80	-5	85	-5	-407	402	-407	-510	103	-510					
591	1920	+461	+361	100	+361	+75	286	+75	+27	48	+27	-417	444	-417	-495	78	-495					
579	1890	+474	+283	191	+283	+88	195	+88	-2	90	-2	-402	400	-402	-492	90	-492					
578	1972	+436	+288	148	+288	+73	215	+73	-11	84	-11	-409	398	-409	-501	92	-501					
579	1965	+440	+274	166	+274	+74	200	+74	-15	89	-15	-421	406	-421	-521	100	-521					
583	1960	+428	+298	130	+298	+83	215	+83	-7	90	-7	-407	400	-407	-527	120	-527					

WELL	TOWNSHIP	LOT	CONC.	RF. ELEV.	TOTAL DEPTH	[illegible]ON			HAMILTON			DUNDEE EQUIV.			[illegible]OIT RIVER			S ISLAND			ALINA			GUELPH-LOCKP.		
						Top	Base	Thick.	Top	Base	Thick.	Top	Base	Thick.	Top	Base	Thick.	Top	Base	Thick.	Top	Base	Thick.	Top	Base	Thick.
BECHER 42	Sombra	7	6	585	1941	+445	+285	160	+285	+74	211	+74	-12	86	-12	-398	386	-398	-506	108	-506					
43	"	9	6	585	1936	+455	+290	165	+290	+88	202	+88	-9	97	-9	-403	394	-403	-535	132	-535					
44	"	8	7	589	2006	+456	+255	201	+255	+46	209	+46	-49	95	-49	-417	368	-417	-511	94	-511	-1395	884	-1395		
45	"	11	7	588	2022	+458	+288	170	+288	+78	210	+78	-12	90	-12	-412	400	-412	-506	94	-506	-1398	892	-1398		
46	Chatham-Gore	7	4	578	1945	+478	+178	300	+278	+73	205	+73	-8	81	-8	-419	411	-419	-523	104	-523					
47	Sombra	5	6	585	2065	+450	+228	222	+228	+15	213	+15	-80	95	-80	-505	425	-505	-610	105	-610	-1455	845	-1455		
48	"	6	5	581	1947	+409	+291	118	+291	+78	213	+78	-9	87	-9	-427	418	-427	-559	132	-559					
49	"	5	6	583	1962	+451	+260	191	+260	+55	205	+55	-54	109	-54	-444	390	-444	-547	103	-547					
50	"	9	6	585	1903	+453	+315	138	+315	+90	225	+90	0	90	0	-391	391	-391	-486	95	-486					
51	"	5	5	581	1960	+448	+268	180	+268	+66	202	+66	-39	105	-39	-445	406	-445	-558	113	-558					
52	"	10	6	588	1928	+458	+297	161	+297	+92	205	+92	0	92	0	-392	392	-392	-489	97	-489					
53	"	9	5	583	1926	+459	+299	160	+299	+94	205	+94	+9	85	+9	-396	405	-396	-496	100	-496					
54	"	5	5	581	1967	+451	+257	194	+257	+45	212	+45	-58	103	-58	-466	408	-466	-564	98	-564					
55	"	8	5	582	1916	+457	+295	162	+295	+87	208	+87	-2	89	-2	-394	392	-394	-518	124	-518					
56	"	5	5	584	1980	+409	+254	155	+254	+44	210	+44	-52	96	-52	-466	414	-466	-570	104	-570					
57	"	5	5	582	1965	+438	+275	163	+275	+80	195	+80	-29	109	-29	-437	408	-437	-544	107	-544					
58	"	6	5	582	1956	+452	+276	176	+276	+69	207	+69	-32	101	-32	-413	381	-413	-513	100	-513					
59	"	9	6	587	1995	+462	+277	185	+277	+67	210	+67	-20	87	-20	-399	379	-399	-509	110	-509					
60	"	7	5	589	1982	+461	+306	155	+306	+101	205	+101	+1	100	+1	-386	387	-386	-488	102	-488					
61	"	5	5	580	2049	+440	+260	180	+260	+50	210	+50	-44	94	-44	-450	406	-450	-551	101	-551	-1448	897	-1448		
62	"	10	7	590	2183	+460	+269	191	+269	+60	209	+60	-30	90	-30	-404	374	-404	-481	77	-481	-1390	909	-1390	-1531	141
63	"	6	6	583	1947	+448	+270	178	+270	+63	207	+63	-25	88	-25	-437	412	-437	-557	120	-557					
64	"	4	5	579	1944	+454	+259	195	+259	+51	208	+51	-60	111	-60	-448	388	-448	-544	96	-544					
65	"	8	6	586	2036	+461	+286	175	+286	+78	208	+78	-11	89	-11	-403	392	-403	-536	133	-536	-1409	873	-1409		
66	"	7	5	582	1941	+452	+292	160	+292	+92	200	+92	-11	103	-11	-413	402	-413	-508	95	-508					
67	"	4	5	581	1981	+452	+219	233	+219	-7	226	-7	-116	109	-116	-528	412	-528	-666	138	-666					
68	Chatham-Gore	11	4	580	2001	+480	+300	180	+300	+100	200	+100	+12	88	+12	-390	402	-390	-500	110	-500	-1378	873	-1378		
69	" "	11	4	582	1876	+492	+314	178	+314	+111	203	+111	+40	71	+40	-371	411	-371	-469	98	-469					
70	Sombra	14	7	592	2090	+472	+314	158	+314	+88	226	+88	+4	84	+4	-463	467	-463	-561	98	-561	-1323	762	-1323	-1481	158
71	"	13	5	588	2070	+498	+314	184	+314	+128	196	+128	+43	76	+43	-362	404	-362	-448	86	-448	-1337	889	-1337	-1472	135
72	"	14	6	516	1944	+474	+282	192	+283	+35	247	+35	-51	86	-51	-524	473	-524	-621	97	-621	-1328	707	-1328		
W. F. Johnston 1	Sombra	10	5	582	1880	+392	+297	95	+297	+102	195	+102	+32	70	+32	-378	400	-378	-448	70	-448					
S. Bechard 1	"	9	5	581	1895	+480	+307	173	+307	+92	215	+92	+2	90	+2	-389	391	-389	-478	89	-478					
" Bechard 1	"	9	5	579	1856	+479	+298	181	+298	+83	215	+83	+8	75	+8	-397	405	-397	-489	92	-489					
Rem. Jon Damm 1	"	11	5	581	2131	+463	+306	157	+306	+101	205	+101	+17	84	+17	-382	399	-382	-448	66	-448	-1352	904	-1352	-1504	152
De Custer 1	Chatham Gore	9	4	579	2132	+452	+291	161	+291	+94	197	+94	+8	76	+8	-411	419	-411	-497	86	-497	-1416	919	-1416	-1547	131
Murphy 1	" "	8	4	579	2091	+496	+295	201	+295	+78	217	+78	-7	85	-7	-429	422	-429	-515	86	-515	-1418	903	-1418		

Duthill Gas Pool. The Duthill gas pool lies in lot 11, con. IX, Sombra township. Seven wells have been completed since 1948, only one of which was successful in obtaining production. It had an initial open flow of 379 Mcf. of gas a day, from a reef in the Guelph formation.

Contours on top of the Guelph formation show a small but high reef structure (Map 1042A, inset).

Bickford Gas Pool. The Bickford gas pool lies in lots 4 and 5, con. XI, Sombra township. Drilling began in 1950, and since that time fourteen wells have been completed, only two of which produced gas in commercial quantity. The wells had an initial production of 531 Mcf. and 1,900 Mcf. of gas a day, respectively, from unit A-1 of the lower Salina.

Kimball Gas Field. The Kimball gas field lies in lots [illegible]

East Becher Gas Field. The East Becher gas field lies in lots 18, 19, and 21, con. VI, Sombra township.

The field was discovered in 1946, and consists of nine wells, three of which are gas wells producing from the Guelph formation, and six dry holes. The three wells had an initial gas production of 108 Mcf., 239 Mcf., and 500 Mcf. a day respectively, the latter also having an initial production of 5 barrels of oil a day.

Structure contours on top of the Guelph formation indicate a small dome-like structure.

Sombra Gas Pool. The Sombra gas pool lies in lot 1, cons. IX and X, Sombra township.

The pool was discovered in 1951, and since that time, seven wells have been completed, two of which obtained gas from a reef in the Guelph formation and five were dry holes. The gas wells had an initial production of 940 Mcf. and 990 Mcf. a day respectively.

Contours on top of the Guelph formation (Map 1042A, inset) indicate a high dome, characteristic of reef structure.

	Feet	Feet
Drift	132	132
DEVONIAN		
KETTLE POINT		
Shale: black, bituminous; spores; some light olive-green shale at base	87	219
HAMILTON		
IPPERWASH		
Limestone: grey-buff, argillaceous, fine to crystalline, pyritic	15	234
Shale: grey, calcareous; a few fragments of buff crystalline limestone	8	242
Limestone: grey and brown, finely crystalline, argillaceous in part; some grey shale	72	314

—	Thickness	Depth
	Feet	Feet
PETROLIA		
Shale: grey, calcareous, fissile, fossiliferous	105	419
WIDDER		
Limestone: greyish brown, finely crystalline, argillaceous	11	430
OLENTANGY		
Shale: grey, calcareous, firm to fissile, fossiliferous	37	467
Limestone: brownish grey, finely crystalline, shaly, pyritic, fossiliferous	7	474
DUNDEE		
Limestone: buff and brown, finely crystalline, pyritic, fossiliferous	71	545
Limestone: buff, finely crystalline, arenaceous, fossiliferous	16	561
Limestone: clastic, light buff, fine grained, very sandy throughout	13	574
DETROIT RIVER AND BOIS BLANC		
Dolomite: light buff to brown, fine sugary texture	94	668
Dolomite: buff, very sandy throughout; large rounded and frosted quartz grains	8	676
Dolomite: buff to brown, finely crystalline, sugary texture; some gypsum	51	727
Anhydrite; a few fragments of buff finely crystalline dolomite	10	737
Dolomite: buff, finely crystalline	108	845
Limestone: dolomitic, buff, fine to crystalline, good intergranular porosity	15	860
Dolomite: calcareous, buff to brown, fine to crystalline; some light brown chert	38	898
Limestone: dolomitic, arenaceous; grey and brown chert	29	927
Limestone: dolomitic, grey to brown, fine to crystalline; much chert	29	956
Limestone: grey-buff, arenaceous; much grey chert	80	1,036
Limestone: grey, finely crystalline, cherty, arenaceous; minor grey, quartzose, glauconitic sandstone	34	1,070
SILURIAN		
BASS ISLAND		
Dolomite: grey-buff and brown, finely crystalline; oolitic at 1,080 and 1,106 feet	82	1,152
SALINA		
Dolomite: grey to buff, finely crystalline, argillaceous in part; anhydrite	61	1,213
Shale: dark grey, dolomitic, grading to grey, shaly dolomite; anhydrite	18	1,231
Dolomite and dolomitic shale: buff to grey, finely crystalline; pink anhydrite	18	1,249
Shale: red and green; pink anhydrite	55	1,304
Dolomite: buff and grey, finely crystalline, argillaceous in part; some dolomitic shale; anhydrite	73	1,377
Salt; some buff to grey shaly dolomite	10	1,411
Dolomite: buff to grey, finely crystalline; anyhdrite	10	1,421
Anhydrite; some buff dolomite	7	1,428
Dolomite: grey to buff, finely crystalline; dolomitic shale at 1,440 feet; anhydrite	42	1,470
Anhydrite; some shaly dolomite	8	1,478
Dolomite: grey, shaly, finely crystalline; anhydrite	10	1,488

The Dundee formation corresponds to the Norfolk of Caley (1945) and consists of buff-coloured, fine-grained, clastic limestone in the lower part becoming finely crystalline above. Quartz grains and light grey chert are common at the base and small amber-coloured spore cases are present throughout the formation. It varies in thickness from 85 to over 160 feet. The Dundee underlies the Hamilton formation in Kent and Lambton counties, but in Essex county it immediately underlies the drift except in the southwest part where it is absent.

The lower contact is placed where the rock changes from a fine-grained clastic limestone containing sand grains and chert to the finely crystalline dolomite or limestone of the Detroit River group.

The Hamilton formation is divided into four members, in descending order: Ipperwash limestone, Petrolia shale, Widder beds, and Olentangy shale. Both the Olentangy and Petrolia members consist of soft, light grey, calcareous shale. The Olentangy varies in thickness from 25 to 100 feet and the Petrolia from 70 to 190 feet. Occasional limestone interbeds occur within the shales, and in many places at the base of the Olentangy there is a 5- to 10-foot bed of grey limestone. The Widder member is a fine to medium crystalline, argillaceous limestone from 5 to 20 feet thick, lying between the two shale members. The Ipperwash member, from 20 to 130 feet thick, consists of grey, fine-grained, argillaceous limestone with minor interbeds of crystalline limestone. Shale is common throughout. All members vary in thickness from one locality to another, and cannot always be recognized in well cuttings. Their combined thickness may total over 300 feet.

Except for a small outlier of shale in Maidstone township, Essex county, the Hamilton formation is almost entirely confined to Kent and Lambton counties. Its lower contact is abrupt, being marked by the change from shale or grey argillaceous limestone to the buff limestone of the Dundee formation.

The name Kettle Point formation was first proposed by Caley (1943) for the black fissile shales overlying the Hamilton formation in the adjoining area to the east. Caley (1945) later proposed that all Palæozoic rocks above the Hamilton in the Windsor-Sarnia area be included in the Kettle Point formation. These beds were previously mapped as Huron and Port Lambton beds (Stauffer, 1915). Since that time, drilling for oil and natural gas has shown that beds younger in age than the black fissile shales exposed at Kettle Point on Lake Huron are present in this area. Therefore, the Kettle Point formation is here redefined to embrace only those beds that occur between the top of the Hamilton formation and the base of the Port Lambton beds. The formation as now defined consists of dark brown to black, bituminous shale with occasional interbeds of green shale. A characteristic feature is a profusion of small amber-coloured spore cases. Pyrite is also common. The thickness varies from a few feet to 330 feet.

Except in Essex county, and small isolated areas in Kent and Lambton counties, the Kettle Point beds immediately underlie glacial drift. The lower contact is sharp, being marked by a change from the black, bituminous shale of the Kettle Point formation to the fossiliferous limestone and calcareous shale of the Hamilton formation.

Stauffer (1915) first described the Port Lambton beds as "green shales, and associated greenish sandstones", and because these beds were distinctly different in lithology from the underlying black shales of the "Huron" he named them the Port Lambton beds from their occurrence in well samples at that place.

Many wells have since been drilled in the area, and they verify the fact that these upper beds do occur. Directly overlying the black, bituminous shale of the Kettle Point formation is a light grey, micaceous, soft, very fissile shale with siltstone interbedded in places. This is overlain by a light grey, very fine-grained, micaceous sandstone. The sand grains are subangular and are rarely over 0·15 mm. in diameter. The upper part of the sandstone is slightly dolomitic, but most of it has a siliceous cement. The shale and sandstone together vary in thickness from a few feet to 200 feet or more.

The Port Lambton beds form a narrow strip along St. Clair River, from Port Lambton north through Sombra township into Moore township. In Moore township it widens eastward to the vicinity of Kimball. Cohee, Macha, and Holk (1951) state that the Bedford shale, Berea sandstone, and the overlying Sunbury shale of Michigan are present along St. Clair River, opposite the place where the Port Lambton shale and sandstones are present in Ontario. It is, therefore, most probable that the Port Lambton beds are equivalent at least to the Bedford shales and the Berea sandstones of Michigan. The Sunbury shale as described by Cohee (1951) was not recognized in any of the well cuttings examined from Lambton county, but not all samples were available.

The lower contact of the Port Lambton is sharp, marked by the change from soft, grey, fissile shale or sandstone to the black, firm, bituminous shale of the Kettle Point formation. In some localities the shale facies is absent, and the sandstone lies directly on Kettle Point beds.

OIL AND GAS FIELDS

LAMBTON COUNTY

West Becher Oil and Gas Field. The West Becher field is situated on lots 4 to 12, con. V, lots 8 to 14, con. VI, and lots 12 to 14, con. VII, Sombra tp., Lambton co., and lots 7 to 11, con. IV, Chatham Gore tp., Kent county.

The field was discovered in 1946, and since that time seventy-six wells have been drilled, thirty-six of which are oil wells producing from unit A-1 of the lower Salina, ten are gas wells producing from the same unit, three are gas wells producing from the Guelph formation, and twenty-seven are dry holes. Initial production of the oil wells varied from 5 to 50 barrels a day and of the gas wells from 150 to 2,000 Mcf. a day. To the end of 1952, 534,284 barrels of oil had been recovered from the field, and 1,208,617 Mcf. of gas has been produced from Sombra township, which includes East and West Becher, Sombra, Duthill, and Bickford gas pools. Peak oil production was during 1949 when the total recovery was 146,617 barrels. Production has since declined to 75,981 barrels in 1952.

Structure contours (Map 1042A, inset) on top of the Guelph formation indicate an anticlinal structure plunging to the west.

The following well log illustrates the lithology in this field.

Log of Imperial Oil Limited Well No. 244

Location: lot 9, con. VI, Sombra tp.
Elevation: 587 feet.

——	Thickness	Depth
	Feet	Feet
Drift	128	128
DEVONIAN		
KETTLE POINT		
Shale: light grey, fissile	34	162
Shale: black, bituminous; spore cases; pyritic	29	191
Shale: olive-green; fragments of black bituminous shale; pyrite	11	202
Shale: black, bituminous, with abundant spore cases; occasional fragments of olive-green shale; pyrite	108	310

—	Thickness	Depth
	Feet	Feet
HAMILTON		
IPPERWASH		
Limestone: light grey to brownish grey, crystalline; glauconite and pyrite; some light greenish grey shale	14	324
Limestone: grey to brownish grey, finely crystalline, argillaceous; minor grey calcareous shale	35	359
PETROLIA		
Shale: grey, calcareous, pyritic, fossiliferous	115	474
WIDDER		
Limestone: greyish brown, finely crystalline, argillaceous, fossiliferous; a few fragments of grey calcareous shale	12	486
OLENTANGY		
Shale: medium to dark grey, calcareous, fossiliferous	33	520
DUNDEE		
Limestone: light grey to buff, finely crystalline, pyritic; occasional spore cases	35	555
Limestone: grey to buff, finely crystalline, slightly arenaceous	38	593
Limestone: grey-buff, finely granular, arenaceous; abundant spore cases	14	607
DETROIT RIVER AND BOIS BLANC		
Dolomite: grey to buff, finely crystalline, black bituminous streaks	7	614
Limestone: dolomitic, grey to buff, fine, sugary texture	23	637
Limestone: grey-buff to brown, finely crystalline, sugary texture in part; coarse, rounded, and frosted sand grains	51	688
Dolomite: calcareous, buff, fine-granular texture, intergranular porosity; traces of gypsum	116	804
Dolomite: buff to brown, finely crystalline; a few fragments of light grey chert and gypsum	83	887
Dolomite: fine to crystalline, arenaceous; white chert	22	909
Samples missing	7	916
Dolomite: calcareous, finely crystalline to granular; a few limestone fragments	7	923
Limestone: dolomitic, grey to buff, finely crystalline, arenaceous; white chert	21	944
Dolomite: grey to grey-buff, granular; much white chert; sandstone with medium rounded and frosted quartz grains at base	28	972
SILURIAN		
BASS ISLAND		
Dolomite: light grey and buff; finely crystalline, oolitic at 986 and 1,013 feet	103	1,075
SALINA		
Dolomite: buff to grey, finely crystalline, shaly in part; anhydrite throughout	79	1,154
Shale: dark grey, dolomitic; some finely crystalline shaly dolomite; pink anyhdrite	7	1,161
Dolomite: buff to brown, finely crystalline; occasional fragments of dolomitic shale and anhydrite	115	1,276

—	Thickness	Depth
	Feet	Feet
SALINA—Conc.		
Shale: grey, dolomitic; some grey dolomitic shale and anhydrite	7	1,283
Dolomite: buff to brown, finely crystalline, shaly in part; anhydrite	63	1,346
Anhydrite	13	1,359
Dolomite: grey to buff and greenish grey, shaly; some anhydrite	34	1,393
Anhydrite; some buff and grey shaly dolomite	39	1,432
Dolomite: buff, finely crystalline; much anhydrite; trace of salt	10	1,442
UPPER SALT		
Salt; occasional fragments of dolomite	155	1,597
Dolomite: buff and grey-buff, finely crystalline; small amount of anhydrite and salt	16	1,613
Anhydrite and salt; minor buff dolomite	40	1,653
UNIT A-2		
Dolomite: buff to brown with fine sugary texture; traces of anhydrite	75	1,728
Dolomite: buff to brownish grey, finely crystalline, argillaceous	45	1,773
Dolomite: grey and buff, finely crystalline; a few black bituminous shale fragments	21	1,794
Dolomite: buff, finely crystalline; much anhydrite	8	1,802
Anhydrite	7	1,809
Salt	43	1,852
Anhydrite; minor light buff dolomite	6	1,858
UNIT A-1		
Limestone and dolomitic limestone: finely crystalline, dense	34	1,892
Dolomite: buff-brown, finely crystalline	28	1,920
Dolomite: buff to brown, finely crystalline, argillaceous in part; a few fragments of brown, dense, shaly limestone from 1,931 feet	32	1,952
Anhydrite; minor buff-brown dolomitic limestone	7	1,959
GUELPH–LOCKPORT		
Dolomite, light grey and buff, crystalline, with good intergranular porosity	36	1,995

East Becher Gas Field. The East Becher gas field lies in lots 18, 19, and 21, con. VI, Sombra township.

The field was discovered in 1946, and consists of nine wells, three of which are gas wells producing from the Guelph formation, and six dry holes. The three wells had an initial gas production of 108 Mcf., 239 Mcf., and 500 Mcf. a day respectively, the latter also having an initial production of 5 barrels of oil a day.

Structure contours on top of the Guelph formation indicate a small dome-like structure.

Sombra Gas Pool. The Sombra gas pool lies in lot 1, cons. IX and X, Sombra township.

The pool was discovered in 1951, and since that time, seven wells have been completed, two of which obtained gas from a reef in the Guelph formation and five were dry holes. The gas wells had an initial production of 940 Mcf. and 990 Mcf. a day respectively.

Contours on top of the Guelph formation (Map 1042A, inset) indicate a high dome, characteristic of reef structure.

SOMBRA TWP.

Lot	Con	Owner	Location	Year	Elev	Total Depth	Surface Formation	Production Depth	Production Formation	Initial Prod	R.P.	Thick Drift	Remarks
30	V	UNION GAS #86 V. Green #1	850' N 800 W	1936	594	2042	Kettle Point	–	–	Dry	–	52	sulphur water 535 Salt water 1835
22	VI	do #66	75'S 50' W of ¢	1933	599	2252	"			Dry	–	60	Sulphur water 565 and 700 Show of oil
F	VI		Port Lambton	1895	583	1720	"	–	–	–	–	–	
27	IX	UNION GAS #123 Dawn T.C. O'Neil	1600'S 201'E	1943	617	1970	"	–	–	Dry		78	
30	IX	UNION GAS #48	1700 S, 100'W	1930	620	2105	"			Dry		65	Salt water, 610, 700, 1858
25	X	Do #122 Dawn Mrs Clifford Est	993 N, 72 W	1943	618	1992	"	–	–	Dry		100	Sulphur water 600-606, 644-650 Salt water 1953-1992
25	XI	Dawn O&G Co	2400'N 200 W	1932	621	2150	"	–	–	Dry		109	Salt water 645 and 2015
29	XI	UNION GAS #78	200'N 100'W	1934	625	2002	"	–	–	Dry		91	Sulphur water 510 Salt water 1990 Show gas 1990
30	XI	do #77	75'S 1000'W	1934	625	2150	"			Dry		85	Sulphur at 600 Show oil 2005
26	XIII	– – – –	1600'S 400'W	–	612	1500	– – –			Dry		–	–
27	XIII	UNION GAS #75	1100'S 400'E	1934	620	2175	"			Dry		100	Sulphur water 575 and 650 Salt water 2035 and 2150

WELLS IN SOMBRA TWP

Lot	Con	Owner	Location	Year Drilled	Elev	Total Depth	Bedrock Form.	Depth to Product	Prod Form.	Initial Flow	R.P.	Thick of Surface	Remarks
													Fresh water 110 & 160
4	XIII	Imp. Oil Ltd W Robson #1	500'S - 800'E	1951	611	2420		--	-.-	Dry	--	170	Salt water 735'
													Fresh water 107 & 135
14	XIII	Imperial Oil C van Damme #1	2138 S - 291 E	1945	582	820	Kettle Point	--	---	Dry		103	Salt water 586 Show Gas 100
		Imperial Oil					Port						Fresh water 150'
3	XIV	G&R P. Miller #1	980'N - 190 E	1950	605	2420	Lambton	--	----	Dry		130	Sulphur water 740'
		UNION GAS Co											Fresh water 90'
26	XIV	MAS I.C. Bradshaw #1	118'S - 490 W	1949	619	2135	Kettle Point	...	----	Dry		95	Sulphur water 600
													Fresh water 132
12	IX	J&M McGee #2	75' W 75' S	48	605	2145	"	---	----	Dry		132	Salt water 2145
		UNION GAS Co											Fresh water 80'
29	XV	F&D Pettit #1	1780'N 390'W	1952	623	2173	"	....	---	Dry		82	Sulphur water 580 & 620

A	5	Imperial Oil Ltd..... H. and G. Innes No. 1.	1,860 ft. S. of N. line..... 50 ft. W. of E. line.	1947	584	2,165	Kettle Point	.....	.....	Dry	.....	147	Fresh water at 147 ft. Salt water at 698 and 1,881 ft.
3	5	Imperial Oil Ltd..... Glendenning Payne No. 1.	950 ft. S. of N. line..... 584 ft. W. of E. line.	1947	580	412	"	.....	.....	Dry	.....	138	Fresh water at 136 ft.
4	5	Imperial Oil Ltd..... E. Jarvis No. 1.	1,730 ft. S. of N. line..... 860 ft. W. of E. line.	1950	581	1,980	"	1,936–1,942	Salina	20–25 bbls. 150 Mcf.	.....	130	Fresh water at 128 ft. Sulphur water at 700 ft.
4	5	Imperial Oil Ltd..... A. Fruytier No. 1.	3,590 ft. S. of N. line..... 70 ft. W. of E. line.	1950	579	1,964	"	1,929–1,934	Salina	5-10 bbls. 200 Mcf.	.....	125	Fresh water at 128 ft. Salt water at 655 ft.
5	5	Imperial Oil Ltd..... E. Dejonghe No. 1.	800 ft. S. of N. line..... 175 ft. W. of E. line.	1949	582	1,950	"	1,920–1,934 1,911–1,915	Salina	33 bbls. 250 Mcf.	.....	130	Salt water at 640 ft.
5	5	Imperial Oil Ltd..... E. Dejonghe No. 2.	800 ft. S. of N. line..... 1,075 ft. W. of E. line.	1949	581	1,960	"	1,920–1,945	Salina	50 bbls. 100 Mcf.	.....	133	Fresh water at 127 ft. Salt water at 625 ft.
5	5	Imperial Oil Ltd..... E. Dejonghe No. 3.	1,730 ft. S. of N. line..... 70 ft. E. of W. line.	1949	581	1,967	"	1,927–1,937	Salina	80 bbls. 300 Mcf.	.....	135	Fresh water at 126 ft. Salt water at 605 ft.
5	5	Imperial Oil Ltd..... E. Dejonghe No. 4.	800 ft. S. of N. line..... 50 ft. E. of W. line.	1950	584	1,980	"	.....	.....	Dry	.....	175	Fresh water at 128 ft. Salt water at 611 ft.
5	5	Imperial Oil Ltd..... E. Dejonghe No. 5.	1,730 ft. S. of N. line..... 1,075 ft. W. of E. line.	1950	582	1,965	"	1,923–1,925 1,932	Salina	5-10 bbls. 1,250 Mcf.	750	144	Fresh water at 135 ft. Salt water at 642 ft.
5	5	Imperial Oil Ltd..... H. Shellar No. 1.	1,735 ft. N. of S. line..... 157 ft. W. of E. line.	1948	579	1,985	"	.....	.....	Dry	.....	139	Fresh water at 139 ft. Sulphur water at 615 ft. Salt water at 1,975 ft.
5	5	Imperial Oil Ltd..... H. Shellar No. 2.	2,660 ft. S. of N. line..... 70 ft. E. of W. line.	1950	580	2,048	"	1,915	Salina	10 bbls. 250 Mcf.	.....	130	Sulphur water at 665 and 778 ft.

Oil wells from Gilley Rpt p 211 - 212

Lot	Con.	Designation	Location	Year drilled	Altitude in feet above sea-level	Depth in feet	Bedrock formation	Producing depth in feet	Producing formation	Yield Mcf. or bbls.	Pressure in lbs. sq. in.	Thickness of drift in feet	Remarks
6	5	Imperial Oil Ltd..... John DeWeyn No. 1.	2,588 ft. N. of S. line..... 370 ft. W. of E. line.	1948	580	1,930	Kettle Point	1,892–1,907	Salina	5 bbls. 250 Mcf.	.....	128	Fresh water at 128 ft. Salt water at 610 ft.
6	5	Imperial Oil Ltd..... John DeWeyn No. 2.	2,650 ft. N. of S. line..... 720 ft. E. of W. line.	1949	581	1,942	"	.....	.....	Dry	.....	177	Salt water at 580 ft. Show of oil at 1,905 ft.
6	5	Imperial Oil Ltd..... John DeWeyn No. 3.	800 ft. S. of N. line..... 720 ft. E. of W. line.	1950	582	1,956	"	1,906	Salina	10 bbls. 100 Mcf.	.....	130	Fresh water at 127 ft. Sulphur water at 615 ft.
6	5	Imperial Oil Ltd..... McEvoy Bros. No. 1.	1,720 ft. N. of S. line..... 720 ft. E. of W. line.	1947	580	1,926	"	1,911–1,926	Salina	20 bbls. 300 Mcf.	825	147	Fresh water at 130 ft. Salt water at 515, 590, and 716 ft.
6	5	Imperial Oil Ltd..... McEvoy Bros. No. 2.	1,730 ft. N. of S. line..... 375 ft. W. of E. line.	1947	580	1,925	"	1,905–1,925	Salina	30 bbls. 300 Mcf.	.....	142	Salt water at 598, 796, and 920 ft.
6	5	Imperial Oil Ltd..... McEvoy Bros. No. 3.	728 ft. N. of S. line..... 370 ft. W. of E. line.	1947	578	1,972	"	.....	.....	Dry	.....	142	Fresh water at 142 ft. Salt water at 624 and 679 ft.
7	5	Imperial Oil Ltd..... P. and G. DeKort No. 5.	1,750 ft. N. of S. line..... 560 ft. E. of W. line.	1948	583	1,960	"	1,903–1,919	Salina	6 bbls. 350 Mcf.	.....	100	Salt water at 620 ft.
7	5	Imperial Oil Ltd..... John Flynn No. 1.	850 ft. S. of N. line..... 650 ft. E. of W. line.	1947	583	2,015	"	.....	.....	Dry	.....	141	Fresh water at 195 ft. Sulphur water at 625 ft. Black water at 775 ft. Black sulphur water at 1,020 ft. Show of gas at 150 ft.
7	5	Imperial Oil Ltd..... J. Flynn No. 2.	800 ft. S. of N. line..... 430 ft. W. of E. line.	1950	589	1,932	"	1,901–1,905	Salina	5-10 bbls. 100 Mcf.	.....	128	Fresh water at 120 ft. Salt water at 615 ft.
7	5	Imperial Oil Ltd..... P. and G. DeKort No. 3.	1,750 ft. N. of S. line..... 500 ft. W. of E. line.	1947	579	1,930	"	1,880–1,911	Salina	10 bbls.	.....	122	Fresh water at 124 ft. Salt water at 505, 610, and 655 ft.
7	5	Imperial Oil Ltd..... P. and G. DeKort No. 7.	800 ft. N. of S. line..... 500 ft. W. of E. line.	1950	589	1,941	"	1,902–1,910	Salina	10-15 bbls. 150 Mcf.	.....	130	Fresh water at 120 ft. Sulphur water at 620 ft. Show of gas at 115 ft.
8	5	Imperial Oil Ltd..... P. and G. DeKort No. 1.	1,750 ft. N. of S. line..... 525 ft. E. of W. line.	1947	580	1,920	"	1,887–1,908	Salina	16 bbls.	800	112	Fresh water at 105 ft. Salt water at 625 and 1,105 ft.
8	5	Imperial Oil Ltd..... P. and G. DeKort No. 2.	580 ft. W. of E. line..... 800 ft. N. of S. line.	1947	579	1,893	"	1,881	Salina	2 bbls.	.....	102	Salt water at 590 ft.

8	5	Imperial Oil Ltd..... P. and G. DeKort No. 4.	1,750 ft. N. of S. line..... 580 ft. W. of E. line.	1947	580	1,930	"	1,877– 1,913	Salina	7 bbls. 340 Mcf.	830	116	Fresh water at 110 ft. Salt water at 595 ft.
8	5	Imperial Oil Ltd..... P. and G. DeKort No. 6.	800 ft. N. of S. line..... 470 ft. E. of W. line.	1949	578	1,935	"	1,897 1,905	Salina	32 bbls. 250 Mcf.	.....	98	Salt water at 612 and 1,100 ft.
8	5	Imperial Oil Ltd..... J. T. Johnston No. 1.	800 ft. S. of N. line..... 500 ft. E. of W. line.	1947	583	1,907	"	1,868– 1,870 1,882	Salina	8 bbls. 500 Mcf.	825	125	Salt water at 610, 625, 690, and 990 ft. Show of gas at 135 ft.
8	5	Imperial Oil Ltd..... J. T. Johnston No. 2.	1,738 ft. S. of N. line..... 500 ft. E. of W. line.	1947	586	1,992	"	.....	.....	Dry	.....	125	Salt water at 610, 660, 990, and 1,990 ft.
8	5	Imperial Oil Ltd..... J. T. Johnston No. 3.	800 ft. S. of N. line..... 550 ft. W. of E. line.	1949	582	1,916	"	1,874– 1,890	Salina	5 bbls. 100 Mcf.	.....	122	Fresh water at 122 ft. Salt water at 605 ft.
9	5	Imperial Oil Ltd..... S. Bechard No. 1.	365 ft. N. of S. road..... 730 ft. W. of E. line.	1946	581	1,856	"	1,844	Salina	15-20 bbls.	.....	100	Fresh water at 82 ft. Salt water at 595 ft.
9	5	Imperial Oil Ltd..... S. Bechard No. 2.	1,325 ft. N. of S. line..... 850 ft. E. of W. line.	1946	579	1,895	"	1,855– 1,861	Salina	1,276 Mcf.	790	101	Fresh water at 88 ft. Sulphur water at 590 ft. Show of gas at 88 ft.
9	5	Imperial Oil Ltd..... H. A. Johnston No. 1.	1,000 ft. S. of N. line..... 300 ft. E. of W. line.	1946	586	1,905	"	1,875– 1,885	Salina	1,160 Mcf.	850	120	Fresh water at 120 ft. Sulphur water at 510, 550, and 603 ft. Black sulphur water at 1,085 ft. Show of gas at 120 ft.
9	5	Imperial Oil Ltd..... H. A. Johnston No. 2.	70 ft. S. of N. line..... 300 ft. W. of E. line.	1949	584	1,926	"	1,876– 1,889	Salina	80 bbls. 100 Mcf.	.....	124	Fresh water at 124 ft. Salt water at 585 ft.
10	5	Imperial Oil Ltd..... W. F. Johnston No. 1.	1,000 ft. S. of N. line..... 1,000 ft. W. of E. line.	1946	582	1,830	"	1,829– 1,830	Salina	1,770 Mcf.	850	104	Fresh water at 118 ft. Sulphur water at 565 ft. Salt water at 590, 600, 645, and 940 ft.
10	5	Imperial Oil Ltd..... John Johnston No. 1.	65 ft. N. of S. line..... 200 ft. E. of W. line.	1947	578	1,890	"	1,844– 1,846 1,851– 1,857	Salina	60 Mcf. 10 bbls.	.....	104	Sulphur water at 595 ft. Salt water at 740 and 1,015 ft.
11	5	Imperial Oil Ltd..... James Reid No. 1.	1,450 ft. S. of N. line..... 750 ft. W. of E. line.	1949	580	3,897	"	.....	.....	Dry	.....	123	Fresh water at 110 ft. Salt water at 604 and 1,965 ft. Show of gas at 1,824 ft.
11	5	Imperial Oil Ltd..... R. Van Damme No. 1.	521 ft. S. of centre line... 45 ft. E. of W. line.	1946	581	2,131	"	.....	.....	Dry	.....	118	Fresh water at 114 ft. Sulphur water at 600 ft. Salt water at 674 ft.
12	5	Imperial Oil Ltd..... G. Van Damme No. 1.	1,250 ft. N. of S. line..... 75 ft. E. of W. line.	1948	582	1,880	"	1,827– 1,832	Salina	117 Mcf.	.....	115	Fresh water at 115 ft. Sulphur water at 584 and 660 ft.
13	5	Imperial Oil Ltd..... E. Bogarte No. 1.	1,500 ft. N. of S. line..... 100 ft. W. of E. line.	1951	588	2,070	"	.....	.....	Dry	.....	90	Salt water at 570 and 1,995 ft. Show of gas at 1,816 ft.

Lot	Con.	Designation	Location	Year drilled	Altitude in feet above sea-level	Depth in feet	Bedrock formation	Producing depth in feet	Producing formation	Yield Mcf. or bbls.	Pressure in lbs. sq. in.	Thickness of drift in feet	Remarks
5	6	Imperial Oil Ltd..... Jacob Mel No. 1.	70 ft. N. of S. line..... 72 ft. E. of W. line.	1949	585	2,065	Kettle Point	.....	.....	Dry	.....	134	Salt water at 705 and 2,050 ft. Show of oil at 1,929 ft. Show of gas at 1,964 ft.
5	6	Imperial Oil Ltd..... Jacob Mel No. 2.	70 ft. N. of S. line..... 150 ft. W. of E. line.	1949	583	1,962	"	.....	.....	Dry	.....	132	Fresh water at 128 ft. Salt water at 550 and 620 ft.
6	6	Imperial Oil Ltd..... A. Jarvis No. 1.	70 ft. N. of S. line..... 370 ft. W. of E. line.	1951	583	1,947	"	.....	.....	Dry	.....	154	Fresh water at 120 ft. Sulphur water at 635 ft.
7	6	Imperial Oil Ltd..... Ralph Kerwin No. 1.	80 ft. N. of S. line..... 430 ft. W. of E. line.	1949	585	1,941	"	.....	.....	Dry	.....	139	Salt water at 620 ft. Show of oil at 1,910 ft.
8	6	Imperial Oil Ltd..... Phillip Griffith No. 1.	80 ft. N. of S. line..... 550 ft. W. of E. line.	1948	586	1,924	"	1,887–1,904	Salina	30 bbls. 250 Mcf.	.....	130	Salt water at 618 ft.
8	6	Imperial Oil Ltd..... Phillip Griffith No. 2.	80 ft. N. of S. line..... 500 ft. E. of W. line.	1949	585	1,931	"	1,892–1,900	Salina	15-18 bbls. 250 Mcf.	.....	130	Fresh water at 128 ft. Salt water at 590 ft.
8	6	Imperial Oil Ltd..... P. Griffith No. 4.	1,790 ft. N. of S. line..... 610 ft. W. of E. line.	1950	586	2,041	"	.....	.....	Dry	.....	125	Fresh water at 125 ft. Sulphur water at 633 ft. Salt water at 2,018 ft.
8	6	Imperial Oil Ltd..... Phillip Griffith No. 3.	1,010 ft. N. of S. line..... 500 ft. E. of W. line.	1949	586	1,954	"	.....	.....	Dry	.....	128	Fresh water at 120 ft. Salt water at 612 ft.
9	6	Imperial Oil Ltd..... Mrs. J. Johnston No. 1.	2,660 ft. N. of S. line..... 730 ft. W. of E. line.	1948	586	1,923	"	1,871–1,888	Salina	25 bbls. 250 Mcf.	.....	155	Fresh water at 147 ft. Salt water at 620 ft.
9	6	Imperial Oil Ltd..... Mrs. J. Johnston No. 2.	2,660 ft. N. of S. line..... 320 ft. E. of W. line.	1949	589	1,904	"	1,863–1,869	Salina	25 bbls. 250 Mcf.	.....	130	Salt water at 560 ft.
9	6	Imperial Oil Ltd..... Mrs. J. Johnston No. 3.	3,590 ft. N. of S. line..... 730 ft. W. of E. line.	1950	587	1,995	"	1,965–1,990	Guelph	514 Mcf.	745	128	Fresh water at 122 ft. Salt water at 640 ft.
9	6	Imperial Oil Ltd..... P. Johnston No. 1.	1,000 ft. N. of S. line..... 325 ft. E. of W. line.	1947	584	2,012	"	.....	.....	Dry	.....	136	Fresh water at 130 ft. Salt water at 615, 1,940, and 2,010 ft. Show of oil and gas at 1,877 ft.
9	6	Imperial Oil Ltd..... Bernard Johnston No. 2.	1,790 ft. N. of S. line..... 320 ft. E. of W. line.	1949	585	1,936	"	1,907–1,911 1,896	Salina	30 bbls. 250 Mcf.	.....	125	Fresh water at 115 ft. Salt water at 610 ft.

9	6	Imperial Oil Ltd..... R. Borden and V. Johnston No. 3.	1,730 ft. N. of S. line..... 730 ft. W. of E. line.	1948	587	1,930	"	1,887	Salina	30 bbls. 200 Mcf.	.....	160	Fresh water at 150 ft. Salt water at 645 ft. Show of gas at 150 ft.
9	6	Imperial Oil Ltd..... B. Johnston No. 4.	800 ft. N. of S. line..... 725 ft. W. of E. line.	1949	585	1,903	"	1,866–1,889	Salina	100 bbls. 250 Mcf.		132	Fresh water at 130 ft. Salt water at 600 ft.
10	6	Imperial Oil Ltd..... B. Johnston No. 1.	800 ft. N. of S. line..... 200 ft. E. of W. line.	1947	585	1,879	"	1,852–1,860	Salina	1,100 Mcf.	840	120	Fresh water at 120 ft. Sulphur water at 585, 605, and 810 ft. Salt water at 1,090 ft.
10	6	Imperial Oil Ltd..... R. Borden and V. Johnston No. 2.	1,730 ft. N. of S. line..... 200 ft. E. of W. line.	1948	588	1,911	"	1,868–1,872	Salina	35 bbls. 200 Mcf.	.....	145	Fresh water at 135 ft. Salt water at 505 and 630 ft.
10	6	Imperial Oil Ltd..... Austin Hay No. 1.	1,480 ft. S. of N. line..... 780 ft. W. of E. line.	1947	589	2,018	"	.....	.....	Dry	.....	151	Salt water at 610, 1,915, and 1,987 ft. Show of gas at 1,987 ft.
10	6	Imperial Oil Ltd..... Austin Hay No. 2.	1,800 ft. S. of N. line..... 200 ft. E. of W. line.	1949	588	1,922	"	1,885–1,887 1,875–1,877	Salina	15 bbls. 100 Mcf.	.....	130	Fresh water at 126 ft. Salt water at 610 ft.
11	6	Imperial Oil Ltd..... G. H. Reid No. 1.	810 ft. N. of S. line..... 540 ft. E. of W. line.	1947	585	1,855	"	1,841–1,855	Salina	6,400 Mcf.	880	120	Fresh water at 110 ft. Salt water at 593 ft. Show of gas at 110 ft.
11	6	Imperial Oil Ltd..... Mary Cranston No. 1.	2,875 ft. N. of S. line..... 75 ft. E. of W. line.	1947	590	1,898	"	1,860–1,865 1,870–1,877	Salina	35 bbls. 200 Mcf.	.....	138	Salt water at 607 and 650 ft.
11	6	Imperial Oil Ltd..... Mary Cranston No. 2.	3,050 ft. N. of S. line..... 975 ft. E. of W. line.	1947	590	1,920	"	.....	.....	Dry	.....	132	Fresh water at 132 ft. Sulphur water at 610 and 648 ft. Salt water at 1,908 ft. Show of gas at 1,851 ft.
11	6	Imperial Oil Ltd..... Mary Cranston No. 3.	3,980 ft. N. of S. line..... 75 ft. E. of W. line.	1948	591	1,930	"	.....	.....	Dry	.....	134	Fresh water at 127 ft. Salt water at 625 ft.
12	6	Imperial Oil Ltd..... Wm. Jones No. 1.	2,400 ft. N. of S. line..... 350 ft. E. of W. line.	1947	589	1,870	"	1,844–1,868	Salina	1,500 Mcf.	855	105	Black water at 649 ft.
12	6	Imperial Oil Ltd..... Robert Clark No. 1.	100 ft. N. of S. line..... 800 ft. E. of W. line.	1947	585	1,858	"	1,823–1,825	Salina	320 Mcf.	850	118	Fresh water at 115 ft. Salt water at 595 ft.
13	6	Imperial Oil Ltd..... C. Broad No. 1.	2,950 ft. N. of S. line..... 60 ft. E. of W. line.	1947	585	1,957	"	.....	.....	Dry	.....	140	Fresh water at 116 ft. Salt water at 670, 715, and 1,957 ft. Show of oil at 1,957 ft.
14	6	Imperial Oil Ltd..... J. Jones No. 1.	1,990 ft. S. of N. line..... 300 ft. E. of W. line.	1952	586	1,944	"	1,919–1,927	Salina	227 Mcf.	901	112	Fresh water at 100 ft. Sulphur water at 635, 675, and 703 ft. Salt water at 1,630 and 1,928 ft. Show of oil at 1,928 ft.

Wells in Sombra Township, Lambton County—Continued

Lot	Con.	Designation	Location	Year drilled	Altitude in feet above sea-level	Depth in feet	Bedrock formation	Producing depth in feet	Producing formation	Yield Mcf. or bbls.	Pressure in lbs. sq. in.	Thickness of drift in feet	Remarks
16	6	Imperial Oil Ltd..... John Jones No. 1.	125 ft. N. of S. line..... 375 ft. E. of W. line.	1947	590	1,964	Kettle Point	.....	.....	Dry	.....	70	Fresh water at 70 ft. Salt water at 517 and 1,960 ft. Show of gas at 70 ft. Show of oil at 1,960 ft.
18	6	Imperial Oil Ltd..... Peter Raymond No. 1.	2,200 ft. N. of S. line..... 100 ft. W. of E. line.	1947	594	2,066	"	.....	.....	Dry	.....	79	Fresh water at 79 ft. Salt water at 500, 565, and 1,851 ft. Show of gas at 1,947 ft.
18	6	Imperial Oil Ltd..... G. Raymond No. 1.	125 ft. N. of S. line..... 60 ft. E. of W. line.	1946	591	1,934	"	1,912–1,924	Guelph	108 Mcf.	840	70	Fresh water at 70 ft. Salt water at 480 ft. Show of gas at 65 ft.
19	6	Imperial Oil Ltd..... W. Wade No. 1.	200 ft. N. of S. line..... 50 ft. W. of E. line.	1946	593	1,953	"	1,924	Guelph	239 Mcf.	570	55	Fresh water at 60 ft. Sulphur water at 640 ft. Salt water at 560 and 1,951 ft. Show of gas at 501 ft.
21	6	Imperial Oil Ltd..... F. McCreary No. 1.	51 ft. N. of centre line.. 86 ft. E. of W. line.	1946	597	1,970	"	1,910–1,922	Guelph	5 bbls. 500 Mcf.	900	70	Fresh water at 70 ft. Salt water at 560 ft.
21	6	Imperial Oil Ltd..... F. McCreary No. 2.	125 ft. N. of S. line..... 400 ft. W. of E. line.	1947	594	1,980	"	.....	.....	Dry	.....	62	Salt water at 600 ft.
22	6	Imperial Oil Ltd..... G. Huey No. 1.	2,275 ft. N. of S. line..... 750 ft. E. of W. line.	1948	597	1,934	"	.....	.....	Dry	.....	61	Shows of gas at 61 and 1,908 ft.
30	6	Imperial Oil Ltd..... J. Gibson No. 1.	300 ft. S. of N. line..... 75 ft. W. of E. line.	1948	605	2,003	"	.....	.....	Dry	.....	73	Fresh water at 74 ft. Salt water at 700 ft. Show of gas at 74 ft.
8	7	Imperial Oil Ltd..... James Johnston No. 1.	60 ft. N. of S. line..... 610 ft. W. of E. line.	1949	589	2,006	"	.....	.....	Dry	.....	130	Fresh water at 130 ft. Salt water at 667, 748, and 2,006 ft. Show of oil at 1,995 ft.
10	7	Imperial Oil Ltd..... S. Bowles No. 1.	900 ft. N. of S. line..... 200 ft. E. of W. line.	1950	590	2,133	"	.....	.....	Dry	.....	128	Fresh water at 128 ft. Salt water at 650 and 2,002 ft.
11	7	Imperial Oil Ltd..... Neil Grant No. 1	2,725 ft. N. of S. line..... 100 ft. W. of E. line.	1949	588	2,021	"	.....	.....	Dry	.....	118	Fresh water at 118 ft. Salt water at 640, 1,916, and 2,022 ft. Show of gas and oil at 1,991 ft.

12	7	Imperial Oil Ltd..... H. Gibbon No. 1.	1,560 ft. N. of S. line..... 300 ft. W. of E. line.	1949	588	1,880	"	1,837–1,851	Guelph	615 Mcf.	825	118	Fresh water at 130 ft. Salt water at 620 ft.
14	7	Imperial Oil Ltd..... J. Deyo No. 1.	410 ft. N. of S. line..... 50 ft. E. of W. line.	1951	592	2,080	"	1,923–1,939	Guelph	785 Mcf.	905	120	Fresh water at 117 ft. Salt water at 636 ft.
20	7	Imperial Oil Ltd..... J. Horley No. 1.	1,000 ft. N. of S. line..... 900 ft. W. of E. line.	1952	600	2,075	"	1,950–1,952	Salina	3 bbls.	.....	75	Fresh water at 70 ft. Sulphur water at 590 ft. Salt water at 1,959 ft. Show of gas at 1,948 and 1,958 ft.
26	7	Imperial Oil Ltd..... J. Wees No. 1.	100 ft. N. of S. line..... 100 ft. W. of E. line.	1951	601	2,107	"	.....	.....	Dry	.....	68	Salt water at 700 and 2,016 ft.
27	7	Imperial Oil Ltd..... W. Dubeau No. 1.	2,030 ft. N. of S. line..... 240 ft. W. of E. line.	1950	608	2,029	"	.....	.....	Dry	.....	74	Fresh water at 65 ft. Sulphur water at 625 ft. Salt water at 1,714 ft. Show of gas at 65 and 1,912 ft.
10	8	Imperial Oil Ltd..... Duthill No. 8.	70 ft. S. of N. line..... 65 ft. W. of E. line.	1951	.....	2,000	.....	.....	.....	Dry			
20	8	Imperial Oil Ltd..... F. Ouellette No. 1.	1,250 ft. N. of S. line..... 100 ft. W. of E. line.	1951	600	2,068	Kettle Point	.....	.....	Dry	.....	73	Sulphur water at 660 ft. Salt water at 2,030 ft. Show of oil and gas at 1,947 ft.
A	9	Imperial Oil Ltd..... P. Johnston No. 1.	460 ft. S. of N. line..... 760 ft. W. of E. line.	1952	589	2,305	"	.....	.....	Dry	.....	80	Fresh water at 200 ft. Sulphur water at 850 ft. Salt water at 2,230 ft.
1	9	Imperial Oil Ltd..... N. Ellis No. 1.	460 ft. S. of N. line..... 750 ft. E. of W. line.	1952	591	1,993	"	1,813–1,922	Guelph	940 Mcf.	935	199	Sulphur water at 763 ft. Show of oil at 1,991 ft.
2	9	Imperial Oil Ltd..... A. Ellis No. 1.	1,350 ft. S. of N. line..... 350 ft. E. of W. line.	1951	594	2,281	"	.....	.....	Dry	.....	224	Fresh water at 153 ft. Salt and sulphur water at 859 ft.
9	9	Imperial Oil Ltd..... Beulah Graham No. 1.	2,575 ft. N. of S. line..... 515 ft. W. of E. line.	1948	591	2,100	"	.....	.....	Dry	.....	132	Fresh water at 122 ft. Salt water at 701, 726, 2,040, and 2,054 ft.
11	9	Imperial Oil Ltd..... A. Frazer Estate No. 1.	620 ft. S. of N. line..... 265 ft. E. of W. line.	1950	598	1,950	"	.....	.....	Dry	.....	138	Fresh water at 134 ft. Sulphur water at 585 and 1,820 ft.
11	9	Imperial Oil Ltd..... J. Heatherington No. 1.	1,800 ft. N. of S. line..... 200 ft. E. of W. line.	1950	597	1,780	"	1,691–1,700	Guelph	379 Mcf.	760	130	Fresh water at 130 ft. Salt water at 675 ft. Show of oil at 1,697 ft.
11	9	Imperial Oil Ltd..... G. Heatherington No. 1.	400 ft. N. of S. line..... 400 ft. W. of E. line.	1952	601	961	"	.....	.....	Dry	.....	130	Fresh water at 130 ft. Sulphur water at 858 ft.
12	9	Imperial Oil Ltd..... Wm. J. McGee No. 1.	1,850 ft. S. of N. line..... 365 ft. E. of W. line.	1948	610	2,190	"	.....	.....	Dry	.....	133	Fresh water at 132 ft. Salt water at 330, 800, 850, 1,964, and 1,988 ft. Show of gas at 235 ft.

Wells in Sombra Township, Lambton County—Continued

Lot	Con.	Designation	Location	Year drilled	Altitude in feet above sea-level	Depth in feet	Bedrock formation	Producing depth in feet	Producing formation	Yield Mcf. or bbls.	Pressure in lbs. sq. in.	Thickness of drift in feet	Remarks
14	9	Imperial Oil Ltd..... A. B. and A. L. Dell No. 1.	360 ft. N. of S. line..... 280 ft. E. of W. line.	1948	604	2,064	Kettle Point	.....	.....	Dry	.....	120	Fresh water at 120 ft. Salt water at 672, 690, and 2,063 ft.
21	9	Imperial Oil Ltd..... W. G. Kellett No. 1.	2,700 ft. N. of S. line..... 50 ft. E. of W. line.	1947	610	2,060	"	.....	.....	Dry	.....	90	Fresh water at 90 ft. Salt water at 620, 660, 675, 1,008, 2,005, and 2,060 ft.
1	10	Imperial Oil Ltd..... V. and E. Moran No. 1.	500 ft. N. of S. line..... 100 ft. W. of E. line.	1951	596	2,163	Port Lambton	1,982–2,117	Guelph	990 Mcf.	935	179	Fresh water at 137 ft. Sulphur water at 710 ft. Salt water at 2,075 ft. Gas at 178 ft. Show of oil.
1	10	Imperial Oil Ltd..... V. and E. Moran No. 2.	2,100 ft. N. of S. line..... 100 ft. W. of E. line.	1951	596	2,330	Kettle Point	.....	.....	Dry	.....	224	Fresh water at 120 ft. Black water at 727 and 804 ft. Salt water at 1,930 ft.
1	10	Imperial Oil Ltd..... V. and E. Moran No. 3.	1,000 ft. N. of S. line..... 450 ft. E. of W. line.	1951	591	2,126	"	.....	.....	Dry	.....	220	Fresh water at 150 ft. Sulphur water at 735 ft. Salt water at 2,120 ft. Show of gas at 150 ft.
2	10	Imperial Oil Ltd..... V. and G. Workman No. 1.	920 ft. N. of S. line..... 180 ft. W. of E. line.	1951	596	2,295	"	.....	.....	Dry	.....	182	Fresh water at 142 ft. Sulphur water at 715 ft. Show of gas at 135 ft.
8	10	Imperial Oil Ltd..... A. Branton No. 1.	300 ft. S. of N. line..... 500 ft. E. of W. line.	1952	606	2,255	Port Lambton	.....	.....	Dry	.....	140	Fresh water at 140 ft. Sulphur water at 600 ft. Salt water at 2,195 ft.
11	10	Imperial Oil Ltd..... J., F., and H. Hay No. 1.	75 ft. S. of N. line..... 75 ft. W. of E. line.	1951	605	2,150	Kettle Point	.....	.....	Dry	.....	138	Fresh water at 136 ft. Sulphur water at 700 ft.
13	10	Imperial Oil Ltd..... Bernard Coveny No. 1.	50 ft. S. of N. road..... 50 ft. E. of W. line.	1947	600	2,234	"	.....	.....	Dry	.....	124	Fresh water at 124 ft. Black water at 665 ft. Salt water at 2,190 ft. Show of oil at 2,096 ft.
15	10	Imperial Oil Ltd..... E. Smith No. 1.	100 ft. S. of N. line..... 100 ft. E. of W. line.	1952	606	2,200	"	.....	.....	Dry	.....	130	Fresh water at 120 ft. Sulphur water at 670 ft.

17	10	Imperial Oil Ltd..... A. James No. 1.	1,744 ft. S. of N. line..... 100 ft. E. of W. line.	1949	607	2,100	"	.....	.....	Dry	.....	103	Fresh water at 103 ft. Salt water at 670, 1,931, and 2,071 ft. Show of gas at 105 ft. Show of oil at 1,931 ft.
3	11	Imperial Oil Ltd..... L. Gormley No. 1.	800 ft. S. of N. line..... 465 ft. E. of W. line.	1952	598	2,337	"	.....	.....	Dry	.....	186	Fresh water at 105 ft. Sulphur water at 725, 750, and 765 ft. Black and salt water at 800 ft.
4	11	Imperial Oil Ltd..... S. Baker No. 1.	1,400 ft. N. of S. line.....	1952	600	2,320	"	.....	.....	Dry	.....	172	Fresh water at 168 ft. Sulphur water at 720 ft. Black water at 945 ft. Salt water at 2,181 ft. Show of oil and gas at 2,181 ft.
4	11	Imperial Oil Ltd..... W. Stratton No. 1.	800 ft. S. of N. line..... 600 ft. E. of W. line.	1951	606	2,184	"	2,082–2,098	Salina	531 Mcf.	867	205	Salt water at 733 ft.
5	11	Imperial Oil Ltd..... W. Hinnegan No. 1.	2,100 ft. S. of N. line..... 600 ft. W. of E. line.	1952	608	2,055	"	2,040–2,050	Salina	1,900 Mcf.	865	180	Sulphur water at 700 ft.
13	11	Imperial Oil Ltd..... A. Shepley No. 1.	2,000 ft. N. of S. line..... 530 ft. W. of E. line.	1952	594	2,253	"	.....	.....	Dry	.....	130	Fresh water at 126 ft. Sulphur water at 676 ft.
14	11	Imperial Oil Ltd..... M. Crawford No. 1.	2,100 ft. S. of N. line..... 100 ft. W. of E. line.	1951	603	2,235	"	.....	.....	Dry	.....	125	Fresh water at 120 ft. Sulphur water at 634 and 714 ft. Show of gas at 1,964 ft.
15	11	Imperial Oil Ltd. ..... A. Boston No. 1.	2,000 ft. S. of N. line..... 100 ft. W. of E. line.	1952	605	2,214	"	.....	.....	Dry	.....	127	Fresh water at 122 ft. Sulphur water at 663 ft. Salt water at 2,183 ft.
17	11	Imperial Oil Ltd..... D. W. Murphy No. 1.	100 ft. N. of S. line..... 100 ft. E. of W. line.	1949	607	2,095	"	.....	.....	Dry	.....	111	Fresh water at 111 ft. Salt water at 670 and 2,070 ft. Show of oil and gas at 2,060 ft.
21	11	Imperial Oil Ltd..... B. Bicum No. 1.	1,000 ft. S. of N. line..... 100 ft. W. of E. line.	1952	612	2,175	"	.....	.....	Dry	.....	110	Fresh water at 95 ft. Sulphur water at 636 ft.
21	11	Imperial Oil Ltd..... J. Vye No. 1.	1,500 ft. N. of S. line..... 100 ft. E. of W. line.	1951	610	2,164	"	.....	.....	Dry	.....	90	Fresh water at 90 ft. Salt water at 580 ft. Show of oil at 2,028 ft.
22	11	Imperial Oil Ltd..... C. Blake No. 1.	1,500 ft. N. of S. line..... 300 ft. W. of E. line.	1952	612	2,155	"	.....	.....	Dry	.....	105	Sulphur water at 610 ft. Salt water at 2,060 ft.
3	12	Imperial Oil Ltd..... H. Fournie No. 1.	2,100 ft. N. of S. line..... 100 ft. W. of E. line.	1951	597	2,376	"	.....	.....	Dry	.....	155	Fresh water at 150 ft. Sulphur and salt water at 720 ft. Salt water at 2,244 ft.

Lot	Con.	Designation	Location	Year drilled	Altitude in feet above sea-level	Depth in feet	Bedrock formation	Producing depth in feet	Producing formation	Yield Mcf. or bbls.	Pressure in lbs. sq. in.	Thickness of drift in feet	Remarks
4	12	Imperial Oil Ltd..... E. Fournie No. 1.	800 ft. N. of S. line..... 1,100 ft. E. of W. line.	1951	600	2,346	Kettle Point	.....	.....	Dry	.....	158	Salt water at 732 ft. Show of oil and gas at 2,091 ft.
5	12	Imperial Oil Ltd..... R. and U. Henry No. 1.	720 ft. N. of S. line..... 900 ft. E. of W. line.	1951	600	2,332	Port Lambton	.....	.....	Dry	.....	185	Fresh water at 165 ft. Sulphur water at 730 and 1,225 ft. Black water at 1,060 ft. Show of gas at 165 and 1,225 ft.
9	12	Imperial Oil Ltd..... Wm. J. McGee No. 2.	75 ft. S. of N. line ..... 75 ft. W. of E. line.	1948	605	2,145	Kettle Point	.....	.....	Dry	.....	132	Fresh water at 132 ft. Salt water at 815 ft.
11	12	Imperial Oil Ltd..... B. A. Stoneman No. 1.	1,650 ft. N. of S. road..... 100 ft. W. of E. line.	1946	607	915	"	.....	.....	.....	.....	146	Fresh water at 146 ft. Salt water at 672 and 735 ft.
12	12	Imperial Oil Ltd..... B. A. Stoneman No. 2.	1,200 ft. N. of S. line..... 700 ft. E. of W. line.	1951	604	2,180	"	.....	.....	Dry	.....	155	Fresh water at 150 ft. Salt water at 685 ft. Sulphur water at 1,140 ft.
16	12	Imperial Oil Ltd..... Stanley Horner No. 1.	2,170 ft. N. of S. line..... 100 ft. E. of W. line.	1949	603	2,180	"	.....	.....	Dry	.....	128	Fresh water at 125 ft. Salt water at 665, 715, 1,082, and 2,130 ft. Show of oil at 2,130 ft.
2	13	Imperial Oil Ltd..... W. Tretheway No. 1.	1,250 ft. S. of N. line..... 750 ft. E. of W. line.	1952	592	2,411	Port Lambton	.....	.....	Dry	.....	150	Sulphur water at 734 and 776 ft.
2	13	Imperial Oil Ltd..... G. and W. Young No. 1.	900 ft. N. of S. line..... 100 ft. W. of E. line.	1952	600	2,402	"	.....	.....	Dry	.....	160	Fresh water at 100 ft. Sulphur water at 742 ft.
3	13	Imperial Oil Ltd..... N. Robson No. 1.	1,800 ft. S. of N. line..... 500 ft. E. of W. line.	1951	602	2,413	"	.....	.....	Dry	.....	150	Fresh water at 140 ft. Sulphur water at 735 ft. Show of gas at 2,270 ft.
3	13	Imperial Oil Ltd..... N. Robson No. 2.	1,100 ft. S. of N. line..... 300 ft. W. of E. line.	1951	607	2,415	"	.....	.....	Dry	.....	140	Fresh water at 140 ft. Sulphur water at 720 ft.
4	13	Imperial Oil Ltd..... S. Marr No. 1.	1,500 ft. N. of S. line..... 200 ft. E. of W. line.	1950	604	2,413	"	.....	.....	Dry	.....	185	Fresh water at 156 ft. Salt water at 750, 820, and 1,217 ft. Show of gas at 418 ft.

Wells in Sombra Township, Lambton County

30	5	Union Gas Co. of Canada, Ltd., No. 86 V. Green No. 1	850 ft. N. of S. road..... 800 ft. W. of E. road	1936	594	2,042	Kettle Point			Dry	.....	52	Fresh water at 47 ft. Sulphur water at 535 ft. Salt water at 1,835 ft.
22	6	Union Gas Co. of Canada, Ltd., No. 66	75 ft. S. of N. line..... 50 ft. W. of centre line	1933	599	2,252	"	.....	.....	Dry	.....	60	Sulphur water at 565 and 700 ft. Show of oil.
F	6	.....	Port Lambton.....	1895	583	1,720	"	.....	.....	.....	.....	.....	
27	9	Union Gas Co. of Canada, Ltd., No. 123 Dawn T. E. O'Neill.....	1,600 ft. S. of N. road..... 201 ft. E. of W. line	1943	617	1,970	"	.....	.....	Dry	.....	78	
30	9	Union Gas Co. of Canada, Ltd., No. 48	1,700 ft. S. of N. line..... 100 ft. W. of E. line	1930	620	2,105	"	.....	.....	Dry	.....	65	Salt water at 610, 760, and 1,858 ft.
25	10	Union Gas Co. of Canada, Ltd., No. 122 Dawn Wm. Clifford Estate.....	993 ft. N. of S. road..... 72 ft. W. of E. line	1943	618	1,992	"	.....	.....	Dry	.....	100	Sulphur water at 600 to 606 ft. and 644 to 650 ft. Salt water at 1,983 to 1,992 ft.
25	11	Dawn Oil and Gas Co.....	2,400 ft. N. of S. line..... 200 ft. W. of E. line	1932	621	2,150	"	.....	.....	Dry	.....	109	Salt water at 645 and 2,015 ft.
29	11	Union Gas Co. of Canada, Ltd., No. 78	200 ft. N. of centre line.. 100 ft. W. of centre line	1934	625	2,002	"	.....	.....	Dry	.....	91	Sulphur water at 510 ft. Salt water at 1,990 ft. Show of gas at 1,990 ft.

Rock Pressure _____ lbs. After being shut in _____ Days

1st Gas or Oil _____ ft. Flow _____ cu. ft. or bbls./day

2nd " " " _____ " " _____ " " " "

3rd " " " _____ " " _____ " " " "

4th " " " _____ " " _____ " " " "

5th " " " _____ " " _____ " " " "

6th " " " _____ " " _____ " " " "

Wells in Sombra Township, Lambton County—Concluded

Lot	Con.	Designation	Location	Year drilled	Altitude in feet above sea-level	Depth in feet	Bedrock formation	Producing depth in feet	Producing formation	Yield Mcf. or bbls.	Pressure in lbs. sq. in.	Thickness of drift in feet	Remarks
30	11	Union Gas Co. of Canada, Ltd., No. 77	75 ft. S. of N. line..... 1,000 ft. W. of E. line	1934	625	2,150	Kettle Point	.....	.....	Dry	.....	85	Sulphur water at 600 ft. Show of oil at 2,005 ft.
26	13	.....	1,600 ft. S. of N. line..... 400 ft. W. of E. line	.....	612	1,500	.....	.....	.....	Dry	.....	.....	
27	13	Union Gas Co. of Canada, Ltd., No. 75	1,100 ft. S. of N. road..... 400 ft. E. of W. line	1934	620	2,175	Kettle Point	.....	.....	Dry	.....	100	Sulphur water at 575 and 650 ft. Salt water at 2,035 and 2,150 ft.

Wells in Enniskillen Township, Lambton County

2

Date commenced _____ Date completed _____ Elev. _____ Acres _____

DRILLERS LOG (Formation)	Thickness	TOTAL

WATER RECORD

Kind	Depth	Ft. Rises

CASING RECORD

Length	Diam.	Weight

SKETCH OF LOCATION

N.

W. E.

S.

Type Packer _____

Size _____

Set off Bottom _____ feet

Explosive used _____ No. qts. or lbs. _____

Placed between _____ and _____ ft. from surface

Initial Oil Yield _____ bbls./day. Initial Gas Yield _____ M. cu. ft./day

Rock Pressure _____ lbs. After being shut in _____ Days

1st Gas or Oil _____ ft. Flow _____ cu. ft. or bbls./day

2nd " " " _____ " " _____ " " " "

3rd " " " _____ " " _____ " " " "

4th " " " _____ " " _____ " " " "

5th " " " _____ " " _____ " " " "

6th " " " _____ " " _____ " " " "

Sydenham Riv

lot. 12 Con VII Sombra on North branch
10 feet above water. Hunt 1866 p 244

Clay 112.	112	
Black Shale	100	
Soap stone	100 + log incomplete	

On adjoining lot a well with similar log.
There are many Imperial Oil Co well near here now These are unimportant

lot 12 Con X Sombra (Hunt 1866)

Clay	120
Black shale	20
Soap stone	60 + log incomplete

Dolom
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Dolom
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Magne
Grey

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about from Dominion Natural Gas Co., Chatham
100' " East Lot 30, con. IX, Sombra tp. #48 Harris

Completed August 29, 1930.
Dry hole.

Formation		Thickness ft.
Surface		65
Black shale	290	225
Top rock	310	20
Upper soap	470	160
Middle lime	485	15
Lower soap	510	25
Onondaga and Detroit River brown lime	925	415
Brown and grey sharp lime	1190	265
Brown lime	1270	80
Lime and gypsum	1415	145
Blue and brown lime	1960	545
Grey lime	2028	68
Rochester grey shale	2060	32
Clinton grey dolomite	2068	8
Cabot Head red shale	2085	17
Blue shale	2105	20
Total depth		2,105

Show Gas at 1,635 and 1,790 to 1,795 feet.
Salt Water at 610, 645, 760, and 1,815 feet.
1½ bpH. 3 bpH holefull 2 gals p/h.

Down Oil & Gas Co
Sombra Twp. lot. 25 Con XI #1 Bowie
April 22nd 1932. Dry hole. Staver Driller

Surface	Clay	100	
Black Shale	(Huron)	171	280
Hamilton	lime	60	340
"	shale soap	112	452
	lime middle	15	467
	lower soap	35	502
Onondaga	Brown lime	93	595
	Water sand	5	600
	Brown & grey lime	30	630
	Brown Water sand	20	650
	Brown lime	45	695
	Grey lime & gypsum	50	745
	Grey & brown lime	120	865
	Sharp brown lime	95	960
	Brown & grey lime	145	1105
	Blue lime (Gypsum at 1115-20)	100	1205
	Brown lime (25' lime & gypsum 1265-90)	150	1355
	Grey lime & shale	70	1425
	Salt & lime shells	10	1435
	Hard brown lime	55	1490
	Salt with lime streaks	170	1660
	Brown lime 53' Dark grey lime	140	1800
	Salt	55	1855
	Hard grey & brown lime	50	1905
	Hard dark brown lime	55	1960
	Black slate & lime	30	1990
	Grey lime	130	2120
	Grey shale	30	2150

Salt water at 645 - Holefull
" " " 2015 - 3 bailers per hour

UNION GAS CO DIAMOND DRILL TEST

No	lot	Con	Distance N or S	Distance E or W	Elev. Dundee
71	19	I	1071 N	762 W.	+144

UNION GAS CO. OF CANADA, LTD.
Lot 30, con. XI, Sombra tp.

Completed September 16, 1934.
Dry hole.

Formation	Thickness, ft.
Surface	85
Huron shale	160
Hamilton shale and lime	223
Grey and brown lime	202
Grey lime and gypsum	10
Brown and grey lime	170
Sharp brown and grey lime	110
Brown, grey, and blue lime	125
Blue lime and gypsum	85
Blue, brown, and grey lime	250
Salt and lime shells	229
Brown, grey, and blue lime	143
Salt	48
Grey, brown, and black lime	175
Light-grey lime	79
Rochester shale	42
Clinton	9
Red shale	5
Total depth	2,150

Show of oil at 2,005 feet.

UNION GAS CO. OF CANADA, LTD.
Lot 29, con. XI, Sombra tp.

Completed October 29, 1934.
Dry hole.

Formation	Thickness, ft.
Surface	91
Huron shale	169
Hamilton shale and lime	224
Brown and grey lime	376
Grey lime (sharp sand)	100
Grey and brown line	90
Blue lime	15
Brown and grey lime	25
Blue and brown lime	55
Blue, grey, and brown lime	275
Salt and lime	10
Salt, salt and lime shells	200
Brown lime	10
Salt, salt and lime shells	15
Brown and grey lime	145
Salt, grey lime and salt	40
Grey and brown lime	85
Black lime	45
Black and grey lime	10
Brown lime	22
Total depth	2,002

Show of gas at 1,990 feet.
Sulphur water at 510 and 515 feet; salt water at 1,990 feet.

UNION GAS CO. OF CANADA, CHATHAM
Lot 22, con. VI, Sombra tp.

Completed March 26, 1933.
Dry hole.

Formation	Thickness, ft.
Surface	68
Huron shale	204
Hamilton shale and lime	216
Onondaga and Detroit River:	
brown and some grey lime	332
sharp (sand) lime	130
brown lime	90
blue lime and gypsum	15
brown and blue lime	355
salt and shale	195
Brown and grey lime shale	140
Salt and lime shale	50
Brown and grey lime	55
Black and brown lime	30
Brown and grey lime	20
Black and black-grey lime	15
Brown and grey lime	132
Grey shale	28
Pink shale	35
Grey shale	105
Sharp grey lime	5
Grey shale	27
Red shale	5
Total depth	2,252

Show of gas at 1,935 feet.
Sulphur water at 565, 600, and 720 feet.

Thamesville Herald Dec 9th 1896

Port Lambton or Bridge Point one mile below Port Lambton has struck a gushing gas well. The Bureau mines [illegible] water rose in the oil [illegible] No. 4 Shaw the well at Hotel Lovers was completed 2 weeks ago, the pressure has increased considerably. Gas is used for cooking and heating.

Localities and formations	Thickness Feet	Depth Feet	Depth at which oil or gas occurred
Lambton County—Continued			
Sombra tp., l. 12, con. X (Geol. Sur. Can., Vol. V, Part II, p. 67Q):			
Clay 120 feet; black shales 20 feet; "soapstone," 60 feet.		200±	

Copied from C R Stauffer G.S.C. Memoir 34. Page 198.

Well at Pt Lambton Lot. F. Con VII

SOMBRA TP. W.J. Aikens, 1911.

Surface	149	149
Pt Lambton Beds. Grey sh. 22 Black shale 50 Black Sandy 28	100	249
Huron Black shale	53	302

Oily scum and show gas at 249 feet

(Luke Smith had gas in sandstone above top rock in Dover East RBH)

Log From. AC Lane. G.S Mich. Vol. V. 1895. pl. LVIII.

Log from C R Stauffer. G.S.C. Mem. 34. Page 195.

Well at Pt Lambton. drilled in 1895.

Surface. Blue Clay 140 H. Lm & Boulders	190	190
Pt Lambton & Huron Shale Black & grey shale (somewhat gritty	270	460
HAMILTON. Limestone	100	56[illegible]
Soft clay shale (Soap)	150	71[illegible]
DELAWARE fine grained limestone	50	76[illegible]
ONONDAGA soft porous limestone	70	83[illegible]
DETROIT RIVER. grey dolomite.	200	103[illegible]
grey arenaceous limestone	100	113[illegible]
Yellow do do	70	1200
SYLVANIA. light grey calc. sandstone	20	1220
dirty yellow do do	30	1250
BASS ISLAND. Yellow Buff ferrug. dolomite	120	1370
SALINA BEDS. blue grey dolomitic lime with some anhydrite	40	1410
calcarious gypsum	40	1450
grey drab to buff dolomite	100	1550
Gypsiferous limestone	10	1560
Calcarious gypsiferous clay	10	1570
Argillaceous dolomite	100	1670
Calcareous sandstone	40	1710
calc. clay shale, salty taste	10	1720

W.J. Aikens

UNION GAS CO. OF CANADA, LTD.

Green No. 1, lot 30, S.½, con. V, Sombra tp.

Completed November 24, 1936.

Dry hole.

Formation	Thickness, ft.
Surface	52
Huron shale	223
Hamilton	200
Brown and grey lime	325
Sharp grey lime	10
Brown and grey lime	95
Brown lime	305
Blue and brown lime	15
Blue lime	120
Blue and brown lime	50
Grey and blue lime	15
Brown, and blue and grey lime	170
Brown lime	120
Grey, and brown and grey lime	10
Brown lime	85
Grey and brown lime	85
Grey lime	95
Rochester blue shale	25
Clinton	5
Cabot Head shale	37
Total depth	2,042

Fresh water at 47 feet; sulphur water at 535 feet; salt water at 1,835 feet.

UNION GAS CO. OF CANADA, LTD.

Lot 27, con. XIII, Sombra tp.

Completed July 7, 1934.

Dry hole.

Formation	Thickness, ft.
Surface	100
Huron shale	145
Hamilton lime and shale	230
Brown and grey lime	245
Brown lime and gypsum	50
Brown lime	25
Brown lime and gypsum	80
Sharp brown and grey lime	115
Brown lime	90
Blue lime, gypsum, and brown lime	35
Grey lime, blue lime, and gypsum	50
Blue and pink shale	65
Brown and blue lime	170
Brown lime and blue shale	65
Salt	10
Salt and lime shells	135
Salt	90
Brown and blue lime	140
Brown lime and salt	10
Salt	60
Brown and grey lime	258
Rochester shale	7
Total depth	2,175

Sulphur water at 575 and 590 feet; salt water at 2,035 and 2,150 feet.

951
336

10
100
40
10 1720

UNION GAS CO. OF CANADA, LTD.

W. Clifford Estate, Co. well No. 122, Dawn, lot 25, con. X, Sombra tp.

Completed August 7, 1943.
Dry hole.

Formation	Thickness, ft.
Surface	100
Soap	30
Black shale	164
Top rock	60
Soap	53
Soap and lime shell	57
Middle lime	12
Soap	28
Grey lime	94
Brown and grey lime	286
Sharp grey and brown lime	119
Brown and grey lime	66
Grey and blue lime and gypsum	6
Blue lime	18
Brown lime	22
Blue and grey lime	24
Blue lime	83
Brown lime	57
Blue and brown lime	41
Brown lime	34
Grey lime	19
Blue and grey lime	75
Salt	121
Salt and lime shell	83
Brown lime	66
Dark-grey lime	74
Salt	42
Light-grey lime	31
Dark-grey lime	111
Light-grey lime	22
Total depth	1,992

Show of oil at 1,983 to 1,992 feet.
Sulphur water at 600 to 606 and 644 to 650 feet; salt water at 1,983 to 1,992 feet.

Lime shell and hard soap	420
Soap	555
Soap and black streak	615
Big lime	728
Oriskany sand	729
Big lime	900

UNION GAS CO. OF CANADA, LTD.

T.F. O'Neill, Co. well No. 123, Dawn, lot 27, con. IX, Sombra tp.

Completed September 22, 1943.
Dry hole.

Formation	Thickness, ft.
Surface	78
Black shale	267
Top rock	99
Soap	66
Soap and lime shell	88
Grey lime	88
Brown lime	177
Brown and grey lime	96
Sharp brown and grey lime	134
Brown and grey lime	65
Grey and blue lime and gypsum	18
Grey and blue lime	44
Blue and brown lime	79
Brown and grey lime	47
Brown lime	24
Brown and grey lime	85
Blue lime	48
Grey lime	45
Salt	93
Brown lime	49
Dark-grey lime	92
Salt	30
Brown and grey lime	30
Dark-grey lime	86
Light-grey lime	17
Grey and brown lime	25
Total depth	1,970

Show of oil at 1,939 to 1,945 feet.
Fresh water at 75 to 78 feet; sulphur water at 686 to 692 and 750 feet; salt water at 1,812 to 1,818 and 1,933 to 1,939 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

J. Bechard No. 1, lot 9, con. V, Sombra tp.

Completed February 5, 1946.
Producing oil well.

Formation	Depth, ft.
Surface	100
Soap and brown shale	300
Brown lime and soap	880
Sharp sand	1,000
Brown and blue lime	1,438
Salt and lime shell	1,660
Brown and blue lime	1,796
Grey and brown lime	1,802
Salt and lime shell	1,845
Brown lime	1,856

Oil at 82 and 1,844 feet.
Fresh water at 82 feet; salt water at 595 to 601 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

S. Bechard No. 2, lot 9, con. V, Sombra tp.

Completed December 11, 1946.
Producing gas well.
Rock pressure: 790 lbs.

Formation	Depth, ft.
Surface	101
Black shale	105
Soap and broken shale	131
Black shale	140
Soap	155
Black shale	175
Brown shale	283
Lime and soap	320
Lime shell	350
Soap	438
Lime	453
Soap	483
Lime	948
Brown and grey lime	1,061
Lime	1,215
Brown and blue lime	1,420
Salt and lime	1,657
Brown lime	1,708
Brown and blue lime	1,738
Lime	1,797
Salt	1,830
Lime	1,895

Gas at 88 and 1,855 to 1,861 feet.
Show of oil at 1,862 feet.
Fresh water at 88 feet; sulphur water at 590 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

H. A. Johnston No. 1, lot 9, con. V, Sombra tp.

Completed December 16, 1946.
Producing gas well.
Rock pressure: 850 lbs.

Formation	Depth, ft.
Surface	120
Top rock	126
Soap	155
Black shale	285
Blue shale and lime	297
Grey lime shell	345
Soap	440
Grey shell	450
Soap	460
Middle lime	470
Soap	495
Brown lime	565
Brown and grey lime	605
Brown lime	885
Brown and grey lime	940
Flint	980
Brown lime	1,070
Brown lime and shale	1,082
Brown lime and shale and gypsum	1,110
Brown lime and shale	1,375
Blue shale	1,390
Brown lime and shale	1,407
Lime and blue shale	1,420
Salt and brown and grey lime	1,495
Salt	1,655
Brown lime	1,745
Brown and grey lime	1,825
Salt	1,865
Salt and lime	1,872
Grey lime	1,905

Gas at 120, 1,875, and 1,880 to 1,885 feet.
Fresh water at 120 feet; sulphur water at 510, 550, 603 to 610, 1,020, and 1,085 feet; salt water at 695 to 700 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

W. F. Johnston No. 1, lot 10, con. V, Sombra tp.

Completed October 14, 1946.
Producing gas well.
Rock pressure: 850 lbs.

Formation	Depth, ft.
Surface	104
Black shale	288
Soap	298
Brown lime	330
Soap	440
Lime and soap	478
Brown lime	770
Flint	800
Brown lime	851
Sharp lime	861
Brown and grey lime	936
Brown lime	1,051
Grey and brown lime	1,105
Blue shale	1,159
Blue shale and gypsum	1,185
Brown and grey lime	1,240
Brown and grey lime and gypsum	1,270
Blue, brown, and grey lime	1,320
Shale	1,355
Brown lime and shale	1,415
Salt	1,494
Salt and lime shell	1,538
Salt	1,585
Salt and lime shell	1,640
Brown lime	1,705
Blue and brown lime	1,750
Grey and brown lime	1,765
Shale and gypsum	1,785
Salt	1,825
Grey and brown lime	1,830

Gas at 1,829 to 1,830 feet.
Fresh water at 118 feet; sulphur water at 565 feet; salt water at 590, 600, 645, and 940 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

F. McCreary No. 1, lot 21, con. VI, Sombra tp.

Completed July 2, 1946.
Producing gas well.
Rock pressure: 900 lbs.

Formation	Depth, ft.
Surface	70
Brown shale	76
Soap	125
Brown shale	270
Lime	330
Soap	434
Lime	448
Soap	476
Brown and grey lime	591
Brown lime	830
Grey lime	962
Grey and brown lime	1,075
Brown and blue lime and gypsum	1,093
Brown and blue lime	1,184
Brown lime	1,232
Brown and blue lime	1,348
Shale	1,380
Blue lime	1,418
Salt	1,570
Brown lime	1,659
Grey lime	1,746
Salt	1,778
Brown lime	1,884
Grey lime	1,904
Brown lime	1,933
Grey lime	1,970

Gas at 1,910 to 1,922 feet.
Fresh water at 70 feet; salt water at 560 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

G. Raymond No. 1, lot 18, con. VI, Sombra tp.

Completed December 27, 1946.
Producing gas well.
Rock pressure: 840 lbs.

Formation	Depth, ft.
Surface	70
Black shale	263
Grey shale	315
Soap	420
Grey shale	435
Soap	460
Grey shale	472
Brown and grey lime	998
Brown and blue lime	1,056
Blue shale	1,166
Blue and brown lime	1,399
Salt	1,547
Brown lime and salt	1,584
Brown lime	1,700
Blue lime	1,724
Brown lime and salt	1,768
Brown lime and gypsum	1,771
Brown lime	1,866
Blue lime	1,884
Brown and grey lime	1,934

Gas at 65, 1,912, and 1,920 to 1,924 feet.
Fresh water at 70 feet; salt water at 480 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

B. A. Stoneman No. 1, lot 11, con. XII, Sombra tp.

Completed February 16, 1946.
Dry hole.

Formation	Depth, ft.
Surface	160
Grey lime and soap	224
Black and grey shale	263
Black shale	404
Grey lime and shale	416
Brown lime and soap	821
Brown and grey lime	915

Fresh water at 146 feet; salt water at 672 and 735 feet.

IMPERIAL OIL, LTD.

C. Van Damme No. 1, lot 14, con. XIII, Sombra tp.

Completed November 10, 1945.
Dry hole.

Formation	Depth, ft.
Surface	110
Black shale	165
Grey shale	171
Soap	200
Black shale	328
Grey shale and soap	348
Brown lime	349
Brown and grey lime	365
Grey shale	375
Grey shale and brown lime	385
Soap	395
Grey and brown lime	400
Grey lime and soap	410
Soap	510
Middle lime	522
Soap	562
Brown lime	783
Grey lime	793
Brown and grey lime	815
Grey lime	820

Fresh water at 107 and 135 feet; salt water at 665 to 671 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

J. Bechard No. 1, lot 9, con. V, Sombra tp.

Completed February 5, 1946.
Producing oil well.

Formation	Depth, ft.
Surface	100
Soap and brown shale	300
Brown lime and soap	880
Sharp sand	1,000
Brown and blue lime	1,438
Salt and lime shell	1,660
Brown and blue lime	1,796
Grey and brown lime	1,802
Salt and lime shell	1,845
Brown lime	1,856

Oil at 82 and 1,844 feet.
Fresh water at 82 feet; salt water at 595 to 601 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

S. Bechard No. 2, lot 9, con. V, Sombra tp.

Completed December 11, 1946.
Producing gas well.
Rock pressure: 790 lbs.

Formation	Depth, ft.
Surface	101
Black shale	105
Soap and broken shale	131
Black shale	140
Soap	155
Black shale	175
Brown shale	283
Lime and soap	320
Lime shell	350
Soap	438
Lime	453
Soap	483
Lime	948
Brown and grey lime	1,061
Lime	1,215
Brown and blue lime	1,420
Salt and lime	1,657
Brown lime	1,708
Brown and blue lime	1,738
Lime	1,797
Salt	1,830
Lime	1,895

Gas at 88 and 1,855 to 1,861 feet.
Show of oil at 1,862 feet.
Fresh water at 88 feet; sulphur water at 590 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

R. Van Damme No. 1, lot 11, con. V, Sombra tp.

Completed May 21, 1946.
Dry hole.

Formation	Depth, ft.
Surface	118
Soap and shale	158
Black shale	275
Soap	435
Lime	450
Soap	480
Lime	840
Sharp sand	1,001
Brown lime	1,051
Blue lime	1,080
Grey lime and shale	1,112
Brown lime, shale, and gypsum	1,388
Salt and lime shell	1,636
Brown lime	1,770
Grey and brown lime	1,776
Salt and lime shell	1,823
Brown and grey lime	2,083
Blue shale	2,119
Red Medina	2,131

Fresh water at 114 feet; sulphur water at 600 feet; salt water at 674 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

W. W. Wade No. 1, lot 19, con. VI, Sombra tp.

Completed September 28, 1946.
Producing gas well.
Rock pressure: 570 lbs.

Formation	Depth, ft.
Surface	55
Shale	301
Blue and grey lime and soap	420
Soap	460
Grey lime	475
Brown lime	855
Brown and grey lime	1,070
Grey shale and soap	1,173
Brown lime	1,183
Grey lime and gypsum	1,191
Brown and grey lime	1,405
Grey lime and salt	1,413
Salt	1,580
Salt and brown lime	1,590
Brown lime	1,658
Grey lime	1,732
Grey lime and salt	1,748
Salt	1,778
Salt and grey lime	1,781
Grey and brown lime	1,787
Brown lime	1,893
Brown lime and gypsum	1,953

Gas at 501 and 1,924 feet.
Fresh water at 60 feet; salt water at 560 and 1,951 feet; sulphur water at 640 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

C. and B. Broad No. 1, lot 13, con. VI, Sombra tp.

Driller: Stubble and Stubble.
Completed October 27, 1947.
Dry hole.

Formation	Depth, ft.
Surface	140
Soap	145
Brown shale	303
Soap	520
Lime	538
Soap	577
Brown lime	970
Brown and grey lime	1,109
Brown lime	1,170
Blue and grey lime	1,179
Brown lime	1,198
Brown and blue lime	1,272
Blue lime and gypsum	1,512
Blue lime and shale	1,542
Brown and blue lime	1,600
Brown lime and salt	1,673
Blue and brown lime	1,730
Grey lime	1,770
Salt	1,815
Gypsum	1,820
Brown and black lime	1,859
Grey lime and gypsum	1,945
Brown lime	1,957

Show of oil at 1,957 feet.
Fresh water at 116 feet; salt water at 670 to 675, 715, and 1,957 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

B. Coveny No. 1, lot 13, con. X, Sombra tp.

Driller: H. L. Evans and Sons.
Completed March 21, 1947.
Dry hole.

Formation	Depth, ft.
Surface	124
Black shale	155
Soap	202
Black shale	345
Black shale and soap	352
Soap and lime	615
Brown lime	655
Grey lime	995
Sharp sand	1,090
Grey lime and shale	1,150
Grey and brown lime	1,190
Lime and shale	1,505
Salt	1,520
Lime	1,525
Salt	1,720
Lime and salt	1,750
Brown lime	1,780
Brown and grey lime	1,850
Lime and shale	1,885
Shale	1,895
Salt	1,964
Brown lime	1,982
Lime and shale	1,988
Brown and grey lime	2,088
Brown lime	2,178
Grey lime	2,225
Grey shale	2,234

Show of oil at 2,096 feet.
Fresh water at 124 feet; black water at 665 feet; salt water at 2,190 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

R. Clark No. 1, lot 12, con. VI, Sombra tp.

Driller: Stubble and Stubble.
Completed March 13, 1947.
Producing gas well.
Rock pressure: 850 lbs.

Formation	Depth, ft.
Surface	118
Soap	125
Brown shale	255
Top rock	325
Soap	430
Middle lime	446
Soap	475
Brown lime	900
Brown and grey lime	990
Brown lime	1,046
Blue shale	1,056
Brown lime	1,080
Brown and blue lime	1,114
Blue lime and shale	1,197
Brown and blue lime	1,336
Blue lime and shale	1,412
Salt and shell	1,635
Brown lime	1,676
Grey lime	1,785
Salt	1,823
Brown lime	1,827
Grey lime	1,828
Brown lime	1,844
Brown and grey lime	1,855

Gas at 1,823 to 1,825 feet.
Fresh water at 115 feet; salt water at 595 to 605 feet.

DOW CHEMICAL CO. OF CANADA, LTD.

Dow Chemical Co. of Canada, Ltd. No. 1, lot 30 River front, Sarnia tp.

Driller: J. L. Ashton.
Completed April 16, 1947.
Dry hole.

Formation	Depth, ft.
Surface	109
Black shale	219
Top rock	299
Soap	515
Grey lime	561
Brown lime	743
Brown lime and gypsum	852
Brown and grey lime	1,005
Brown and grey lime	1,185
Grey and brown lime	1,510
Grey and blue lime	1,540
Grey lime and salt	1,680
Brown lime	1,755
Brown lime and salt	1,782
Brown lime	1,820
Grey lime and salt	1,844
Brown lime	1,850
Salt and shell	1,877
Grey lime	1,892
Brown and grey lime	1,972
Salt and shell	2,010
Blue shale and lime	2,090
Salt	2,375
Brown lime	2,432
Grey lime	2,540
Salt	2,685
Brown and grey lime	2,720

Show of gas at 385 and 515 feet.
Show of oil at 2,690 to 2,695 feet.
Fresh water at 107 feet; sulphur water at 680 feet.

W. KIMBER

W. Kimber No. 1, lot 17, con. VI, Sarnia tp.

Driller: W. Windover.
Completed September 11, 1947.
Producing gas well.
Rock pressure: 125 lbs.

Formation	Depth, ft.
Surface	117
Black shale	164
Top rock	253
Soap	417
Middle lime	421
Soap	487
Lower lime	623

Gas at 580 to 585 feet.
Fresh water at 117 feet; salt water at 623 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

B. Broad No. 1, lot 13, con. VI, Sombra tp.

Driller: Stubble and Stubble.
Completed October 27, 1947.
Dry hole.

Formation	Depth, ft.
Surface	140
Soap	145
Brown shale	303
Soap	520
Lime	538
Soap	577
Brown lime	970
Brown and grey lime	1,109
Brown lime	1,170
Blue and grey lime	1,179
Brown lime	1,198
Brown and blue lime	1,272
Blue lime and gypsum	1,512
Blue lime and shale	1,542
Brown and blue lime	1,600
Brown lime and salt	1,673
Blue and brown lime	1,730
Grey lime	1,770
Salt	1,815
Gypsum	1,820
Brown and black lime	1,859
Grey lime and gypsum	1,945
Brown lime	1,957

Show of oil at 1,957 feet.
Fresh water at 116 feet; salt water at 670 to 675, 715, and 1,957 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

R. Clark No. 1, lot 12, con. VI, Sombra tp.

Driller: Stubble and Stubble.
Completed March 13, 1947.
Producing gas well.
Rock pressure: 850 lbs.

Formation	Depth, ft.
Surface	118
Soap	125
Brown shale	255
Top rock	325
Soap	430
Middle lime	446
Soap	475
Brown lime	900
Brown and grey lime	990
Brown lime	1,046
Blue shale	1,056
Brown lime	1,080
Brown and blue lime	1,114
Blue lime and shale	1,197
Brown and blue lime	1,336
Blue lime and shale	1,412
Salt and shell	1,635
Brown lime	1,676
Grey lime	1,785
Salt	1,823
Brown lime	1,827
Grey lime	1,828
Brown lime	1,844
Brown and grey lime	1,855

Gas at 1,823 to 1,825 feet.
Fresh water at 115 feet; salt water at 595 to 605 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

B. Coveny No. 1, lot 13, con. X, Sombra tp.

Driller: H. L. Evans and Sons.
Completed March 21, 1947.
Dry hole.

Formation	Depth, ft.
Surface	124
Black shale	155
Soap	202
Black shale	345
Black shale and soap	352
Soap and lime	615
Brown lime	655
Grey lime	995
Sharp sand	1,090
Grey lime and shale	1,150
Grey and brown lime	1,190
Lime and shale	1,505
Salt	1,520
Lime	1,525
Salt	1,720
Lime and salt	1,750
Brown lime	1,780
Brown and grey lime	1,850
Lime and shale	1,885
Shale	1,895
Salt	1,964
Brown lime	1,982
Lime and shale	1,988
Brown and grey lime	2,088
Brown lime	2,178
Grey lime	2,225
Grey shale	2,234

Show of oil at 2,096 feet.
Fresh water at 124 feet; black water at 665 feet; salt water at 2,190 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

M. Cranston No. 1, lot 11, con. VI, Sombra tp.

Driller: Stover and Rawlings.
Completed July 23, 1947.
Producing oil well.

Formation	Depth, ft.
Surface	138
Black shale	280
Black shale and soap	300
Grey lime	330
Brown lime	340
Soap	450
Lime	463
Soap	513
Brown and grey lime	700
Brown lime	960
Grey lime	992
Brown lime	1,131
Blue lime and shale	1,243
Brown lime	1,290
Brown and blue lime	1,370
Salt and lime	1,645
Brown lime	1,790
Grey lime	1,800
Salt and lime	1,852
Brown lime	1,885
Grey lime	1,898

Oil at 1,870 to 1,877 feet.
Gas at 1,860 to 1,865 feet.
Salt water at 607 and 650 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

M. Cranston No. 2, lot 11, con. VI, Sombra tp.

Driller: Stover and Rawlings.
Completed November 24, 1947.
Dry hole.

Formation	Depth, ft.
Surface	132
Soap and shale	195
Black shale	290
Brown and grey lime	360
Soap	465
Lime	475
Soap	505
Brown lime	868
Brown and grey lime	1,020
Brown lime	1,155
Brown and blue lime	1,280
Brown lime	1,390
Blue shale and lime	1,445
Brown lime	1,470
Salt and lime	1,640
Brown lime and salt	1,670
Brown lime	1,740
Grey and blue lime	1,810
Salt	1,848
Grey lime	1,905
Brown lime	1,920

Show of gas at 1,851 feet.
Fresh water at 132 feet; sulphur water at 610 and 648 feet; salt water at 1,908 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

P. and G. De Kort No. 1, lot 8, con. V, Sombra tp.

Driller: Stover and Rawlings.
Completed February 12, 1947.
Producing oil well.

Formation	Depth, ft.
Surface	112
Black shale	132
Soap and shale	198
Black shale	303
Soap and lime shell	368
Lime	465
Soap	500
Lime	534
Brown lime	1,140
Blue lime	1,485
Lime and salt	1,557
Soap and lime shell	1,686
Brown lime	1,836
Salt	1,876
Lime	1,920

Oil at 1,887 to 1,908 feet.
Show of gas at 105 and 1,887 to 1,908 feet.
Fresh water at 105 feet; salt water at 625 and 1,105 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

P. and G. De Kort No. 2, lot 8, con. V, Sombra tp.

Driller: Stover and Rawlings.
Completed April 28, 1947.
Producing oil well.

Formation	Depth, ft.
Surface	102
Soap	122
Brown shale	263
Shale and lime	325
Lime and soap	493
Brown and grey lime	1,060
Brown and blue lime	1,120
Brown lime	1,155
Blue lime	1,164
Grey lime	1,225
Brown lime	1,490
Salt	1,493
Salt and lime	1,712
Brown lime	1,750
Brown and blue lime	1,814
Blue shale and lime	1,822
Blue shale	1,835
Blue, grey, and brown lime	1,880
Brown lime	1,893

Oil at 1,881 feet.
Salt water at 590 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

P. and G. De Kort No. 3, lot 7, con. V, Sombra tp.

Driller: R. McPherson.
Completed July 11, 1947.
Producing oil well.

Formation	Depth, ft.
Surface	122
Black shale	280
Grey shale	320
Brown lime	328
Grey shale and soap	487
Brown lime	950
Grey lime	1,000
Brown lime	1,087
Blue and brown lime	1,109
Brown lime	1,132
Blue shale	1,247
Brown lime and blue shale	,430
Brown and grey lime	1,438
Brown lime	1,442
Grey shale	1,450
Brown lime and salt	1,504
Salt	1,667
Brown lime and salt	1,678
Salt	1,690
Brown lime	1,754
Brown lime and blue shale	1,762
Blue shale	1,825
Blue shale and salt	1,831
Salt	1,865
Brown lime and gypsum	1,868
Brown lime	1,930

Oil at 1,880 to 1,882, 1,866, and 1,907 to 1,911 feet.
Fresh water at 124 feet; salt water at 505, 610, and 655 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION
P. and G. De Kort No. 4, lot 8, con. V, Sombra tp.
Driller: Stover and Rawlings.
Completed July 2, 1947.
Producing oil well.

Formation	Depth, ft.
Surface	116
Shale and soap	140
Shale	260
Soap and lime shell	298
Lime and soap	365
Soap	375
Soap and lime	490
Lime	520
Brown lime	935
Sharp sand	970
Brown lime	1,030
Brown lime and gypsum	1,100
Brown and blue lime	1,142
Blue shale	1,250
Brown lime	1,274
Brown and blue lime	1,352
Blue shale and brown lime	1,445
Brown and blue lime	1,461
Salt and lime shell	1,682
Brown lime	1,734
Blue lime	1,835
Salt	1,868
Lime	1,876
Brown lime	1,930

Oil at 1,883 to 1,887 feet.
Gas at 110, 1,877 to 1,880, and 1,909 to 1,913 feet.
Fresh water at 110 feet; salt water at 595 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION
A. and M. Hay No. 1, lot 10, con. VI, Sombra tp.
Driller: Stover and Rawlings.
Completed September 24, 1947.
Dry hole.

Formation	Depth, ft.
Surface	151
Soap and shale	190
Black shale	300
Soap and lime	360
Soap	450
Lime	465
Soap	500
Grey lime	950
Flint	980
Grey lime	1,070
Blue shale	1,075
Brown and grey lime	1,365
Blue shale	1,575
Salt	1,640
Brown lime	1,720
Blue lime	1,806
Salt	1,850
Grey and brown lime	2,018

Show of oil at 1,987 feet.
Salt water at 610, 1,915, and 1,987 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION
J. E. Flynn No. 1, lot 7, con. V, Sombra tp.
Driller: C. Carter.
Completed August 15, 1947.
Dry hole.

Formation	Depth, ft.
Surface	141
Soap	190
Black shale	305
Soap	307
Black shale	315
Black shale and brown lime	325
Soft grey-brown lime	355
Soap and lime	505
Brown lime	526
Grey lime	632
Brown lime	720
Grey lime	932
Flint and brown lime	1,005
Hard brown lime	1,090
Grey lime and shale	1,100
Grey and brown lime	1,118
Brown lime	1,120
Grey lime and shale	1,210
Brown and grey lime	1,375
Grey lime and shale	1,430
Lime	1,435
Salt	1,555
Lime	1,560
Salt	1,655
Lime and salt	1,685
Brown lime	1,750
Grey lime	1,780
Grey lime and shale	1,835
Salt	1,875
Gypsum, grey, and brown lime	1,910
Brown and grey lime	2,015

Show of gas at 150 feet.
Fresh water at 195 feet; sulphur water at 625 to 630 feet; black water at 775 feet; black sulphur water at 1,020 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION
H. and G. Innes No. 1, lot A, con. V, Sombra tp.
Driller: Stover and Rawlings.
Completed November 1, 1947.
Dry hole.

Formation	Depth, ft.
Surface	147
Black shale	373
Grey lime and soap	435
Soap	530
Lime and soap	590
Brown lime	993
Grey lime	1,048
Grey and brown lime	1,130
Brown lime	1,160
Brown and blue lime	1,280
Blue and grey lime	1,341
Blue and brown lime	1,378
Grey and brown lime	1,451
Grey lime	1,509
Blue lime	1,527
Grey and blue lime	1,575
Blue lime	1,580
Salt and lime	1,790
Brown lime	1,841
Blue lime	1,911
Grey lime	1,940
Salt	1,981
Brown lime	2,092
Gypsum and lime	2,165

Fresh water at 147 feet; salt water at 698 and 1,981 to 1,999 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

B. Johnston No. 1, lot 10, con. VI, Sombra tp.

Driller: C. Carter.
Completed February 22, 1947.
Producing gas well.
Rock pressure: 840 lbs.

Formation	Depth, ft.
Surface	120
Black shale	135
Soap	160
Black shale	280
Soap and lime shell	365
Lime and soap	490
Brown lime	810
Brown lime and gypsum	914
Brown and grey lime	1,000
Brown lime and gypsum	1,100
Blue lime	1,105
Brown lime and shale	1,293
Brown and grey lime	1,330
Brown and grey lime and gypsum	1,365
Brown lime and shale	1,394
Shale, gypsum, and brown lime	1,443
Salt	1,536
Salt and lime shell	1,660
Hard brown lime	1,735
Grey lime and shale	1,760
Grey lime, shale, and gypsum	1,800
Salt	1,845
Brown and grey lime	1,879

Gas at 1,852 to 1,860 feet.
Fresh water at 120 feet; sulphur water at 585 to 590, 605 to 610, and 810 to 815 feet; salt water at 1,090 feet.

IMPERIAL OIL LTD., EASTERN CANADA EXPLORATION

J. T. Johnston No. 1, lot 8, con. V, Sombra tp.

Driller: C. Carter.
Completed May 31, 1947.
Producing gas and oil well.
Rock pressure: 825 lbs.

Formation	Depth, ft.
Surface	125
Soap	160
Shale	295
Brown lime	300
Soap and lime	500
Brown lime and gypsum	895
Grey and brown lime	980
Brown lime	1,070
Shale	1,090
Hard brown lime	1,110
Grey lime and shale	1,130
Brown and grey lime	1,380
Grey lime and shale	1,390
Shale	1,420
Lime and salt	1,440
Salt	1,540
Salt and lime shell	1,680
Brown lime	1,735
Brown lime and shale	1,760
Grey lime, shale, and gypsum	1,830
Salt	1,865
Lime	1,868
Brown lime	1,907

Gas at 135 and 1,882 feet.
Oil at 1,868 and 1,870 feet.
Salt water at 610, 625, 690, and 990 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

J. Johnston No. 1, lot 10, con. V, Sombra tp.

Driller: C. Carter.
Completed December 22, 1947.
Producing oil well.

Formation	Depth, ft.
Surface	104
Soap	135
Black shale	295
Lime	335
Soap	488
Brown lime	885
Sharp sand	990
Brown lime	1,041
Brown lime and gypsum	1,061
Grey lime and gypsum	1,098
Grey lime and shale	1,175
Shale and gypsum	1,225
Brown lime	1,302
Lime and shale	1,445
Salt and lime	1,650
Brown lime	1,660
Salt and lime	1,690
Brown lime	1,758
Grey lime	1,809
Salt	1,841
Lime and gypsum	1,851
Brown lime	1,860
Brown lime and gypsum	1,890

Oil at 1,851 to 1,857 feet.
Gas at 1,844 to 1,946 feet.
Sulphur water at 595 feet; salt water at 740 and 1,015 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

J. T. Johnston No. 2, lot 8, con. V, Sombra tp.

Driller: C. Carter.
Completed October 24, 1947.
Dry hole.

Formation	Depth, ft.
Surface	125
Soap	145
Black shale	295
Grey lime and shale	350
Soap	452
Lime	462
Soap	495
Brown and grey lime	1,060
Grey lime and shale	1,100
Shale	1,105
Grey and brown lime and shale	1,430
Salt	1,505
Lime	1,510
Salt	1,680
Brown lime	1,775
Blue lime	1,795
Lime	1,830
Salt	1,872
Lime	1,883
Brown lime	1,975
Grey lime	1,992

Salt water at 610, 660, 990, and 1,990 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

P. Johnston No. 1, lot 9, con. VI, Sombra tp.

Driller: Stubble and Stubble.
Completed May 16, 1947.
Dry hole.

Formation	Depth, ft.
Surface	136
Brown shale	290
Top rock	360
Soap	460
Middle lime	474
Soap and shell	555
Brown lime	947
Brown and grey lime	1,056
Brown lime	1,075
Brown and blue lime	1,370
Blue shale and lime	1,435
Brown and blue lime	1,442
Salt and lime shell	1,626
Brown lime	1,733
Dark-grey lime	1,833
Salt	1,877
Brown lime and gypsum	1,886
Brown lime	1,985
Grey lime	2,000
Brown lime	2,012

Show of gas at 135 feet.
Show of oil at 1,877 to 1,887 feet.
Fresh water at 130 feet; salt water at 615 to 640, 1,940, and 2,010 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

W. Jones No. 1, lot 6, con. V, Sombra tp.

Driller: Stubble and Stubble.
Completed September 13, 1947.
Producing gas well.
Rock pressure: 855 lbs.

Formation	Depth, ft.
Surface	105
Soap	165
Brown shale	334
Brown lime	378
Soap	490
Lime	502
Soap	538
Brown lime	900
Brown and grey lime	1,020
Brown and blue lime	1,172
Blue lime and shale	1,244
Brown and blue lime	1,268
Brown lime	1,315
Blue and brown lime	1,402
Blue lime and shale	1,439
Blue lime	1,469
Salt and lime	1,538
Salt	1,600
Salt and lime	1,647
Brown lime	1,709
Dark-grey lime	1,802
Salt	1,837
Gypsum	1,843
Brown lime	1,870

Gas at 1,844 to 1,868 feet.
Black water at 649 to 665 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

J. Jones No. 1, lot 16, con. VI, Sombra tp.

Driller: R. McPherson.
Completed March 27, 1947.
Dry hole.

Formation	Depth, ft.
Surface	70
Black shale	270
Soap	280
Brown lime	290
Shale and soap	320
Soap	430
Lime	442
Soap	478
Brown lime	910
Brown and grey lime	943
Brown lime	1,048
Blue and brown lime and shale	1,428
Salt	1,618
Brown lime	1,725
Blue lime	1,769
Salt	1,798
Brown lime	1,905
Grey lime	1,941
Brown lime	1,964

Show of gas at 70 feet.
Show of oil at 1,960 feet.
Fresh water at 70 feet; salt water at 517 and 1,960 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

W. G. Kellett No. 1, lot 21, con. IX, Sombra tp.

Driller: Stubble and Stubble.
Completed August 1, 1947.
Dry hole.

Formation	Depth, ft.
Surface	90
Brown shale	110
Soap	170
Brown shale	313
Top rock	380
Soap	480
Middle lime	498
Soap	531
Brown lime	915
Brown and grey lime	1,055
Blue and grey lime	1,079
Brown lime	1,113
Brown lime and shale	1,216
Brown and blue lime	1,440
Brown lime and salt	1,450
Grey lime	1,460
Salt and lime shell	1,660
Brown lime	1,727
Dark-grey lime	1,806
Salt	1,855
Gypsum	1,860
Brown and grey lime	2,060

Fresh water at 90 feet; salt water at 620, 660, 675, 1,008, 2,005, and 2,060 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

F. McCreary No. 2, lot 21, con. VI, Sombra tp.

Driller: Stover and Rawlings.
Completed April 28, 1947.
Dry hole.

Formation	Depth, ft.
Surface	62
Black shale	75
Soap and shale	175
Shale	270
Shale and lime	325
Soap	427
Lime	445
Soap	475
Lime	508
Grey and brown lime	950
Flint	975
Grey and brown lime	1,140
Blue shale	1,205
Brown lime	1,285
Grey lime	1,360
Lime and shale	1,440
Salt and lime	1,598
Brown lime	1,700
Blue shale	1,715
Grey lime	1,760
Salt and lime	1,780
Grey and brown lime	1,980

Salt water at 600 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

T. and F. McEvoy No. 1, lot 6, con. V, Sombra tp.

Driller: R. McPherson.
Completed September 11, 1947.
Producing oil well.

Formation	Depth, ft.
Surface	147
Black shale	300
Brown lime and soap	350
Soap	420
Lime	450
Soap and brown lime	490
Brown lime	970
Grey lime	1,002
Brown lime	1,098
Blue shale	1,115
Brown lime	1,137
Blue shale	1,213
Blue lime	1,246
Brown lime	1,297
Blue shale and brown lime	1,438
Brown lime	1,484
Brown lime and salt	1,496
Salt	1,695
Brown lime and salt	1,707
Brown lime	1,773
Blue lime	1,825
Grey lime	1,860
Salt and lime shell	1,871
Salt	1,907
Brown and grey lime	1,926

Oil at 1,911 to 1,913 and 1,916 to 1,926 feet.
Gas at 1,916 to 1,926 feet.
Fresh water at 130 feet; salt water at 515, 590, and 716 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

T. and F. McEvoy No. 2, lot 6, con. V, Sombra tp.

Driller: R. McPherson.
Completed October 23, 1947.
Producing oil well.

Formation	Depth, ft.
Surface	142
Grey shale	160
Black shale	290
Grey lime	316
Brown lime and shale	351
Soap	420
Grey lime	428
Soap	49[illegible]
Grey lime	500
Brown lime	955
Grey lime	987
Brown lime	1,040
Blue lime	1,105
Brown lime	1,130
Blue lime	1,242
Brown and blue lime	1,457
Salt	1,470
Brown lime	1,480
Brown lime and salt	1,705
Brown lime	1,757
Brown lime and gypsum	1,859
Salt	1,893
Gypsum	1,900
Gypsum and brown lime	1,905
Grey lime	1,908
Brown lime	1,925

Oil at 1,900 to 1,925 feet.
Gas at 1,900 to 1,925 feet.
Salt water at 598, 796, and 920 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

T. and F. McEvoy No. 3, lot 6, con. V, Sombra tp.

Driller: R. McPherson.
Completed November 28, 1948.
Dry hole.

Formation	Depth, ft.
Surface	142
Black shale	350
Soap	437
Lime	467
Soap	490
Brown lime	748
Grey lime	760
Brown lime	1,079
Blue and brown lime	1,124
Blue shale	1,256
Brown lime	1,307
Blue shale	1,326
Brown and blue lime	1,477
Blue lime and salt	1,493
Salt	1,680
Brown lime and salt	1,690
Brown lime	1,82[illegible]
Grey lime	1,843
Brown lime and gypsum	1,853
Brown lime and salt	1,865
Salt	1,972

Fresh water at 142 feet; salt water at 624 and 679 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORA[illegible]

G. Payne No. 1, lot 3, con. V, Sombra tp.

Driller: W. McKillop.
Completed July 18, 1947.
Dry hole.

Formation	Depth, ft.
Surface	138
Black shale	179
Black shale and soap	229
Black shale	349
Blue and black shale	358
Black shale	364
Blue and black shale	37[illegible]
Black shale	386
Blue and black shale	397
Lime	411
Lime and soap	412

Fresh water at 136 feet.

R. W. Avery

G. Muxlow No. 1, lot 22, con. VI, Plympton tp.

Driller: C. Demaray.
Completed June 18, 1948.
Dry hole.

Formation	Depth, ft.
Surface	109
Black shale	168
Soap	174
Lime and soap	250
Soap	398
Middle lime	411
Lower soap	460
Dark lime	464
Brown lime	575

Show of gas at 109 and 180 feet.
Fresh water at 109 feet; sulphur water at 575 feet.

R. W. Avery

M. Wilkinson No. 1, lot 24, con. VI, Plympton tp.

Driller: C. Demaray.
Completed May 4, 1948.
Dry hole.

Formation	Depth, ft.
Surface	104
Black shale	166
Soap and lime	397
Middle lime	410
Lower soap	457
Dark lime	463
Buff lime	570

Fresh water at 75 feet; sulphur water at 570 feet.

A. Pearson

A. Pearson No. 1, lot 11, con. VII, Sarnia tp.

Driller: F. Jackson.
Completed June 10, 1948.
Producing gas well.
Rock pressure: 50 lbs.

Formation	Depth, ft.
Surface	120
Black shale	125
Top lime	245
Upper soap	372
Middle lime	377
Lower soap	436
Lower lime	525

Gas at 520 feet.
Salt water at 130 feet.

Imperial Oil, Ltd., Eastern Canada Exploration

M. Cranston No. 3, lot 11, con. VI, Sombra tp.

Driller: R. McMaster and Sons.
Completed June 14, 1948.
Dry hole.

Formation	Depth, ft.
Surface	134
Grey shale	144
Grey lime	220
Brown lime	251
Brown shale	297
Brown and grey lime	348
Soap	455
Blue lime	508
Brown lime	710
Brown lime and gypsum	724
Brown lime	1,089
Blue and brown lime and gypsum	1,154
Blue lime and gypsum	1,247
Brown and blue lime	1,354
Brown lime and gypsum	1,376
Blue lime and gypsum	1,418
Blue and brown lime	1,452
Salt and lime	1,600
Salt	1,677
Brown lime	1,741
Grey lime and shale	1,820
Lime and gypsum	1,827
Brown lime and salt	1,834
Salt	1,875
Salt and gypsum	1,879
Gypsum and brown lime	1,885
Brown and grey lime	1,930

Fresh water at 127 feet; salt water at 625 to 630 feet.

Imperial Oil, Ltd., Eastern Canada Exploration

P. and G. De Kort No. 5, lot 7, con. V, Sombra tp.

Driller: C. Carter.
Completed March 19, 1948.
Producing oil well.

Formation	Depth, ft.
Surface	100
Soap and shale	297
Lime and soap	495
Brown and grey lime	1,100
Blue shale and gypsum	1,256
Grey lime and shale	1,260
Blue shale and gypsum	1,317
Brown lime	1,390
Blue shale and lime	1,460
Salt and lime	1,470
Salt	1,685
Brown lime and salt	1,710
Brown lime	1,762
Grey lime	1,843
Lime and gypsum	1,850
Salt and gypsum	1,902
Blue, brown, and grey lime	1,960

Oil at 1,911 to 1,919 feet.
Show of gas at 1,903 to 1,905 and 1,911 to 1,919 feet.
Salt water at 620 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

A. and A. Dell No. 1, lot 14, con. IX, Sombra tp.

Driller: J. Ashton.
Completed April 23, 1948.
Dry hole.

Formation	Depth, ft.
Surface	120
Black shale	160
Soap	205
Black shale	420
Soap and lime	593
Brown lime	942
Brown, grey, and blue lime	1,164
Blue lime and gypsum	1,179
Brown lime	1,185
Blue, grey, and brown lime	1,458
Grey lime	1,500
Grey lime and salt	1,512
Salt	1,688
Brown lime	1,784
Dark-grey lime	1,840
Salt	1,905
Brown lime	1,947
Grey lime	2,064

Fresh water at 120 feet; salt water at 672, 690, and 2,063 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

J. De Weyn No. 1, lot 6, con. V, Sombra tp.

Driller: C. Carter.
Completed June 24, 1948.
Dry hole.

Formation	Depth, ft.
Surface	128
Soap	163
Black shale	290
Lime and soap	458
Grey and brown lime	1,100
Blue shale and gypsum	1,123
Grey lime	1,200
Blue shale, gypsum, and brown lime	1,257
Brown lime	1,385
Blue shale and brown lime	1,455
Salt and lime	1,475
Salt	1,485
Lime and salt	1,511
Salt	1,677
Salt and lime	1,710
Brown lime	1,798
Blue lime	1,838
Salt	1,881
Brown lime	1,930

Show of oil at 1,892 and 1,902 to 1,907 feet.
Show of gas at 1,893 feet.
Fresh water at 128 feet; salt water at 610 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

J. Gibson No. 1, lot 30, con. VI, Sombra tp.

Driller: R. McPherson.
Completed January 27, 1948.
Dry hole.

Formation	Depth, ft.
Surface	73
Black shale	365
Brown lime	428
Soap and lime	580
Brown and blue lime	1,410
Grey and blue lime	1,495
Blue shale	1,550
Brown lime	1,580
Salt	1,590
Brown lime	1,740
Brown lime and salt	1,752
Salt	1,770
Brown lime	1,961
Grey lime	2,003

Show of gas at 74 feet.
Fresh water at 74 feet; salt water at 700 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

B. Graham No. 1, lot 9, con. IX, Sombra tp.

Driller: Stubble and Stubble.
Completed November 26, 1948.
Dry hole.

Formation	Depth, ft.
Surface	132
Brown shale	186
Blue shale	216
Brown shale	448
Soap and lime	606
Brown lime	908
Brown and grey lime	1,157
Brown and blue lime	1,280
Blue lime and gypsum	1,383
Brown and blue lime	1,632
Brown lime and salt	1,707
Brown lime	1,737
Brown and blue lime	1,830
Brown and grey lime	1,846
Brown lime and salt	1,868
Salt	1,923
Brown lime	2,021
Brown and grey lime and gypsum	2,048
Brown and grey lime	2,100

Fresh water at 122 feet; salt water at 701 to 708, 726 to 736, 2,040 to 2,048 and 2,054 to 2,062 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

P. Griffith No. 1, lot 8, con. VI, Sombra tp.

Driller: Stover and Rawlings.
Completed December 10, 1948.
Producing oil well.

Formation	Depth, ft.
Surface	130
Shale and soap	362
Soap and lime	498
Brown lime	870
Brown, grey, and blue lime	1,110
Blue and brown lime	1,447
Salt and lime	1,700
Brown lime	1,765
Blue lime	1,844
Salt	1,881
Lime, gypsum, and salt	1,889
Brown lime	1,924

Oil at 1,887 to 1,891 and 1,893 to 1,904 feet.
Show of gas at 1,887 to 1,891 and 1,893 to 1,904 feet.
Salt water at 618 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

G. Huey No. 1, lot 22, con. VI, Sombra tp.

Driller: H. Evans.
Completed April 12, 1948.
Dry hole.

Formation	Depth, ft.
Surface	61
Black shale	83
Soap	101
Black shale	280
Lime and soap	484
Lime	1,330
Lime and shale	1,425
Lime and salt	1,600
Lime	1,685
Lime and black shale	1,730
Lime and salt	1,775
Lime	1,784
Brown lime	1,900
Grey lime	1,934

Show of gas at 61 and 1,908 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

R. and V. Johnston No. 2, lot 10, con. VI, Sombra tp.

Driller: Stover and Rawlings.
Completed July 9, 1948.
Dry hole.

Formation	Depth, ft.
Surface	145
Black shale	260
Lime and soap	500
Brown lime	850
Brown and blue lime	1,123
Blue lime and shale	1,205
Brown lime	1,350
Brown and blue lime	1,425
Lime and shale	1,435
Salt and lime	1,670
Brown and blue lime	1,832
Salt	1,865
Salt and gypsum	1,868
Salt, gypsum, and lime	1,871
Brown lime	1,911

Show of oil at 1,868 to 1,872 feet.
Show of gas at 1,871 feet.
Fresh water at 135 feet; salt water at 505 and 630 to 650 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

R. and V. Johnston No. 3, lot 9, con. VI, Sombra tp.

Driller: R. McMaster and Sons.
Completed October 20, 1948.
Producing oil well.

Formation	Depth, ft.
Surface	160
Black shale	168
Soap	178
Black shale	290
Grey lime	350
Soap	440
Soap and shale	445
Brown lime	475
Soap	500
Brown, grey, and blue lime	1,155
Shale and gypsum	1,190
Lime and shale	1,250
Grey lime	1,282
Brown lime	1,460
Salt	1,620
Lime	1,630
Salt	1,650
Brown and blue lime	1,840
Salt	1,887
Lime	1,930

Oil at 1,887 feet.
Show of gas at 150 and 1,887 feet.
Fresh water at 150 feet; salt water at 645 to 650 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

R. and V. Johnston No. 4, lot 9, con. VI, Sombra tp.

Driller: R. McMaster and Sons.
Completed December 10, 1948.
Producing oil well.

Formation	Depth, ft.
Surface	155
Soap, black shale, and lime	260
Soap	440
Lime	475
Soap	505
Brown lime	720
Grey lime	805
Brown lime	844
Grey lime and gypsum	906
Grey lime	960
Brown lime	1,075
Blue lime	1,095
Lime and shale	1,180
Blue and brown lime	1,455
Salt	1,680
Brown lime	1,835
Salt	1,870
Brown lime	1,879
Grey lime	1,923

Oil at 1,871 to 1,877 and 1,880 to 1,888 feet.
Show of gas at 1,871 to 1,877 and 1,880 to 1,888 feet.
Fresh water at 147 feet; salt water at 620 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

W. McGee No. 1, lot 12, con. IX, Sombra tp.

Driller: J. Ashton.
Completed February 24, 1948.
Dry hole.

Formation	Depth, ft.
Surface	133
Black shale	166
Soap	226
Shale	467
Soap and lime	657
Grey lime	680
Brown and grey lime	783
Brown lime	880
Brown lime and gypsum	916
Brown and grey lime	958
Brown lime	1,148
Grey lime	1,287
Brown lime	1,363
Grey and brown lime	1,396
Blue lime	1,414
Grey and brown lime and gypsum	1,421
Brown, blue, and grey lime	1,509
Brown and grey lime	1,527
Brown lime	1,639
Grey lime	1,770
Brown lime	1,882
Grey lime	1,918
Brown lime	2,128
Grey lime	2,190

Show of gas at 235 feet.
Fresh water at 132 feet; salt water at 330, 800, 850, 1,954 to 1,960, and 1,988 to 1,994 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

W. McGee No. 2, lot 12, con. IX, Sombra tp.

Driller: C. Carter.
Completed August 31, 1948.
Dry hole.

Formation	Depth, ft.
Surface	132
Black shale	188
Soap	235
Black shale	385
Soap	395
Grey lime	420
Shale and lime	455
Grey lime and soap	505
Soap	628
Grey lime and soap	720
Brown lime	1,302
Grey lime	1,370
Blue shale	1,435
Blue shale and gypsum	1,464
Brown lime and shale	1,597
Blue shale	1,723
Salt	1,730
Brown lime	1,933
Gypsum	1,940
Brown lime	2,063
Grey lime and gypsum	2,082
Brown lime	2,104
Grey lime	2,145

Fresh water at 132 feet; salt water at 815 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

H. Sheller No. 1, lot 5, con. V, Sombra tp.

Driller: Stover and Rawlings.
Completed January 14, 1948.
Dry hole.

Formation	Depth, ft.
Surface	139
Grey shale	175
Black shale	280
Lime and soap	507
Brown lime	1,107
Blue and brown lime	1,159
Blue lime and shale	1,238
Blue and brown lime	1,480
Salt and brown lime	1,691
Brown lime	1,710
Grey lime	1,807
Blue shale	1,855
Salt and lime	1,911
Lime, gypsum, and salt	1,912
Brown and blue lime	1,936
Brown lime	1,985

Fresh water at 139 feet; sulphur water at 615 feet; salt water at 1,975 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

G. Van Damme No. 1, lot 12, con. V, Sombra tp.

Driller: Stover and Rawlings.
Completed April 15, 1948.
Producing gas well.
Rock pressure: 820 lbs.

Formation	Depth, ft.
Surface	115
Shale	180
Shale and soap	430
Soap and lime	485
Brown lime	862
Grey lime	952
Brown lime	1,035
Blue and brown lime	1,310
Blue lime and shale	1,402
Salt and lime	1,628
Brown lime	1,700
Blue shale	1,783
Salt	1,826
Brown lime	1,880

Gas at 1,827 to 1,832 feet.
Fresh water at 115 feet; sulphur water at 584 and 660 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

T. Gavigan No. 1, lot 7, con. III, S.E.R., Warwick tp.

Driller: Kiser Bros.
Completed October 6, 1948.
Dry hole.

Formation	Depth, ft.
Surface	30
Brown shale	150
Soap	305
Brown lime	323
Soap	366
Brown and grey lime and gypsum	1,016
Brown and blue lime and gypsum	1,185
Brown and grey lime	1,226
Brown lime and salt	1,321
Brown and grey lime	1,362
Brown lime and salt	1,440
Salt	1,452
Grey shale	1,464
Brown lime	1,470
Grey shale and lime	1,517
Brown and grey lime	1,541
Brown lime and salt	1,878
Brown and grey lime	1,914
Blue shale	1,926
Brown and grey lime	1,950
Grey lime and salt	1,956
Salt	2,010
Brown lime	2,142
Dark lime and gypsum	2,148
Grey and brown lime	2,178

Salt water at 492 and 2,166 to 2,178 feet.

WILSON-SULLIVAN DEVELOPMENT CO., LTD.

O. Brown No. 2, lot 25, con. VI, S.E.R., Warwick tp.

Driller: J. Maxwell.
Completed November 19, 1948.
Dry hole.

Formation	Depth, ft.
Surface	119
Top rock	177
Top soap	318
Middle lime	338
Lower soap	362
Big lime	485

Show of oil at 336 and 430 feet.
Fresh water at 118 feet.

WILSON-SULLIVAN DEVELOPMENT CO., LTD.

C. Killen No. 1, lot 8, con. II, S.E.R., Warwick tp.

Driller: J. Maxwell.
Completed January 20, 1948.
Dry hole.

Formation	Depth, ft.
Surface	19
Black shale	63
Top rock	100
Soap	120
Lime and soap	145
Soap	280
Middle lime	301
Lower soap	337
Dark-grey lime	344
Brown lime	445

Show of oil at 409 feet.
Fresh water at 19 feet; sulphur water at 409 feet.

Lincoln County

GRIMSBY NATURAL GAS CO., LTD.

C. McCready No. 1, lot 7, con. IV, Caistor tp.

Driller: E. Ricker.
Completed January 27, 1948.
Producing gas well.
Rock pressure: 169 lbs.

Formation	Depth, ft.
Surface	63
Shale	88
Niagara	258
Lime and shale	278
Shale	326
Clinton	351
Red Medina	391
Shale	451
White Medina	462
Red shale	502

Gas at 342, 368, and 458 feet.
Fresh water at 60 and 68 feet.

GRIMSBY NATURAL GAS CO., LTD.

C. McCready No. 2, lot 7, con. IV, Caistor tp.

Driller: E. Ricker.
Completed June 12, 1948.
Producing gas well.
Rock pressure: 165 lbs.

Formation	Depth, ft.
Surface	60
Lime and shale	80
Niagara	255
Shale	323
Clinton	351
Red Medina	384
Grey shale	448
White Medina	457
Red shale	500

Gas at 328, 341, 366, and 454 feet.
Fresh water at 59 and 80 feet; black water at 150 and 240 feet.

UNION GAS CO. OF CANADA, LTD.

O. and W. Parry No. 1, lot 6, con. II, Moore tp.

Driller: Kiser Bros.
Completed September 26, 1949.
Dry hole.

Formation	Depth, ft.
Surface	95
Black shale	195
Top rock	265
Soap	378
Middle lime	390
Soap and shell	440
Brown lime	874
Sharp sand	1,030
Brown and grey lime	1,110
Lime and gypsum	1,186
Brown, blue, and grey lime	1,404
Grey lime and salt	1,422
Brown lime	1,427
Grey lime and salt	1,436
Grey, brown, and blue lime	1,520
Salt and shell	1,785
Brown and grey lime	1,922
Salt	2,015
Brown and grey lime	2,190

Fresh water at 100 feet; sulphur water at 560 and 600 feet; salt water at 2,185 to 2,190 feet.

UNION GAS CO. OF CANADA, LTD.

J. and S. Potter No. 1, lot 7, con. III, Moore tp.

Driller: Kiser Bros.
Completed February 12, 1949.
Dry hole.

Formation	Depth, ft.
Surface	112
Brown shale	192
Top rock	268
Soap	390
Middle lime	404
Soap	446
Grey and brown lime	881
Sharp sand	1,059
Brown and grey lime	1,137
Grey lime and gypsum	1,271
Brown and blue lime	1,450
Salt and brown lime	1,468
Grey lime and salt	1,487
Brown and grey lime	1,546
Salt	1,793
Brown, grey, and blue lime	1,931
Salt	2,026
Brown and grey lime	2,218

Sulphur water at 635 feet; salt water at 2,175 to 2,181 feet.

R. MACKINLAY

R. Mackinlay No. 1, lot 19, con. X, Plympton tp.

Driller: R. McGaffey.
Completed August 20, 1949.
Dry hole.

Formation	Depth, ft.
Surface	60
Hard pan	100
Black shale	166
Top rock	245
Upper soap	415
Middle lime	420
Lower soap	488
Black streak	490
Big lime	579

Show of oil at 498 feet.
Fresh water at 104 feet; sulphur water at 498 feet.

M. WELLINGTON

M. Wellington No. 1, lot 10, con. IX, Plympton tp.

Driller: F. Jackson.
Completed May 31, 1949.
Dry hole.

Formation	Depth, ft.
Surface	103
Black shale	166
Top lime	266
Lime and soap	416
Middle lime	421
Lower soap	483
Black streak	488
Delaware	623

Show of gas at 570 feet.
Fresh water at 118 feet; salt water at 573 feet.

CAMLACHIE OIL EXPLORATIONS, LTD.

J. Lamont No. 1, lot 5, con. "A," Sarnia tp.

Driller: W. Hussey.
Completed August 1, 1949.
Dry hole.

Formation	Depth, ft.
Surface	100
Black shale	200
Top rock	260
Soap	510
Lower lime	524

Fresh water at 215 feet.

CAMLACHIE OIL EXPLORATIONS, LTD.

E. Lusk No. 1, lot 7, con. "A," Sarnia tp.

Driller: W. Hussey.
Completed September 25, 1949.
Dry hole.

Formation	Depth, ft.
Surface	100
Black shale	200
Top rock	260
Soap	510
Lower lime	515

Fresh water at 215 feet.

F. W. JACKSON

F. Jackson No. 1, lot 9, con. VI, Sarnia tp.

Driller: F. Jackson.
Completed January 22, 1949.
Dry hole.

Formation	Depth, ft.
Surface	153
Top lime	223
Upper soap	348
Middle lime	353
Lower soap	413
Big lime	558

Fresh water at 155 feet; salt water at 513 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

C. and E. De Jonghe No. 1, lot 5, con. V, Sombra tp.

Driller: Stubble and Stubble.
Completed March 17, 1949.
Producing oil well.

Formation	Depth, ft.
Surface	130
Soap	171
Brown and blue lime	362
Soap and lime	516
Brown and grey lime	1,107
Brown and blue lime	1,257
Brown and blue lime and gypsum	1,338
Brown and blue lime	1,361
Brown lime	1,385
Brown and blue lime	1,490
Salt and brown lime	1,502
Brown and grey lime	1,510
Salt and lime	1,720
Brown lime	1,790
Brown and grey lime	1,840
Brown and grey lime and gypsum	1,870
Salt	1,910
Brown lime	1,950

Oil at 1,910 to 1,915 and 1,920 to 1,934 feet.
Show of gas at 120 and 1,911 to 1,915 feet.
Salt water at 640 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

C. and E. De Jonghe No. 2, lot 5, con. V, Sombra tp.

Driller: R. McMaster and Sons.
Completed August 8, 1949.
Producing oil well.

Formation	Depth, ft.
Surface	133
Black and grey shale	317
Grey lime and shale	377
Lime and soap	524
Brown lime	558
Brown lime and gypsum	613
Grey and brown lime	655
Water sand	700
Brown and grey lime, flint, and gypsum	1,139
Blue and brown lime and gypsum	1,317
Brown and blue lime	1,518
Salt and lime	1,730
Brown lime	1,875
Salt	1,918
Brown and grey lime	1,960

Oil at 1,920 to 1,923 and 1,925 to 1,945 feet.
Show of gas at 1,922 feet.
Fresh water at 127 feet; salt water at 625 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

C. and E. De Jonghe No. 3, lot 5, con. V, Sombra tp.

Driller: R. McMaster and Sons.
Completed October 12, 1949.
Producing oil well.

Formation	Depth, ft.
Surface	135
Grey shale	185
Brown shale	324
Blue and brown lime	385
Soap and lime	536
Brown and grey lime	770
Brown lime and gypsum	880
Brown lime	910
Grey lime	1,138
Brown and blue lime	1,185
Brown and blue lime and gypsum	1,297
Brown and blue lime	1,510
Salt and shale	1,540
Salt	1,580
Lime and salt	1,590
Salt	1,700
Salt and gypsum	1,725
Brown lime	1,800
Blue lime	1,864
Brown lime and gypsum	1,874
Gypsum	1,895
Salt	1,920
Gypsum	1,925
Brown lime	1,967

Oil at 1,927 to 1,937 feet.
Fresh water at 126 feet; salt water at 605 to 615 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

P. and G. De Kort No. 6, lot 8, con. V, Sombra tp.

Driller: C. Carter.
Completed February 17, 1949.
Producing oil well.

Formation	Depth, ft.
Surface	98
Soap	155
Black shale	165
Soap and lime	170
Black shale	260
Soap and lime	345
Soap	500
Brown lime	507
Grey lime	937
Brown lime	1,150
Blue shale and gypsum	1,255
Brown lime	1,370
Brown lime and gypsum	1,410
Blue shale	1,476
Salt and lime	1,700
Brown lime	1,935

Oil at 1,897 feet.
Show of gas at 1,905 feet.
Salt water at 612 and 1,100 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

J. De Weyn No. 2, lot 6, con. V, Sombra tp.

Driller: Stover and Rawlings.
Completed July 27, 1949.
Dry hole.

Formation	Depth, ft.
Surface	177
Black and brown shale	285
Brown lime	315
Soap and lime	505
Lime	975
Flint	1,018
Grey lime	1,470
Salt and lime	1,700
Brown lime	1,855
Salt and lime	1,900
Brown lime	1,942

Show of oil at 1,905 feet.
Salt water at 580 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

H. and L. Gibbons No. 1, lot 12, con. VII, Sombra tp.

Driller: Stover and Rawlings.
Completed February 7, 1949.
Producing gas well.
Rock pressure: 825 lbs.

Formation	Depth, ft.
Surface	118
Shale	315
Soap and lime	518
Brown lime	970
Grey lime	1,060
Brown lime	1,190
Blue lime	1,310
Brown lime	1,410
Brown and blue lime	1,510
Salt	1,625
Salt and lime	1,635
Brown lime	1,716
Blue lime	1,785
Blue and grey lime	1,792
Salt	1,828
Blue and brown lime	1,880

Gas at 1,837 to 1,851 feet.
Fresh water at 130 feet; salt water at 620 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

N. Grant No. 1, lot 11, con. VII, Sombra tp.

Driller: Stover and Rawlings.
Completed April 21, 1949.
Dry hole.

Formation	Depth, ft.
Surface	118
Shale and soap	319
Lime and soap	539
Brown lime	1,132
Blue lime and shale	1,284
Brown lime	1,361
Brown and blue lime	1,482
Salt and lime	1,652
Brown lime	1,717
Blue lime	1,810
Salt	1,856
Lime and gypsum	1,859
Brown and grey lime	2,021

Show of gas at 1,991 to 1,996 feet.
Show of oil at 1,994 to 2,012 feet.
Fresh water at 118 feet; salt water at 640, 1,916, and 2,022 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

P. Griffith No. 2, lot 8, con. VI, Sombra tp.

Driller: R. McMaster and Sons.
Completed January 19, 1949.
Producing oil well.

Formation	Depth, ft.
Surface	130
Grey shale	146
Black shale	286
Brown lime and blue shale	342
Brown lime	460
Soap	495
Brown lime	900
Brown and grey lime	1,000
Blue lime and gypsum	1,120
Brown lime	1,129
Blue lime and gypsum	1,228
Brown and blue lime	1,435
Brown lime and salt	1,442
Salt	1,692
Brown lime	1,770
Grey lime	1,830
Gypsum and lime	1,837
Salt	1,887
Gypsum	1,892
Brown lime	1,920
Grey lime	1,931

Oil at 1,892 to 1,900 feet.
Show of gas at 1,892 to 1,900 feet.
Fresh water at 128 feet; salt water at 590 to 610 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

P. Griffith No. 3, lot 8, con. VI, Sombra tp.

Driller: R. McMaster and Sons.
Completed February 22, 1949.
Dry hole.

Formation	Depth, ft.
Surface	128
Grey and black shale	303
Lime and shale	358
Soap	451
Blue lime	511
Brown lime	800
Brown lime and gypsum	820
Brown and grey lime	1,110
Blue and brown lime and gypsum	1,230
Brown lime	1,260
Brown and blue lime and gypsum	1,380
Brown lime	1,400
Blue and brown lime and gypsum	1,447
Salt and lime	1,510
Salt	1,705
Brown lime	1,775
Grey lime	1,830
Brown lime and gypsum	1,848
Salt	1,894
Gypsum	1,900
Brown lime	1,911
Grey lime	1,954

Fresh water at 120 feet; salt water at 612 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

A. Hay No. 2, lot 10, con. VI, Sombra tp.

Driller: R. McMaster and Sons.
Completed August 11, 1949.
Producing oil well.

Formation	Depth, ft.
Surface	130
Grey shale	160
Black shale	220
Brown shale	290
Brown lime and grey shale	350
Soap and lime	500
Blue and brown lime	505
Brown lime	610
Water sand	630
Brown lime	750
Brown and grey lime	820
Brown and grey lime and gypsum	835
Sharp grey and brown lime	1,100
Brown lime, gypsum, and blue shale	1,214
Brown lime	1,370
Blue lime and shale	1,445
Salt	1,630
Salt and lime	1,662
Brown lime	1,725
Grey lime	1,808
Lime and gypsum	1,828
Salt and gypsum	1,877
Brown and grey lime	1,922

Oil at 1,885 to 1,887 feet.
Show of gas at 1,875 to 1,877 feet.
Fresh water at 126 feet; salt water at 610 to 630 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

S. Horner No. 1, lot 16, con. XII, Sombra tp.

Driller: C. Carter.
Completed June 16, 1949.
Dry hole.

Formation	Depth, ft.
Surface	128
Black shale	155
Soap	200
Black shale	330
Grey lime and soap	400
Soap	500
Grey lime and soap	560
Brown lime	735
Brown lime and gypsum	805
Grey lime	941
Brown lime	1,155
Brown lime, shale, and gypsum	1,425
Brown lime	1,446
Shale	1,535
Salt and shale	1,540
Salt	1,560
Grey lime and salt	1,775
Brown lime	1,850
Grey lime	1,900
Grey lime and gypsum	1,923
Salt	1,984
Salt and gypsum	1,991
Brown lime	2,110
Grey and brown lime	2,180

Show of oil at 2,130 to 2,135 feet.
Fresh water at 125 feet; salt water at 665, 715, 1,082, and 2,130 to 2,145 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

A. and E. James No. 1, lot 17, con. X, Sombra tp.

Driller: C. Carter.
Completed September 21, 1949.
Dry hole.

Formation	Depth, ft.
Surface	103
Black shale	133
Soap	190
Black shale	332
Grey lime	390
Soap and lime	570
Brown lime	945
Brown and grey lime	1,095
Brown and blue lime	1,106
Grey lime and gypsum	1,110
Brown lime	1,142
Shale, lime, and gypsum	1,170
Shale and gypsum	1,265
Brown lime	1,298
Brown lime and shale	1,366
Brown lime	1,400
Blue shale	1,462
Shale, salt, and lime	1,470
Brown lime and salt	1,720
Brown lime	1,825
Blue lime	1,840
Lime, shale, and gypsum	1,858
Salt	1,920
Lime and gypsum	1,925
Brown lime	1,975
Black shale	2,047
Grey lime and gypsum	2,055
Brown lime	2,070
Grey lime	2,100

Show of gas at 105 feet.
Show of oil at 1,931 to 1,936 feet.
Fresh water at 103 feet; salt water at 670 to 680, 1,931 to 1,936, and 2,071 to 2,075 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

B. Johnston No. 2, lot 9, con. VI, Sombra tp.

Driller: R. McMaster and Sons.
Completed April 9, 1949.
Producing oil well.

Formation	Depth, ft.
Surface	125
Black and grey shale	356
Soap and lime	503
Brown lime	825
Brown and grey lime and gypsum	1,090
Brown and blue lime and gypsum	1,447
Salt	1,692
Brown and grey lime	1,824
Brown lime and gypsum	1,872
Salt	1,887
Salt and gypsum	1,892
Gypsum	1,896
Brown lime and gypsum	1,901
Grey and brown lime	1,936

Oil at 1,907 to 1,911 feet.
Show of gas at 1,896 feet.
Fresh water at 115 feet; salt water at 610 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

B. Johnston No. 3, lot 8, con. V, Sombra tp.

Driller: R. McMaster and Sons.
Completed November 19, 1949.
Producing oil well.

Formation	Depth, ft.
Surface	122
Lime and shale	280
Soap and lime	492
Blue and brown lime	520
Brown lime	602
Water sand	642
Brown and grey lime	1,062
Brown and blue lime and gypsum	1,445
Salt	1,650
Salt, gypsum, and brown lime	1,670
Brown and grey lime	1,803
Gypsum and lime	1,830
Salt	1,866
Gypsum	1,878
Brown and grey lime	1,916

Oil at 1,874 to 1,875 and 1,885 to 1,890 feet.
Fresh water at 122 feet; salt water at 605 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

B. Johnston No. 4, lot 9, con. VI, Sombra tp.

Driller: Stover and Rawlings.
Completed July 4, 1949.
Producing oil well.

Formation	Depth, ft.
Surface	132
Black shale	280
Lime	330
Soap	445
Lime	463
Soap	495
Brown lime	925
Grey lime	1,050
Brown lime	1,080
Blue lime and gypsum	1,090
Brown, blue, and grey lime	1,175
Brown and blue lime	1,440
Salt	1,457
Salt and lime	1,673
Brown lime	1,715
Brown and grey lime	1,755
Brown and blue lime	1,827
Salt	1,862
Gypsum	1,866
Brown lime	1,903

Oil at 1,866 to 1,871 and 1,882 to 1,889 feet.
Show of gas at 1,867 feet.
Fresh water at 130 feet; salt water at 600 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

H. Johnston No. 2, lot 9, con. V, Sombra tp.

Driller: R. McMaster and Sons.
Completed September 14, 1949.
Producing oil well.

Formation	Depth, ft.
Surface	124
Grey shale	180
Black shale	280
Grey shale and lime	340
Soap	441
Middle lime	451
Soap	490
Brown and grey lime	525
Brown lime	856
Sharp grey lime	1,042
Blue and grey lime	1,112
Blue and brown lime and gypsum	1,260
Brown and blue lime	1,350
Brown and blue lime and gypsum	1,364
Blue lime	1,604
Salt	1,689
Blue lime	1,834
Salt	1,868
Gypsum	1,874
Brown lime	1,906
Grey lime	1,926

Oil at 1,876 to 1,879 and 1,883 to 1,889 feet.
Show of gas at 1,876 to 1,879 and 1,883 to 1,889 feet.
Fresh water at 124 feet; salt water at 585 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

Mrs. J. Johnston No. 2, lot 9, con. VI, Sombra tp.

Driller: R. McMaster and Sons.
Completed February 28, 1949.
Producing oil well.

Formation	Depth, ft.
Surface	102
Soap and grey shale	145
Black shale	300
Grey lime	360
Soap	460
Lime	473
Soap	520
Grey lime	1,047
Grey and blue lime	1,150
Shale and gypsum	1,161
Brown and blue lime	1,460
Salt	1,685
Brown lime	1,730
Brown and blue lime	1,796
Salt	1,840
Brown lime and gypsum	1,904

Oil at 1,863 to 1,869 feet.
Show of gas at 1,863 to 1,869 feet.
Salt water at 560 to 570 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

J. Johnston No. 1, lot 8, con. VII, Sombra tp.

Driller: Stubble and Stubble.
Completed May 5, 1949.
Dry hole.

Formation	Depth, ft.
Surface	130
Brown shale	143
Soap	200
Brown shale	334
Soap	490
Brown lime and soap	600
Brown and grey lime	1,051
Brown and blue lime	1,151
Blue lime and gypsum	1,326
Brown lime	1,370
Brown and blue lime	1,462
Salt and lime	1,668
Brown lime	1,735
Brown and grey lime	1,823
Salt	1,868
Grey and brown lime	1,971
Brown and grey lime and gypsum	1,983
Brown lime	2,006

Show of oil at 1,995 to 2,006 feet.
Fresh water at 130 feet; salt water at 667, 748, and 2,006 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

R. Kerwin No. 1, lot 7, con. VI, Sombra tp.

Driller: Stover and Rawlings.
Completed March 17, 1949.
Dry hole.

Formation	Depth, ft.
Surface	139
Shale	296
Grey lime and soap	511
Lime	1,056
Lime and blue shale	1,137
Blue shale	1,225
Brown lime	1,365
Shale and blue lime	1,440
Salt	1,446
Salt and lime	1,700
Brown lime	1,855
Lime and salt	1,880
Salt	1,894
Gypsum and lime	1,899
Brown lime	1,941

Show of oil at 1,910 feet.
Show of gas at 1,910 feet.
Salt water at 620 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

J. Mel No. 1, lot 5, con. VI, Sombra tp.

Driller: R. McMaster and Sons.
Completed May 17, 1949.
Dry hole.

Formation	Depth, ft.
Surface	134
Black shale	352
Shale and lime	426
Soap	526
Lime	576
Blue and grey lime	587
Grey and brown lime	617
Grey lime	767
Brown lime	965
Grey and brown lime	1,195
Brown and blue lime	1,236
Brown and blue lime and gypsum	1,260
Brown and blue lime	1,585
Salt and brown lime	1,730
Brown lime	1,782
Brown and blue lime	1,875
Lime and salt	1,885
Salt and gypsum	1,925
Brown lime	1,998
Brown and grey lime	2,038
Grey lime	2,065

Show of oil at 1,929 to 1,932 feet.
Show of gas at 1,964 to 1,970 feet.
Salt water at 705 and 2,050 to 2,060 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

J. Mel No. 2, lot 5, con. VI, Sombra tp.

Driller: R. McMaster and Sons.
Completed June 18, 1949.
Dry hole.

Formation	Depth, ft.
Surface	132
Black and grey shale	310
Shale and lime	384
Soap and lime	529
Brown lime	737
Grey lime and gypsum	815
Grey and brown lime	1,172
Brown lime and gypsum	1,496
Salt and lime	1,718
Brown lime	1,738
Brown and grey lime	1,810
Blue lime and shale	1,845
Brown lime and gypsum	1,860
Salt	1,911
Gypsum	1,923
Brown and grey lime	1,962

Fresh water at 128 feet; salt water at 550 and 620 feet

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

D. Murphy No. 1, lot 17, con. XI, Sombra tp.

Driller: C. Carter.
Completed August 6, 1949.
Dry hole.

Formation	Depth, ft.
Surface	111
Black shale	130
Soap	175
Black shale	320
Grey lime	380
Soap	500
Grey lime and soap	565
Brown lime	745
Brown lime and gypsum	788
Brown lime	1,120
Blue shale, lime, and gypsum	1,475
Salt and lime	1,723
Brown lime	1,835
Grey lime and shale	1,866
Salt	1,923
Gypsum	1,929
Brown lime	2,020
Black shale	2,036
Grey lime and gypsum	2,095

Show of oil at 2,060 to 2,068 feet.
Show of gas at 111 and 2,060 to 2,068 feet.
Fresh water at 111 feet; salt water at 670 to 705 and 2,070 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

J. Reid No. 1, lot 11, con. V, Sombra tp.

Driller: Stover and Rawlings.
Completed January 19, 1949.
Dry hole.

Formation	Depth, ft.
Surface	123
Shale and soap	150
Black shale	320
Soap and shale	410
Soap and lime	480
Brown and grey lime	1,305
Blue lime	1,400
Brown lime	1,425
Brown lime and salt	1,515
Salt	1,625
Grey and brown lime	1,785
Salt and lime	1,819
Salt	1,822
Brown and grey lime	2,092
Blue and red shale	2,267
White shale	2,291
Red and blue shale	2,937
Brown lime	3,897

Show of gas at 1,824 feet.
Fresh water at 110 feet; salt water at 604 and 1,965 feet.

UNION GAS CO. OF CANADA, LTD.

W. and I. Bradshaw No. 1, lot 26, con. XIV, Sombra tp.

Driller: Kiser Bros.
Completed December 29, 1949.
Dry hole.

Formation	Depth, ft.
Surface	95
Black shale	235
Top rock	310
Soap	410
Middle lime	434
Soap	470
Brown lime	852
Sharp sand	985
Brown lime	1,071
Lime and gypsum	1,184
Brown, blue, and grey lime	1,370
Salt and lime shell	1,397
Blue and grey lime	1,487
Salt and lime shell	1,730
Brown and grey lime	1,870
Salt	1,945
Brown and grey lime	2,135

Fresh water at 90 feet; sulphur water at 600 feet.

R. AVERY

G. Morris No. 1, lot 14, con. V S., Warwick tp.

Driller: Demaray and Nichols.
Completed April 27, 1949.
Dry hole.

Formation	Depth, ft.
Surface	72
Black shale	105
Top rock	170
Soap	315
Middle lime	337
Lower soap	367
Lime	468

Show of oil at 435 to 440 feet.
Fresh water at 66 to 72 feet; sulphur water at 435 feet.

DAL OIL SYNDICATE

C. Skillen No. 1, lot 14, con. V, S.E.R., Warwick tp.

Driller: Demaray and Nichols.
Completed May 14, 1949.
Dry hole.

Formation	Depth, ft.
Surface	68
Black shale	102
Top rock	160
Upper soap	314
Middle lime	335
Lower soap	365
Lime	492

Fresh water at 67 feet; black sulphur water at 490 feet.

WILSON-SULLIVAN DEVELOPMENT CO.

E. Davidson No. 5, lot 25, con. VI, S.E.R., Warwick tp.

Driller: Wilson-Sullivan Development Company.
Completed June 30, 1949.
Dry hole.

Formation	Depth, ft.
Surface	119
Hardpan	120
Top rock	182
Top soap	318
Middle lime	338
Lower soap	363
Dark lime	369
Grey lime	432

Show of oil at 363 feet.
Fresh water at 119 feet; sulphur water at 430 feet.

WILSON-SULLIVAN DEVELOPMENT CO.

O. Brown No. 3, lot 24, con. VI, S.E.R., Warwick tp.

Driller: Wilson-Sullivan Development Company.
Completed February 18, 1949.
Dry hole.

Formation	Depth, ft.
Surface	119
Top rock	165
Soap	180
Grey lime	190
Top soap	324
Middle lime	344
Lower soap	365
Dark lime	378
Grey lime	430

Show of oil at 378 feet.
Fresh water at 105 feet; sulphur water at 378 feet.

Lincoln County

GRIMSBY NATURAL GAS CO., LTD.

G. Lounsbury No. 2, lot 7, con. III, Caistor tp.

Driller: E. Ricker.
Completed June 9, 1949.
Dry hole.

Formation	Depth, ft.
Surface	51
Brown lime	81
Niagara	248
Guelph	288
Shale	323
Clinton	358
Red Medina	397
Grey shale	462
White Medina	476
Red shale	481

Show of gas at 328 feet.
Fresh water at 49 feet; black water at 82 feet; sulphur water at 142 feet.

GRIMSBY NATURAL GAS CO., LTD.

G. Lounsbury No. 3, lot 7, con. III, Caistor tp.

Driller: E. Ricker.
Completed June 27, 1949.
Producing gas well.
Rock pressure: 148 lbs.

Formation	Depth, ft.
Surface	59
Brown lime	84
Niagara	250
Guelph	280
Shale	315
Clinton	348
Red Medina	386
Grey shale	451
White Medina	467
Red shale	512

Gas at 320, 356 to 373, and 459 feet.
Fresh water at 70, 90 and 160 feet; sulphur water at 240 feet.

GRIMSBY NATURAL GAS CO., LTD.

L. Lymburner No. 3, lot 4, con. IV, Caistor tp.

Driller: E. Ricker.
Completed July 18, 1949.
Producing gas well.
Rock pressure: 123 lbs.

Formation	Depth, ft.
Surface	61
Lime and shale	93
Niagara	265
Guelph	295
Shale	331
Clinton	363
Red Medina	404
Grey shale	459
White Medina	474
Red shale	515

Gas at 339, 373 to 393, and 463 feet.
Fresh water at 56 and 66 feet; sulphur water at 120 feet; black water at 220 feet.

Lambton County—Continued

IMPERIAL OIL, LTD.

S. Bowles No. 1, lot 10, con. VII, Sombra tp.

Driller: R. McMaster and Sons.
Completed May 17, 1950.
Dry hole.

Formation	Depth, ft.
Surface	128
Grey shale	188
Black shale	314
Shale and brown lime	377
Soap	475
Shale and lime	500
Soap	527
Grey and brown lime	650
Water sand	730
Brown and grey lime	1,120
Brown and blue lime and gypsum	1,180
Blue and brown lime	1,470
Salt and lime	1,660
Gypsum and lime	1,667
Blue and grey lime	1,800
Brown lime and gypsum	1,820
Salt	1,860
Gypsum	1,867
Grey lime	1,980
Gypsum	1,984
Brown lime	2,040
Grey lime	2,120
Lime and shale	2,124
Grey shale	2,133

Fresh water at 128 feet; salt water at 650 and 2,002 feet.

IMPERIAL OIL, LTD.

E. and C. De Jonghe No. 5, lot 6, con. V, Sombra tp.

Driller: R. McMaster and Sons.
Completed March 4, 1950.
Producing oil well.

Formation	Depth, ft.
Surface	144
Grey shale	170
Black shale	307
Grey lime and shale	370
Soap	505
Grey and brown lime	645
Water sand	750
Brown and grey lime	865
Brown and grey lime, gypsum	951
Grey lime	1,019
Brown lime	1,068
Grey lime	1,114
Blue lime and gypsum	1,132
Brown lime	1,158
Blue lime and gypsum	1,180
Blue shale and gypsum	1,268
Brown and blue lime	1,485
Salt	1,727
Lime	1,866
Salt	1,915
Lime and gypsum	1,926
Lime	1,965

Show of gas at 1,923 to 1,925 and 1,932 feet.
Oil at 1,923 to 1,925 and 1,932 feet.
Fresh water at 135 feet; salt water at 642 feet.

IMPERIAL OIL, LTD.

E. De Jonghe No. 4, lot 5, con. V, Sombra tp.

Driller: R. McMaster and Sons.
Completed January 18, 1950.
Dry hole.

Formation	Depth, ft.
Surface	175
Black shale	334
Brown and blue lime	394
Soap and lime	480
Lime and blue shale	506
Soap and lime	545
Grey lime	666
Water sand	748
Brown lime	761
Lime and gypsum	768
Brown and grey lime	1,190
Blue and grey lime	1,210
Blue and grey lime, gypsum	1,233
Blue shale and gypsum	1,308
Grey and blue lime	1,361
Brown and blue lime, gypsum	1,420
Brown lime	1,474
Blue shale	1,508
Blue and brown lime	1,548
Salt and lime	1,730
Brown lime	1,807
Blue and brown lime	1,829
Blue lime and shale	1,853
Blue lime	1,857
Brown lime and gypsum	1,880
Salt	1,920
Grey lime	1,952
Brown and grey lime	1,980

Fresh water at 128 feet; salt water at 611 feet.

IMPERIAL OIL, LTD.

P. and G. De Kort No. 7, lot 7, con. V, Sombra tp.

Driller: R. McMaster and Sons.
Completed July 5, 1950.
Producing oil well.

Formation	Depth, ft.
Surface	130
Grey and black shale	290
Grey shale and lime	346
Soap	447
Middle lime	469
Soap	490
Brown and grey lime	621
Water sand	686
Grey, brown, and blue lime	1,090
Blue shale and gypsum	1,119
Brown and blue lime	1,160
Blue shale and gypsum	1,270
Brown and grey lime	1,368
Brown and blue lime and gypsum	1,397
Blue lime	1,410
Blue shale	1,458
Brown and grey lime	1,470
Salt and lime	1,775
Grey and brown lime	1,785
Blue and grey lime	1,821
Blue lime and gypsum	1,850
Salt	1,870
Salt and gypsum	1,901
Grey lime	1,941

Show of gas at 115 and 1,902 to 1,910 feet.
Oil at 1,902 to 1,910 feet.
Fresh water at 120 feet; sulphur water at 620 feet.

Lambton County—Continued

IMPERIAL OIL, LTD.

J. De Weyne No. 3, lot 6, con. V, Sombra tp.

Driller: R. McMaster and Sons.
Completed March 4, 1950.
Producing oil well.

Formation	Depth, ft.
Surface	130
Grey shale	175
Black shale	300
Grey shale and lime	367
Soap	460
Lime and shale	473
Soap	513
Brown lime	836
Brown and grey lime	1,120
Blue and brown lime, gypsum	1,165
Blue lime and gypsum	1,250
Brown lime	1,300
Brown and blue lime	1,477
Salt and gypsum	1,487
Salt and lime	1,517
Salt	1,660
Salt and lime	1,680
Brown lime and gypsum	1,690
Brown lime and salt	1,701
Grey and blue lime	1,835
Brown lime and gypsum	1,855
Salt	1,903
Gypsum	1,906
Brown lime	1,908
Grey lime	1,956

Oil at 1,906 to 1,908 feet.
Fresh water at 127 feet; sulphur water at 615 feet

IMPERIAL OIL, LTD.

J. Flynn No. 2, lot 7, con. V, Sombra tp.

Driller: R. McMaster and Sons.
Completed April 28, 1950.
Producing oil well.

Formation	Depth, ft.
Surface	128
Grey shale	174
Black shale	283
Lime and grey shale	340
Soap	445
Brown and grey lime	594
Water sand	655
Brown lime	683
Brown lime and gypsum	721
Brown lime	808
Brown lime and gypsum	868
Brown and grey lime	916
Sharp blue lime	986
Brown, blue, and grey lime	1,105
Blue shale and gypsum	1,224
Brown lime	1,233
Grey lime and gypsum	1,240
Brown and grey lime	1,300
Blue and brown lime	1,366
Blue shale	1,400
Brown and blue lime	1,434
Salt and lime	1,685
Brown and grey lime	1,830
Salt	1,878
Gypsum and lime	1,897
Grey lime	1,932

Show of gas at 1,901 to 1,905 feet.
Oil at 1,901 to 1,905 feet.
Fresh water at 120 feet; salt water at 615 feet.

IMPERIAL OIL, LTD.

W. Dubeau No. 1, lot 27, con. VII, Sombra tp.

Driller: Stubble and Stubble.
Completed July 21, 1950.
Dry hole.

Formation	Depth, ft.
Surface	74
Black shale	295
Top rock	360
Soap	475
Middle lime	492
Soap	515
Brown lime	717
Brown lime and gypsum	729
Brown and grey lime	1,255
Brown and blue lime and gypsum	1,275
Brown, grey, and blue lime	1,508
Brown and blue lime	1,644
Brown, grey, and blue lime	1,861
Brown and grey lime and gypsum	1,890
Grey lime and gypsum	1,899
Brown lime	1,965
Grey lime	2,022
Blue shale	2,029

Show of gas at 65 and 1,912 feet.
Fresh water at 65 feet; sulphur water at 625 feet; salt water at 1,714 feet.

IMPERIAL OIL, LTD.

A. Fraser Estate No. 1, lot 11, con. IX, Sombra tp.

Driller: Stubble and Stubble.
Completed June 17, 1950.
Dry hole.

Formation	Depth, ft.
Surface	138
Brown shale	153
Soap	168
Brown shale	333
Top rock	408
Soap and lime	600
Brown lime	795
Brown lime and gypsum	805
Brown lime	972
Sharp brown and grey lime	1,152
Brown and blue lime	1,276
Brown lime and gypsum	1,282
Blue lime and gypsum	1,377
Brown and blue lime	1,678
Brown lime	1,950

Fresh water at 134 feet; sulphur water at 585 and 1,820 feet.

Lambton County—Continued

IMPERIAL OIL, LTD.

A. Fruytier No. 1, lot 4, con. V, Sombra tp.

Driller: Carter and Kidd.
Completed September 14, 1950.
Producing oil well.
Elevation: 579 ft.

Formation	Depth, ft.
Surface	125
Soap	190
Black shale	320
Grey lime and soap	360
Soap	485
Grey lime	498
Soap	528
Brown lime	913
Sharp lime	1,046
Brown lime	1,130
Brown and grey lime	1,170
Blue shale and gypsum	1,178
Blue shale	1,280
Brown lime	1,285
Blue shale and gypsum	1,298
Brown lime	1,330
Shale and gypsum	1,344
Brown lime and shale	1,455
Brown lime, shale and gypsum	1,498
Salt and lime shell	1,585
Salt	1,600
Salt and lime	1,740
Brown and grey lime	1,845
Grey lime and shale	1,865
Grey lime and gypsum	1,890
Salt	1,924
Gypsum	1,929
Brown and grey lime	1,964

Show of gas at 1,930 feet.
Oil at 1,929 to 1,934 feet.
Fresh water at 128 feet; salt water at 655 feet.

IMPERIAL OIL, LTD.

P. Griffith No. 2, lot 8, con. VI, Sombra tp.

Driller: R. McMaster and Sons.
Completed June 10, 1950.
Dry hole.

Formation	Depth, ft.
Surface	125
Grey and brown shale	300
Grey shale and lime	350
Soap	460
Shale and lime	485
Soap	515
Blue and brown lime	630
Water sand	660
Brown and grey lime	1,115
Brown and blue lime and gypsum	1,320
Brown and blue lime	1,390
Blue and brown lime and gypsum	1,475
Lime and salt	1,660
Salt, lime and gypsum	1,694
Grey lime	1,822
Brown lime and gypsum	1,845
Salt	1,883
Gypsum	1,891
Brown and grey lime	1,980
Brown lime and gypsum	1,999
Guelph	2,041

Fresh water at 125 feet; sulphur water at 633 feet; salt water at 2,018 feet.

IMPERIAL OIL, LTD.

J. Hetherington No. 1, lot 11, con. IX, Sombra tp.

Driller: R. McPherson.
Completed December 4, 1950.
Producing gas well.
Rock pressure: 760 lbs.
Elevation: 597 ft.

Formation	Depth, ft.
Surface	130
Black shale	150
Soap	190
Black shale	332
Grey lime	394
Soap	515
Middle lime	535
Soap	562
Brown lime	1,190
Blue and brown lime	1,265
Blue lime	1,343
Brown and blue lime	1,666
Brown lime	1,780

Gas at 1,688, 1,691, 1,694, 1,695, and 1,700 feet.
Show of oil at 1,697 to 1,720 feet.
Fresh water at 130 feet; salt water at 675 feet.

IMPERIAL OIL, LTD.

A. Jarvis No. 1 lot 6, con. VI, Sombra tp.

Driller: R. McMaster and Sons.
Completed May 31, 1950.
Dry hole.

Formation	Depth, ft.
Surface	154
Grey and black shale	326
Lime and shale	376
Soap	472
Middle lime	485
Soap	520
Grey and brown lime	965
Grey lime	1,042
Brown and blue lime	1,126
Grey and blue lime	1,156
Brown lime and gypsum	1,164
Blue shale	1,265
Blue lime and gypsum	1,271
Blue and brown lime	1,308
Brown and blue lime and gypsum	1,347
Brown and blue lime	1,386
Blue lime and gypsum	1,430
Blue shale	1,460
Brown and blue lime	1,470
Salt and lime	1,715
Brown, grey and blue lime	1,842
Grey lime and gypsum	1,852
Salt	1,892
Gypsum	1,906
Grey lime	1,947

Fresh water at 120 feet; sulphur water at 635 feet.

IMPERIAL OIL, LTD.

E. Jarvis No. 1, lot 4, con. V, Sombra tp.

Driller: R. McMaster and Sons.
Completed July 17, 1950.
Producing oil well.

Formation	Depth, ft.
Surface	130
Black and grey shale	360
Grey shale and lime	435
Soap	520
Middle lime	559
Soap	590
Grey and brown lime	1,220
Blue and grey lime, gypsum	1,230
Brown, grey and blue lime	1,270
Blue lime and gypsum	1,363
Brown and blue lime	1,500
Brown and blue lime, gypsum	1,600
Salt and lime	1,630
Salt	1,650
Salt and lime	1,742
Brown and grey lime	1,866
Brown lime and gypsum	1,886
Salt	1,928
Gypsum	1,936
Grey lime	1,980

Oil at 1,936 to 1,942 feet.
Show of gas at 1,940 feet.
Fresh water at 128 feet; sulphur water at 700 feet.

Lambton County—Continued

IMPERIAL OIL, LTD.

J. Johnston No. 3, lot 9, con. VI, Sombra tp.

Driller: R. McMaster and Sons.
Completed April 6, 1950.
Producing gas well.
Rock pressure: 745 lbs.

Formation	Depth, ft.
Surface	128
Grey shale	183
Black shale	300
Lime and grey shale	360
Soap	472
Lime and shale	495
Soap	527
Brown lime	640
Sand	695
Brown lime and gypsum	740
Brown lime	900
Grey lime	1,050
Brown lime	1,096
Blue and brown lime gypsum	1,135
Blue shale and gypsum	1,160
Blue lime and gypsum	1,204
Brown lime	1,350
Blue and brown lime	1,375
Blue shale	1,405
Blue and brown lime, gypsum	1,460
Salt and lime	1,610
Salt, lime and gypsum	1,653
Brown lime	1,670
Grey lime	1,730
Grey and blue lime	1,790
Brown lime and gypsum	1,807
Salt and gypsum	1,853
Gypsum	1,858
Brown lime	1,860
Grey lime	1,950
Grey lime and gypsum	1,970
Guelph	1,995

Gas at 1,965 to 1,990 feet.
Fresh water at 122 feet; salt water at 640 feet.

IMPERIAL OIL, LTD.

G. and P. Miller No. 1, lot 3, con. XIV, Sombra tp.

Driller: R. McMaster and Sons.
Completed August 14, 1950.
Dry hole.
Elevation: 605 ft.

Formation	Depth, ft.
Surface	190
Grey and black shale	425
Grey shale and lime	475
Soap	590
Shale and lime	600
Soap	645
Brown lime	740
Water sand	820
Brown, grey, and blue lime	1,300
Brown and blue lime and gypsum	1,420
Brown lime	1,550
Blue shale and salt	1,620
Brown lime	1,640
Brown lime, gypsum and salt	1,755
Salt	1,915
Brown and grey lime	2,015
Blue lime	2,060
Brown lime and gypsum	2,074
Salt	2,160
Gypsum	2,168
Grey and brown lime	2,280
Gypsum and brown lime	2,300
Guelph	2,410
Rochester	2,420

Fresh water at 150 feet; sulphur water at 740 feet.

IMPERIAL OIL, LTD.

S. Marr, No. 1, lot 4, con. XIII, Sombra tp.

Driller: Carter and Kidd.
Completed October 31, 1950.
Dry hole.
Elevation: 607 ft.

Formation	Depth, ft.
Surface	185
Soap	208
Black shale	417
Brown and grey lime and shale	490
Soap	590
Grey and brown lime	605
Soap	640
Brown lime	850
Grey and brown lime and gypsum	920
Brown lime	1,073
Sharp grey lime	1,190
Brown lime	1,255
Brown lime, shale and gypsum	1,300
Blue shale and gypsum	1,414
Brown lime, blue shale and gypsum	1,485
Brown lime and blue shale	1,640
Salt and lime	1,767
Salt	1,870
Lime and salt	1,905
Brown lime	2,040
Brown lime and gypsum	2,055
Salt	2,123
Salt and gypsum	2,130
Brown lime	2,278
Guelph	2,402
Lime and shale	2,413

Show of gas at 418 feet.
Fresh water at 156 feet; salt water at 750, 820, and 1,217 feet.

IMPERIAL OIL, LTD.

H. Sheller No. 2, lot 5, con. V, Sombra tp.

Driller: Carter & Kidd.
Completed August 5, 1950.
Producing oil well.

Formation	Depth, ft.
Surface	130
Black shale and soap	180
Black shale	320
Grey lime	346
Black shale and soap	352
Grey lime and soap	530
Brown and grey lime	848
Sharp brown lime	952
Brown lime and gypsum	986
Brown and grey lime	1,135
Blue shale and gypsum	1,285
Brown lime	1,290
Blue shale and gypsum	1,304
Brown lime and gypsum	1,361
Brown lime	1,404
Shale and lime	1,436
Blue shale and gypsum	1,473
Lime and shale	1,500
Salt and lime	1,725
Brown lime	1,808
Brown and grey lime	1,851
Grey and brown lime and gypsum	1,876
Salt	1,911
Salt, lime and gypsum	1,915
Brown lime	2,005
Blue lime	2,017
Gypsum and lime	2,028
Guelph	2,048

Show of gas at 1,915 feet.
Oil at 1,915 feet.
Sulphur water at 655 and 778 to 784 feet.

The Dundee formation corresponds to the Norfolk of Caley (1945) and consists of buff-coloured, fine-grained, clastic limestone in the lower part becoming finely crystalline above. Quartz grains and light grey chert are common at the base and small amber-coloured spore cases are present throughout the formation. It varies in thickness from 85 to over 160 feet. The Dundee underlies the Hamilton formation in Kent and Lambton counties, but in Essex county it immediately underlies the drift except in the southwest part where it is absent.

The lower contact is placed where the rock changes from a fine-grained clastic limestone containing sand grains and chert to the finely crystalline dolomite or limestone of the Detroit River group.

The Hamilton formation is divided into four members, in descending order: Ipperwash limestone, Petrolia shale, Widder beds, and Olentangy shale. Both the Olentangy and Petrolia members consist of soft, light grey, calcareous shale. The Olentangy varies in thickness from 25 to 100 feet and the Petrolia from 70 to 190 feet. Occasional limestone interbeds occur within the shales, and in many places at the base of the Olentangy there is a 5- to 10-foot bed of grey limestone. The Widder member is a fine to medium crystalline, argillaceous limestone from 5 to 20 feet thick, lying between the two shale members. The Ipperwash member, from 20 to 130 feet thick, consists of grey, fine-grained, argillaceous limestone with minor interbeds of crystalline limestone. Shale is common throughout. All members vary in thickness from one locality to another, and cannot always be recognized in well cuttings. Their combined thickness may total over 300 feet.

Except for a small outlier of shale in Maidstone township, Essex county, the Hamilton formation is almost entirely confined to Kent and Lambton counties. Its lower contact is abrupt, being marked by the change from shale or grey argillaceous limestone to the buff limestone of the Dundee formation.

The name Kettle Point formation was first proposed by Caley (1943) for the black fissile shales overlying the Hamilton formation in the adjoining area to the east. Caley (1945) later proposed that all Palæozoic rocks above the Hamilton in the Windsor-Sarnia area be included in the Kettle Point formation. These beds were previously mapped as Huron and Port Lambton beds (Stauffer, 1915). Since that time, drilling for oil and natural gas has shown that beds younger in age than the black fissile shales exposed at Kettle Point on Lake Huron are present in this area. Therefore, the Kettle Point formation is here redefined to embrace only those beds that occur between the top of the Hamilton formation and the base of the Port Lambton beds. The formation as now defined consists of dark brown to black, bituminous shale with occasional interbeds of green shale. A characteristic feature is a profusion of small amber-coloured spore cases. Pyrite is also common. The thickness varies from a few feet to 330 feet.

Except in Essex county, and small isolated areas in Kent and Lambton counties, the Kettle Point beds immediately underlie glacial drift. The lower contact is sharp, being marked by a change from the black, bituminous shale of the Kettle Point formation to the fossiliferous limestone and calcareous shale of the Hamilton formation.

Stauffer (1915) first described the Port Lambton beds as "green shales, and associated greenish sandstones", and because these beds were distinctly different in lithology from the underlying black shales of the "Huron" he named them the Port Lambton beds from their occurrence in well samples at that place.

Many wells have since been drilled in the area, and they verify the fact that these upper beds do occur. Directly overlying the black, bituminous shale of the Kettle Point formation is a light grey, micaceous, soft, very fissile shale with siltstone interbedded in places. This is overlain by a light grey, very fine-grained, micaceous sandstone. The sand grains are subangular and are rarely over 0·15 mm. in diameter. The upper part of the sandstone is slightly dolomitic, but most of it has a siliceous cement. The shale and sandstone together vary in thickness from a few feet to 200 feet or more.

The Port Lambton beds form a narrow strip along St. Clair River, from Port Lambton north through Sombra township into Moore township. In Moore township it widens eastward to the vicinity of Kimball. Cohee, Macha, and Holk (1951) state that the Bedford shale, Berea sandstone, and the overlying Sunbury shale of Michigan are present along St. Clair River, opposite the place where the Port Lambton shale and sandstones are present in Ontario. It is, therefore, most probable that the Port Lambton beds are equivalent at least to the Bedford shales and the Berea sandstones of Michigan. The Sunbury shale as described by Cohee (1951) was not recognized in any of the well cuttings examined from Lambton county, but not all samples were available.

The lower contact of the Port Lambton is sharp, marked by the change from soft, grey, fissile shale or sandstone to the black, firm, bituminous shale of the Kettle Point formation. In some localities the shale facies is absent, and the sandstone lies directly on Kettle Point beds.

OIL AND GAS FIELDS

LAMBTON COUNTY

West Becher Oil and Gas Field. The West Becher field is situated on lots 4 to 12, con. V, lots 8 to 14, con. VI, and lots 12 to 14, con. VII, Sombra tp., Lambton co., and lots 7 to 11, con. IV, Chatham Gore tp., Kent county.

The field was discovered in 1946, and since that time seventy-six wells have been drilled, thirty-six of which are oil wells producing from unit A-1 of the lower Salina, ten are gas wells producing from the same unit, three are gas wells producing from the Guelph formation, and twenty-seven are dry holes. Initial production of the oil wells varied from 5 to 50 barrels a day and of the gas wells from 150 to 2,000 Mcf. a day. To the end of 1952, 534,284 barrels of oil had been recovered from the field, and 1,208,617 Mcf. of gas has been produced from Sombra township, which includes East and West Becher, Sombra, Duthill, and Bickford gas pools. Peak oil production was during 1949 when the total recovery was 146,617 barrels. Production has since declined to 75,981 barrels in 1952.

Structure contours (Map 1042A, inset) on top of the Guelph formation indicate an anticlinal structure plunging to the west.

The following well log illustrates the lithology in this field.

Log of Imperial Oil Limited Well No. 244 Comp Apr 6 1950

Location: lot 9, con. VI, Sombra tp. 1950 Mrs J Johnson #3
Elevation: 587 feet. 3590' N 730' W

——	Thickness	Depth
	Feet	Feet
Drift	128	128
DEVONIAN		
KETTLE POINT		
Shale: light grey, fissile	34	162
Shale: black, bituminous; spore cases; pyritic	29	191
Shale: olive-green; fragments of black bituminous shale; pyrite	11	202
Shale: black, bituminous, with abundant spore cases; occasional fragments of olive-green shale; pyrite	108	310

—	Thickness	Depth
	Feet	Feet
HAMILTON		
Ipperwash		
Limestone: light grey to brownish grey, crystalline; glauconite and pyrite; some light greenish grey shale	14	324
Limestone: grey to brownish grey, finely crystalline, argillaceous; minor grey calcareous shale	35	359
Petrolia		
Shale: grey, calcareous, pyritic, fossiliferous	115	474
Widder		
Limestone: greyish brown, finely crystalline, argillaceous, fossiliferous; a few fragments of grey calcareous shale	12	486
Olentangy		
Shale: medium to dark grey, calcareous, fossiliferous	33	520
DUNDEE		
Limestone: light grey to buff, finely crystalline, pyritic; occasional spore cases	35	555
Limestone: grey to buff, finely crystalline, slightly arenaceous	38	593
Limestone: grey-buff, finely granular, arenaceous; abundant spore cases	14	607
DETROIT RIVER AND BOIS BLANC		
Dolomite: grey to buff, finely crystalline, black bituminous streaks	7	614
Limestone: dolomitic, grey to buff, fine, sugary texture	23	637
Limestone: grey-buff to brown, finely crystalline, sugary texture in part; coarse, rounded, and frosted sand grains	51	688
Dolomite: calcareous, buff, fine-granular texture, intergranular porosity; traces of gypsum	116	804
Dolomite: buff to brown, finely crystalline; a few fragments of light grey chert and gypsum	83	887
Dolomite: fine to crystalline, arenaceous; white chert	22	909
Samples missing	7	916
Dolomite: calcareous, finely crystalline to granular; a few limestone fragments	7	923
Limestone: dolomitic, grey to buff, finely crystalline, arenaceous; white chert	21	944
Dolomite: grey to grey-buff, granular; much white chert; sandstone with medium rounded and frosted quartz grains at base	28	972
SILURIAN		
BASS ISLAND		
Dolomite: light grey and buff; finely crystalline, oolitic at 986 and 1,013 feet	103	1,075
SALINA		
Dolomite: buff to grey, finely crystalline, shaly in part; anhydrite throughout	79	1,154
Shale: dark grey, dolomitic; some finely crystalline shaly dolomite; pink anyhdrite	7	1,161
Dolomite: buff to brown, finely crystalline; occasional fragments of dolomitic shale and anhydrite	115	1,276

——	Thickness	Depth
	Feet	Feet
SALINA—Conc.		
Shale: grey, dolomitic; some grey dolomitic shale and anhydrite	7	1,283
Dolomite: buff to brown, finely crystalline, shaly in part; anhydrite	63	1,346
Anhydrite	13	1,359
Dolomite: grey to buff and greenish grey, shaly; some anhydrite	34	1,393
Anhydrite; some buff and grey shaly dolomite	39	1,432
Dolomite: buff, finely crystalline; much anhydrite; trace of salt	10	1,442
UPPER SALT		
Salt; occasional fragments of dolomite	155	1,597
Dolomite: buff and grey-buff, finely crystalline; small amount of anhydrite and salt	16	1,613
Anhydrite and salt; minor buff dolomite	40	1,653
UNIT A-2		
Dolomite: buff to brown with fine sugary texture; traces of anhydrite	75	1,728
Dolomite: buff to brownish grey, finely crystalline, argillaceous	45	1,773
Dolomite: grey and buff, finely crystalline; a few black bituminous shale fragments	21	1,794
Dolomite: buff, finely crystalline; much anhydrite	8	1,802
Anhydrite	7	1,809
Salt	43	1,852
Anhydrite; minor light buff dolomite	6	1,858
UNIT A-1		
Limestone and dolomitic limestone: finely crystalline, dense	34	1,892
Dolomite: buff-brown, finely crystalline	28	1,920
Dolomite: buff to brown, finely crystalline, argillaceous in part; a few fragments of brown, dense, shaly limestone from 1,931 feet	32	1,952
Anhydrite; minor buff-brown dolomitic limestone	7	1,959
GUELPH–LOCKPORT		
Dolomite, light grey and buff, crystalline, with good intergranular porosity	36	1,995

East Becher Gas Field. The East Becher gas field lies in lots 18, 19, and 21, con. VI, Sombra township.

The field was discovered in 1946, and consists of nine wells, three of which are gas wells producing from the Guelph formation, and six dry holes. The three wells had an initial gas production of 108 Mcf., 239 Mcf., and 500 Mcf. a day respectively, the latter also having an initial production of 5 barrels of oil a day.

Structure contours on top of the Guelph formation indicate a small dome-like structure.

Sombra Gas Pool. The Sombra gas pool lies in lot 1, cons. IX and X, Sombra township.

The pool was discovered in 1951, and since that time, seven wells have been completed, two of which obtained gas from a reef in the Guelph formation and five were dry holes. The gas wells had an initial production of 940 Mcf. and 990 Mcf. a day respectively.

Contours on top of the Guelph formation (Map 1042A, inset) indicate a high dome, characteristic of reef structure.

IMPERIAL OIL, LTD.

E. Bogaert No. 1, lot 13, con. V, Sombra tp.

Driller: R. McMaster and Sons.
Completed June 19, 1951.
Dry hole.

Formation	Depth, ft.
Surface	90
Grey shale	110
Black shale	277
Hamilton	480
Big brown lime	780
Grey lime	820
Sharp grey lime	950
Grey lime	990
Blue and brown lime	1,090
Brown lime, blue shale, and gypsum	1,150
Blue shale	1,180
Blue and brown lime	1,206
Blue, brown lime and gypsum	1,306
Blue and brown lime and blue shale	1,415
Salt	1,595
Salt and gypsum	1,618
Brown lime	1,630
Grey lime	1,695
Blue shale	1,740
Blue, brown lime and gypsum	1,770
Salt	1,795
Brown lime and gypsum	1,806
Grey lime	1,912
Lime and gypsum	1,917
Guelph lime	2,063
Grey shale	2,070

Gas at 1,816–1,820 feet.
Salt water at 570, and 1,995–2,005 feet.

IMPERIAL OIL, LTD.

M. and M. Crawford No. 1, lot 14, XI, Sombra tp.

Driller: R. McMaster and Sons.
Completed December 6, 1951.
Dry hole.

Formation	Depth, ft.
Surface	125
Huron	332
Hamilton	559
Brown lime	628
Water sand	640
Brown lime	714
Water sand	775
Brown lime	1,016
Sharp lime	1,075
Brown lime	1,175
Lime and gypsum	1,217
Brown and blue lime and shale	1,524
Salt and lime	1,719
Brown lime	1,884
Lime and gypsum	1,891
Lime and salt	1,943
Brown lime	2,035
Guelph and brown and grey lime	2,137
Grey lime	2,222
Rochester shale	2,235

Show of gas at 1,964–1,970 feet.
Fresh water at 120 feet; sulphur water at 634 and 714 feet.

Lambton County—Continued

IMPERIAL OIL, LTD.

V. and G. Workman No. 1, lot 2, con. X, Sombra tp.

Driller: R. McMaster and Sons.
Completed October 9, 1951.
Dry hole.

Formation	Depth, ft.
Surface	182
Black shale	398
Hamilton	627
Brown lime	884
Grey lime	926
Brown lime	1,260
Shale	1,264
Brown lime	1,478
Blue shale	1,533
Shale and lime	1,561
Blue lime	1,605
Brown and grey lime	1,804
Blue lime and gypsum	1,851
Brown lime	1,979
Blue lime	2,019
Blue lime and gypsum	2,042
Brown lime	2,219
Grey lime	2,290
Grey shale	2,295

Small show of gas at 135 feet.
Fresh water at 142 feet; sulphur water at 720 feet.

Lambton County—Continued

IMPERIAL OIL, LTD.

J. Deyo and F. Deyo No. 1, lot 14, con. VII, Sombra tp.

Driller: Stubble and Stubble.
Completed May 24, 1951.
Producing gas well.
Rock pressure: 905 lb.

Formation	Depth, ft.
Surface	120
Huron	278
Hamilton	504
Brown lime	760
Brown and grey lime	864
Sharp brown and grey lime	1,080
Brown lime	1,153
Brown and blue lime	1,187
Brown blue lime, and gypsum	1,302
Brown and blue lime	1,507
Brown and grey lime	1,530
Salt and lime	1,608
Brown lime	1,705
Brown, grey and blue lime	1,753
Brown lime and gypsum	1,761
Salt and brown lime	1,812
Gypsum and brown lime	1,819
Brown lime	1,905
Lime and gypsum	1,921
Brown lime	1,956
Brown and grey lime	1,986
Brown lime	1,996
Grey and blue lime	2,075
Blue shale	2,080

Gas at 1,923, 1,930, 1,935, and 1,939 feet.
Fresh water at 117 feet; salt water at 636 feet.

IMPERIAL OIL, LTD.

E. Fournie No. 1, lot 4, con. XII, Sombra tp.

Driller: Stubble and Stubble.
Completed June 12, 1951.
Dry hole.

Formation	Depth, ft.
Surface	158
Grey shale	210
Black shale	395
Hamilton	625
Brown lime	776
Brown lime and gypsum	862
Brown lime	969
Brown and grey lime	1,156
Brown lime	1,244
Brown and blue lime	1,260
Brown lime	1,275
Brown and blue lime and gypsum	1,320
Brown and blue lime	1,560
Blue shale	1,615
Brown lime and salt	1,861
Brown and grey lime	1,991
Brown lime and gypsum	2,015
Salt	2,075
Brown lime and gypsum	2,081
Brown lime	2,160
Brown and grey lime	2,178
Brown lime	2,264
Grey lime	2,342
Grey shale	2,346

Show of gas at 2,091–2,100 feet.
Show of oil at 2,091–2,100 feet.
Salt water at 732 feet.

IMPERIAL OIL, LTD.

A. and N. Ellis No. 1, lot 2, con IX, Sombra tp.

Driller: Stubble and Stubble.
Completed August 4, 1951.
Dry hole.

Formation	Depth, ft.
Surface	224
Brown shale	495
Hamilton	805
Brown lime	953
Brown lime and gypsum	1,182
Sharp brown lime	1,313
Brown lime	1,425
Brown and blue lime and gypsum	1,436
Blue and brown lime	1,447
Blue shale	1,452
Brown lime	1,482
Blue lime	1,490
Blue shale	1,594
Brown and blue lime	1,767
Blue shale	1,822
Blue lime	1,854
Brown lime	1,957
Brown and grey lime	2,000
Grey lime	2,008
Brown lime and gypsum	2,061
Brown lime	2,193
Grey lime	2,274
Blue shale	2,281

Fresh water at 153 feet; salt and sulphur water at 859 feet.

IMPERIAL OIL, LTD.

H. Fournie No. 1, lot 3, con. XII, Sombra tp.

Driller: Stubble and Stubble.
Completed August 21, 1951.
Dry hole.

Formation	Depth, ft.
Surface	155
Grey shale	187
Black shale	397
Hamilton	623
Grey and brown lime	848
Grey lime and gypsum	908
Brown and grey lime	1,016
Sharp grey lime	1,156
Sharp brown and grey lime	1,249
Brown and blue lime	1,296
Brown lime and gypsum	1,300
Brown and blue lime	1,395
Brown and grey lime	1,502
Brown and blue lime	1,562
Blue shale	1,589
Brown lime	1,676
Salt and brown lime	1,885
Brown and grey lime	2,012
Brown lime and gypsum	2,033
Salt and lime	2,062
Salt	2,098
Grey and brown lime	2,218
Grey lime and gypsum	2,227
Brown lime	2,236
Grey lime	2,370
Shale	2,376

Fresh water at 150 feet; sulphur and salt water at 720 feet; salt water at 2,244 feet.

Lambton County—Continued

IMPERIAL OIL, LTD.

J., F., and H. Hay No. 1, lot 11, con. X, Sombra tp.

Driller: R. McMaster and Sons.
Completed April 4, 1951.
Dry hole.

Formation	Depth, ft.
Surface	138
Black shale	182
Grey shale	204
Black shale	330
Hamilton	573
Brown lime	965
Sharp brown lime and gypsum	1,092
Brown lime	1,160
Brown and blue lime	1,210
Blue lime and gypsum	1,300
Brown lime	1,402
Brown and blue lime	1,424
Blue lime and gypsum	1,484
Brown and blue lime	1,523
Salt and lime	1,555
Salt	1,748
Lime and salt	1,768
Brown lime	1,822
Grey lime	1,900
Gypsum	1,915
Salt	1,970
Gypsum and lime	1,975
Brown lime	2,028
Grey lime	2,100
Grey lime and gypsum	2,116
Grey lime	2,150

Fresh water at 136 feet; sulphur water at 700 feet.

IMPERIAL OIL, LTD.

V. and E. Moran No. 1, lot 1, con. X, Sombra tp.

Driller: R. McMaster and Sons.
Completed June 20, 1951.
Producing gas well.
Rock pressure: 935 lb.

Formation	Depth, ft.
Surface	179
Port Lambton	217
Huron	410
Hamilton	625
Brown lime	720
Water sand	742
Brown lime and gypsum	798
Brown lime	930
Sharp lime	1,065
Brown and grey lime	1,340
Hard brown lime	1,400
Blue and brown lime	1,440
Blue shale	1,470
Blue and brown lime	1,510
Brown lime, and gypsum	1,545
Brown and blue lime, and shale	1,733
Brown and blue lime and gypsum	1,773
Brown and grey lime	1,858
Gypsum	1,880
Brown and grey lime	1,972
Grey lime	2,152
Brown lime	2,163

Gas at 178, 1,892, 1,907–1,916, 1,924–1,984, and 2,117 feet.
Oil at 1,986–1,988, 2,020–2,027, 2,038–2,042, 2,058–2,059 feet.
Fresh water at 137 feet; sulphur water at 710 feet; salt water at 2,075–2,090 feet.

IMPERIAL OIL, LTD.

R. and U. Henry No. 1, lot 5, con. XII, Sombra tp.

Driller: C. Carter.
Completed September 28, 1951.
Dry hole.

Formation	Depth, ft.
Surface	185
Grey shale	200
Black shale	390
Hamilton	606
Grey and brown lime	730
Water sand	772
Brown lime	990
Sharp brown lime	1,188
Brown and grey lime	1,280
Lime and gypsum	1,290
Grey lime	1,300
Black shale	1,380
Brown and grey lime	1,430
Brown lime and black shale	1,595
Salt	1,614
Grey shale	1,622
Salt	1,632
Grey lime	1,654
Salt	1,852
Brown lime	1,937
Grey lime	1,967
Lime and gypsum	2,000
Salt	2,070
Brown and grey lime	2,324
Rochester shale	2,332

Show of gas at 115, 165, and 1,225 feet.
Fresh water at 165 feet; sulphur water at 730 and 1,225 feet; black water at 1,060 feet.

IMPERIAL OIL, LTD.

V. and E. Moran No. 2, lot 1, con. X, Sombra tp.

Driller: Stubble and Stubble.
Completed October 12, 1951.
Dry hole.

Formation	Depth, ft.
Surface	224
Black shale	418
Hamilton	628
Brown lime	812
Brown lime and gypsum	859
Brown lime	977
Sharp brown lime	1,047
Brown and grey lime	1,257
Blue lime, and gypsum	1,265
Brown lime	1,343
Blue shale	1,355
Brown and blue lime	1,462
Blue lime	1,587
Brown and blue lime	1,774
Blue grey and brown lime	1,925
Brown lime	1,965
Brown, blue and grey lime	2,052
Brown and grey lime and gypsum	2,059
Brown and grey lime	2,231
Grey lime	2,313
Grey shale	2,330

Fresh water at 120 feet; black water at 727 and 804 feet; salt water at 1,930 feet.

Lambton County—Continued

IMPERIAL OIL, LTD.

V. Moran No. 3, lot 1, con. X, Sombra tp.

Driller: R. McMaster and Sons.
Completed November 12, 1951.
Dry hole.

Formation	Depth, ft.
Surface	220
Gravel and shale	240
Huron	375
Hamilton	640
Brown lime	735
Water sand	790
Brown lime	864
Lime and gypsum	915
Brown and grey lime	1,343
Brown, grey lime and gypsum	1,373
Brown lime and shale	1,399
Blue shale and gypsum	1,406
Blue and brown lime	1,597
Grey and brown lime	1,623
Brown lime	1,648
Lime and shale	1,686
Brown and blue lime	1,761
Lime and shale	1,794
Brown and blue lime	1,822
Brown lime and gypsum	1,835
Grey and brown lime	1,978
Lime and gypsum	2,056
Brown lime	2,077
Water sand	2,126

Show of gas at 150 feet.
Fresh water at 150 feet; sulphur water at 735 feet; salt water at 2,120 feet.

IMPERIAL OIL, LTD.

N. and N. Robson No. 1, lot 3, con. XIII, Sombra tp.

Driller: R. McMaster and Son.
Completed September 27, 1951.
Dry hole.

Formation	Depth, ft.
Surface	150
Grey shale	198
Black shale	398
Hamilton	624
Brown lime	690
Grey lime	735
Water sand	765
Brown lime and sand	830
Brown lime	845
Brown lime and gypsum	895
Grey lime	915
Brown lime	1,030
Sharp brown and grey lime	1,190
Brown and grey lime	1,263
Brown and blue lime	1,302
Brown, blue lime and gypsum	1,405
Brown and blue lime	1,532
Blue shale	1,584
Lime and shale	1,640
Salt, shale, and brown lime	1,709
Salt and lime	1,910
Grey, brown and blue lime	2,046
Lime and gypsum	2,056
Salt	2,128
Gypsum and lime	2,134
Brown and grey lime	2,408
Grey shale	2,413

Gas at 2,270–2,276 feet.
Fresh water at 140 feet; sulphur water at 735 feet.

IMPERIAL OIL, LTD.

F. and A. Ouellette No. 1, lot 20, con. VIII, Sombra tp.

Driller: R. McMaster and Sons.
Completed August 20, 1951.
Dry hole.

Formation	Depth, ft.
Surface	73
Huron	304
Hamilton	504
Brown, and grey lime	606
Lime and water sand	675
Grey and brown lime	855
Sharp grey lime	957
Brown, grey and blue lime	1,009
Brown, grey and blue lime and shale	1,062
Blue lime and gypsum	1,102
Shale	1,142
Blue lime and gypsum	1,179
Brown and grey lime	1,233
Blue lime and gypsum	1,244
Brown and blue lime	1,306
Blue lime and gypsum	1,314
Blue and grey lime	1,328
Blue lime and gypsum	1,347
Brown and blue lime	1,421
Salt and lime streaks	1,622
Brown lime	1,725
Brown and blue lime	1,765
Lime and salt	1,773
Salt	1,806
Salt and brown and grey lime	2,064
Shale	2,068

Show of oil at 1,947–1,954 feet.
Show of gas at 1,947–1,954 feet.
Sulphur water at 660 feet; salt water at 2,030 feet.

IMPERIAL OIL, LTD.

N. and N. Robson No. 2, lot 3, con. XIII, Sombra tp.

Driller: C. M. Carter.
Completed November 23, 1951.
Dry hole.

Formation	Depth. ft.
Surface	140
Huron shales	336
Hamilton	637
Brown lime	720
Sandy grey lime	817
Brown lime	882
Gypsum	905
Brown lime	1,110
Sharp grey and brown lime	1,192
Grey lime	1,252
Blue shale	1,265
Grey lime	1,294
Blue shale	1,300
Brown lime and gypsum	1,312
Blue shale and brown and grey lime	1,645
Salt and lime	1,710
Salt	1,915
Brown lime	1,983
Grey lime	2,073
Salt	2,154
Brown lime	2,249
Brown and grey lime	2,400
Rochester shale	2,415

Fresh water at 140 feet; sulphur water at 720 feet.

Lambton County—Continued

IMPERIAL OIL, LTD.

W. Robson No. 1, lot 4, con. XIII, Sombra tp.

Driller: C. Carter.
Completed January 9, 1951.
Dry hole.

Formation	Depth, ft.
Surface	170
Soap	180
Black shale	364
Grey lime	470
Soap	585
Grey lime and soap	680
Brown lime	884
Brown lime and gypsum	894
Brown lime	1,095
Sharp sand	1,180
Brown and grey lime and blue shale	1,298
Blue shale	1,431
Brown and grey lime	1,470
Blue shale and gypsum	1,475
Brown lime	1,538
Brown lime and shale	1,640
Salt and lime shale	1,650
Salt	1,660
Brown lime	1,670
Lime and salt	1,704
Salt	1,740
Salt and lime	1,920
Brown lime	2,030
Blue shale and lime	2,064
Brown lime and gypsum	2,070
Salt	2,145
Brown lime	2,307
Grey lime	2,398
Shale	2,420

Fresh water at 110 and 160 feet; salt water at 735 feet.

IMPERIAL OIL, LTD.

B. Stoneman No. 2, lot 12, con. XII, Sombra tp.

Driller: C. Carter.
Completed March 7, 1951.
Dry hole.

Formation	Depth, ft.
Surface	155
Black shale	180
Soap and shale	210
Soap	222
Black shale	360
Hamilton	575
Brown lime	760
Grey lime and gypsum	765
Brown and grey lime	1,040
Sharp lime	1,135
Brown lime	1,178
Grey shale and lime	1,215
Blue shale	1,230
Brown lime	1,247
Blue shale	1,330
Brown lime	1,469
Brown lime and shale	1,480
Blue shale	1,556
Salt	1,565
Brown lime	1,575
Salt and lime	1,605
Salt	1,795
Brown lime	1,887
Grey lime	1,946
Salt	2,005
Brown lime	2,125
Grey lime	2,141
Brown lime	2,180

Fresh water at 150 feet; salt water at 685 feet; sulphur water at 1,140 feet.

IMPERIAL OIL, LTD.

W. Stratton No. 1, lot 4, con. XI, Sombra tp.

Driller: Stubble and Stubble.
Completed November 29, 1951.
Producing gas well.
Rock pressure: 867 lbs.

Formation	Depth, ft.
Surface	205
Black shale	393
Hamilton	619
Brown and grey lime	858
Brown lime	948
Sharp brown and grey lime	1,151
Brown and grey lime	1,235
Grey and blue lime	1,269
Brown, blue and grey lime	1,622
Salt and lime streaks	1,873
Brown and grey lime	2,022
Salt	2,078
Brown lime	2,100
Grey lime	2,173
Brown lime and gypsum	2,175
Brown lime	2,184

Gas at 2,082, and 2,090–2,098 feet.
Oil at 2,098–2,100.
Salt water at 733 feet.

IMPERIAL OIL, LTD.

J. Vye No. 1, lot 21, con. XI, Sombra tp.

Driller: R. McPherson.
Completed February 28, 1951.
Dry hole.

Formation	Depth, ft.
Surface	90
Black shale	110
Soap	150
Black shale	310
Hamilton	524
Grey lime	530
Brown lime	863
Brown and grey lime	975
Sharp lime	1,010
Brown lime	1,075
Blue shale	1,240
Brown lime and blue shale	1,380
Blue shale	1,460
Salt and shale	1,480
Salt	1,690
Dark brown lime	1,750
Blue shale and lime	1,842
Salt	1,898
Lime	2,010
Grey Guelph lime	2,031
Brown lime	2,056
Grey lime	2,160
Blue shale	2,164

Show of oil at 2,028 feet.
Fresh water at 90 feet; salt water at 580 feet.

IMPERIAL OIL, LTD.

J. and M. Wees No. 1, lot 26, con. VII, Sombra tp.

Driller: R. McPherson.
Completed January 16, 1951.
Dry hole.

Formation	Depth, ft.
Surface	68
Black shale	390
Grey lime	450
Soap	560
Middle lime	575
Soap	605
Brown lime	1,030
Sharp sand	1,160
Brown lime	1,260
Blue and brown lime	1,295
Blue lime	1,423
Brown and blue lime	1,809
Salt	1,840
Brown lime	2,026
Grey lime	2,093
Grey shale	2,107

Salt water at 700, and 2,016–2,026 feet.

Lambton County—Continued

IMPERIAL OIL, LTD.

C. Blake No. 1, lot 22, con. XI, Sombra tp.

Driller: R. McPherson.
Completed May 20, 1952.
Dry hole.

Formation	Depth, feet
Surface	105
Port Lambton shale	146
Black shale	298
Hamilton	513
Brown lime	867
Sharp, brown and grey lime	994
Brown and grey lime	1,072
Brown and blue lime and gypsum	1,091
Brown and blue lime	1,123
Brown and blue lime and gypsum	1,158
Blue shale	1,229
Brown and blue lime	1,440
Salt and lime shells	1,687
Brown lime	1,738
Grey and brown lime	1,826
Salt	1,880
Brown lime	1,937
Brown and grey lime	2,085
Grey lime	2,150
Grey shale	2,155

Sulphur water at 610-19 feet; salt water at 2,060-70 feet.

IMPERIAL OIL, LTD.

A. Branton No. 1, lot 8, con. X, Sombra tp.

Driller: R. McMaster and Sons.
Completed January 30, 1952.
Dry hole.

Formation	Depth, feet
Surface	140
Port Lambton	180
Huron	360
Hamilton	565
Brown lime	1,176
Lime and gypsum	1,212
Lime and blue shale	1,240
Blue shale and gypsum	1,250
Blue shale and lime	1,305
Brown and grey lime	1,436
Lime and shale	1,535
Salt and lime	1,813
Brown and grey lime	1,920
Lime and salt	2,016
Gypsum	2,020
Brown and grey lime	2,250
Rochester shale	2,255

Fresh water at 140 feet; sulphur water at 600 feet; salt water at 2,195 feet.

IMPERIAL OIL, LTD.

A. and A. Boston No. 1, lot 15, con. XI, Sombra tp.

Driller: R. McMaster and Sons.
Completed June 6, 1952.
Dry hole.

Formation	Depth, feet
Surface	127
Blac nd grey shale	327
Hamilton	540
Brown lime	671
Grey sandy lime	753
Brown lime	925
Sharp lime	1,048
Brown lime	1,145
Brown and blue lime and shale	1,298
Brown and blue lime	1,500
Salt	1,518
Grey lime	1,526
Salt and lime	1,540
Grey lime	1,555
Salt	1,730
Brown and grey lime	1,879
Lime and salt	1,887
Salt	1,982
Brown and grey lime	2,208
Shale	2,214

Fresh water at 122 feet; sulphur water at 663 feet; salt water at 2,183 feet.

IMPERIAL OIL, LTD.

A. and N. Ellis No. 1, lot 1, con. IX, Sombra tp.

Driller: C. Carter.
Completed March 19, 1952.
Producing gas well.
Rock pressure: 935 lb.

Formation	Depth, feet
Surface	199
Black shale	427
Hamilton	660
Brown lime	785
Water sand	808
Brown lime	872
Grey lime and gypsum	900
Grey lime	1,000
Brown lime	1,064
Grey lime	1,303
Grey lime and shale	1,383
Brown lime	1,409
Blue shale	1,473
Blue shale and brown lime	1,491
Brown and grey lime	1,576
Blue shale	1,700
Lime and shale	1,718
Brown lime	1,787
Lime, shale and gypsum	1,813
Brown lime	1,993

Gas at 1,813–39, 1,866–82, 1,893-906, 1,913 22, and 1,944–91 feet.
Show of oil at 1,991–93 feet.
Sulphur water at 763 feet.

Lambton County—Continued

IMPERIAL OIL, LTD.

L. Gormley No. 1, lot 3, con. XI, Sombra tp.

Driller: C. Carter.
Completed May 29, 1952.
Dry hole.

Formation	Depth, feet
Surface	186
Black shale	440
Hamilton	650
Brown lime	765
Water sand	790
Grey lime	800
Water sand	814
Brown lime	863
Grey lime and gypsum	873
Grey lime	968
Brown lime and gypsum	978
Dark-grey lime	1,002
Sharp lime	1,110
Grey lime	1,132
Sharp grey lime	1,154
Grey lime	1,257
Blue shale	1,270
Grey lime	1,304
Blue shale and lime	1,310
Blue shale and gypsum	1,325
Blue shale	1,355
Blue shale and gypsum	1,387
Brown lime and blue shale	1,655
Salt and lime	1,868
Brown and grey lime	1,988
Lime and gypsum	2,015
Salt	2,070
Gypsum	2,077
Brown lime	2,127
Grey and brown lime	2,265
Grey lime	2,337

Fresh water at 105 feet; sulphur water at 725, 750, and 765 feet; black and salt water at 800 feet.

IMPERIAL OIL, LTD.

G. Hetherington No. 1, lot 11, con. IX, Sombra tp.

Driller: R. McPherson.
Completed December 31, 1952.
Dry hole.

Formation	Depth, feet
Surface	130
Huron shale	470
Hamilton	745
Brown lime	961

Fresh water at 130 feet; sulphur water at 858 feet.

IMPERIAL OIL, LTD.

W. Hinnegan No. 1, lot 5, con. XI, Sombra tp.

Driller: C. Carter.
Completed November 29, 1952.
Producing gas well.
Rock pressure: 865 lb.

Formation	Depth, feet
Surface	180
Black shale	380
Hamilton	591
Grey and brown lime	986
Sharp grey lime	1,108
Brown lime and grey lime	1,190
Lime and blue shale	1,268
Blue shale and gypsum	1,284
Blue shale	1,350
Blue shale and brown lime	1,392
Shale, lime and gypsum	1,440
Blue shale and brown lime	1,565
Salt shale and lime	1,833
Brown lime	1,905
Grey lime and shale	1,965
Gypsum and shale	2,016
Lime and gypsum	2,025
Brown lime	2,055

Gas at 2,040–50 feet.
Sulphur water at 700 feet.

IMPERIAL OIL, LTD.

J. Horley No. 1, lot 20, con. VII, Sombra tp.

Driller: R. McPherson.
Completed October 24, 1952.
Producing oil well.

Formation	Depth, feet
Surface	75
Black and grey shale	285
Hamilton	497
Brown lime	849
Sharp lime	965
Brown lime	1,073
Blue shale	1,195
Brown lime	1,240
Grey lime	1,285
Blue and brown lime	1,318
Grey lime	1,410
Salt	1,585
Brown lime	1,763
Salt	1,803
Brown lime	1,922
Gypsum	1,935
Brown and grey lime	2,065
Blue shale	2,075

Gas at 1,948–50 and 1,958–59 feet.
Oil at 1,950–52 feet.
Fresh water at 70 feet; sulphur water at 590 feet; salt water at 1,959 feet.

IMPERIAL OIL, LTD.

P. Johnston No. 1, lot A, con. IX, Sombra tp.

Driller: R. McMaster and Sons.
Completed April 24, 1952.
Dry hole.

Formation	Depth, feet
Surface	80
Gravel	220
Gravel and sand	260
Black shale	540
Hamilton	822
Brown lime	860
Sand	870
Brown lime	1,195
Sharp brown and grey lime	1,342
Brown lime	1,478
Blue shale	1,491
Brown lime	1,526
Brown and blue shaly lime	1,623
Brown and blue lime	1,880
Lime and gypsum	1,895
Grey lime, blue lime	2,022
Brown lime and gypsum	2,036
Brown and grey lime	2,300
Grey shale	2,305

Fresh water at 200 feet; sulphur water at 850 feet; salt water at 2,230 feet.

Lambton County—Continued

IMPERIAL OIL, LTD.

J. Jones No. 1, lot 14, con. VI, Sombra tp.

Driller: C. Carter.
Completed October 9, 1952.
Producing gas well.
Rock pressure: 901 lb.

Formation	Depth, feet
Surface	112
Grey and black shale	304
Hamilton	550
Brown lime	612
Grey and brown lime and water sand	742
Lime and gypsum	747
Brown and grey lime	770
Brown lime and gypsum	780
Grey lime	820
Brown lime	924
Sharp grey lime	1,126
Grey and blue lime	1,220
Blue shale and grey and brown lime	1,380
Blue shale and gypsum	1,390
Blue shale and brown lime	1,497
Grey lime and gypsum	1,504
Blue shale and brown lime	1,625
Water sand	1,645
Grey and brown lime	1,700
Blue shale	1,746
Gypsum and salt	1,791
Gypsum and dark lime	1,807
Brown and grey lime and slate	1,900
Gypsum	1,908
Gypsum and brown lime	1,911
Brown lime	1,944

Gas at 100, 1,796, 1,919–21, 1,922–27 feet.
Show of oil at 1,928 feet.
Fresh water at 100 feet; sulphur water at 635–60, 675, and 703–24 feet; salt water at 1,630 and 1,928 feet.

IMPERIAL OIL, LTD.

A. and A. Shepley No. 1, lot 13, con. XI, Sombra tp.

Driller: R. McMaster and Sons.
Completed January 17, 1952.
Dry hole.

Formation	Depth, feet
Surface	130
Huron	346
Hamilton	555
Brown lime	676
Sand lime	750
Brown lime	875
Lime and gypsum	891
Brown lime	927
Sharp lime	971
Brown lime	1,031
Sharp lime	1,087
Brown lime	1,183
Lime and shale	1,420
Lime and gypsum	1,430
Lime and shale	1,495
Shale and gypsum	1,517
Salt and lime streaks	1,762
Brown lime	1,894
Lime and gypsum	1,903
Salt	1,975
Lime and gypsum	1,981
Brown and grey lime	2,241
Shale	2,253

Fresh water at 126 feet; sulphur water at 676 feet.

UNION GAS CO. OF CANADA, LTD.

D., F., and J. Pettit No. 1, lot 29, con. XV, Sombra tp.

Driller: Wayne Kiser and Son.
Completed December 8, 1953.
Dry hole.

Formation	Depth, feet
Surface	82
Black shale	187
Hamilton	417
Brown lime	830
Sharp lime	985
Brown lime	1,081
Blue, brown and grey lime	1,155
Blue and grey lime and gypsum	1,175
Blue, grey and brown lime	1,460
Salt	1,480
Brown lime	1,489
Salt and lime	1,702
Brown lime	1,794
Brown and blue lime	1,842
Salt	1,915
Brown lime	2,097
Brown and grey lime and gypsum	2,083
Brown lime	2,089
Grey lime	2,165
Blue shale	2,170

Fresh water at 80 feet; sulphur water at 580 and 620 feet.

IMPERIAL OIL, LTD.

E. Smith No. 1, lot 15, con. X, Sombra tp.

Driller: R. McMaster and Sons.
Completed February 29, 1952.
Dry hole.

Formation	Depth, feet
Surface	130
Black shale	340
Hamilton	548
Brown lime	1,045
Sharp lime	1,085
Brown lime	1,162
Shale and lime	1,271
Brown, blue and grey lime	1,425
Grey shale and lime	1,494
Salt and lime	1,731
Brown and grey lime	1,880
Salt	1,940
Lime and gypsum	1,948
Brown lime	2,052
Brown and grey lime	2,197
Grey shale	2,200

Fresh water at 120 feet; sulphur water at 670 feet.

Lambton County—Continued

IMPERIAL OIL, LTD.

W. Tretheway No. 1, lot 2, con. XIII, Sombra tp.

Driller: Stubble and Stubble.
Completed April 16, 1952.
Dry hole.

Formation	Depth, feet
Surface	150
Dark grey shale	199
Black shale	409
Hamilton	648
Brown and grey lime	835
Brown lime and gypsum	872
Grey, brown and blue lime	998
Sharp brown and grey lime	1,165
Grey and brown lime	1,252
Blue lime and gypsum	1,260
Blue and brown lime	1,304
Brown lime and gypsum	1,310
Brown and blue and grey lime	1,552
Brown lime and salt	1,560
Blue shale and grey shale	1,645
Grey lime, salt and brown lime	1,815
Salt	1,885
Brown lime	1,902
Salt	1,919
Grey and brown lime	2,085
Salt	2,152
Brown lime and gypsum	2,157
Brown lime	2,193
Grey lime	2,214
Brown lime	2,268
Grey lime	2,286
Brown lime	2,306
Grey lime	2,406
Shale	2,411

Sulphur water at 734 and 776 feet.

IMPERIAL OIL, LTD.

G. and W. Young, No. 1, lot 2, con. XIII, Sombra tp.

Driller: Stubble and Stubble.
Completed February 12, 1952.
Dry hole.

Formation	Depth, feet
Surface	160
Port Lambton	199
Black shale	408
Hamilton	635
Grey lime and shells	654
Brown lime	831
Brown lime and gypsum	875
Brown lime	1,020
Brown and grey lime	1,160
Brown and grey lime	1,242
Brown and blue lime	1,273
Grey lime	1,297
Brown and blue lime	1,312
Brown lime and gypsum	1,319
Blue lime, blue shale and brown lime	1,635
Salt and lime	1,909
Brown and grey lime	2,070
Salt	2,140
Brown lime	2,260
Grey lime	2,276
Brown lime	2,299
Brown and grey lime	2,321
Grey lime	2,393
Rochester shale	2,402

Fresh water at 100 feet; sulphur water at 742 feet.

IMPERIAL OIL, LTD.

E. Faulds No. 1, lot 30, con. V, north of Egremont Road, Warwick tp.

Driller: R. McPherson.
Completed September 18, 1952.
Dry hole.

Formation	Depth, feet
Surface	130
Hamilton	368
Brown lime	767
Sharp brown and grey lime	988
Brown lime	1,098
Blue lime and gypsum	1,108
Brown and blue lime	1,339
Lime and salt	1,349
Blue shale	1,400
Lime and salt	1,410
Brown lime	1,425
Lime and salt	1,632
Brown lime	1,933
Brown and grey lime	1,992
Brown lime	2,017
Grey lime	2,061
Brown lime	2,150
Brown and blue lime	2,163
Grey lime	2,180
Grey shale	2,193

Black water at 475–85 feet.

IMPERIAL OIL, LTD.

C. Huctwith No. 1, lot 11, con. IV, north of Egremont Road, Warwick tp.

Driller: R. McMaster and Sons.
Completed October 28, 1952.
Dry hole.

Formation	Depth, feet
Surface	54
Black shale	124
Hamilton	408
Brown lime	525
Brown lime and gypsum	548
Brown lime	835
Sharp brown lime	995
Brown lime	1,060
Blue and brown lime	1,280
Brown lime and salt	1,440
Brown lime	1,510
Lime, shale and salt	1,602
Salt	1,640
Lime and salt	1,874
Brown and grey lime	2,020
Salt	2,106
Brown and grey lime	2,342
Grey shale	2,351

Gas at 215 feet.
Fresh water at 48 feet; sulphur water at 535 feet.

IMPERIAL OIL, LTD.

J. Moffatt No. 1, lot 14, con. VI, south of Egremont Road, Warwick tp.

Driller: R. McPherson.
Completed April 23, 1952.
Dry hole.

Formation	Depth, feet
Surface	90
Black shale	150
Grey lime and soap	173
Shale	185
Soap	190
Grey lime	195
Soap and lime	240
Soap	360
Lime	385
Soap	395
Soap and lime	417
Brown lime	450
Grey and brown lime	570

Sulphur water at 540 feet.

Lambton County Continued

IMPERIAL OIL, LTD.—No. 383

G. Gray No. 1, lot 3, con. VI, Sombra tp.

Location: 2,000 ft. N., 200 ft. W.
Elevation: 585+2 ft.
Driller: C. Carter.
Completed: June 8, 1953.
Result: dry hole.

Formation	Depth ft.
Surface	145
Huron	410
Hamilton	655
Brown lime	717
Grey lime	738
Brown lime	753
Grey lime	818
Brown lime	1,082
Sharp lime	1,178
Brown lime	1,248
Blue shale and brown lime	1,523
Lime and gypsum	1,540
Brown lime and blue shale	1,640
Brown lime and salt	1,679
Brown lime	1,689
Salt and lime	1,698
Brown lime	1,804
Lime and shale	1,839
Lime and gypsum	1,854
Salt and gypsum	1,859
Salt	1,898
Gypsum	1,906
Grey and brown lime	2,088
Grey lime	2,167

Show of oil at 1,920 ft.
Fresh water at 140 ft.; black water at 760 ft.; salt water at 1,100 and 2,050 ft.

IMPERIAL OIL, LTD.—No. 382

W. Hinnegan No. 2, lot 5, con. XI, Sombra tp.

Location: 800 ft. S., 500 ft. E.
Elevation: 608 ft.
Driller: Stubble and Stubble.
Completed: June 19, 1953.
Rock pressure: 925 lb.
Result: producing gas well.

Formation	Depth ft.
Surface	178
Black shale	390
Hamilton	609
Grey lime	762
Brown lime and gypsum	900
Brown lime	1,010
Sharp lime	1,125
Brown lime	1,217
Grey and brown lime	1,590
Salt and lime	1,854
Brown lime	1,919
Grey and blue lime	1,975
Light-grey lime and gypsum	1,999
Salt and gypsum	2,049
Brown lime	2,087
Grey lime	2,116
Brown lime	2,142
Grey lime	2,173
Brown and grey lime	2,190
Grey lime	2,312
Grey shale	2,318

Gas at 2,069–75 ft.
Show of oil at 2,121 ft.
Fresh water at 155 ft.; sulphur water at 640 ft.

IMPERIAL OIL, LTD.—No. 363

H. Henry No. 1, lot 5, con. XI, Sombra tp.

Location: 450 ft. N., 440 ft. W.
Elevation: 607 ft.
Driller: C. Carter.
Completed: Feb. 13, 1953.
Result: dry hole.

Formation	Depth ft.
Surface	190
Black and blue shale	380
Hamilton	587
Grey and brown lime	810
Sharp lime	885
Grey lime	964
Sharp lime	1,089
Grey lime	1,113
Water sand	1,147
Sand and lime	1,177
Grey lime and blue shale	1,342
Brown lime	1,402
Lime, shale, and gypsum	1,415
Brown and blue lime	1,435
Brown lime	1,555
Lime and salt	1,795
Brown lime	1,962
Salt	2,026
Gypsum and salt	2,035
Gypsum and lime	2,037
Brown lime	2,139
Lime and shale	2,178
Blue shale and lime	2,231
Grey lime	2,295
Grey shale	2,300

Black salt water at 606 ft.; sulphur water at 1,115 and 2,220 ft.

IMPERIAL OIL, LTD.—No. 395

St. Clair Gordon No. 1, lot 6, con. XI, Sombra tp.

Location: 1,600 ft. S., 1,020 ft. E.
Elevation: 611 ft.
Driller: Stubble and Stubble.
Completed: Aug. 14, 1953.
Rock pressure: 923 lb.
Result: producing gas well.

Formation	Depth ft.
Surface	180
Black shale	375
Hamilton	595
Brown and grey lime	1,026
Sharp, grey lime	1,128
Brown lime	1,200
Blue and brown lime	1,572
Salt and shells	1,821
Brown lime	1,934
Grey lime	2,024
Salt	2,042
Brown lime	2,047
Grey lime	2,051
Brown lime	2,102
Grey lime	2,132
Brown and grey lime	2,143
Grey lime	2,177
Brown and grey lime	2,194
Light-grey lime	2,220

Gas at 2,042–47, 2,056–60, and 2,064–66 ft.
Show of oil at 2,185 ft.
Fresh water at 145 ft.; sulphur water at 702 ft.; salt water at 2,185 ft.

Lambton County—Continued

IMPERIAL OIL, LTD.—No. 402

M. Strangway No. 1, lot 10, con. IX, Sombra tp.

Location: 1,400 ft. N., 350 ft. W.
Elevation: 582 ft.
Driller: English and Mullin.
Completed: Sept. 11, 1953.
Result: dry hole.

Formation	Depth ft.
Surface	111
Grey, blue, and black shale	320
Hamilton	550
Brown and grey lime	1,041
Sharp lime	1,168
Brown lime and shale	1,285
Brown lime and gypsum	1,301
Blue shale	1,388
Blue lime	1,396
Brown lime	1,410
Blue shale and gypsum	1,418
Brown lime	1,527
Blue lime	1,607
Brown and blue lime	1,661
Brown lime	1,720
Grey lime	1,761
Brown lime	1,765
Blue lime	1,771
Brown lime and gypsum	1,820
Brown lime	1,884

Small show of gas at 108 ft.
Fresh water at 108 ft.; sulphur water at 608 ft.; salt water at 1,877 ft.

IMPERIAL OIL, LTD.—No. 413

E. Workman No. 1, lot 6, con. XI, Sombra tp.

Location: 1,400 ft. N., 300 ft. W.
Elevation: 607+2 ft.
Driller: English and Mullin.
Completed: Nov. 3, 1953.
Result: dry hole.

Formation	Depth ft.
Surface	172
Black shale	365
Hamilton	579
Grey and brown lime and gypsum	998
Sharp, brown and grey lime	1,100
Brown and grey lime	1,176
Brown and blue lime and blue shale	1,565
Salt	1,821
Brown lime	1,952
Blue lime	1,976
Blue lime and gypsum	1,985
Salt	2,015
Salt and gypsum	2,022
Brown lime	2,196
Grey lime	2,211
Brown lime	2,238
Grey lime	2,330
Blue shale	2,335

Fresh water at 159 ft.; sulphur water at 693 ft.

IMPERIAL OIL, LTD.—No. 373

W. Wadsworth No. 1, lot 3, con. VI, Sombra tp.

Location: 500 ft. N., 80 ft. E.
Elevation: 373 ft.
Driller: C. Carter.
Completed: Mar. 31, 1953.
Result: dry hole.

Formation	Depth ft.
Surface	152
Huron	400
Hamilton	695
Brown lime	768
Lime and water sand	778
Grey lime	815
Brown lime	967
Grey lime and water sand	1,021
Brown lime	1,103
Grey lime	1,247
Brown lime	1,313
Blue shale and brown lime	1,618
Lime and gypsum	1,641
Blue shale and lime	1,740
Brown lime	1,853
Blue shale, lime, and gypsum	1,883
Gypsum	1,898
Brown lime	2,012
Lime and gypsum	2,021
Brown lime	2,057
Grey lime	2,162
Rochester	2,166

Gas at 1,898–1,903, 1,907–14, and 1,943 ft.
Show of oil at 1,943 ft.
Fresh water at 137 ft.; black sulphur water at 820 ft.; salt water at 1,742 ft.

STANWELL OIL AND GAS, LTD.—No. 1

M. O'Leary No. 1, lot A, con. VI, Sombra tp.

Location: 250 ft. S., 100 ft. E.
Elevation: 587 ft.
Driller: R. McPherson.
Completed: Nov. 17, 1953.
Result: dry hole.

Formation	Depth ft.
Surface	152
Black shale	376
Hamilton	589
Brown lime	965
Sharp lime	1,146
Brown lime	1,227
Lime and gypsum	1,237
Blue and brown lime	1,252
Lime and gypsum	1,309
Blue and brown lime	1,371
Lime and gypsum	1,395
Blue and grey lime and shale	1,563
Shale and gypsum	1,598
Salt	1,750
Brown lime	1,830
Lime and gypsum	1,899
Grey lime	1,913
Salt	1,954
Brown lime	2,019
Lime and gypsum	2,089
Brown lime	2,213
Rochester	2,228

Surface gas at 137-52 ft.
Fresh water at 137 ft.; salt water at 718, 739, and 754 ft.

SOMBRA

Imperial Oil Co # 375

O Caron #1 lot 5 Con IX Sombra
1000' N
100' W Elev 605±2

Comp Apr 3 '53 Dry Hole

Surface	160
Huron	362
Hamilton	570
Grey & brown lime	1030
Sharp grey lime	1078
Brown lime	1141
Blue & brown lime	1338
Do & gypsum	1366
Brown lime	1411
Do & gypsum	1428
Brown & grey lime	1473
Grey shale	1512
Salt shale & lime	1770
Brown lime	1852
Grey lime	1970
Salt & lime	1971
Grey lime & gypsum	1978
Brown lime	2145
Grey lime	2232
Grey shale Rochester	2238

Fresh water 145' Black sulphur water 675'

UNION GAS Co Dawn 165
E Selman #1 lot 22 Con. XIV
350' S 750' E Elev 615
Comp Feb 17th 53 Dry Hole

Surface	99
Grey shale	155
Black shale	300
Hamilton	521
Brown lime	934
Sharp lo	1043
Brown lo	1117
Brown blue lo & gyp	1135
Brown & grey lo.	1158
Brown lo. & gyp	1180
Brown grey & blue lo.	1493
Salt & lime	1741
Brown & grey lo.	1891
Salt & lo.	1963
Brown & grey lo	2077
Do & gyp	2107
Brown lo	2185
Grey lo	2209
Blue shale	2217

Fresh water 98 Sulphur water 580 Salt water 2143

UNION-IMPERIAL - No. 32
D. Campbell No. 2
Moore Tp., Lot 9, Con. II.

Co-ordinates: 350' S., 75' E.
Elevation: 621' + 2'.
Driller: Wayne Kiser and Son.
Completed: October 22, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	112	112
Kettle Point	136	248
Hamilton	256	504
Brown lime	409	913
Sharp lime	195	1,108
Brown lime	90	1,198
Lime and gypsum	374	1,572
Salt and lime	248	1,820
Brown lime	144	1,964
Salt and lime	56	2,020
Brown lime	120	2,140
Lime and gypsum	28	2,168
Brown lime	56	2,224
Grey lime	63	2,287
Rochester	6	2,293

Water	Gas	Oil
Fresh at 110'	Show at 2,168' to 2,171'	Show at 2,168' to 2,171'
Sulphur at 623' to 663'		

CLAYTON DENNIS - No. 1
C. Dennis No. 1
Plympton Tp., Lot 8, Con. III.

Co-ordinates: 675' N., 160' E.
Elevation: 703' + 1'.
Driller: W. J. Hussey.
Completed: February 15, 1954.
Result: Producing gas well.
Reported flow: 4 M.C.F./day; W.H.P. -

Formation	Thickness feet	Depth feet
Surface	172	172
Top rock	58	230
Upper soap	120	350
Middle lime	17	367
Lower soap	48	415
Grey and buff lime	49	464

Water	Gas
Fresh at 172'	At 435', 450' and 459'

Formation	Thickness feet	Depth feet
Surface	130	130
Black shale	58	188
Hamilton	297	485
Brown lime	495	980
Sharp lime	130	1,110
Brown lime	150	1,260
Brown and grey lime and gypsum	127	1,387
Salt	20	1,407
Brown lime	8	1,415
Salt	47	1,462
Grey lime and gypsum	21	1,483
Salt	52	1,535
Brown and grey lime	38	1,573
Salt	67	1,640
Brown and grey lime and gypsum	83	1,723
Salt	37	1,760
Brown lime and gypsum	85	1,845
Salt	295	2,140
Brown lime	60	2,200
Brown and grey lime	90	2,290
Salt	84	2,374
Brown lime	126	2,500
Grey lime, shale and gypsum	40	2,540
Brown lime	30	2,570
Grey lime	50	2,620
Grey shale	3	2,623

Water
Sulphur at 610'

IMPERIAL OIL LTD. - No. 425
M. Crawford No. 2
Sombra Tp., Lot 14, Con. XI.

Co-ordinates: 500' S., 900' W.
Elevation: 602' + 2'.
Driller: R. McPherson.
Completed: February 10, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	131	131
Black shale	208	339
Hamilton	229	568
Brown lime	182	750
Brown and grey lime	120	870
Sharp lime	212	1,082
Brown lime	138	1,220
Blue, brown and grey lime	301	1,521
Lime and salt	19	1,540
Blue lime	5	1,545
Salt and lime	223	1,768
Brown lime and grey lime	142	1,910
Salt	56	1,966
Brown lime	114	2,080
Gypsum	10	2,090
Brown lime	70	2,160
Grey lime	59	2,219
Grey shale	11	2,230

Water	Oil	Gas
Fresh at 129'	Trace at 2,101'	Show at 1,980'
Sulphur at 680'	to 2,107'	to 1,991'
Salt at 2,106'		

IMPERIAL OIL LTD. - No. 421; Bickford No. 19
R. Glarneau No. 1
Sombra Tp., Lot 6, Con. XI.

Co-ordinates: 250' S., 50' E.
Elevation: 609' + 2'.
Driller: English and Mullin.
Completed: January 27, 1954.
Result: Producing gas well.
Reported flow: 2,400 M.C.F./day; W.H.P. 928 lbs.

Formation	Thickness feet	Depth feet
Surface	165	165
Black shale	205	370
Hamilton	222	592
Brown lime	158	750
Brown and grey lime	145	895
Sharp lime	208	1,103
Brown lime	97	1,200
Brown and grey lime and gypsum	321	1,521
Salt and lime	209	1,730
Brown lime	95	1,825
Gypsum	19	1,844
Brown lime	28	1,872

Water	Gas
Fresh at 160'	At 1,844' to 1,872'
Sulphur at 700'	

IMPERIAL OIL LTD. - No. 433; Bickford No. 20
W. Young No. 1
Sombra Tp., Lot 6, Con. XII.

Co-ordinates: 300' N., 800' E.
Elevation: 611' + 2'.
Driller: R. McMaster and Sons;
Union Rotary Corporation
Completed: June 6, 1954.
Result: Producing gas well.
Reported flow: 4,100 M.C.F./day; W.H.P. 972 lbs.

Formation	Thickness feet	Depth feet
Surface	176	176
Black shale	194	370
Hamilton	220	590
Brown lime and gypsum	330	920
Sharp sand	163	1,083
Brown lime	75	1,158
Brown lime and gypsum	67	1,225
Blue and brown lime	293	1,518
Salt	10	1,528
Blue lime and shale	22	1,550
Salt	167	1,717
Brown lime	92	1,809
Gypsum	14	1,823
Brown lime	322	2,145
Grey lime	195	2,340
Rochester	20	2,360
Clinton	11	2,371
Green and red shale	4	2,375

Water	Oil	Gas
Fresh at 138' to 150'	Trace at 2,141' to 2,245'	At 1,823' to 2,077'

Lambton County - Continued

IMPERIAL OIL LTD. - No. 439
W. Dubeau No. 2
Sombra Tp., Lot 27, Con. VII.

Co-ordinates: 700' S., 600' E.
Elevation: 608' + 2'.
Driller: R. McMaster and Sons.
Completed: June 19, 1954.
Result: Producing gas well.
Reported flow: 544 M.C.F./day; W.H.P. 793 lbs.

Formation	Thickness feet	Depth feet
Surface	70	70
Black shale	270	340
Hamilton	230	570
Brown lime	415	985
Sharp lime	149	1,134
Brown lime	176	1,310
Brown and blue lime and gypsum	200	1,510
Blue lime and gypsum	100	1,610
Brown lime	100	1,710
Grey lime and shale	50	1,760
Gypsum and salt	16	1,776
Brown lime	104	1,880
Grey lime, shale and gypsum	23	1,903
Brown lime	57	1,960
Grey lime	59	2,019
Grey shale	7	2,026

Water	Gas
Sulphur at 665'	At 1,616' to 1,628'
Salt at 1,633' to 1,637'	and 1,644' to 1,651'

IMPERIAL OIL LTD. - No. 460; Charlemont No. 3
D. McCreary No. 1
Sombra Tp., Lot 28, Con. VII.

Co-ordinates: 300' S., 300' E.
Elevation: 609' + 2'.
Driller: R. McMaster and Sons.
Completed: August 10, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	72	72
Black shale	248	320
Hamilton	245	565
Brown lime	135	700
Brown lime and grey lime	200	900
Sharp lime	240	1,140
Brown lime	160	1,300
Brown, grey lime and gypsum	200	1,500
Grey lime, shale and gypsum	132	1,632
Brown lime	98	1,730
Grey lime and gypsum	45	1,775
Brown lime	75	1,850
Grey lime and gypsum	55	1,905
Brown lime	55	1,960
Grey lime	55	2,015
Grey shale	10	2,025

Water	Gas
Fresh at 78'	At 1,655', 1,775' to 1,776'
Sulphur at 618'	1,781' to 1,785'
Salt at 1,636' to 1,643'	
1,655' to 1,660'	
1,799' to 1,806'	

IMPERIAL OIL LTD. - No. 454; Becher No. 73
H. Tullock No. 1
Sombra Tp., Lot 15, Con. VI.

Co-ordinates: 500' S., 100' E.
Elevation: 590' + 2'.
Driller: English and Mullin.
Completed: July 14, 1954.
Result: Producing gas well.
Reported flow: 276 M.C.F./day; W.H.P. 908 lbs.

Formation	Thickness feet	Depth feet
Surface	130	130
Black shale	170	300
Hamilton	215	515
Brown lime	135	650
Brown lime and gypsum	230	880
Sharp lime	170	1,050
Brown lime	150	1,200
Brown and grey lime and gypsum	240	1,440
Grey shale and gypsum	104	1,544
Salt	66	1,610
Brown lime	90	1,700
Grey lime and shale	80	1,780
Salt	40	1,820
Brown lime	70	1,890
Grey lime and gypsum	25	1,915
Brown lime	10	1,925

Water	Gas
Fresh at 90' to 130'	At 1,913' to 1,925'
Sulphur at 620'	

IMPERIAL OIL LTD. - No. 465; Bickford No. 21
W. Young No. 2
Sombra Tp., Lot 6, Con. XII.

Co-ordinates: 1720' N., 100' W.
Elevation: 612' + 2'.
Driller: English and Mullin.
Completed: September 16, 1954.
Result: Producing gas well.
Reported flow: 3,000 M.C.F./day; W.H.P. 928 lbs.

Formation	Thickness feet	Depth feet
Surface	140	140
Black shale	220	360
Hamilton	230	590
Brown lime	110	700
Brown and grey lime	200	900
Sharp lime	205	1,105
Brown lime	105	1,210
Brown and grey lime and gypsum	200	1,410
Grey lime and shale and gypsum	105	1,515
Salt	235	1,750
Brown lime	50	1,800
Grey lime	50	1,850
Gypsum	40	1,890
Brown lime	31	1,921

Water	Gas
Fresh at 140'	At 230', 1,893' to 1,900',
Sulphur at 703'	1,911' to 1,916'
	and 1,919' to 1,921'

Lambton County - Continued

IMPERIAL OIL LTD. - No. 470; East Becher No. 2
D. McCreary No. 1
Sombra Tp., Lot 20, Con. VI.

Co-ordinates: 420' S., 100' W.
Elevation: 599' + 2'.
Driller: R. McMaster and Sons.
Completed: September 20, 1954.
Result: Producing gas well.
Reported flow: 238 M.C.F./day; W.H.P. 741 lbs.

Formation	Thickness feet	Depth feet
Surface	76	76
Black shale	199	275
Hamilton	210	485
Brown lime	115	600
Brown lime and grey lime	190	790
Sharp lime	160	950
Brown lime	100	1,050
Brown and grey lime and gypsum	260	1,310
Grey lime and shale and gypsum	105	1,415
Salt	185	1,600
Brown lime	100	1,700
Grey lime	55	1,755
Salt	30	1,785
Brown lime	55	1,840
Grey lime and gypsum	80	1,920
Brown lime	13	1,933

Water	Gas
Fresh at 68'	At 1,924' to 1,931'
Sulphur at 595'	

IMPERIAL OIL LTD. - No. 482; Bickford No. 22
F. Smith No. 1
Sombra Tp., Lot 6, Con. XII.

Co-ordinates: 1000' S., 800' W.
Elevation: 607' + 2'.
Driller: English and Mullin.
Completed: November 25, 1954.
Result: Producing gas well.
Reported flow: 1,600 M.C.F./day; W.H.P. 924 lbs.

Formation	Thickness feet	Depth feet
Surface	190	190
Black shale	190	380
Hamilton	230	610
Brown lime	140	750
Brown lime and grey lime	125	875
Sharp lime	245	1,120
Brown lime	130	1,250
Brown, grey lime and gypsum	200	1,450
Grey lime and shale and gypsum	130	1,580
Salt	280	1,860
Brown lime	110	1,970
Grey lime	60	2,030
Salt	35	2,065
Brown lime	45	2,110
Grey, brown lime	35	2,145
Brown lime	23	2,168

Water	Gas
Fresh at 150'	At 2066' to 2067'
Sulphur at 718'	and 2071' to 2090'

IMPERIAL OIL LTD. - No. 483
A. Ellis No. 2
Sombra Tp., Lot 1, Con. IX.

Co-ordinates: 2000' S., 360' E.
Elevation: 588' + 2'.
Driller: R. Stubble.
Completed: November 15, 1954.
Result: Producing gas well.
Reported flow: 427 M.C.F./day; W.H.P. 870 lbs.

Formation	Thickness feet	Depth feet
Surface	216	216
Black shale	269	485
Hamilton	280	765
Brown lime	135	900
Brown and grey lime	200	1,100
Sharp lime	140	1,240
Brown lime	120	1,360
Brown, grey lime and gypsum	274	1,634
Grey lime, shale and gypsum	121	1,755
Anhydrite	5	1,760
Brown lime	90	1,850
Gypsum	30	1,880
Brown lime	63	1,943

Water	Gas
Sulphur at 861' to 867'	At 200', 1,886' to 1,888'
	1,890' to 1,900'
	1,910' to 1,933'
	and 1,936' to 1,943'

IMPERIAL OIL LTD. - No. 488
Stanley Baker No. 1
Sombra Tp., Lot 4, Con. X.

Co-ordinates: 700' S., 150' E.
Elevation: 599' + 2'.
Driller: R. McMaster and Sons.
Completed: November 30, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	180	180
Black shale	220	400
Hamilton	225	625
Brown lime	125	750
Brown and grey lime	130	880
Sharp lime	230	1,110
Brown lime	190	1,300
Brown, grey lime and gypsum	230	1,530
Grey shale and gypsum	115	1,645
Salt	190	1,835
Brown lime	60	1,895
Grey lime and shale	90	1,985
Salt	65	2,050
Brown lime	50	2,100
Grey lime and shale	85	2,185
Brown lime	45	2,230
Grey lime	65	2,295
Grey shale	6	2,301

Water	Gas
Sulphur at 729'	Show at 1,150'

Lambton County - Continued

IMPERIAL OIL LTD. - No. 490
N. Robson No. 1
Sombra Tp., Lot 5, Con. XIII.

Co-ordinates: 1900' S., 400' E.
Elevation: 607' + 2'.
Driller: R. McPherson.
Completed: November 13, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	160	160
Black shale	240	400
Hamilton	230	630
Brown lime	120	750
Brown and grey lime	140	890
Sharp lime	285	1,175
Brown lime	125	1,300
Brown, grey lime and gypsum	220	1,520
Grey lime and shale	110	1,630
Salt	270	1,900
Brown lime	70	1,970
Brown, grey lime and shale	75	2,045
Salt	80	2,125
Brown lime	75	2,200
Grey, brown lime and shale	70	2,270
Brown lime	45	2,315
Grey lime	60	2,375
Grey shale	5	2,380

Water
Fresh at 190'
Sulphur at 724' to 736'

STANWELL OIL AND GAS LTD. - No. 2
G. Moran No. 2
Sombra Tp., Lot "C", Con. VII.

Co-ordinates: 1905' N., 940' E.
Elevation: 580' + 2'.
Driller: R. McPherson.
Completed: January 7, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	162	162
Black shale	190	352
Hamilton	223	575
Brown and grey lime	467	1,042
Sharp lime	82	1,124
Brown lime	56	1,180
Blue and brown lime	80	1,260
Lime and gypsum	13	1,273
Blue and brown lime	81	1,354
Lime and gypsum	56	1,410
Blue and brown lime	150	1,560
Salt and lime	209	1,769
Brown and grey lime	156	1,925
Salt	60	1,985
Grey lime	108	2,093
Lime and gypsum	20	2,113
Brown lime	30	2,143
Grey lime	94	2,237
Rochester shale	19	2,256
Clinton	10	2,266
Medina shale	17	2,283

Water
Sulphur at 633'

IMPERIAL OIL LTD. - No. 422
F. McManus No. 2
Warwick Tp., Lot 13, Con. III S.

Co-ordinates: 2040' N., 620' E.
Elevation: 722' + 2'.
Driller: Stubble and Stubble.
Completed: January 20, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	50	50
Black shale	23	73
Hamilton	275	348
Brown lime	162	510
Brown and grey lime	240	750
Sharp lime	197	947
Brown lime	89	1,036
Brown lime and gypsum	74	1,110
Blue, brown and grey lime	210	1,320
Salt and lime	26	1,346
Blue lime	70	1,416
Salt and lime	8	1,424
Brown lime	16	1,440
Salt	170	1,610
Brown lime	490	2,100
Grey lime	84	2,184
Grey shale	4	2,188

Water
Fresh at 45'
Sulphur at 475'
Salt at 2,025' to 2,035'

Oil
Show at 1,982' to 2,025'

IMPERIAL OIL LTD. - No. 443
C. Manders No. 1
Warwick Tp., Lot 14, Con. IV S.

Co-ordinates: 3200' N., 400' W.
Elevation: 747' + 2'.
Driller: Earle and Lather.
Completed: April 30, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	78	78
Black shale	32	110
Hamilton	270	380
Brown lime	145	525

Water
Sulphur at 503'

IMPERIAL OIL LTD. - No. 444
E. Jones No. 1
Warwick Tp., Lot 9, Con. III S.

Co-ordinates: 2500' S., 600' W.
Elevation: 710' + 2'.
Driller: Earle and Lather.
Completed: April 23, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	34	34
Black shale	60	94
Hamilton	271	365
Brown lime	155	520

Water
Sulphur at 485' to 490'

Lambton County - Continued

G. MASTERS AND J. BURTON - No. 1
B. Perry No. 1
Warwick Tp., Lot 14, Con. I. S.E.R.

Co-ordinates: 350' N., 500' E.
Elevation: 737' + 3'.
Driller: R. McMaster and Sons.
Completed: April 30, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	54	54
Huron	91	145
Hamilton	257	402
Norfolk	590	992
Bass Island	101	1,093
Salina	1,061	2,154
Guelph-Lockport	116	2,270
Rochester	20	2,290
Clinton	8	2,298
Medina	117	2,415
Queenston	289	2,704
Meaford-Dundas	345	3,049
Utica	98	3,147
Trenton	895	4,042
Basal beds	20	4,062
Arkose and granite	6	4,068

Water
Sulphur at 515'

Gas
Trace in Trenton

G. MASTERS AND J. BURTON - No. 2
G. Edwards No. 1
Warwick Tp., Lot 15, Con. III S.

Co-ordinates: 1914' S., 500' W. of c/1.
Elevation: 736' + 2'.
Driller: H. H. Stubble and Son.
Completed: August 5, 1954.
Result: Dry hole.

Formation		Thickness feet	Depth feet
Surface		54	54
Kettle Point		50	104
Hamilton		271	375
Dundee		97	472
Detroit River		502	974
Bass Island		101	1,075
Salina		1,010	2,085
Salt	1,261-1,270		
	1,375-1,395		
	1,486-1,506		
	1,516-1,738		
	1,878-1,940		
	A2 - 1,738		
	A1 - 1,943		
Guelph		85	2,170
Rochester		11	2,181

Water
Sulphur at 503'
Salt at 2,106'

MOUNT PETROLEUM CORPORATION
OF CANADA LTD. - No. 1
G. Manders No. 1
Warwick Tp., Lot 12, Con. V. S.E.R.

Co-ordinates: 317' S., 41 W. of c/1.
Elevation: 727' + 2'.
Driller: W. McKillop.
Completed: July 26, 1954.
Result: Dry hole.

Formation		Thickness feet	Depth feet
Surface		51	51
Kettle point		56	107
Hamilton		274	381
Dundee		93	474
Detroit River		476	950
Bass Island		106	1,056
Salina		1,057	2,113
Salt	1,268-1,283		
	1,397-1,408		
	1,497-1,549		
	1,570-1,760		
	1,907-1,965		
	A2 - 1,760		
	A1 - 1,970		
Guelph		87	2,200

Water
Sulphur at 49' and 533'

Lincoln County

CLIFFORD COON - No. 1
C. Coon No. 1
Caistor Tp., Lot 17, Con. VII.

Co-ordinates: 175' N. of S.R., 1100' W.
Elevation:
Driller: W. Packham.
Completed: June 12, 1954.
Result: Producing gas well.
Reported flow: 15 M.C.F./day; W.H.P. 100 lbs.

Formation	Thickness feet	Depth feet
Surface	30	30
Shale	2	32
Niagara and white lime	183	215
Rochester	20	235
Clinton	15	250
Red Medina	37	287
Grey shale	61	348
White Medina	9	357
Queenston	23	380

Water
Fresh at 30' and 35'
Sulphur at 75'

Gas
At 255' and 349'

Section X: Warwick Township

Chapter I: Lambton County

The Harkness Files
Volume IX
Lambton

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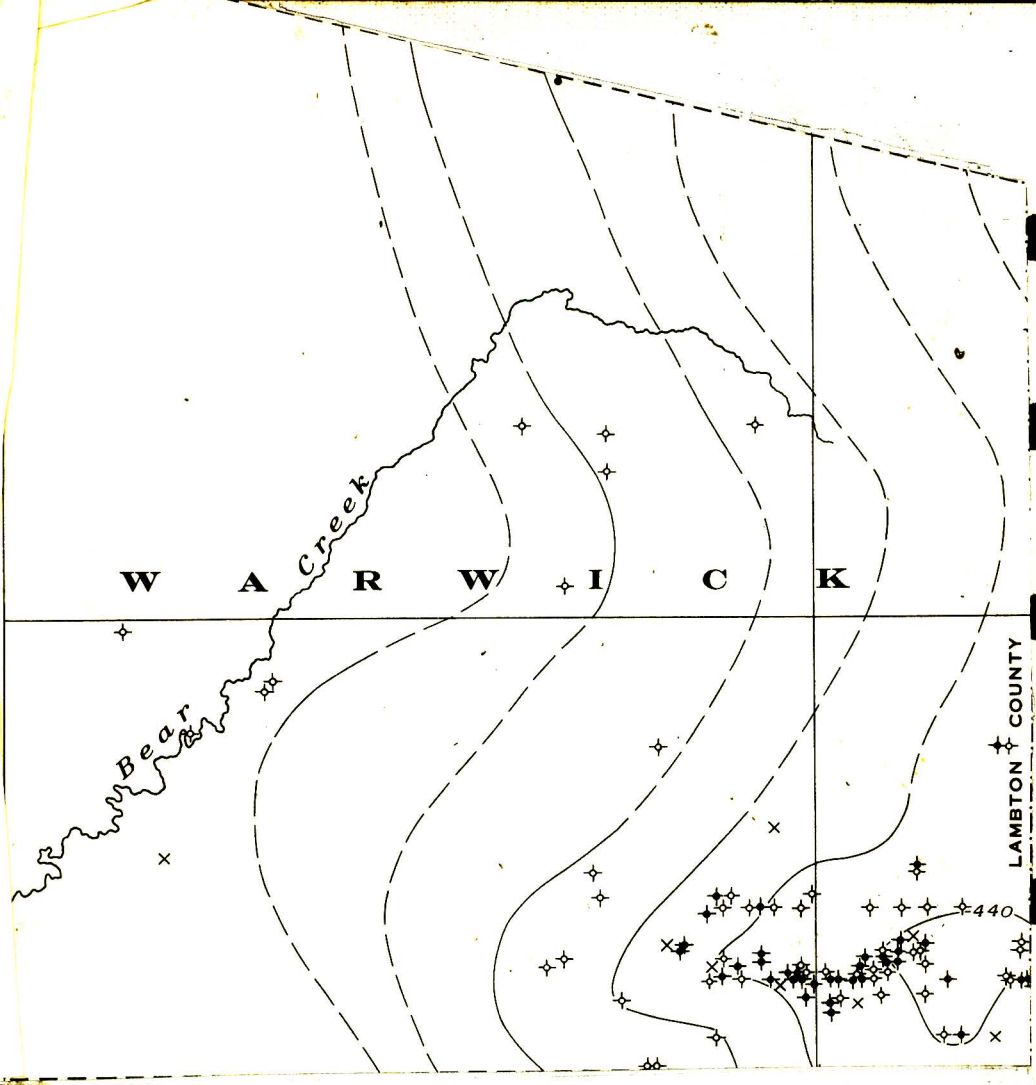
WARWICK
Bear Creek
LAMBTON COUNTY
440

Warwick Township. The Warwick oil field is about 4 miles long by 1¼ miles wide. It occupies most of lots 21 to 30, con. 5S, together with a small part of the adjoining lots in con. 4S, and part of lots 25 to 30, con. 6S, Warwick tp., and extends east into lot 1, con. 5, Adelaide tp., Middlesex co. There is also a smaller concentration of wells, chiefly on lot 4, con. 1, and lots 3 and 4, cons. 2 and 3, Metcalfe tp., Middlesex co. These wells are separated from those in Warwick township by several dry holes, but are here described with the Warwick field.

The Warwick field was discovered in 1938. The west end was quickly delimited by dry wells and drilling rapidly spread east into Adelaide and southeast into Metcalfe township. By the spring of 1941 at least 175 wells had been drilled.

Most of the wells are shallow, between 328 and 604 feet deep. Production is from the upper part of the Norfolk formation (Big Lime). The most continuous pay seems to be about 60 feet below the top of the forma-

tion, although there may be as many as four pay streaks within the upper 90 feet. The individual pay horizons are somewhat disconnected, a condition suggestive of fracturing in the reservoir rock. About 72 per cent of the 175 wells were initially non-productive. A few wells had a reported initial yield of 100, 150, and 200 barrels a day, but most of the producers came in with less than 20 barrels. Total production in 1939 was 41,478 barrels[1] from less than fifty wells, which averages roughly 2 barrels a day for each well.

The structure is a west plunging nose that broadens and flattens toward the east boundary of Warwick township. It is more in the nature of a gentle warping on the southwest dipping regional monocline than the result of any definite diastrophic movement. Northwest and southwest dips average about 20 feet a mile and two small domes seem to be present on the higher, flattened part of the nose. Closure is roughly 20 feet on each dome.

Accumulation is practically confined to the crest of the nose and to the domes. A number of dry wells are present on what appears to be the highest parts of the structure. This condition may result from a fracturing of the reservoir rock allowing the production of some wells to rapidly drain the pay streak in a sporadic manner.

The following log illustrates the detailed stratigraphy in Warwick township.

Log of T. Dolan No. 1 Well

Location: lot 10, con. 2, Warwick tp.

Formation	Depth	Thickness	Lithology
	Feet	Feet	
	0–50	50	No samples. Probably glacial till.
Kettle Point	50–100	50	Shale: dark brownish grey; little grey shale at 80 to 85 feet.
Hamilton	100–120	20	Limestone: grey, fossiliferous; little grey shale.
	120–160	40	Limestone: grey, argillaceous; little grey shale at 120 to 125 feet.
	160–305	145	Shale: grey, fossiliferous limestone with pyrite at 165 to 170 feet; some limestone at 195 to 210 feet.
	305–320	15	Limestone: grey, crystalline; some grey shale; pyrite at 305 to 310 feet.
	320–345	25	Limestone: grey, crystalline, argillaceous; grey shale at 320 to 325 feet.
	345–385	40	Shale: grey.
	385–395	10	Limestone: grey, argillaceous; some grey shale.
Norfolk	395–450	55	Limestone: light brownish grey, fine-grained, magnesian; pyrite at 430 to 435 feet; dark films at 445 to 450 feet.
	450–495	45	Limestone: light brownish grey, fine-grained, slightly magnesian.
	495–520	25	Limestone: brownish grey, finely crystalline; some chert at 495 to 500 feet; little rounded sand at 500 to 510 feet.
	520–530	10	Dolomite: brownish grey, finely crystalline; some bituminous streaks.
	530–550	20	Limestone: magnesian, brown.

[1]Ontario Dept. Mines, vol. 49, pt. 5, 1940, p. 75.

to be relied upon in computing elevations of the Hamilton-Norfolk contact. However, as this is a shale-limestone contact, it is readily recognized by the drillers and, therefore, reasonable assurance may be placed on the recordings of its depth.

The accompanying diagram shows structure contours drawn on the top of the Norfolk horizon with a contour interval of 20 feet. The major structure on this horizon is a gentle, southwest-dipping, regional monocline. Local increases and reversals in dip on this regional structure form several low anticlinal rolls and domes. Most of these local structures have a general northwest trend, although in Euphemia and Zone townships the trend is more nearly west. Closures vary from less than 20 feet to about 80 feet. Dips on the flanks are gentle, varying from about 20 to 100 feet a mile and flattening to the regional average, which is less than 20 feet a mile, within 2 or 3 miles of the crests of the various folds.

Several of the foregoing structures have formed points of accumulation for oil, and fields have, therefore, been developed on them. These fields, with the exception of the recent discovery in Warwick township, are among

Log of T. Dolan No. 1 Well—Concluded

Formation	Depth	Thicknes	Lithology
	Feet	Feet	
	550–660	110	Dolomite: brown, finely crystalline; trace gypsum at 580 to 585 feet; fine porosity 590 to 595 and 605 to 610 feet; little gypsum at 625 to 630 feet.
	660–670	10	Dolomite: brown; about 40 per cent white gypsum.
	670–850	180	Dolomite: brown, fine-grained; little chert 835 to 850 feet.
	850–955	105	Dolomite: brown, finely crystalline; little chert throughout.
	955–990	35	Dolomite: brownish grey; much chert.
Bertie-Akron	990–1,090	100	Dolomite: brownish grey, fine-grained; partly oolitic 1,045 to 1,050 feet; slightly argillaceous 1,060 to 1,065 feet.
Salina	1,090–1,105	15	Dolomite: brown, dense; much gypsum 1,090 to 1,095 feet.
	1,105–1,110	5	Dolomite: grey, argillaceous.

A number of wells are located throughout much of Warwick, Adelaide, and Metcalfe townships outside the Warwick field, but all are dry. Evidence drawn from these wells has failed to show the presence of any favourable points of accumulation, but the wells are so widely scattered that the possibility of there being other structures such as the Warwick field that might be favourable to accumulation cannot be entirely dismissed.

Brooke Township. A low, west-trending, elongated dome is present near the south boundary of Brooke township. It is about 4 miles long and 1 mile wide, occupying the north part of lots 3 to 14, con. 2, and the southern part of the adjoining lots in concession 3. Closure is between 20 and 40 feet. The structure is isolated and the rate of dip on the flanks is unknown.

According to Williams[1], two or three wells on this structure were producing oil in 1918. In 1934 and 1935, eight or nine more wells were drilled, but available records indicate that only two produced any oil. All the wells are shallow, from 350 to 456 feet deep. Yield was very small and from near the top of the Norfolk formation.

In the northeast part of Brooke township about forty wells were drilled during the years 1934 and 1937. These are on lots 21 to 30, cons. 11 to 14. They range in depth from 392 to 510 feet. Only about ten of these wells struck oil and the initial yields varied from 2 to 25 barrels a day. Several other wells are reported to have encountered small shows of oil. Production is from the upper part of the Norfolk formation where one to three pay streaks are indicated. One well encountered 50 M cubic feet of natural gas in the black shales at a depth of about 160 feet from the surface. Peak production from Brooke township was in 1934 with 1,941 barrels. Production fell to 52 barrels in 1939.

There is no well-defined structure to account for the small accumulation in this field. Most of the wells are near the 400-foot structure contour. This contour does, however, suggest very small and local increases in the regional inclination in the vicinity of those wells that found oil.

[1]Williams, M. Y.: Geol. Surv., Canada, Sum. Rept. 1918, pt. E, p. 35.

Well Records in Ontario—Continued

Localities and formations	Thickness Feet	Depth Feet	Depth at which oil or gas occurred

Log No. 124.—Information by Canadian Dutch Oils, Ltd., Petrolia

Lot	Concession	Township	County
21	I	Warwick	Lambton

Completed August 20, 1923.

Formation	Thickness of formation
Clay	93 feet
Black shale	105 "
Limestone and soapstone	267 "
Lower limestone	107 "
Small amount of salt, containing salt water	23 "
Total depth	595 feet

Gas at 560 feet.

Log No. 125.—Information by Canadian Dutch Oils, Ltd.

Lot	Concession	Township	County
W½ 6	Egremont road	Warwick	Lambton

Dry hole. Completed November 3, 1923.

Formation	Thickness of formation
Surface	65 feet
Gravel and sand	2 "
Shale	87 "
Top rock	55 "
Soapstone	145 "
Middle lime	10 "
Soap	15 "
Middle lime	10 "
Lower soap	39 "
Corniferous lime	110 "
Total depth	538 feet

WARWICK Tp. lot. 2. Con VI S.L.R.
Demaray & Carrothers Kerwood.
Comp. Feb. 1933
Dry Hole

Clay & Gravel	50-51	4	108
Black Shale	15-66	40	148
Black Shale & soap	60-126	130	278
Lime & Soap	26-146	15	293
Lime	41-187	43	336
Soap (upper)	143-330	68	404
Middle lime	25-385	40	444
Lower Soap	32-387	36	480
Lower lime	153-540		

Gas at 52 ft.
Water:- fresh 52 Sulphur 525

Vol. V,
" hard
00 feet,

Arkona Well from Samples

Hamilton	180 - 225
Onondaga	225 - 375
Clay Shale gypsum ~~Salt~~	375 - 2315
Salt 1165-1220	
Queenston	2315 - 2370
Richmond Dundas gray-shale	2370 - 2400
hard sandy shale	2400 2580
soft clay shale	2580 - 2685
Calcareous shale	2685 - 2690
gray shale	2690 - 3020
Trenton	3020 - 3715
	still drilling

Warwick Twp. lot. 6. Con III
Elerton Salt Works

Salt & Shale	1200 to 1330
hard rock	1330 to 1400

Dresden Times July 3rd 1913
The test well at Warwick was shot without success. No indications of gas resulted.

Brunswick page 64 a
In the Township of Warwick many wells have been sunk at the Elerton salt drilled prior to 1866 works one reaches 1400 ft in a hard rock
Salt was found with shale 1200' to 1330
Sterry Hunt gives a log in Warwick near Elerton

Clay	14	
Black Shale	50	64
Shales soft and Limestone	396	460
Limestone hard	44	504

WM. L. FORREST

Dolan Estate No. 1, lot 10, con. II, S.E.R., Warwick tp.

Completed April 29, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	48
Top rock	62
Upper soap	217
Middle lime	21
Lower soap	36
Big lime	131
Dolomite	115
Shale and gypsum	10
Brown and grey lime	250
Sandy lime	145
Shale	10
Lime	50
Shale	35
Total depth	1,130

Fresh water at 46 feet; black water at 525 feet.

WM. L. FORREST

B. Law No. 2, lot 10, con. II, Warwick tp.

Completed May 27, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	37
Top rock	53
Upper soap	244
Middle lime	20
Lower soap	38
Big lime	124
Total depth	516

Fresh water at 35 feet.

A. A. HEAL

S. Burchell No. 5, lot 27, con. V, Warwick tp.

Completed March 24, 1939.
Producing oil well.

Formation	Thickness, ft.
Surface	121
Lime	4
Hardpan and soap streaks	25
Lime	3
Soap and lime	20
Lime	11
Soap	133
Middle lime	17
Lower soap	35
Dark lime	10
Grey lime	15
Total depth	394

Oil at 383 to 384 feet; show of oil at 379 feet.
Fresh water at 151 feet.

A. A. HEAL

A. Morgan No. 2, lot 26, con. V, Warwick tp.

Completed August 25, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	120
Soap	14
Lime	16
Soap	20
Lime	5
Soap	135
Middle lime	20
Lower soap	27
Dark lime	8
Grey lime	85
Total depth	450

Trace of oil at 423 feet.
Fresh water at 130 feet; salt water at 423 feet.

HEAL AND BURCHELL

S. Burchell No. 3, lot 27, con. V, Warwick tp.

Completed January 11, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	126
Lime	2
Grey shale	15
Lime	13
Soap and lime streaks	22
Lime	7
Soap	135
Lime	17
Soap	31
Dark lime	5
Soap	3
Dark lime	2
Grey lime	117
Total depth	495

Fresh water at 152 feet; salt water at 478 and 493 feet.

HEAL AND BURCHELL

S. Burchell No. 4, lot 27, con. V, Warwick tp.

Completed June 14, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	137
Lime	16
Lime and grey shale	16
Lime	8
Soap	140
Middle lime	17
Lower soap	32
Dark lime	5
Grey lime	119
Total depth	490

Show of oil at 393 to 395, 408 to 410, 420 to 425 feet, and 429 feet.
Salt water at 429 feet; sulphur water at 489 feet.

HEAL AND BURCHELL

S. Burchell No. 6, lot 27, con. V, Warwick tp.

Completed September 15, 1939.
Producing oil well.

Formation	Thickness, ft.
Surface	131
Lime	3
Soap	4
Lime	17
Soap and lime streaks	22
Lime	10
Soap	130
Middle lime	17
Lower soap	38
Dark lime	5
Grey lime	72
Total depth	449

Oil at 435 feet.
Show of gas at 386 and 410 feet.
Fresh water at 135 feet.

H. H. HEINIG

J. Westgate No. 1, lot 23, W.½ of W.½, con. V, Warwick tp.

Completed January 25, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	99
Black shale	14
Top rock	77
Top soap	132
Middle lime	19
Lower soap	34
Black streak	6
Lower lime	116
Total depth	497

Salt water at 497 feet.

H. H. Heinig

J. Westgate No. 2, lot 23, W.½ of W.½, con. V, Warwick tp.

Completed May 18, 1939.
Small producing oil well.

Formation	Thickness, ft.
Surface	95
Top rock	65
Upper soap	140
Middle lime	22
Lower soap	45
Big lime	93
Total depth	460

Small quantity of oil at 365 feet.
Fresh water at 100 feet.

Hussey, McCluskey and Berg

T. Westgate, Sr., No. 2, lot 22, W.½ of E.½, con. V, S.E.R., Warwick tp.

Completed March 31, 1939.
Small producing oil well.

Formation	Thickness, ft.
Surface	105
Top rock	50
Soap	130
Middle lime	15
Lime and soap	31
Lower soap	40
Lower lime	74
Total depth	445

Oil at 372 and 445 feet.
Fresh water at 105 feet.

Hussey, McCluskey and Berg

T. Westgate, Sr., No. 3, lot 22, W.½ of E.½, con. V, S.E.R., Warwick tp.

Completed June 10, 1939.
Small producing oil well.

Formation	Thickness, ft.
Surface	90
Hardpan	10
Top rock	65
Top soap	140
Middle lime	20
Lower soap	40
Lower lime	60
Total depth	425

Oil at 420 feet.

B. Janes and Company

L. Buchner No. 1, lot 17, con. V, S.E.R., Warwick tp.

Completed April 8, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	124
Top lime	2
Mixed soap and lime	68
Soap	133
Middle lime	23
Lower soap	29
Lower lime	123
Total depth	503

Fresh water at 75 feet.

B. Janes and Company

L. Buchner No. 2, lot 17, con. V, S.E.R., Warwick tp.

Completed May 1, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	97
Black shale	25
Top lime	3
Mixed soap and lime	53
Soap	148
Middle lime	26
Lower soap	30
Lower lime	118
Total depth	500

Fresh water at 90 feet.

Lenik-Leja

R. Ward No. 1, lot 22, E.½ of W.½, con. IV, Warwick tp.

Completed April 4, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	88
Hardpan	2
Top rock	95
Top soap	130
Middle lime	15
Lower soap	40
Lower lime	120
Total depth	490

Small show of oil at 420 to 425 feet.

McGill and Dykes

A. Cran Estate No. 1, lot 29, S.E.¼, con. VI, Warwick tp.

Completed April 3, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	86
Top rock	59
Upper soap	132
Middle lime	27
Lower soap	26
Black streak	8
Lower lime	70
Total depth	408

Show of oil at 332 and 395 feet.
Fresh water at 30 feet; salt water at 395 feet

F. E. McAfee

G. Cran No. 1, lot 26, W.½, con. VI, Warwick tp.

Completed September 29, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	126
Top rock	60
Soap	145
Middle lime	14
Lower soap	37
Grey lime	98
Total depth	480

DOUGLAS BANKS

H. Ball No. 2, lot 30, con. V, S.E.R., Warwick tp.
Completed July 29, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	94
Top rock	8
Upper soap	180
Middle lime	19
Lower soap	20
Shale	11
Lower lime	139
Total depth	471

Small show of oil at 435 feet.
Fresh water at 32 and 80 feet; salt water at 445 feet, black water at 470 feet.

DOUGLAS BANKS

A. Brush No. 3, lot 30, con. V, S.E.R., Warwick tp
Completed March 11, 1939.
Producing oil well.

Formation	Thickness, ft.
Surface	99
Top rock	5
Upper soap	191
Middle lime	10
Lower soap	20
Shale	15
Big lime	62
Total depth	402

Oil at 400 feet; show of oil at 360 feet.
Fresh water at 25, 60, and 160 feet.

DOUGLAS BANKS

A. Brush No. 4, lot 30, con. V, S.E.R., Warwick tp.
Completed June 26, 1939.
Producing oil well.

Formation	Thickness, ft.
Surface	97
Shale	5
Upper soap	195
Middle lime	20
Lower soap	33
Big lime	66
Total depth	416

Oil at 358 and 410 feet.
Fresh water at 40 and 115 feet.

A. E. BEUHLER

Bagg and Doyle No. 1, lot 19, con. IV, S.E.R., Warwick tp.
Completed February 23, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	90
Black shale	55
Soap	205
Middle lime	20
Lower soap	36
Lower lime	138
Total depth	544

Fresh water at 75 feet; black sulphur water at 530 feet.

A. E. BEUHLER

Bagg and Doyle No. 2, lot 19, con. IV, S.E.R., Warwick tp.
Completed March 14, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	88
Black shale	42
Top lime	10
Mixed soap and lime	70
Soap	130
Middle lime	20
Lower soap	33
Lower lime	82
Total depth	475

Fresh water at 110 feet.

BEATTIE BROTHERS

G. Cran No. 1, lot 29, con. VI, S.E.R., Warwick tp.
Completed February 4, 1939.
Producing oil well.

Formation	Thickness, ft.
Surface	80
Top rock	55
Soap	69
Lime shell	3
Soap	13
Hard shell	3
Soap	15
Hard soap	9
Soap	23
Middle lime	20
Lower soap	29
Dark streak	4
Lime	13
Total depth	336

Oil at 323 feet.
Fresh water at 76 to 80 feet.

BEATTIE BROTHERS

T. Woods No. 1, lot 28, con. VI, S.E.R., Warwick tp.
Completed March 8, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	85
Top rock	35
Grey lime shell	3
Soap	153
Middle lime	19
Soap	26
Dark streak	5
Soap	2
Lime	87
Brown lime	12
Total depth	427

Very small show of oil at 328 to 331 feet.
Fresh water at 82 feet.

BRYSON AND GLABB

G. Gordon No. 1, lot 27, con. IV, S.E.R., Warwick tp.
Completed January 10, 1939.
Small producing oil well.

Formation	Thickness, ft.
Surface	126
Black shale	4
Lime	2
Grey shale and soap	13
Grey shale and lime	41
Top soap	141
Middle lime	20
Lower soap	22
Lime	10
Lower lime, grey	71
Total depth	450

Oil at 389 and 442 feet.
Fresh water at 125 feet; salt water at 442 feet.

CLARENCE DEMARAY

L. Foster No. 1, lot 28, N.¼, con. VI, S.E.R., Warwick tp.

Completed March 30, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	112
Top rock	60
Upper soap	130
Middle lime	18
Lower soap	30
Lower lime	112
Total depth	452

Show of oil at 343 and 420 feet.
Salt water at 420 feet.

T. DRAPER

L. Marley No. 2, lot 26, W.½ of E.½, con. V, Warwick tp.

Completed March 1, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	121
Hardpan and soap	17
Top rock	9
Soap and lime streaks	28
Soap	130
Lime and soap	25
Soap	35
Lime	87
Total depth	452

Show of oil at 380, 389, and 422 feet.
Fresh water at 125 and 150 feet.

T. DRAPER

L. Marley No. 3, lot 26, W.½ of E.½, con. V, Warwick tp.

Completed April 15, 1939.
Small producing oil well.

Formation	Thickness, ft.
Surface	145
Top rock	7
Soap	165
Lime	20
Soap	30
Soft black lime	6
Lime	72
Total depth	450

Oil at 390 feet; show of oil at 380 feet.
Fresh water at 120 feet.

D. DURAND

T. Westgate, Jr., No. 1, lot 25, W.½, con. V, S.E.R., Warwick tp.

Completed January 15, 1939.
Producing oil well.

Formation	Thickness, ft.
Surface	100
Hardpan	15
Top rock	60
Top soap	143
Middle lime	12
Lower soap	37
Lower lime	99
Total depth	466

Oil at 360 to 363 feet, 381 to 385, and 422 feet; show of oil at 370 feet.
Fresh water at 130 feet; salt water at 310 feet.

JOHN EMERY

A. Chambers No. 1, lot 22, con. V, Warwick tp.

Completed June 5, 1939.
Small producing oil well.

Formation	Thickness, ft.
Surface	28
Hardpan	65
Top rock	90
Top soap	132
Middle lime	21
Lower soap	33
Black streak	7
Lower lime	92
Total depth	468

Oil at 432 feet.
Show of gas at 410 feet.
Fresh water at 93 feet.

JOHN EMERY

A. Chambers No. 2, lot 22, con. V, Warwick tp.

Completed June 29, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	92
Black shale	8
Top rock	88
Top soap	137
Middle lime	20
Lower soap	33
Black streak	5
Lower lime	80
Total depth	463

Small show of gas at 443 feet.
Small show of oil at 385 and 443 feet.
Fresh water at 90 feet; salt water at 443 feet.

EMPIRE GAS AND OIL CO., LTD.

F. Westgate No. 1, lot 30, W.½, con. II, Warwick tp.

Completed April 11, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	90
Black shale	30
Lime and shale	70
Soap	96
Middle lime	6
Lower soap	48
Black lime	25
Soft shale	25
Brown lime	118
Total depth	508

Fresh water at 120 feet; salt water at 508 feet.

EMPIRE GAS AND OIL CO., LTD.

F. Westgate No. 2, lot 30, W.½, con. II, Warwick tp.

Completed May 2, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	88
Black shale	12
Lime and shale	80
Soap	150
Middle lime	10
Lower soap	37
Brown lime	81
White water sand	6
Total depth	474

Fresh water at 115 feet; black salt water at 468 feet.

B. WILSON

A. G. Brown No. 1, lot 24, E.½, con. VI, Warwick tp.
Completed December 16, 1938.
Producing oil well.

Formation	Thickness, ft.
Surface	123
Grey shale	2
Lime	35
Grey shale	16
Lime	9
Grey shale	103
Lime	8
Grey shale and lime	21
Lime	25
Grey shale and lime	27
Lime	6
Grey shale	4
Total depth	477

Oil at 380, 410, 422, and 444 feet.
Fresh water at 101 and 133 feet.

WILSON AND SULLIVAN

L. Eastabrook No. 3, lot 26, W.½, con. V, Warwick tp.
Completed December 9, 1938.
Producing oil well.

Formation	Thickness, ft.
Surface	119
Shell	59
Hamilton shale	138
Middle lime	18
Lower shale	36
Onondaga	99
Total depth	469

Oil at 371 and 397 feet.
Show of gas at 180 feet.
Fresh water at 114 feet.

WILSON AND SULLIVAN DEVELOPMENT COMPANY

L. Marley No. 1, lot 26, W.½ of E.½, con. V, Warwick tp.
Completed December 15, 1938.
Dry hole.

Formation	Thickness, ft.
Surface	130
Soap	10
Hardpan	5
Top rock	7
Soap	22
Lime streak	6
Soap	137
Middle lime	20
Lower soap	30
Soft black lime	6
Grey lime	85
Total depth	458

Show of oil at 378 and 390 feet.
Fresh water at 122 and 145 feet.

J. W. G. WINNETT

A. Westgate No. 1, lot 28, E.½, con. V, Warwick tp.
Completed November 4, 1938.
Producing oil well.

Formation	Thickness, ft.
Surface	124
Top rock	40
Top soap	150
Middle lime	11
Lower soap	50
Lower lime	111
Total depth	486

Oil at 435 feet.
Fresh water at 124 feet.

J. W. G. WINNETT

A. Westgate No. 2, lot 28, E.½, con. V, Warwich tp
Completed November 22, 1938.
Producing oil well.

Formation	Thickness ft.
Surface	104
Top rock	50
Soap	140
Middle lime	11
Lower soap	40
Lower lime	113
Total depth	458

Oil at 355 and 425 to 430 feet.
Fresh water at 108 and 140 feet; salt water at 458 feet

F. YERKS

T. Westgate No. 1, lot 24, con. IV S., Warwick tp.
Completed December 11, 1938.
Producing oil well.

Formation	Thickness ft.
Surface	84
Hardpan	1
Gravel	1
Grey shale	10
Brown shale	1
Lime	8
Soft shale	4
Shale and lime streaks	73
Soap	66
Lime	4
Soap	52
Middle lime	27
Lower soap	34
Lower lime	53
Total depth	418

Oil at 367 and 408 to 418 feet.
Show of gas at 407 feet.
Fresh water at 86 feet; salt water at 408 to 418 feet

Lincoln County

[redacted]

GRIMSBY NATURAL GAS CO., LTD.

T. Beamer No. 2, lot 1, W.½, con. II, Gainsborough tp.

Completed November 14, 1938.
Producing gas well.
Rock pressure: 75 lbs.

Formation	Thickness, ft.
Surface	91
Lime	15
Niagara	191
Shale	50
Clinton	35
Red Medina	40
Shale	60
White Medina	12
Shale	40
Total depth	534

Gas at 493 feet.
Sulphur water at 93 feet.

Manitoulin District

SAULT STE. MARIE SYNDICATE

J. Marshall No. 1, lot 44, con. I, Assiginack tp.

Completed September 27, 1938.
Small producing oil well.

Formation	Thickness, ft.
Surface	15
Dolomite	124
Grey shale	225
Brown shale	59
Black shale	21
Trenton lime	43
Total depth	487

Oil at 470 feet.

[redacted]

SAULT STE. MARIE SYNDICATE

W. F. McCrae No. 1, lot 5, con. XI, Gordon tp.

Completed August 6, 1938.
Dry hole.

Formation	Thickness, ft.
Grey lime	167
Blue shale	145
Grey lime	1
Blue shale	144
Black shale	13
Trenton lime	140
Total depth	610

Salt water at 597 feet.

Middlesex County

DOUGLAS BANKS

F. Richardson No. 1, lot 3, W.½, con. IV, Adelaide tp.

Completed December 10, 1938.
Producing oil well.

Formation	Thickness, ft.
Surface	85
Top rock	40
Top soap	135
Middle lime	20
Lower soap	28
Black streak and soap	7
Lower lime	161
Total depth	476

Oil at 367 and 373 feet.
Fresh water at 80 feet; salt water at 367 to 373 feet.

CAMERON AND LETT

R. Waltham No. 1, lot 1, E.½, con. V, Adelaide tp.

Completed December 15, 1938.
Producing oil well.

Formation	Thickness, ft.
Surface	85
Lime and shale	60
Upper soap	135
Middle lime	20
Lower soap	30
Lower lime	120
Total depth	445

Oil at 340 and 385 feet.
Fresh water at 85 feet.

UNION GAS CO. OF CANADA, LTD.

F. Poole No. 1, lot 10, con. II, Delaware tp.

Completed October 11, 1938.
Dry hole.

Formation	Thickness, ft.
Surface	192
Hamilton black shale	6
Grey and brown lime	47
Brown lime	245

DOUGLAS BANKS

H. Ball No. 1, lot 30, con. V, S.E.R., Warwick tp.

Completed June 22, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	105
Top rock	5
Upper soap	182
Middle lime	28
Lower soap	30
Big lime	120
Total depth	470
Black water at 470 feet.	
	1,303

Fresh water at 153 feet; sulphur water at 730 feet; salt water at 1,295 feet.

D. Durand

E. Davidson No. 1, lot 26, E.½, con. VI, Warwick tp.
Completed December 7, 1938.
Dry hole.

Formation	Thickness, ft.
Surface	130
Top rock	47
Soap	143
Middle lime	13
Soap	37
Lime	114
Total depth	484

Fresh water at 122 feet; salt water at 475 feet.

D. Durand

T. Westgate, Sr., No. 1, lot 23, W.½ of E.½, con. V, Warwick tp.
Completed October 25, 1938.
Producing oil well.

Formation	Thickness, ft.
Surface	108
Top rock	62
Soap	143
Middle lime	14
Lower soap	38
Corniferous lime	105
Total depth	470

Oil at 442 to 449 feet; show of oil at 367 and 380 feet.
Show of gas at 405 feet.
Fresh water at 100 feet; salt water at 300 feet.

D. Durand

T. Westgate, Sr., No. 2, lot 23, W.½ of E.½, con. V, Warwick tp.
Completed November 14, 1938.
Producing oil well.

Formation	Thickness, ft.
Surface	113
Top rock	64
Soap	141
Middle lime	14
Soap	39
Lime	119
Total depth	480

Oil at 404 and 434 feet.
Fresh water at 100 feet; salt water at 305 feet.

Albert E. Gibson

J. Westgate No. 1, lot 23, con. IV, Warwick tp.
Completed October 3, 1938.
Producing oil well.

Formation	Thickness, ft.
Clay	78
Hardpan	9
Dark shale	12
Top rock	80
Soap	131
Lime and soap	10
Middle lime	12
Lower soap	38
Lime	110
Total depth	480

Oil at 425 feet.
Fresh water at 85 and 98 feet.

F. Hambly

Mrs. T. Westgate, Sr., No. 1, lot 24, W.¼, con. IV, Warwick tp.
Completed November 3, 1938.
Dry hole.

Formation	Thickness, ft.
Surface	95
Lime and shale	80
Soap	131
Lime and soap	10
Middle lime	10
Lower soap	32
Dark lime	4
Mud vein	3
Lower lime	151
Total depth	516

Show of oil at 360 to 365 feet.
Fresh water at 95 feet; salt water at 475 feet.

Hussey and Dale

W. Wood No. 1, lot 21, E.½ of E.½, lot 21, con. IV, Warwick tp.
Completed November 25, 1938.
Producing oil well.

Formation	Thickness, ft.
Surface	90
Soap and lime	40
Soap	160
Middle lime	10
Soap and lime	40
Lower soap	37
Lower lime	83
Total depth	460

Oil at 410 feet.
Fresh water at 80 feet; salt water at 410 feet.

Hussey, McCluskey and Berg

T. Westgate, Sr., No. 1, lot 22, W.½ of E.½, con. V, Warwick tp.
Completed December 30, 1938.
Producing oil well.

Formation	Thickness, ft.
Surface	100
Black shale	15
Top rock	35
Top soap	160
Middle lime	20
Lime and soap	15
Lower soap	40
Lower lime	11
Total depth	396

Oil at 387 feet.
Fresh water at 100 feet.

F. R. MacIntosh

A. S. Cameron No. 1, lot 25, S.W.¼, con. IV, Warwick tp.
Completed November 6, 1938.
Dry hole.

Formation	Thickness ft.
Surface	120
Grey shale	45
Mixed hard streaks	12
Soap	88
Brown lime	2
Soap	8
Mixed soap and shale	10
Soap	22
Mixed lime and soap	8
Middle lime	18
Lower soap	27
Lower lime	62
Yellow sand	33
Lime	30
Total depth	503

Show of gas at 419 feet.
Show of oil at 429 feet.
Fresh water at 105 feet; salt water at 430 and 473 feet.

A. E. McKercher

F. W. Short No. 1, lot 19, E.½, con. VI, Warwick tp.
Completed December 19, 1938.
Dry hole.

Formation	Thickness, ft.
Surface	106
Black shale	6
Grey shale	8
Top rock	78
Upper soap	137
Middle lime	21
Lower soap	29
Black streak	8
Lower lime	94
Total depth	487

Fresh water at 101 feet.

H. P. Rose

H. Rivers No. 1, lot 29, con. IV, Warwick tp.
Completed November 21, 1938.
Dry hole.

Formation	Thickness, ft.
Surface	125
Top rock	21
Middle lime	174
Lower soap	12
Lower lime	37
Lime	131
Total depth	500

Fresh water at 120 feet; salt water at 500 feet.

Shaw and Smith

E. Shaw No. 1, lot 28, W.½, con. V, Warwick tp.
Completed November 30, 1938.
Producing oil well.

Formation	Thickness, ft.
Surface	123
Top rock	7
Soap	10
Lime	10
Soap	15
Lime	10
Soap	108
Lime	7
Soap	22
Lime	26
Soap	29
Lime	103
Total depth	470

Oil at 380 and 430 feet.
Fresh water at 30, 65, and 118 feet.

A. Treleaven

W. Morgan No. 1, lot 26, E.½, con. IV, Warwick tp.
Completed November 5, 1938.
Dry hole.

Formation	Thickness, ft.
Surface	118
Top rock	75
Soap	125
Lime	20
Soap	39
Lime	127
Total depth	506

Fresh water at 118 to 120 feet; salt water at 465 and 491 feet.

J. von Berg

L. Eastabrook No. 1, lot 26, W.½, con. V, Warwick tp.
Completed October 25, 1938.
Producing oil well.

Formation	Thickness, ft.
Surface	140
Top rock	7
Top soap	168
Middle lime	15
Lower soap	38
Black streak	2
Lower lime	75
Total depth	445

Oil at 368 and 440 feet.
Fresh water at 100 and 305 feet.

J. von Berg

L. Eastabrook No. 2, lot 26, W.½, con. V, Warwick tp.
Completed December 2, 1938.
Producing oil well.

Formation	Thickness, ft.
Surface	135
Top rock	10
Top soap	25
Hard streak	5
Soap	10
Hard streak	5
Hard shell	70
Soap	76
Middle lime	22
Lower soap	36
Lower lime	78
Total depth	442

Oil at 364 feet.
Fresh water at 125 feet; salt water at 190 feet.

J. von Berg

L. Eastabrook No. 4, lot 26, W.½, con. V, Warwick tp.
Completed December 28, 1938.
Producing oil well.

Formation	Thickness, ft.
Surface	117
Top rock	28
Hard streak and soap	25
Top soap	133
Middle lime	18
Lower soap	39
Lower lime	10
Total depth	370

Oil at 340 to 345 and 360 feet.
Fresh water at 22 feet.

J. von Berg

J. Henderson No. 1, lot 22, con. IV, Warwick tp.
Completed December 22, 1938.
Small producing oil well.

Formation	Thickness, ft.
Surface	90
Black shale	14
Grey shale	2
Soap and lime	44
Hard rock	15
Top soap	155
Middle lime	20
Lower soap	33
Lower lime	75
Total depth	448

Oil at 385 and 420 feet.
Fresh water at 90 feet.

W. E. Stanley

W. W. Johnson No. 1, lot 18, con. IX, Euphemia tp.
Completed March 18, 1938.
Dry hole.

Formation	Thickness, ft.
Surface	82
Hardpan	11
Top rock	47
Top soap	142
Middle lime	12
Lower soap	16
Black streak	4
Lower lime	86
Total depth	400

Fresh water at 87 feet; salt water at 331 feet.

Union Gas Co. of Canada, Ltd.

Mrs. M. Bilton No. 1, lot 22, con. I, Euphemia tp.
Completed June 1, 1938.
Dry hole.

Formation	Thickness, ft.
Surface	52
Brown shale	53
Lime and shale	277
Grey lime	123
Sharp grey lime	48
Brown lime	258
Sharp brown and grey lime	189
Brown lime	92
Brown and blue lime	6
Brown and blue lime and gypsum	6
Blue lime	6
Brown and blue lime and gypsum	24
Blue lime	18
Brown lime and gypsum	6
Brown lime	6
Blue lime	90
Brown and blue lime	250
Brown lime and salt	6
Brown lime	60
Brown, blue, and grey lime	72
Brown and grey lime	90
Brown lime	114
Grey lime	65
Grey shale	9
Total depth	1,920

Show of gas at 1,540 feet.
Sulphur water at 500 feet.

Union Gas Co. of Canada, Ltd.

J. L. and C. Elliott No. 1, lot 22, W.½, con. II, Euphemia tp.
Completed April 6, 1938.
Dry hole.

Formation	Thickness, ft.
Surface	33
Brown shale	37
Lime and shale	240
Grey and brown lime	105
Sharp grey lime	33
Grey lime	12
Brown lime	240
Brown and grey lime	24
Sharp brown and grey lime	156
Brown lime	91
Brown and blue lime and gypsum	12
Blue and brown lime	30
Brown lime, and blue lime and gypsum	62
Brown and blue lime	108
Brown lime	72
Blue lime	66
Blue and grey lime	9
Salt	158
Brown lime	122
Grey and brown lime	86
Brown lime	135
Grey lime	62
Blue shale	12
Total depth	1,905

Show of gas at 108 feet.
Fresh water at 35 feet; sulphur water at 415 feet; salt water at 1,860 feet.

D. H. Wood

D. Dobbyn No. 1, lot 27, con. IV, Euphemia tp.
Completed May 8, 1938.
Small producing oil well.

Formation	Thickness, ft.
Surface	12
Hard white rock	4
Soft white rock	4
Hardpan	5
Upper soap	165
Middle lime	20
Lower soap	20
Lower lime	110
Total depth	340

Oil at 337 feet.
Fresh water at 23 feet.

W. N. Alley

M. Kadey No. 1, lot 21, con. V, Warwick tp.
Completed November 30, 1938.
Producing oil well.

Formation	Thickness, ft.
Surface	89
Black shale	18
Hardpan	15
Mixed lime and soap	48
Soap	148
Middle lime	22
Lower soap	33
Lower lime	69
Oil sand	1½
Total depth	343½

Oil at 442 feet.
Fresh water at 88 feet.

W. N. Alley

M. Kadey No. 2, lot 21, E.½ of W.½, con. V, Warwick tp.
Completed December 20, 1938.
Producing oil well.

Formation	Thickness, ft.
Surface	86
Black shale	18
Hardpan	13
Mixed lime and soap	61
Lime	4
Soap	130
Middle lime	18
Soap	42
Lower lime	72
Total depth	444

Oil at 382, 439, and 444 feet.

Douglas Banks

A. Brush No. 1, lot 30, E.½, con. V, Warwick tp.
Completed November 13, 1938.
Dry hole.

Formation	Thickness, ft.
Surface	109
Top rock	41
Top soap	130
Middle lime	26
Lower soap	34
Lower lime	170
Total depth	510

Show of gas at 150 feet.
Fresh water at 90 feet; salt water at 443 feet.

DOUGLAS BANKS

A. Brush No. 2, lot 30, con. V, Warwick tp.

Completed December 15, 1938.
Dry hole.

Formation	Thickness, ft.
Surface	108
Top rock	22
Top soap	148
Middle lime	25
Lower soap	36
Lower lime	265
Total depth	604

Fresh water at 80 feet; salt water at 452 feet.

BURCHELL AND HEAL

S. Burchell No. 1, lot 27, con. V, Warwick tp.

Completed November 1, 1938.
Producing oil well.

Formation	Thickness, ft.
Surface	123
Lime	2
Lime and soap	12
Lime	10
Lime and soap	23
Hard lime	8
Soap	137
Middle lime	17
Lower soap	34
Dark lime	7
Grey lime	3
Total depth	376

Oil at 375 and 376 feet.
Fresh water at 120 to 123 feet.

BURCHELL AND HEAL

S. Burchell No. 2, lot 27, con. V, Warwick tp.

Completed November 16, 1938.
Producing oil well.

Formation	Thickness, ft.
Surface	122
Lime	2
Grey shale	6
Lime	1
Grey shale and lime	5
Lime	12
Lime and soap	22
Hard lime	7
Soap	138
Middle lime	18
Lower soap	31
Dark lime	9
Grey lime	7
Total depth	382

Oil at 374 feet.
Fresh water at 122 feet; sulphur water at 320 feet.

BUSBY AND FERGUSON

R. Chambers No. 1, lot 27, con. IV, Warwick tp.

Completed November 1, 1938.
Producing oil well.

Formation	Thickness, ft.
Surface	124
Top rock	63
Top soap	134
Middle lime	23
Lower soap	27
Black streak	7
Lower lime	149
Total depth	527

Oil at 440 feet.
Fresh water at 124 feet; salt water at 490 to 495 feet.

BUSBY AND FERGUSON

J. O'Neill No. 1, lot 28, con. IV, Warwick tp.

Completed November 22, 1938.
Dry hole.

Formation	Thickness, ft.
Surface	132
Top rock	60
Top soap	130
Middle lime	26
Lower soap	27
Black streak	6
Lower lime	147
Total depth	528

Show of oil at 466 and 480 feet.
Fresh water at 120 feet; salt water at 528 feet.

T. W. COOPER

L. McLean No. 1, lot 23, con. V, Warwick tp.

Completed September 6, 1938.
Producing oil well.

Formation	Thickness, ft.
Clay	106
Hardpan	14
Grey shale	34
Hard streaks	31
Soap	145
Middle lime	12
Lower soap	38
Corniferous lime	120
Total depth	500

Oil at 385, 423, and 490 to 497 feet.
Fresh water at 107 feet.

COREY, HUSSEY AND BULLEN

Mrs. L. Chambers No. 1, lot 22, W.½ of E.½, con. V, Warwick tp.

Completed November 19, 1938.
Producing oil well.

Formation	Thickness, ft.
Surface	94
Top rock	55
Top soap	140
Middle lime	20
Lower soap	51
Lower lime	105
Total depth	465

Oil at 428 feet.
Fresh water at 100 feet.

THOMAS DRAPER

W. Redman No. 1, lot 23, E.½ of W.½, con. IV, Warwick tp.

Completed December 23, 1938.
Dry hole.

Formation	Thickness, ft.
Surface	98
Top rock	102
Top soap	115
Middle lime	30
Lower soap	25
Lower lime	139
Total depth	509

Fresh water at 105 feet.

Well Records in Ontario—Continued

Localities and formations	Thickness Feet	Depth Feet	Depth at which oil or gas occurred
WARWICK, lot 6, Con III (Or Morris) Kingstons Mills Warwick Tp GSC. Vol. V. p 64 Q.			
Lambton County—Continued			
Depth of Well 1400 ft. Well terminated in a hard rock; Salt was said to be found at 1200 feet...			
continuing, interstratified with shale for 130 feet or to a total depth of 1,330 feet, beneath which there was a "hard rock" 70 feet thick. The log of another well here is as follows:			
Clay	14	14	
Portage			
Black shale	50	64	
Hamilton			
Shales, soft and limestone	396	460	
Corniferous			
Limestone, hard	44	504	

Pc Vol. V,

JAMES A. WELCH CO., FLINT, MICH.
Lot 7 W. ½, con. IV, Warwick tp.

Formation	Thickness, ft.		
Surface	35	60	60
Brown shale	75	15	75
Grey rock	50	178	254
Top soap	150	6	260
Middle lime	20	940	1,200
Lower soap	35	45	1,245
Lower lime	338	110	1,355
Total depth	703		

Oil at 478 and 487 feet.

wer part rous and salt beds. reported

W Vol. V,

HARRY B. SMITH, WINDSOR
Lot 18, con. VII, N.L.R., Warwick tp.
Completed July 25, 1927.
Open flow: 80,000 cu. ft.
Rock pressure: 50 lbs.

imestone

Formation	Thickness, ft.
Clay	60
Sand	7
Clay and stone	38
Huron shale	19
Top rock and shale	92
Soap	125
Lime	9
Lower soap	68
Corniferous	83
Total depth	501

Gas at 225, 480, and 500 feet.

B

BERT WILSON, G. SULLIVAN, ET AL.
W. Hall No. 1, lot 23, con. III N., Warwick tp.
Completed February 1, 1935.
Dry hole.

Formation	Thickness, ft.
Clay	67
Hamilton lime	50
Soap	8
Lime	35
Grey shale	21
Lime	14
Soap	85
Lime	2
Soap	8
Lime	15
Soap	15
Lime	23
Soap	17
Lime	10
Soap	10
Onondaga lime	110
Total depth	500

Show of oil at 400 to 405, 435 to 437, and 470 to 475 feet.
Sulphur water at 70 to 80 feet.

Bos ol. V,

BERT WILSON, G. SULLIVAN, ET AL.
J. Cooper No. 1, lot 17, S. ½ of W. ½, con. III N. Warwick tp.
Completed January 5, 1935.
Dry hole.

Formation	Thickness, ft.
Clay	56
Gravel	2
Hamilton lime	68
Lime and soap	34
Lime	23
Soap	17
Lime	12
Soap	68
Lime	10
Soap	25
Lime	5
Soap	22
Middle lime	16
Lower soap	40
Onondaga lime	114
Total depth	512

Show of oil at 435 to 440, 495 to 500, and 505 to 510 feet.
Sulphur water at 64 feet.

W. NEWCOMB

I. Lucas No. 1, lot 19, con. II N., Warwick tp.
Completed December 28, 1937.
Dry hole.

Formation	Thickness, ft.
Surface	66
Hardpan	15
Gravel	3
Top rock	146
Top soap	130
Middle lime	15
Lower soap	50
Lower lime	117
Total depth	542

Trace of oil at 500 feet.
Fresh water at 33 to 40 and 81 to 84 feet; black water at 540 feet.

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WELL	TOWNSHIP	LOT	CONC.	SURF. ELEV.	TOTAL DEPTH	HURON Top	HURON Base	HURON Thick	HAMILTON Top	HAMILTON Base	HAMILTON Thick	DUNDEE EQUIV. Top	DUNDEE EQUIV. Base	DUNDEE EQUIV. Thick	DETROIT RIVER Top	DETROIT RIVER Base	DETROIT RIVER Thick	BASS ISLAND Top	BASS ISLAND Base	BASS ISLAND Thick	SALI Top	SALI Base
Mingscourt 1	Warwick	14	6 SER	767	570	+677	+627	50	+627	+347	280	+347	+247	100	+247							
Warwick 11-4N	do	11	47	740	230	+670	+619	51	+619													
Warwick 1	do	7	38	701	2178	+671	+611	60	+611	+341	270	+341	+239	102	+239	-238	477	-238	-338	100	-338	-14
" 11-4NA	do	11	47	740	2351	+690	+614	76	+614	+329	285	+329	+237	92	+237	-255	492	-255	-320	65	-320	-14
* " 30-5N	do	30	5 N	830	2193				+700	+455	245	+455	+365	90	+365	-151	516	-151	-227	76	-227	-9

* discovery well

SHAW AND SMITH

E. Shaw No. 2, lot 28, W.½, con. V, S.E.R., Warwick tp.

Completed January 13, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	138
Top rock	10
Soap	19
Lime	5
Soap	20
Lime	3
Soap	19
Lime	5
Soap	108
Middle lime	26
Soap	29
Lower lime	103
Total depth	485

Fresh water at 40, 80, and 128 feet.

A. D. SNYDER

R. A. Hume No. 2, lot 20, S.E.½ of E.½, con. VI, S.E.R., Warwick tp.

Completed April 13, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	68
Black shale	26
Upper lime	76
Upper soap	130
Middle lime	18
Lower soap	32
Lower lime	138
Total depth	488

Fresh water at 68 and 94 feet.

J. VON BERG

L. Eastabrook No. 5, lot 26, con. V, S.E.R., Warwick tp.

Completed April 21, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	130
Top rock	20
Top soap	20
Hard streak	5
Top soap	133
Middle lime	20
Lower soap	35
Lower lime	117
Total depth	480

Show of oil at 437 feet.
Fresh water at 130 feet; salt water at 450 feet.

J. VON BERG

L. Eastabrook No. 6, lot 26, con. V, S.E.R., Warwick tp.

Completed July 10, 1938.
Dry hole.

Formation	Thickness, ft.
Surface	70
Hardpan	15
Gravel	42
Top rock	54
Soap	144
Middle lime	23
Lower soap	27
Dark streak	8
Lower lime	105
Total depth	485

Small amount of oil at 445 feet.
Fresh water at 130 feet; salt water at 445 feet.

J. VON BERG ET AL.

J. O'Neil No. 1, lot 27, con. V, Warwick tp.

Completed February 23, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	129
Shale and soap	58
Top rock	4
Soap	138
Middle lime	19½
Lower soap	37
Big lime	146
Total depth	531½

Show of oil at 385 and 528 feet.
Fresh water at 129 and 385 feet; sulphur water at 498 and 528 feet.

J. VON BERG ET AL.

J. O'Neil No. 2, lot 27, con. V, Warwick tp.

Completed March 2, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	133
Top rock	56
Upper soap	136
Middle lime	19
Lower soap	35
Lower lime	121
Total depth	500

Fresh water at 131 feet; salt water at 490 feet.

WAYNE OIL AND GAS COMPANY

G. A. Westgate No. 1, lot 29, E.½, con. V, Warwick tp.

Completed August 31, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	98
Hard pan	37
Top rock	15
Top soap	130
Middle lime	20
Lower soap	45
Lower lime	61
Total depth	406

Show of oil at 396 feet.

WILSON AND SULLIVAN

C. Davidson No. 1, lot 25, E.½ of E.½, con. VI, Warwick tp.

Completed May 27, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	126
Top rock	58
Upper soap	144
Middle lime	13
Lower soap	36
Dark lime	2
Grey lime	111
Total depth	490

Show of oil at 393 feet.
Fresh water at 11, 50, 120, and 140 feet; black water at 489 feet.

WILSON AND SULLIVAN

E. Davidson No. 1, lot 25, W.½ of E.½, con. VI, S.E.R., Warwick tp.

Completed June 15, 1939.
Producing oil well.

Formation	Thickness, ft.
Surface	120
Hardpan	8
Top rock	58
Top soap	144
Middle lime	13
Lower soap	36
Dark streak	3
Lower lime	68
Total depth	450

Oil at 382 feet.
Fresh water at 11, 50, and 135 feet.

WILSON AND SULLIVAN

E. Davidson No. 2, lot 25, W.½ of E.½, con. VI, S.E.R., Warwick tp.

Completed June 30, 1939.
Dry hole.

Formation	Thickness, ft.
Clay	120
Hardpan	10
Top rock	59
Soap	142
Middle lime	17
Lower soap	35
Dark lime	1
Grey lime	107
Total depth	491

Small amount of oil at 390 feet.
Fresh water at 122 feet; salt water at 310 feet.

WILSON AND SULLIVAN

L. Eastabrook No. 8, lot 26, W.½ of W.½, con. V. Warwick tp.

Completed November 25, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	118
Top rock	55
Soap	142
Middle lime	13
Lower soap	36
Dark lime	2
Grey lime	95
Total depth	461

WILSON AND SULLIVAN

A. Morgan No. 1, lot 26, con. V, S.E.R., Warwick tp.

Completed March 22, 1939.
Producing oil well.

Formation	Thickness, ft.
Surface	118
Top rock	56
Soap	141
Middle lime	14
Lower soap	37
Lower lime	84
Total depth	450

Oil at 392 and 422 feet.
Fresh water at 130 feet.

WILSON AND SULLIVAN

O. Pike No. 1, lot 25, E.½, con. V, Warwick tp.

Completed January 7, 1939.
Producing oil well.

Formation	Thickness, ft.
Clay	102
Hardpan	6
Shell	47
Soap	157
Middle lime	18
Lower soap	37
Onondaga	3
Total depth	370

Oil at 371 feet.
Fresh water at 105 feet.

WILSON AND SULLIVAN

O. Pike No. 2, lot 25, E.½, con. V, Warwick tp.

Completed August 10, 1939.
Producing oil well

Formation	Thickness, ft.
Surface	118
Top rock	57
Soap	143
Middle lime	12
Lower soap	37
Dark lime	1
Grey lime	101
Total depth	469

Oil at 423 feet.
Fresh water at 130 feet.

WILSON AND SULLIVAN

T. Westgate, Jr., No. 2, lot 25, W.½, con. V, Warwick tp.

Completed July 14, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	113
Top rock	58
Top soap	142
Middle lime	13
Lower soap	34
Dark streak	3
Grey lime	106
Total depth	469

Small show of oil at 424 feet.
Fresh water at 112 feet; salt water at 424 feet.

F. WOODWARD

R. A. Hume No. 3, lot 20, S.W.¼ of S.E.½, con. VI, Warwick tp.

Completed December, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	73
Black shale	18
Top lime	79
Top soap	140
Middle lime	18
Lower soap	27
Lower lime	120
Total depth	475

Show of oil at 393, 408, and 430 feet.
Fresh water at 73 feet; sulphur water at 80 feet.

F. E. McAfee

G. Cran No. 2, lot 26, W.½, con. VI, Warwick tp.
Completed November 3, 1939.
Producing oil well.

Formation	Thickness, ft.
Surface	129
Top rock	59
Soap	146
Middle lime	13
Lower soap	34
Dark lime	2
Grey lime	69
Total depth	452

Oil at 395, 405, and 445 feet.
Fresh water at 129 feet.

MacIntosh and Cole

R. A. Hume No. 1, lot 20, S.½, con. VI, S.E.R., Warwick tp.
Completed January 8, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	70
Hard black shale	26
White lime	1
Soap and lime	83
Soft grey soap	142
Hard grey middle lime	18
Hard lower soap	31
Big lime	129
Soft brown sand	2
Total depth	492

Fresh water at 71 and 106 feet; salt water at 423 feet.

A. McKercher

J. Perry No. 1, lot 18, S.W.¼, con. I, N.E.R., Warwick tp.
Completed February 2, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	60
Black shale	57
Top rock	70
Upper soap	141
Middle lime	20
Lower soap	37
Black streak	5
Lower lime	110
Total depth	500

Fresh water at 55 feet.

W. Newcombe

A. Williamson No. 1, lot 22, E.½ of W.½, con. IV, Warwick tp.
Completed February 8, 1939.
Small producing oil well.

Formation	Thickness, ft.
Surface	95
Hardpan	13
Rock	62
Top soap	130
Middle lime	15
Lower soap	36
Lower lime	100
Total depth	451

Oil at 445 feet.

Jack Perdue

R. Chambers No. 1, lot 21, E.½, con. V, S.E.R., Warwick tp.
Completed January 16, 1939.
Producing oil well.

Formation	Thickness, ft.
Surface	81
Black shale	15
Grey shale	13
Top rock	67
Upper soap	132
Middle lime	20
Lower soap	31
Lower lime	87
Total depth	451

Oil at 419 feet.
Show of gas at 110 and 368 feet.
Fresh water at 80 feet.

Pitcher, Sober and Jackson

Newell No. 1, lot 22, con. VI, Warwick tp.
Completed July 24, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	110
Top rock	15
Upper soap	211
Middle lime	22
Lower soap	31
Shale	15
Big lime	89
Total depth	492

Fresh water at 118 feet; black water at 487 feet.

H. Rose

G. Pike No. 1, lot 27, con. IV, S.E.R., Warwick tp.
Completed January, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	130
Top rock and hard streak	65
Soap	125
Middle lime	20
Lower soap	39
Lower lime	116
Total depth	495

Fresh water at 128 feet; salt water at 495 feet.

W. B. Schoolcraft

E. Atchison No. 1, lot 24, E.½ of W.½, con. V, Warwick tp.
Completed April 6, 1939.
Producing oil well.

Formation	Thickness, ft.
Clay	105
Lime	30
Shell	45
Hard shale	145
Middle lime	8
Lower soap	49
Lime	69
Total depth	451

Oil at 382 feet.

W. B. SCHOOLCRAFT

E. Atchison No. 2, lot 24, E.½ of W.½, con. IV, Warwick tp.

Completed May 15, 1939.
Producing oil well.

Formation	Thickness, ft.
Clay	102
Lime	30
Shell	52
Hamilton shale	129
Middle lime	20
Lower soap	43
Onondaga	27
Total depth	403

Oil at 377 feet.
Fresh water at 112 feet; black sulphur water at 310 feet.

W. B. SCHOOLCRAFT

A. Cameron No. 1, lot 24, E.½ of E.½, con. IV, Warwick tp.

Completed February 14, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	112
Top rock	67
Soap	139
Middle lime	14
Lower soap	36
Brown lime	2
Big lime	121
Total depth	491

Small show of oil at 427 to 432 feet.
Fresh water at 100 feet; black water at 427 to 432 and 481 to 491 feet.

W. B. SCHOOLCRAFT

Racraft No. 1, lot 24, con. III, S.E.R., Warwick tp.

Completed September 20, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	85
Black shale	59
Shell	71
Hamilton shale	142
Middle lime	12
Lower soap	43
Onondaga	98
Total depth	510

Fresh water at 25 and 93 feet.

W. B. SCHOOLCRAFT

T. Westgate, Sr., No. 1, lot 24, E.½, con. V, S.E.R., Warwick tp.

Completed June 22, 1939.
Producing oil well.

Formation	Thickness, ft.
Surface	103
Top rock	82
Hamilton shale	138
Middle lime	21
Shale	37
Onondaga	92
Total depth	473

Oil at 381 feet.
Fresh water at 103 feet.

W. B. SCHOOLCRAFT

T. Westgate, Sr., No. 2, lot 24, E.½, con. V, S.E.R., Warwick tp.

Completed June 26, 1939.
Producing oil well.

Formation	Thickness, ft.
Surface	116
Top rock	59
Soap	133
Middle lime	21
Soap	32
Delaware	4
Mud vein	2
Lime	63
Total depth	430

Oil at 361 to 365 and 391 to 394 feet.

W. B. SCHOOLCRAFT

T. Westgate, Sr., No. 3, lot 24, E.½, con. V, S.E.R., Warwick tp.

Completed July 22, 1939.
Producing oil well.

Formation	Thickness, ft.
Surface	100
Top rock	70
Hamilton shale	150
Middle lime	14
Lower soap	34
Onondaga	82
Total depth	450

Oil at 393 feet.
Fresh water at 101 feet.

W. B. SCHOOLCRAFT

T. Westgate, Sr., No. 4, lot 24, E.½, con. V, S.E.R., Warwick tp.

Completed July 19, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	110
Top rock	60
Soap	135
Middle lime	21
Soap	36
Delaware	2
Big lime	101
Total depth	465

Fresh water at 122 feet.

W. B. SCHOOLCRAFT

T. Westgate, Sr., No. 5, lot 24, E.½, con. V, S.E.R., Warwick tp.

Completed August 10, 1939.
Dry hole.

Formation	Thickness, ft.
Surface	105
Top rock	65
Soap	137
Middle lime	20
Soap	32
Dark lime	5
Lime	96
Total depth	460

Oil at 435 feet.
Fresh water at 105 feet.

HILLSIDE OIL AND GAS CO., LTD.

Mrs. M. McLennan No. 2, lot 18, R.R., Zone tp.
Completed April 8, 1940.
Small producing oil well.

Formation	Thickness, ft.
Surface	129
Upper soap	66
Middle lime	7
Lower soap	21
Big lime	179
Total depth	402

Show of oil at 370 and 390 feet.

E. B. HOLMES

W. Goodyear No. 6, lot 7, con. VIII, Zone tp.
Completed March 1, 1940.
Small producing oil well.

Formation	Thickness, ft.
Surface	205
Lime	183
Total depth	388

Oil at 383 feet.

E. B. HOLMES

W. Goodyear No. 7, lot 7, con. VIII, Zone tp.
Completed April 8, 1940.
Small producing oil well.

Formation	Thickness, ft.
Surface	205
Lime	183
Total depth	388

Oil at 370 feet.

WILLIAM MORVITT

M. Johnson No. 1, lot 2, con. V, Zone tp.
Completed November 15, 1940.
Small producing oil well.

Formation	Thickness, ft.
Surface	117
Upper soap	141
Middle lime	6
Lower soap	25
Big lime	46
Total depth	335

Oil at 324 feet.
Fresh water at 35 feet.

Lambton County

W. N. ALLEY

C. Catt No. 2, lot 4, con. VIII, Bosanquet tp.
Completed December 7, 1940.
Dry hole.

Formation	Thickness, ft.
Surface	106
Top rock	49
Upper soap	163
Middle lime	7
Lower soap	61
Big lime	121
Total depth	507

Show of gas at 84, 220, and 240 feet.
Show of oil at 392 and 463 feet.
Fresh water at 60 feet; black water at 113 feet.

FRED L. DAVIDSON

W. F. Gilliard No. 1, lot 5, W.½, con. VII, Bosanquet tp.
Completed March 30, 1940.
Dry hole.

Formation	Thickness ft.
Surface	119
Top rock	17
Upper soap	172
Middle lime	9
Lower soap	45
Big lime	108
Total depth	480

Show of gas at 142 feet.
Fresh water at 98 feet.

EDWARD NEWBERY AND ASSOCIATES

B. Sitter No. 1, lot 30, con. B, Bosanquet tp.
Completed May 10, 1940.
Dry hole.

Formation	Thickness, ft.
Surface	185
Rock	5
Grey lime	280
Total depth	470

Fresh water at 125 and 238 feet; salt water at 295 feet.

PERDUE BROS.

A. Lassaline No. 1, lot 34, con. X, Dawn tp.
Completed March 15, 1940.
Dry hole.

Formation	Thickness, ft.
Surface	75
Huron shale	35
Top rock	65
Upper soap	135
Middle lime	15
Lower soap	22
Big lime	91
Total depth	443

Fresh water at 72 feet; salt water at 440 feet.

E. E. KELLS

E. E. Kells No. 2, lot 12, W.½, con. XI, Enniskillen tp.
Completed July 25, 1940.
Dry hole.

Formation	Thickness, ft.
Surface	93
Top rock	55
Upper soap	114
Middle lime	16
Lower soap	44
Big lime	138
Total depth	460

Very small show of oil at 330 and 345 feet.
Fresh water at 96 feet; salt water at 460 feet.

F. A. Ogletree

C. Strangway No. 1, lot 3, con. V, Plympton tp.
ompleted June 15, 1940.
ry hole.

Formation	Thickness, ft.
Surface	115
Top rock	2
Upper soap	220
Middle lime	23
Lower soap	42
Big lime	137
Munroe lime	120
Shale and gypsum	13
Brown and grey lime	275
Lime and shale	438
Salt and lime	85
Lime and shale	80
Salt and lime	215
Brown lime	150
Shale and lime	25
Salt	55
Grey and brown lime	216
Shale and salt	175
Grey lime	275
Shale	105
Grey and dark lime	60
Blue, red, and grey shale	120
Total depth	2,945

how of oil at 2,610 feet.
lack water at 610 feet; salt water at 700, 825, and 2,175 feet.

Joseph A. Creed

Mrs. L. Chambers No. 2, lot 21, con. V, Warwick tp.
Completed January 25, 1940.
mall producing oil well.

Formation	Thickness, ft.
Surface	68
Black shale	15
Top rock	80
Upper soap	135
Middle lime	19
Lower soap	38
Big lime	71
Total depth	426

Gas at 392 feet.
Oil at 415 feet.

Joseph A. Creed

Mrs. L. Chambers No. 3, lot 21, con. V, Warwick tp.
Completed August 15, 1940.
Dry hole.

Formation	Thickness, ft.
Surface	75
Black shale	20
Top rock	65
Upper soap	38
Middle lime	20
Lower soap	102
Big lime	120
Total depth	440

Fresh water at 95 feet.

Joseph A. Creed

Mrs. L. Chambers No. 4, lot 21, con. V, Warwick tp.
Completed August 25, 1940.
Dry hole.

Formation	Thickness, ft.
Surface	72
Black shale	13
Top rock	75
Upper soap	138
Middle lime	22
Lower soap	30
Big lime	70
Total depth	420

A. A. Heal

S. Burchell No. 7, lot 27, con. V, Warwick tp.
Completed February 8, 1940.
Dry hole.

Formation	Thickness, ft.
Surface	135
Top rock	53
Upper soap	134
Middle lime	25
Lower soap	35
Big lime	88
Total depth	470

Show of oil at 387, 395, 408, 426, and 439 feet.
Fresh water at 122 feet; salt water at 439 feet.

A. A. Heal

S. Burchell No. 8, lot 27, con. V, Warwick tp.
Completed April 23, 1940.
Dry hole.

Formation	Thickness ft.
Surface	133
Top rock	31
Upper soap	155
Middle lime	27
Lower soap	38
Big lime	86
Total depth	470

Fresh water at 131 to 133 feet; salt water at 460 feet.

A. A. Heal

S. Burchell No. 9, lot 27, con. V, Warwick tp.
Completed June 7, 1940.
Small producing oil well.

Formation	Thickness, ft.
Surface	27
Top rock	51
Upper soap	139
Middle lime	17
Lower soap	40
Big lime	67
Total depth	440

Oil at 425 feet.
Fresh water at 120 feet.

Lett and Wood

G. A. Westgate No. 2, lot 29, E.½, con. V, S.E.R., Warwick tp.
Completed November 23, 1940.
Small producing oil well.

Formation	Thickness, ft.
Surface	80
Top rock	75
Upper soap	121
Middle lime	16
Lower soap	47
Big lime	86
Total depth	425

Oil at 149, 324, and 388 feet.

F. E. McAfee

A. Brown No. 2, lot 25, W.½, con. VI, S.E.R., Warwick tp.
Completed January 17, 1940.
Producing oil well.

Formation	Thickness, ft.
Surface	117
Top rock	58
Upper soap	145
Middle lime	11
Lower soap	39
Big lime	92
Total depth	462

Oil at 392 and 425 feet.
Fresh water at 115 and 125 feet; salt water at 310 feet.

JACK PERDUE

J. A. Brush No. 5, lot 30, con. V, Warwick tp.

Completed February 5, 1940.
Producing oil well.

Formation	Thickness, ft.
Surface	110
Top rock	1
Upper soap	187
Middle lime	18
Lower soap	34
Big lime	88
Total depth	443

Oil at 356 and 363 feet.
Fresh water at 60 and 170 feet.

JACK PERDUE

J. A. Brush No. 6, lot 30, con. V, Warwick tp.

Completed March 19, 1940.
Dry hole.

Formation	Thickness, ft.
Surface	105
Top rock	3
Upper soap	185
Middle lime	15
Lower soap	35
Big lime	132
Total depth	475

Show of oil at 397 feet.
Fresh water at 65 and 134 feet; black water at 470 feet.

W. D. SCHOOLCRAFT

Mrs. Atcheson No. 3, lot 24, con. V, S.E.R., Warwick tp.

Completed January 27, 1940.
Small producing oil well.

Formation	Thickness, ft.
Surface	106
Top rock	64
Upper soap	140
Middle lime	20
Lower soap	30
Big lime	105
Total depth	465

Oil at 380 and 462 feet.
Fresh water at 105 and 112 feet; salt water at 380 and 462 feet.

STONEHOUSE AND HEAL

H. O. Watson No. 1, lot 30, con. VI, S.E.R., Warwick tp.

Completed November 7, 1940.
Dry hole.

Formation	Thickness, ft.
Surface	105
Top rock	36
Upper soap	134
Middle lime	20
Lower soap	34
Big lime	57
Total depth	386

Gas at 180 feet.
Oil at 329 to 330 feet.
Fresh water at 27 and 105 to 108 feet; salt water at 384 feet.

WILSON AND GOUGH

A. Brown No. 2, lot 24, W.½ of E.½, con. VI, S.E.R., Warwick tp.

Completed November 15, 1940.
Producing oil well.

Formation	Thickness, ft.
Surface	127
Top rock	73
Upper soap	140
Middle lime	15
Lower soap	36
Big lime	100
Total depth	491

Oil at 401, 438, and 456 feet.
Fresh water at 127 feet.

WILSON AND SULLIVAN

L. Eastabrook No. 8, lot 26, W.½, con. V, S.E.R., Warwick tp.

Completed April 16, 1940.
Producing oil well.

Formation	Thickness, ft.
Surface	110
Top rock	60
Upper soap	142
Middle lime	14
Lower soap	36
Big lime	23
Total depth	385

Oil at 372 to 379 feet.
Fresh water at 108 feet.

WILSON AND SULLIVAN

T. Westgate, Jr., No. 3, lot 25, E.½ of W.½, con. V, S.E.R., Warwick tp.

Completed May 21, 1940.
Dry hole.

Formation	Thickness, ft.
Surface	97
Top rock	60
Upper soap	142
Middle lime	14
Lower soap	37
Big lime	114
Total depth	475

Fresh water at 108 feet; salt water at 470 feet.

SYDNEY EARL

Mrs. A. McTaggart No. 1, lot 29, con. VI, S.E.R., Warwick tp.

Completed October 20, 1941.
Small producing oil well.

Formation	Thickness, ft.
Surface	108
Upper soap	160
Middle lime	17
Lower soap	33
Dark streak	5
Big lime	97
Total depth	420

Oil at 390 to 415 feet.
Fresh water at 67 feet; salt water at 390 to 415 feet.

Shale	35
Niagara	210
Shale	32
Clinton	49
Red Medina	50
Shale	45
White Medina	10
Red shale	40
Total depth	550

Gas at 415 to 420 and 500 to 510 feet.
Black water at 85 feet.

GRIMSBY NATURAL GAS CO., LTD.

J. D. Book No. 2, lot 3, S.½, con. II, Caistor tp.
Completed July 27, 1940.
Producing gas well.
Rock pressure: 96 lbs.

Formation	Thickness, ft
Surface	82
Shale	38
Niagara	209
Shale	34
Clinton	47
Red Medina	49
Shale	47
White Medina	11
Red shale	40
Total depth	557

Gas at 442 and 500 to 510 feet; show of gas at 390 feet.
Black water at 89 feet.

GRIMSBY NATURAL GAS CO., LTD.

J. D. Book No. 3, lot 3, S ½, con. II, Caistor tp.
Completed October 4, 1940.
Producing gas well.
Rock pressure: 98 lbs.

Formation	Thickness, ft.
Surface	68
Shale	40
Niagara	215
Shale	32
Clinton	44
Red Medina	46
Shale	55
White Medina	8
Red shale	30
Total depth	538

Gas at 370 and 505 feet.
Black water at 75 feet.

GRIMSBY NATURAL GAS CO., LTD.

N. Jones No. 4, lot 3, N.E.¼, con. II, Caistor tp.
Completed January 3, 1940.
Producing gas well.
Rock pressure: 125 lbs.

Formation	Thickness, ft.
Surface	70
Lime and shale	30
Niagara	200
Shale	36
Clinton	30
Red Medina	40
Grey shale	63
White Medina	10
Red shale	15
Total depth	494

Gas at 361 and 396 feet.
Black water at 74 feet.

GRIMSBY NATURAL GAS CO., LTD.

N. Jones No. 5, lot 3, N.E.¼, con. II, Caistor tp.
Completed February 7, 1940.
Producing gas well.
Rock pressure: 128 lbs.

Formation	Thickness, ft.
Surface	48
Shale	35
Niagara	210
Shale	35
Clinton	45
Red Medina	40
Shale	54
White Medina	11
Shale	12
Total depth	490

Gas at 338 and 393 feet.
Black water at 53 feet.

GRIMSBY NATURAL GAS CO., LTD.

M. Lymburner No. 1, lot 3, N.W.¼, con. II, Caistor tp.
Completed March 30, 1940.
Producing gas well.
Rock pressure: 94 lbs.

Formation	Thickness, ft.
Surface	51
Shale	37
Niagara	212
Shale	34
Clinton	46
Red Medina	44
Shale	53
White Medina	10
Shale	40
Total depth	527

Gas at 390 and 479 feet; show of gas at 360 feet.
Black water at 55 feet.

GRIMSBY NATURAL GAS CO., LTD.

M. Lymburner No. 2, lot 3, N.W.¼, con. II, Caistor tp.
Completed May 20, 1940.
Dry hole.

Formation	Thickness, ft.
Surface	69
Shale	35
Niagara	202
Shale	38
Clinton	51
Red Medina	46
Shale	52
White Medina	11
Shale	16
Total depth	520

Small quantity of gas at 340 and 422 feet.

Manitoulin District

E. R. MORRIS

G. Jaggard No. 1, lot 13, con. A, Sheguiandah tp.
Completed November 6, 1940.
Small producing oil well.

Formation	Thickness, ft.
Grey lime	10
Blue lime	215
Grey shale	155
Brown shale	130
Black shale	20
Trenton	50
Total depth	580

Oil at 213, 238, 254, 295, 311, 336, 345, 354, 366, 370, 404, and 420 feet.
Fresh water at 30 and 45 feet.

E. R. MORRIS

G. McIvor No. 1, lot 12, con. VI, Sheguiandah tp.
Completed June 22, 1940.
Producing gas and oil well.
Rock pressure: 100 lbs.

Formation	Thickness, ft.
Surface	5
Grey lime	26
White lime	10
Blue lime	44
Grey lime	15
Blue lime	10
Grey lime	20
Blue lime	40
Grey shale	10
Dark lime	90
Light shale	25
Grey shale	85
Dark-brown shale	90
Shale	30
Trenton lime	55
Total depth	555

Gas at 190, 305, and 415 feet.
Oil at 517 and 531 feet.
Fresh water at 40 and 60 feet.

K. L. McLaren
G. A. Westgate No. 3, lot 29, con. V, S.E.R., Warwick tp.
Completed May 1, 1941.
Dry hole.

Formation	Thickness, ft.
Surface	103
Top rock	12
Upper soap	1.0
Middle lime	15
Lower soap	23
Dark s reak	11
Big lime	91
Total depth	425

Fresh water at 115 feet.

Wilson-Sullivan Development Co., Ltd.
R. Chambers No. 2, lot 27, con. IV, S.E.R., Warwick tp.
Completed April 21, 1941.
Small producing oil well.

Formation	Thickness, ft.
Surface	126
Top rock	59
Upper soap	136
Middle lime	23
Lower soap	27
Dark streak	5
Big lime	119
Total depth	495

Oil at 436, 447, 461, and 484 feet.

Wilson-Sullivan Development Co., Ltd.
R. Chambers No. 3, lot 27, con. IV, S.E.R., Warwick tp.
Completed May 27, 1941.
Small producing oil well.

Formation	Thickness, ft.
Surface	128
Top rock	56
Upper soap	140
Middle lime	21
Lower soap	27
Dark streak	11
Big lime	118
Total depth	501

Oil at 443 and 490 feet.

Wilson-Sullivan Development Co., Ltd.
R. Chambers No. 4, lot 27, con. IV, S.E.R., Warwick tp.
Completed July 5, 1941.
Dry hole.

Formation	Thickness, ft.
Surface	126
Top rock	62
Upper soap	133
Middle lime	29
Lower soap	34
Dark streak	7
Big lime	107
Total depth	498

Wilson-Sullivan Development Co., Ltd.
L. Eastabrook No. 8, lot 26, con. V, S.E.R., Warwick tp.
Completed October 30, 1941.
Dry hole.

Formation	Thickness, ft.
Surface	112
Top rock	60
Upper soap	140
Middle lime	24
Lower soap	28
Big lime	101
Total depth	465

Show of oil at 431 feet.

Wilson-Sullivan Development Co., Ltd.
L. Eastabrook No. 9, lot 26, con. V, S.E.R., Warwick tp.
Completed November 24, 1941.
Dry hole.

Formation	Thickness, ft.
Surface	108
Top rock	58
Upper soap	140
Middle lime	20
Lower soap	29
Dark lime	5
Big lime	105
Total depth	465

Show of oil at 422 feet.

Wilson-Sullivan Development Co., Ltd.
H. Rivers No. 2, lot 29, con. IV, S.E.R., Warwick tp.
Completed September 15, 1941.
Dry hole.

Formation	Thickness, ft.
Surface	126
Top rock	61
Upper soap	132
Middle lime	23
Lower soap	28
Dark lime	2
Big lime	123
Total depth	495

Wilson-Sullivan Development Co., Ltd.
W. Westgate No. 1, lot 28, con. IV, S.E.R., Warwick tp.
Completed August 1 1941.
Small producing oil well.

Formation	Thickness, ft.
Surface	128
Top rock	64
Upper soap	130
Middle lime	20
Lower soap	31
Big lime	70
Total depth	443

Oil at 437 feet.

WILSON-SULLIVAN DEVELOPMENT CO., LTD.
H. Edgar No. 1, lot 28, con. VI, S.E.R., Warwick tp.
Completed September 16, 1943.
Dry hole.

Formation	Thickness, ft.
Surface	143
Top rock	137
Middle lime	27
Lower soap	27
Big lime	126
Total depth	460

WILSON-SULLIVAN DEVELOPMENT CO., LTD.
McDougall Bros. No. 1, lot 30, con. VI, S.E.R., Warwick tp.
Completed November 18, 1943.
Dry hole.

Formation	Thickness, ft.
Surface	90
Top rock	36
Lime and soap	66
Soap	149
Middle lime	24
Total depth	365

WILSON-SULLIVAN DEVELOPMENT CO, LTD.
McDougall Bros. No. 2, lot 30, con. VI, S.E.R., Warwick tp.
Completed December 31, 1943.
Dry hole.

Formation	Thickness, ft.
Surface	90
Top rock	35
Upper soap	170
Middle lime	20
Lower soap	36
Big lime	53
Total depth	404

Salt water at 404 feet.

WILSON-SULLIVAN DEVELOPMENT CO., LTD.
T. Woods No. 2, lot 28, con. VI, S.E.R., Warwick tp.
Completed August 25, 1943.
Dry hole.

Formation	Thickness, ft.
Surface	84
Top rock	54
Upper soap	137
Middle lime	20
Lower soap	23
Big lime	262
Total depth	580

Shows of gas and oil at 330, 353, 371, 384, and 395 feet.
Fresh water at 83 feet.

W. E. STANLEY
S. Goit No. 1, lot 17, con. I, Caistor tp.
Completed June 25, 1941.
Dry hole.

Formation	Thickness, ft.
Surface	57
Niagara	256
Shale	41
Clinton	23
Red Medina	40
Shale	56
White Medina	15
Red shale	10
Total depth	498

Fresh water at 63 feet.

WILSON-SULLIVAN DEVELOPMENT CO.
G. Cran No. 2, lot 29, con. VI, S.E.R., Warwick tp.
Completed November 17, 1942.
Small producing oil well.

Formation	Thickness, ft.
Surface	84
Top rock	47
Upper rock	139
Middle lime	23
Lower soap	26
Big lime	201
Total depth	520

Oil at 327 and 385 feet.
Fresh water at 82 feet.

WILSON-SULLIVAN DEVELOPMENT CO.
T. Woods No. 1, lot 27, con. VI, S.E.R., Warwick tp.
Completed April 13, 1942.
Producing oil well.

Formation	Thickness, ft.
Surface	81
Top rock	64
Upper soap	124
Middle lime	21
Lower soap	28
Big lime	207
Total depth	535

Oil at 335 feet.
Salt water at 425 feet.

WILSON-SULLIVAN DEVELOPMENT CO.
G. Cran No. 3, lot 29, con. VI, S.E.R., Warwick tp.
Completed February 17, 1944.
Dry hole.

Formation	Depth, ft.
Surface	89
Top rock	128
Upper soap	267
Middle lime	288
Lower soap	315
Big lime	426

Show of oil at 323 feet.

WILSON-SULLIVAN DEVELOPMENT CO.
C. Manders No. 1, lot 15, con. V, S.E.R., Warwick tp.
Completed April 30, 1944.
Dry hole.

Formation	Depth, ft.
Surface	80
Brown shale	104
Lime	166
Upper soap	315
Middle lime	333
Lower soap	365
Big lime	490

Show of oil at 445 feet.
Black water at 487 feet.

Formation	Thickness, ft.
Surface	190
Middle lime	22
Lower soap	34
Lower lime	74
Total depth	320

Fresh water at 2 feet.

WILSON SULLIVAN DEVELOPMENT CO.

E. Davidson No. 3, lot 26, con. VI, S.E.R., Warwick tp.

Completed December 22, 1945.
Producing oil well.

Formation	Depth, ft.
Surface	125
Top rock	186
Top soap	325
Middle lime	343
Lower soap	375
Dark lime	382
Grey lime	408

Oil at 382 feet.
Fresh water at 124 feet.

WILSON SULLIVAN DEVELOPMENT CO.

L. Eastabrook No. 8, lot 26, con. V, S.E.R., Warwick tp.

Completed November 9, 1945.
Dry hole.

Formation	Depth, ft.
Surface	121
Top rock	182
Top soap	320
Middle lime	350
Lower soap	371
Dark lime	378
Grey lime	490

Show of oil at 378 and 440 to 445 feet.
Fresh water at 43 and 121 feet.

WILSON SULLIVAN DEVELOPMENT CO., LTD.

C. Davidson No. 2, lot 25, con. VI, S.E.R., Warwick tp.

Completed July 2, 1946.
Dry hole.

Formation	Depth, ft.
Surface	117
Hardpan	120
Top rock	182
Top soap	321
Middle lime	342
Lower soap	378
Lower lime	450

Show of oil at 380 and 395 feet.
Fresh water at 117 feet.

WILSON SULLIVAN DEVELOPMENT CO., LTD.

E. and R. Davidson No. 4, lot 25, con. VI, S.E.R., Warwick tp.

Completed August 2, 1946.
Dry hole.

Formation	Depth, ft.
Surface	116
Hardpan	124
Top rock	180
Top soap	321
Middle lime	342
Lower soap	374
Dark lime	380
Grey lime	490

Show of oil at 380 and 460 feet.
Fresh water at 8 and 124 feet.

WILSON SULLIVAN DEVELOPMENT CO., LTD.

G. Allan No. 1, lot 29, con. VI, S.E.R., Warwick tp.

Completed September 17, 1946.
Dry hole.

Formation	Depth, ft.
Surface	78
Hardpan	85
Top rock	135
Top soap	266
Middle lime	285
Lower soap	316
Lime	322
Grey lime	510

Show of oil at 337 feet.
Fresh water at 85 feet; black water at 465 feet.

IMPERIAL OIL, LTD., EASTERN CANADA EXPLORATION

T. Gavigan No. 1, lot 7, con. III, S.E.R., Warwick tp.

Driller: Kiser Bros.
Completed October 6, 1948.
Dry hole.

Formation	Depth, ft.
Surface	30
Brown shale	150
Soap	305
Brown lime	323
Soap	366
Brown and grey lime and gypsum	1,016
Brown and blue lime and gypsum	1,185
Brown and grey lime	1,226
Brown lime and salt	1,321
Brown and grey lime	1,362
Brown lime and salt	1,440
Salt	1,452
Grey shale	1,464
Brown lime	1,470
Grey shale and lime	1,517
Brown and grey lime	1,541
Brown lime and salt	1,878
Brown and grey lime	1,914
Blue shale	1,926
Brown and grey lime	1,950
Grey lime and salt	1,956
Salt	2,010
Brown lime	2,142
Dark lime and gypsum	2,148
Grey and brown lime	2,178

Salt water at 492 and 2,166 to 2,178 feet.

WILSON–SULLIVAN DEVELOPMENT CO., LTD.

O. Brown No. 2, lot 25, con. VI, S.E.R., Warwick tp

Driller: J. Maxwell.
Completed November 19, 1948.
Dry hole.

Formation	Depth, ft.
Surface	119
Top rock	177
Top soap	318
Middle lime	338
Lower soap	362
Big lime	485

Show of oil at 336 and 430 feet.
Fresh water at 118 feet.

WILSON–SULLIVAN DEVELOPMENT CO., LTD.

C. Killen No. 1, lot 8, con. II, S.E.R., Warwick tp

Driller: J. Maxwell.
Completed January 20, 1948.
Dry hole.

Formation	Depth, ft.
Surface	19
Black shale	63
Top rock	100
Soap	120
Lime and soap	145
Soap	280
Middle lime	301
Lower soap	337
Dark-grey lime	344
Brown lime	445

Show of oil at 409 feet.
Fresh water at 19 feet; sulphur water at 409 feet.

UNION GAS CO. OF CANADA, LTD.

W. and I. Bradshaw No. 1, lot 26, con. XIV, Sombra tp.

Driller: Kiser Bros.
Completed December 29, 1949.
Dry hole.

Formation	Depth, ft.
Surface	95
Black shale	235
Top rock	310
Soap	410
Middle lime	434
Soap	470
Brown lime	852
Sharp sand	985
Brown lime	1,071
Lime and gypsum	1,184
Brown, blue, and grey lime	1,370
Salt and lime shell	1,397
Blue and grey lime	1,487
Salt and lime shell	1,730
Brown and grey lime	1,870
Salt	1,945
Brown and grey lime	2,135

Fresh water at 90 feet; sulphur water at 600 feet.

R. AVERY

G. Morris No. 1, lot 14, con. V S., Warwick tp.

Driller: Demaray and Nichols.
Completed April 27, 1949.
Dry hole.

Formation	Depth, ft.
Surface	72
Black shale	105
Top rock	170
Soap	315
Middle lime	337
Lower soap	367
Lime	468

Show of oil at 435 to 440 feet.
Fresh water at 66 to 72 feet; sulphur water at 435 feet.

DAL OIL SYNDICATE

C. Skillen No. 1, lot 14, con. V, S.E.R., Warwick tp.

Driller: Demaray and Nichols.
Completed May 14, 1949.
Dry hole.

Formation	Depth, ft.
Surface	68
Black shale	102
Top rock	160
Upper soap	314
Middle lime	335
Lower soap	365
Lime	492

Fresh water at 67 feet; black sulphur water at 490 feet.

WILSON-SULLIVAN DEVELOPMENT CO.

E. Davidson No. 5, lot 25, con. VI, S.E.R., Warwick tp.

Driller: Wilson-Sullivan Development Company.
Completed June 30, 1949.
Dry hole.

Formation	Depth, ft.
Surface	119
Hardpan	120
Top rock	182
Top soap	318
Middle lime	338
Lower soap	363
Dark lime	369
Grey lime	432

Show of oil at 363 feet.
Fresh water at 119 feet; sulphur water at 430 feet.

WILSON-SULLIVAN DEVELOPMENT CO.

O. Brown No. 3, lot 24, con. VI, S.E.R., Warwick tp.

Driller: Wilson-Sullivan Development Company.
Completed February 18, 1949.
Dry hole.

Formation	Depth, ft.
Surface	119
Top rock	165
Soap	180
Grey lime	190
Top soap	324
Middle lime	344
Lower soap	365
Dark lime	378
Grey lime	430

Show of oil at 378 feet.
Fresh water at 105 feet; sulphur water at 378 feet.

Lambton County—Continued

IMPERIAL OIL, LTD.

J. Jones No. 1, lot 14, con. VI, Sombra tp.

Driller: C. Carter.
Completed October 9, 1952.
Producing gas well.
Rock pressure: 901 lb.

Formation	Depth, feet
Surface	112
Grey and black shale	304
Hamilton	550
Brown lime	612
Grey and brown lime and water sand	742
Lime and gypsum	747
Brown and grey lime	770
Brown lime and gypsum	780
Grey lime	820
Brown lime	924
Sharp grey lime	1,126
Grey and blue lime	1,220
Blue shale and grey and brown lime	1,380
Blue shale and gypsum	1,390
Blue shale and brown lime	1,497
Grey lime and gypsum	1,504
Blue shale and brown lime	1,625
Water sand	1,645
Grey and brown lime	1,700
Blue shale	1,746
Gypsum and salt	1,791
Gypsum and dark lime	1,807
Brown and grey lime and slate	1,900
Gypsum	1,908
Gypsum and brown lime	1,911
Brown lime	1,944

Gas at 100, 1,796, 1,919–21, 1,922–27 feet.
Show of oil at 1,928 feet.
Fresh water at 100 feet; sulphur water at 635–60, 675, and 703–24 feet; salt water at 1,630 and 1,928 feet.

IMPERIAL OIL, LTD.

A. and A. Shepley No. 1, lot 13, con. XI, Sombra tp.

Driller: R. McMaster and Sons.
Completed January 17, 1952.
Dry hole.

Formation	Depth, feet
Surface	130
Huron	346
Hamilton	555
Brown lime	676
Sand lime	750
Brown lime	875
Lime and gypsum	891
Brown lime	927
Sharp lime	971
Brown lime	1,031
Sharp lime	1,087
Brown lime	1,183
Lime and shale	1,420
Lime and gypsum	1,430
Lime and shale	1,495
Shale and gypsum	1,517
Salt and lime streaks	1,762
Brown lime	1,894
Lime and gypsum	1,903
Salt	1,975
Lime and gypsum	1,981
Brown and grey lime	2,241
Shale	2,253

Fresh water at 126 feet; sulphur water at 676 feet.

UNION GAS CO. OF CANADA, LTD.

D., F., and J. Pettit No. 1, lot 29, con. XV, Sombra tp.

Driller: Wayne Kiser and Son.
Completed December 8, 1953.
Dry hole.

Formation	Depth, feet
Surface	82
Black shale	187
Hamilton	417
Brown lime	830
Sharp lime	985
Brown lime	1,081
Blue, brown and grey lime	1,155
Blue and grey lime and gypsum	1,175
Blue, grey and brown lime	1,460
Salt	1,480
Brown lime	1,489
Salt and lime	1,702
Brown lime	1,794
Brown and blue lime	1,842
Salt	1,915
Brown lime	2,097
Brown and grey lime and gypsum	2,083
Brown lime	2,089
Grey lime	2,165
Blue shale	2,170

Fresh water at 80 feet; sulphur water at 580 and 620 feet.

IMPERIAL OIL, LTD.

E. Smith No. 1, lot 15, con. X, Sombra tp.

Driller: R. McMaster and Sons.
Completed February 29, 1952.
Dry hole.

Formation	Depth, feet
Surface	130
Black shale	340
Hamilton	548
Brown lime	1,045
Sharp lime	1,085
Brown lime	1,162
Shale and lime	1,271
Brown, blue and grey lime	1,425
Grey shale and lime	1,494
Salt and lime	1,731
Brown and grey lime	1,880
Salt	1,940
Lime and gypsum	1,948
Brown lime	2,052
Brown and grey lime	2,197
Grey shale	2,200

Fresh water at 120 feet; sulphur water at 670 feet.

Lambton County—Continued

IMPERIAL OIL, LTD.

W. Tretheway No. 1, lot 2, con. XIII, Sombra tp.

Driller: Stubble and Stubble.
Completed April 16, 1952.
Dry hole.

Formation	Depth, feet
Surface	150
Dark grey shale	199
Black shale	409
Hamilton	648
Brown and grey lime	835
Brown lime and gypsum	872
Grey, brown and blue lime	998
Sharp brown and grey lime	1,165
Grey and brown lime	1,252
Blue lime and gypsum	1,260
Blue and brown lime	1,304
Brown lime and gypsum	1,310
Brown and blue and grey lime	1,552
Brown lime and salt	1,560
Blue shale and grey shale	1,645
Grey lime, salt and brown lime	1,815
Salt	1,885
Brown lime	1,902
Salt	1,919
Grey and brown lime	2,085
Salt	2,152
Brown lime and gypsum	2,157
Brown lime	2,193
Grey lime	2,214
Brown lime	2,268
Grey lime	2,286
Brown lime	2,306
Grey lime	2,406
Shale	2,411

Sulphur water at 734 and 776 feet.

IMPERIAL OIL, LTD.

G. and W. Young, No. 1, lot 2, con. XIII, Sombra tp.

Driller: Stubble and Stubble.
Completed February 12, 1952.
Dry hole.

Formation	Depth, feet
Surface	160
Port Lambton	199
Black shale	408
Hamilton	635
Grey lime and shells	654
Brown lime	831
Brown lime and gypsum	875
Brown lime	1,020
Brown and grey lime	1,160
Brown and grey lime	1,242
Brown and blue lime	1,273
Grey lime	1,297
Brown and blue lime	1,312
Brown lime and gypsum	1,319
Blue lime, blue shale and brown lime	1,635
Salt and lime	1,909
Brown and grey lime	2,070
Salt	2,140
Brown lime	2,260
Grey lime	2,276
Brown lime	2,299
Brown and grey lime	2,321
Grey lime	2,393
Rochester shale	2,402

Fresh water at 100 feet; sulphur water at 742 feet.

IMPERIAL OIL, LTD.

E. Faulds No. 1, lot 30, con. V, north of Egremont Road, Warwick tp.

Driller: R. McPherson.
Completed September 18, 1952.
Dry hole.

Formation	Depth, feet
Surface	130
Hamilton	368
Brown lime	767
Sharp brown and grey lime	988
Brown lime	1,098
Blue lime and gypsum	1,108
Brown and blue lime	1,339
Lime and salt	1,349
Blue shale	1,400
Lime and salt	1,410
Brown lime	1,425
Lime and salt	1,632
Brown lime	1,933
Brown and grey lime	1,992
Brown lime	2,017
Grey lime	2,061
Brown lime	2,150
Brown and blue lime	2,163
Grey lime	2,180
Grey shale	2,193

Black water at 475–85 feet.

IMPERIAL OIL, LTD.

C. Huctwith No. 1, lot 11, con. IV, north of Egremont Road, Warwick tp.

Driller: R. McMaster and Sons.
Completed October 28, 1952.
Dry hole.

Formation	Depth, feet
Surface	54
Black shale	124
Hamilton	408
Brown lime	525
Brown lime and gypsum	548
Brown lime	835
Sharp brown lime	995
Brown lime	1,060
Blue and brown lime	1,280
Brown lime and salt	1,440
Brown lime	1,510
Lime, shale and salt	1,602
Salt	1,640
Lime and salt	1,874
Brown and grey lime	2,020
Salt	2,106
Brown and grey lime	2,342
Grey shale	2,351

Gas at 215 feet.
Fresh water at 48 feet; sulphur water at 535 feet.

IMPERIAL OIL, LTD.

J. Moffatt No. 1, lot 14, con. VI, south of Egremont Road, Warwick tp.

Driller: R. McPherson.
Completed April 23, 1952.
Dry hole.

Formation	Depth, feet
Surface	90
Black shale	150
Grey lime and soap	173
Shale	185
Soap	190
Grey lime	195
Soap and lime	240
Soap	360
Lime	385
Soap	395
Soap and lime	417
Brown lime	450
Grey and brown lime	570

Sulphur water at 540 feet.

Lambton County—Continued

UNION GAS CO. OF CANADA, LTD.—DAWN NO. 165

E. and E. Selman No. 1, lot 22, con. XIV, Sombra tp.

Location: 350 ft. S., 750 ft. E.
Elevation: 615 ft.
Driller: W. Kiser and Son.
Completed: Feb. 17, 1953.
Result: dry hole.

Formation	Depth ft.
Surface	99
Grey shale	155
Black shale	300
Hamilton	521
Brown lime	934
Sharp lime	1,043
Brown lime	1,117
Brown and blue lime and gypsum	1,135
Brown and grey lime	1,158
Brown lime and gypsum	1,184
Brown, grey, and blue lime	1,493
Salt and lime	1,741
Brown and grey lime	1,891
Salt and lime	1,963
Brown and grey lime	2,077
Brown and grey lime and gypsum	2,107
Brown lime	2,125
Grey lime	2,209
Blue shale	2,217

Fresh water at 95 ft.; sulphur water at 580 ft.; salt water at 2,143 ft.

IMPERIAL OIL, LTD.—NO. 416

C. Fuller No. 1, lot 26, con. II, south of Egremont Rd., Warwick tp.

Location: 1,800 ft. S., 600 ft. E.
Elevation: 820+2 ft.
Driller: R. McMaster and Sons.
Completed: Nov. 19, 1953.
Result: dry hole.

Formation	Depth ft.
Surface	136
Black shale	152
Hamilton	443
Brown and grey lime	665
Brown lime and gypsum	730
Sharp lime	806
Brown lime	869
Sharp lime	1,028
Brown and grey lime	1,115
Blue and brown lime and blue shale	1,404
Salt and lime	1,428
Blue shale	1,501
Salt, shale, and lime	1,555
Salt	1,742
Brown lime	1,860
Blue lime	1,893
Salt and lime	1,900
Salt and gypsum	1,930
Lime and gypsum	1,962
Brown lime	2,053
Lime and gypsum	2,092
Brown and grey lime	2,115
Grey lime	2,164
Black shale	2,177

Fresh water at 56 ft.; sulphur water at 562 ft.

IMPERIAL OIL, LTD.—NO. 401

R. Brandon No. 1, lot 10, con. IV, north of Egremont Rd., Warwick tp.

Location: 800 ft. S., 300 ft. W.
Elevation: 736 ft.
Driller: R. McMaster and Sons.
Completed: Sept. 22, 1953.
Result: dry hole.

Formation	Depth ft.
Surface	65
Black shale	115
Hamilton	370
Brown and grey lime and gypsum	874
Sharp lime	1,010
Brown lime	1,102
Brown lime and blue shale	1,250
Salt and lime	1,304
Brown lime	1,330
Salt and blue shale	1,405
Brown and grey lime	1,469
Blue shale and salt	1,537
Brown lime and shale	1,582
Salt and lime	1,750
Brown lime	1,802
Grey lime	1,824
Blue shale and brown lime	1,840
Lime and gypsum	1,846
Brown lime	1,965
Grey lime	1,987
Brown and grey lime	2,054
Grey and blue lime	2,274

Gas at 224 ft.
Fresh water at 60 ft.; sulphur water at 645 ft.; salt water at 2,135 ft.

IMPERIAL OIL, LTD.—NO. 384

G. and E. Hollingsworth No. 1, lot 12, con. III, south of Egremont Rd., Warwick tp.

Location: 2,000 ft. S., 100 ft. W.
Driller: R. McMaster and Sons.
Completed: June 25, 1953.
Result: producing oil well.

Formation	Depth ft.
Surface	46
Black shale	65
Hamilton	332
Brown lime	801
Sharp lime	889
Brown lime	930
Blue and brown lime	1,028
Blue lime and gypsum	1,040
Blue and brown lime	1,294
Lime and salt	1,302
Brown and blue lime	1,423
Salt	1,557
Brown lime	1,831

Gas at 1,760–1,831 ft.
Oil at 347, and 1,831 ft.
Fresh water at 45 ft.; sulphur water at 490 ft.

Lambton County—Continued

IMPERIAL OIL, LTD.—No. 399

G. Hollingsworth No. 2, lot 12, con. III, south of Egremont Rd., Warwick tp.

Location: 1,800 ft. S., 50 ft. W.
Elevation: 725+6 ft.
Driller: Union Rotary Corp.
Completed: Aug. 11, 1953.
Result: producing oil well.

Formation	Depth ft.
Surface	53
Black shale	78
Hamilton	350
Brown lime	774
Sharp sand	939
Brown lime	1,046
Brown and blue lime and gypsum	1,265
Blue lime and gypsum	1,335
Salt and lime	1,364
Blue lime and gypsum	1,435
Salt	1,569
Brown and blue lime	1,646
Brown lime	2,128
Grey lime	2,233
Grey shale	2,250

Gas at 1,835–47 and 1,753–1,835 ft.
Oil at 1,847–81 and 1,881–1,911 ft.

IMPERIAL OIL, LTD.—No. 407

F. McManus No. 1, lot 13, con. III, south of Egremont Rd., Warwick tp.

Location: 1,300 ft. N., 100 ft. E.
Elevation: 731+2 ft. (cable rig).
731+6 ft. (rotary rig).
Driller: Stubble and Stubble.
Completed: Nov. 6, 1953.
Result: dry hole.

Formation	Depth ft.
Surface	58
Black shale	90
Hamilton	363
Grey and brown lime	728
Sharp lime	948
Brown lime	1,047
Lime and gypsum	1,070
Blue and brown lime	1,335
Salt and lime	1,364
Blue shale	1,429
Salt and lime	1,640
Brown lime	1,740
Gypsum	1,762
Brown lime	2,037

Show of oil at 1,922–88 ft.
Fresh water at 53 ft.; sulphur water at 487 ft.; salt water at 1,990 ft.

IMPERIAL OIL, LTD.—No. 415

C. Hollingsworth No. 3, lot 12, con. III, south of Egremont Rd., Warwick tp.

Location: 500 ft. S., 200 ft. W.
Elevation: 723+2 ft.
Driller: Stubble and Stubble.
Completed: Nov. 19, 1953.
Result: dry hole.

Formation	Depth ft.
Surface	50
Black shale	85
Hamilton	349
Brown and grey lime and gypsum	778
Sharp, grey lime	952
Brown lime	1,043
Brown lime and gypsum	1,059
Blue and brown lime and gypsum	1,246
Brown lime and salt	1,257
Grey, blue and brown lime	1,330
Brown lime and salt	1,345
Brown and blue lime and blue shale	1,430
Salt and lime	1,440
Brown and grey lime	1,451
Brown lime and salt	1,700
Brown, grey, and blue lime	1,790
Grey and brown lime and gypsum	1,806
Brown and grey lime	2,090
Grey lime	2,173
Grey lime and blue shale	2,193

Show of oil at 1,871 ft.
Fresh water at 44 ft.; sulphur water at 474–83 ft.; salt water at 2,118 ft.

IMPERIAL OIL, LTD.—No. 398

A. Rawlings No. 1, lot 5, con. I, south of Egremont Rd., Warwick tp.

Location: 300 ft. N., 350 ft. E.
Elevation: 708+2 ft.
Driller: R. McMaster and Sons.
Completed: Aug. 27, 1953.
Result: dry hole.

Formation	Depth ft.
Surface	67
Black shale	144
Hamilton	433
Grey and brown lime	865
Sharp lime	1,025
Brown and grey lime and blue shale	1,109
Shaly grey and brown lime and blue shale	1,295
Salt and shale	1,327
Brown lime	1,332
Salt and lime	1,425
Brown lime	1,488
Salt and lime	1,565
Lime and gypsum	1,599
Brown lime	1,607
Blue shale	1,627
Lime and salt	1,872
Brown lime	1,972
Grey shale	2,008
Brown lime	2,019
Salt and lime	2,107
Gypsum	2,121
Brown lime	2,340
Lime and shale	2,350

Sulphur water at 518 ft.

Lambton County—Continued

IMPERIAL OIL, LTD.—No. 414

A. Straatman No. 1, lot 12, con. III, south of Egremont Rd., Warwick tp.

Location: 2,000 ft. S., 658 ft. E.
Elevation: 720+2 ft.
Driller: Stubble and Stubble.
Completed: Nov. 18, 1953.
Result: dry hole.

Formation	Depth ft.
Surface	60
Black shale	80
Hamilton	360
Grey and brown lime	777
Sharp, brown and grey lime	946
Brown lime	1,041
Brown lime and gypsum	1,112
Blue, brown, and grey lime	1,251
Brown lime and salt	1,260
Brown and grey lime	1,330
Grey lime and blue shale	1,448
Brown lime and salt	1,712
Brown lime	1,738
Grey lime	1,764
Grey and brown lime	1,826
Blue shale	1,841
Grey and brown lime and gypsum	1,866
Brown lime	2,126
Grey lime	2,193
Shale	2,197

Oil at 1,990 ft.
Fresh water at 47 ft.; sulphur water at 478 ft.; salt water at 2,040–53 ft.

CAN-AMERICAN SYNDICATE–UNION GAS CO. OF CAN., LTD.—No. 1

J. and W. McDougall No. 1, lot 30, con. VI, south of Egremont Rd., Warwick tp.

Location: 2,800 ft. N., 100 ft. W.
Elevation: 760+2 ft.
Driller: Meier and Shaw.
Completed: Oct. 14, 1953.
Result: dry hole.

Formation	Depth ft.
Surface	90
Hamilton	340
Brown lime	688
Sharp lime	846
Brown and grey lime	932
Brown lime and gypsum	988
Brown and blue lime	1,013
Brown and blue lime and gypsum	1,022
Brown lime	1,053
Brown and blue lime and gypsum	1,061
Brown, blue, and grey lime	1,494
Brown lime	1,536
Brown, blue, and grey lime	1,591
Lime and gypsum	1,615
Brown lime	1,868
Brown and grey lime	1,887
Grey lime	2,020
Grey shale	2,023

Show of oil at 342 and 390 ft.
Fresh water at 50 ft.; sulphur water at 342 and 390 ft.; salt water at 1,797 ft.

WILSON-SULLIVAN DEVELOPMENT CO.—No. 61

C. Davidson No. 3, lot 25, con. VI, south of Egremont Rd., Warwick tp.

Location: 2,400 ft. N., 225 ft. W.
Elevation: 802+1 ft.
Driller: Wilson-Sullivan Development Co.
Completed: Apr. 23, 1953.
Result: producing oil well.

Formation	Depth ft.
Surface	119
Grey lime	134
Upper soap	316
Middle lime	336
Lower soap	367
Dark-grey lime	369
Brown lime	408

Oil at 369 ft.
Fresh water at 119 ft.

Lincoln County—Continued

THE GRIMSBY NATURAL GAS CO., LTD.—No. 133A

R. Killins No. 1, lot 5, con. IV, Caistor tp.

Location: 320 ft. E., 380 ft. S.
Driller: R. Mandley and Son.
Completed: July 27, 1953.
Result: dry hole.

Formation	Depth ft.
Surface	58
Niagara	286
Shale	333
Clinton	356
Red Medina	399
Shale	446
White Medina	459
Red shale	461

THE GRIMSBY NATURAL GAS CO., LTD.—No. 136A

R. Killins No. 4, lot 5, con. IV, Caistor tp.

Location: 2,200 ft. N., 450 ft. W.
Driller: R. Mandley and Son.
Completed: Sept. 28, 1953.
Rock pressure: 123 lb.
Result: producing gas well.

Formation	Depth ft.
Surface	58
Niagara	284
Shale	324
Clinton	351
Red Medina	389
Grey shale	444
White Medina	456
Red shale	458

Gas at 371 ft.
Fresh water at 54 ft.; sulphur water at 197 ft.

GRIMSBY NATURAL GAS Co
R. Killins #4 lot 5 Con IV Caistor Twp Middleton
Comp Sept 28 53
Surface 58
Niagara 284
Shale 324
Clinton 351
Red Medina 389
Shale 444
White Medina 456
Red Shale 458
Gas at 371 Fresh water 54' Sulphur water 197

THE GRIMSBY NATURAL GAS CO., LTD.—No. 132A

H. Sorge No. 1, lot 5, con. IV, Caistor tp.

Location: 300 ft. S., 300 ft. E.
Driller: R. Mandley and Son.
Completed: July 10, 1953.
Rock pressure: 75 lb.
Result: producing gas well.

Formation	Depth ft.
Surface	75
Niagara	289
Shale	318
Clinton	351
Red Medina	391
Shale	439
White Medina	459
Red shale	460

Gas at 330 and 373 ft.
Fresh water at 82 ft.; black water at 210 ft.

THE GRIMSBY NATURAL GAS CO., LTD.—No. 131A

J. Zumstein No. 1, lot 1, con. IV, Caistor tp.

Location: 1,550 ft. N., 700 ft. W.
Driller: R. Mandley and Son.
Completed: Feb. 16, 1953.
Rock pressure: 86 lb.
Result: producing gas well.

Formation	Depth ft.
Surface:	51
Brown lime	70
Niagara	297
Shale	324
Clinton	353
Red Medina	398
Grey shale	446
White Medina	463
Red shale	505

Gas at 338 and 452 ft.
Fresh water at 56, 127, and 248 ft.

Lambton County - Continued

IMPERIAL OIL LTD. - No. 490
N. Robson No. 1
Sombra Tp., Lot 5, Con. XIII.

Co-ordinates: 1900' S., 400' E.
Elevation: 607' + 2'.
Driller: R. McPherson.
Completed: November 13, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	160	160
Black shale	240	400
Hamilton	230	630
Brown lime	120	750
Brown and grey lime	140	890
Sharp lime	285	1,175
Brown lime	125	1,300
Brown, grey lime and gypsum	220	1,520
Grey lime and shale	110	1,630
Salt	270	1,900
Brown lime	70	1,970
Brown, grey lime and shale	75	2,045
Salt	80	2,125
Brown lime	75	2,200
Grey, brown lime and shale	70	2,270
Brown lime	45	2,315
Grey lime	60	2,375
Grey shale	5	2,380

Water
Fresh at 190'
Sulphur at 724' to 736'

STANWELL OIL AND GAS LTD. - No. 2
G. Moran No. 2
Sombra Tp., Lot "C", Con. VII.

Co-ordinates: 1905' N., 940' E.
Elevation: 580' + 2'.
Driller: R. McPherson.
Completed: January 7, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	162	162
Black shale	190	352
Hamilton	223	575
Brown and grey lime	467	1,042
Sharp lime	82	1,124
Brown lime	56	1,180
Blue and brown lime	80	1,260
Lime and gypsum	13	1,273
Blue and brown lime	81	1,354
Lime and gypsum	56	1,410
Blue and brown lime	150	1,560
Salt and lime	209	1,769
Brown and grey lime	156	1,925
Salt	60	1,985
Grey lime	108	2,093
Lime and gypsum	20	2,113
Brown lime	30	2,143
Grey lime	94	2,237
Rochester shale	19	2,256
Clinton	10	2,266
Medina shale	17	2,283

Water
Sulphur at 633'

IMPERIAL OIL LTD. - No. 422
F. McManus No. 2
Warwick Tp., Lot 13, Con. III S.

Co-ordinates: 2040' N., 620' E.
Elevation: 722' + 2'.
Driller: Stubble and Stubble.
Completed: January 20, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	50	50
Black shale	23	73
Hamilton	275	348
Brown lime	162	510
Brown and grey lime	240	750
Sharp lime	197	947
Brown lime	89	1,036
Brown lime and gypsum	74	1,110
Blue, brown and grey lime	210	1,320
Salt and lime	26	1,346
Blue lime	70	1,416
Salt and lime	8	1,424
Brown lime	16	1,440
Salt	170	1,610
Brown lime	490	2,100
Grey lime	84	2,184
Grey shale	4	2,188

Water
Fresh at 45'
Sulphur at 475'
Salt at 2,025' to 2,035'

Oil
Show at 1,982' to 2,025'

IMPERIAL OIL LTD. - No. 443
C. Manders No. 1
Warwick Tp., Lot 14, Con. IV S.

Co-ordinates: 3200' N., 400' W.
Elevation: 747' + 2'.
Driller: Earle and Lather.
Completed: April 30, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	78	78
Black shale	32	110
Hamilton	270	380
Brown lime	145	525

Water
Sulphur at 503'

IMPERIAL OIL LTD. - No. 444
E. Jones No. 1
Warwick Tp., Lot 9, Con. III S.

Co-ordinates: 2500' S., 600' W.
Elevation: 710' + 2'.
Driller: Earle and Lather.
Completed: April 23, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	34	34
Black shale	60	94
Hamilton	271	365
Brown lime	155	520

Water
Sulphur at 485' to 490'

Lambton County - Continued

G. MASTERS AND J. BURTON - No. 1
B. Perry No. 1
Warwick Tp., Lot 14, Con. I. S.E.R.

Co-ordinates: 350' N., 500' E.
Elevation: 737' + 3'.
Driller: R. McMaster and Sons.
Completed: April 30, 1954.
Result: Dry hole.

Formation	Thickness feet	Depth feet
Surface	54	54
Huron	91	145
Hamilton	257	402
Norfolk	590	992
Bass Island	101	1,093
Salina	1,061	2,154
Guelph-Lockport	116	2,270
Rochester	20	2,290
Clinton	8	2,298
Medina	117	2,415
Queenston	289	2,704
Meaford-Dundas	345	3,049
Utica	98	3,147
Trenton	895	4,042
Basal beds	20	4,062
Arkose and granite	6	4,068

Water
Sulphur at 515'

Gas
Trace in Trenton

MOUNT PETROLEUM CORPORATION OF CANADA LTD. - No. 1
G. Manders No. 1
Warwick Tp., Lot 12, Con. V. S.E.R.

Co-ordinates: 317' S., 41 W. of c/1.
Elevation: 727' + 2'.
Driller: W. McKillop.
Completed: July 26, 1954.
Result: Dry hole.

Formation		Thickness feet	Depth feet
Surface		51	51
Kettle point		56	107
Hamilton		274	381
Dundee		93	474
Detroit River		476	950
Bass Island		106	1,056
Salina		1,057	2,113
Salt	1,268-1,283		
	1,397-1,408		
	1,497-1,549		
	1,570-1,760		
	1,907-1,965		
	A2 - 1,760		
	A1 - 1,970		
Guelph		87	2,200

Water
Sulphur at 49' and 533'

G. MASTERS AND J. BURTON - No. 2
G. Edwards No. 1
Warwick Tp., Lot 15, Con. III S.

Co-ordinates: 1914' S., 500' W. of c/1.
Elevation: 736' + 2'.
Driller: H. H. Stubble and Son.
Completed: August 5, 1954.
Result: Dry hole.

Formation		Thickness feet	Depth feet
Surface		54	54
Kettle Point		50	104
Hamilton		271	375
Dundee		97	472
Detroit River		502	974
Bass Island		101	1,075
Salina		1,010	2,085
Salt	1,261-1,270		
	1,375-1,395		
	1,486-1,506		
	1,516-1,738		
	1,878-1,940		
	A2 - 1,738		
	A1 - 1,943		
Guelph		85	2,170
Rochester		11	2,181

Water
Sulphur at 503'
Salt at 2,106'

Lincoln County

CLIFFORD COON - No. 1
C. Coon No. 1
Caistor Tp., Lot 17, Con. VII.

Co-ordinates: 175' N. of S.R., 1100' W.
Elevation:
Driller: W. Packham.
Completed: June 12, 1954.
Result: Producing gas well.
Reported flow: 15 M.C.F./day; W.H.P. 100 lbs.

Formation	Thickness feet	Depth feet
Surface	30	30
Shale	2	32
Niagara and white lime	183	215
Rochester	20	235
Clinton	15	250
Red Medina	37	287
Grey shale	61	348
White Medina	9	357
Queenston	23	380

Water
Fresh at 30' and 35'
Sulphur at 75'

Gas
At 255' and 349'

Name of Gas or Oil Co. G K MASTERS - J.T. BURTON — Year 1954

Address — Co. Well No. 2

Location, County LAMBTON — Tp. MARKHAM — Con. III S — Lot 15 — Pt. Lot E½

Driller Stabbe — Address — Prop. Owner G Edwards

Date commenced — Date completed 5 Aug 54 — Elev. 733±3 — Acres 100

DRILLERS LOG (Formation)	Thickness	TOTAL
Surface	54	
Kettle Point	50	104
Hamilton	271	375
Dundee	97	472
Detroit River	502	974
Bass Island	101	1075
Salina Total	1010	2085
Salt 1261 - 70		
1375 - 95		
1486 - 1506		
1516 - 1738		
1878 - 1940		
A.2. 1738		
A.1. 1943		
Guelph	85	2171
Rochester	11	2182

WATER RECORD

Kind	Depth	Ft. Rises
Sulfur	503	150
Salt	2106	?

CASING RECORD

Length	Diam.	Weight

SKETCH OF LOCATION

1880 S 465 W.

W. E. S.

Type Packer

Size

Set off Bottom feet

Explosive used — No. qts. or lbs.

Placed between — and — ft. from surface

Initial Oil Yield — bbls./day. Initial Gas Yield Show M. cu. ft./day

Rock Pressure — lbs. After being shut in — Days

1st Gas or Oil — ft. Flow — cu. ft. or bbls./day

2nd " " " — " " — " " " "

3rd " " " — " " — " " " "

4th " " " — " " — " " " "

5th " " " — " " — " " " "

6th " " " — " " — " " " "

Name of Gas or Oil Co. IMPERIAL OIL CO.

Address

Location, County LAMBTON Tp. WARWICK Con. III S Lot 13

Driller Stubble Address

Date commenced Date completed 20 Jany 54

Year 1954

Co. Well No. 422

Pt. Lot ~~NE~~ 1/2

Prop. Owner ~~A White #3~~ F McManus #3

Elev. ~~600+2~~ 722+2

Acres 100

DRILLERS LOG (Formation)	Thickness	TOTAL
Surface	50	
Black shale	23	73
Hamilton	275	348
Brown & grey lime	402	750
Sharp "	197	947
Brown "	89	1036
Lime & gyp	74	1110
Blue brown & grey "	210	1320
Salt & lime	26	1346
Blue "	70	1416
Salt & lime	8	1424
Brown "	16	1440
Salt & lime	170	1610
Brown "	490	2100
Grey "	84	2184
Grey shale	4	2188

WATER RECORD

Kind	Depth	Ft. Rises
Fresh	45	35
Sulfur	475	190
Salt	2025	1900

CASING RECORD

Length	Diam.	Weight

SKETCH OF LOCATION

Warwick #5 N.

2040' N 620 E

W. E.

S.

Type Packer

Size

Set off Bottom feet

Explosive used No. qts. or lbs.

Placed between and ft. from surface

Initial Oil Yield bbls./day. Initial Gas Yield M. cu. ft./day

Rock Pressure 928 lbs. After being shut in 20 Days

1st Gas or Oil 1982 - 2025 ft. Flow Show oil cu. ft. or bbls./day

2nd " " " " " " " " "

3rd " " " " " " " " "

4th " " " " " " " " "

5th " " " " " " " " "

6th " " " " " " " " "

Name of Gas or Oil Co. MOUNT PETROLEUM. CORP. Year 1954

Address 80 Richmond St W Toronto Co. Well No. 1

Location, County LAMBTON Tp. MARKHAM Con. V S. Lot 12 Pt. Lot W½

Driller Wm McKillop Address _____ Prop. Owner G. Manders #1

Date commenced _____ Date completed 26 July 54 Elev. 727±2 Acres 100

DRILLERS LOG (Formation)	Thickness	TOTAL
Surface	57	
Kettle Point	56	107
Hamilton	274	381
Dundee	93	474
Detroit River	476	950
Bass Island	106	1056
Salina	1057	2113
Salt 1268-83 1397-1408 1407-1549 1570-1766 1907-1965		
Guelph	87	2200

WATER RECORD

Kind	Depth	Ft. Rises
Fresh	49	36
Sulphur	533	197
Salt	2141	361

CASING RECORD

Length	Diam.	Weight

SKETCH OF LOCATION

330 S. 40' W of N

W. E. S.

Type Packer _____

Size _____

Set off Bottom _____ feet

Explosive used _____ No. qts. or lbs. _____

Placed between _____ and _____ ft. from surface

Initial Oil Yield _____ bbls./day. Initial Gas Yield _____ M. cu. ft./day

Rock Pressure _____ lbs. After being shut in _____ Days

1st Gas or Oil Dry ft. Flow _____ cu. ft. or bbls./day

2nd " " " _____ " " _____ " " " "

3rd " " " _____ " " _____ " " " "

4th " " " _____ " " _____ " " " "

5th " " " _____ " " _____ " " " "

6th " " " _____ " " _____ " " " "

Name of Gas or Oil Co. G.K. MASTERS — J T BURTON

Address 66 King W. Toronto

Location, County LAMBTON Tp. MARKHICK Con. I.S. Lot 14 Pt. Lot W 1/2

Driller McMaster Address Caledonia Prop. Owner B. Perry

Date commenced Date completed 30 Apr 54 Elev. 737+3 Acres 100

Year 1954

Co. Well No. 1

DRILLERS LOG (Formation)	Thickness	TOTAL
Dundas	54	
Huron	91	145
Hamilton	257	402
Norfolk	590	992
Bass Island	101	1093
Salina	1061	2154
Guelph	116	2270
Rochester	20	2290
Clinton	8	2298
Medina	117	2415
Queenston	289	2704
Meaford Dundas	345	3049
Collingwood	98	3147
Trenton	895	4042
Black Bank	20	4062
Granite	6	4068

WATER RECORD

Kind	Depth	Ft. Rises
Fresh		
Sulfur	515	200

CASING RECORD

Length	Diam.	Weight

SKETCH OF LOCATION

350' N 500' E

N. W. E. S.

Type Packer

Size

Set off Bottom feet

Explosive used No. qts. or lbs.

Placed between and ft. from surface

Initial Oil Yield bbls./day. Initial Gas Yield M. cu. ft./day

Rock Pressure lbs. After being shut in Days

1st Gas or Oil Traces in A1 sandy show in Trenton cu. ft. or bbls./day

2nd " " " " " " " " " " " "

3rd " " " " " " " " " " " "

4th " " " " " " " " " " " "

5th " " " " " " " " " " " "

6th " " " " " " " " " " " "

Wells in Warwick Township, Lambton County—Continued

Lot	Con.	Designation	Location	Year drilled	Altitude in feet above sea-level	Depth in feet	Bedrock formation	Producing depth in feet	Producing formation	Yield Mcf. or bbls.	Pressure in lbs. a sq. in.	Thickness of drift in feet	Remarks
30	2S	F. Westgate No. 2	790 ft. E. of W. line, 130 ft. N. of S. road	1939	790	474	Kettle Point	.....	.....	Dry	.....	88	Fresh water at 115 ft., rose 15 ft. Salt water at 468 ft., rose 400 ft.
19	2N	W. Newcombe, I. Lucas No. 1	890 ft. E. of W. road, 2,440 ft. S. of N. road	1937	790	542	.....	.....	.....	Dry	.....	84	Fresh water at 81 to 84 ft. Black water at 540 ft.
19	2N	B. Wilson	NE. Corner	1934	781	535	Hamilton	.....	.....	Dry	.....	84	
17	3N	B. Wilson	SW. Corner	1935	756	512	"	.....	.....	Dry	.....	56	Show of oil.
23	3N	B. Wilson	100 ft. N. of S. road, 900 ft. W. of E. line	1935	775	500	"	.....	.....	Dry	.....	67	
6	3S	Warwick Salt Company	200 ft. S. of N. road, 1,000 ft. E. of W. line	1935	700	1,320	.....	.....	.....	.....	.....	.....	Salt well.
24	3S	W. B. Schoolcraft, Racraft No. 1	1,950 ft. W. of E. road, 4,500 ft. N. of No. 22 highway	1939	788	510	Kettle Point	.....	.....	Dry	.....	85	Fresh water at 25 and 93 ft.
7	4S	Welch	2,900 ft. N. of S. road, 800 ft. E. of W. line	1927	703	703	"	.....	.....	.....	.....	.....	
19	4S	A. E. Beuhler, Bagg and Doyle No. 1	2,130 ft. N. of No. 22 highway 125 ft. E. of No. 22 highway	1939	780	544	"	.....	.....	Dry	.....	90	Fresh water at 75 ft., rose 60 ft. Black water at 530 ft., rose 150 ft.
19	4S	Bagg and Doyle No. 2	700 ft. N. of No. 22 highway 525 ft. E. of No. 22 highway	1939	779	475	"	.....	.....	Dry	.....	88	Fresh water at 110 ft., rose 90 ft.
20	4S	Thos. Westgate No. 1	.....	1938	789	418	.....	.....	.....	Dry	.....	86	Fresh water at 86 ft. Salt water and oil at 408 ft. Show of oil at 367 ft.
21	4S	Hussey and Dale, W. Wood No. 1	.....	1938	767	460	.....	.....	.....	.....	.....	90	Fresh water at 80 ft., rose 50 ft.

28	9	Lambton Oil and Gas Syndicate.	900 ft. N. of S. line..... 800 ft. E. of W. line	1932	672	350	"	.....	.....	Dry	.....	62	Fresh water at 64 ft. Small show of gas at 142, 170, and 300 ft.
33	9	.....	SW. Corner.....	.....	.....	.....	.....	.....	.....	Dry	.....	.....	
18	10	G. E. and D. E. Willits..... A. Shepherd No. 1.....	3,000 ft. S. of N. road..... 50 ft. W. of E. road	1937	680	472	"	.....	.....	Dry	.....	108	Fresh water at 40 ft. Salt water at 446 ft.
19	10	Vogel No. 2.....	100 ft. S. of N. line..... 2,000 ft. W. of E. line	1932	678	468	"	.....	.....	Dry	.....	98	Water at 420 ft.
25	10	G. E. Willits.....	NE. Corner.....	1929	692	406	"	.....	.....	Dry	.....	107	
26	10	Union Gas Co. of Canada, Ltd.	50 ft. N. of S. line..... 50 ft. W. of Centre line	1931	683	1,900	"	450	"	25 Mcf.	.....	70	Sulphur water at 310, 450, and 515 ft.
26	10	G. E. Willits.....	50 ft. N. of S. line..... 100 ft. E. of Centre line	1929	683	428	"	.....	.....	Dry	.....	79	
23	11	.....	500 ft. S. of N. line..... 1,300 ft. W. of E. line	.....	.....	.....	.....	.....	.....	Dry	.....	.....	

Wells in Warwick Township, Lambton County

18	IN	A. McKercher..... James Perry No. 1.....	80 ft. N. of No. 7 highway 1,400 ft. W. of E. road	1939	760	500	Kettle Point	.....	.....	Dry	.....	60	Fresh water at 55 ft., rose 25 ft.
2	1S	Canadian Dutch Oil Co.....	3,750 ft. S. of N. road..... 100 ft. E. of W. line	1923	719	595	"	560	Onondaga	.....	.....	.....	
6	1S	Canadian Dutch Oil Co.....	600 ft. S. of N. road..... 400 ft. E. of W. line	.....	728	538	"	.....	.....	Dry	.....	.....	
7	2S	Shillen.....	.....	1890	.....	440	"	.....	.....	.....	.....	.....	
8	2S	Shillen.....	900 ft. N. of S. road..... 100 ft. E. of W. line	.....	683	504	"	.....	.....	Dry	.....	.....	Show of oil.
10	2S	Wm. L. Forrest..... B. Law No. 2.....	4,000 ft. N. of S. road..... 700 ft. E. of W. road	1939	720	516	Hamilton	.....	.....	Dry	.....	37	Fresh water at 35 ft., rose 25 ft.
10	2S	Dolan Estate No. 1.....	3,500 ft. N. of S. road..... 200 ft. E. of W. road	1939	718	1,130	"	.....	.....	Dry	.....	48	Fresh water at 46 ft. Black water at 275 ft. Hole abandoned; plugged at 515 ft.
20	2S	Wynn.....	SE. Corner.....	.....	797	665	Kettle Point	.....	.....	Dry	.....	.....	
30	2S	Empire Gas and Oil Co., Ltd... F. Westgate No. 1.....	190 ft. E. of W. line..... 190 ft. N. of S. road	1939	792	508	"	.....	.....	Dry	.....	90	Fresh water at 120 ft., rose 100 ft. Salt water at 508 ft., rose 208 ft.

Wells in Warwick Township, Lambton County—Continued

Lot	Con.	Designation	Location	Year drilled	Altitude in feet above sea-level	Depth in feet	Bedrock formation	Producing depth in feet	Producing formation	Yield Mcf. or bbls.	Pressure in lbs. a sq. in.	Thickness of drift in feet	Remarks
27	4S	Bryson and Glabb..... Geo. Gordon No. 1	2,150 ft. N. of No. 22 highway 127 ft. W. of E. road	1939	799	450	Kettle Point	.....	Norfolk	.....	.....	126	Fresh water at 125 ft.; large supply. Salt water at 442 ft.; small supply. Oil at 442 ft.
27	4S	Busby and Ferguson..... R. Chambers No. 1.....	2,450 ft. N. of No. 22 highway 125 ft. W. of E. road	1938	799	527	Hamilton	440	"	30 bbls.	.....	124	Fresh water at 124 ft., rose 60 ft. Salt water and oil at 490 to 495 ft.
28	4S	John O'Neil No. 1.....	50 ft. N. of No. 22 highway 285 ft. E. of W. line	1938	811	528	"	.....	.....	Dry	.....	132	Fresh water at 120 ft. Salt water at 528 ft. Small supply of oil at 466 and 480 ft.
29	4S	H. Rose..... H. Rivers No. 1.....	100 ft. N. of No. 22 highway 2,300 ft. E. of W. road	1938	807	500	"	.....	.....	Dry	.....	125	Fresh water at 120 ft., rose 50 ft. Salt water at 500 ft., rose 100 ft.
17	5S	B. James and Co..... L. Buchner No. 1.....	2,250 ft. W. of E. road.... 500 ft. N. of C.N.R.	1939	770	503	"	.....	.....	Dry	.....	124	Fresh water at 75 ft., rose 55 ft.
17	5S	L. Buchner No. 2.....	1,375 ft. W. of E. road.... 900 ft. N. of C.N.R.	1939	775	500	Kettle Point	.....	.....	Dry	.....	97	Fresh water at 90 ft., rose 60 ft.
21	5S	W. N. Alley..... M. Kadey No. 1.....	2,100 ft. S. of No. 22 highway 7,100 ft. W. of E. road	1938	786	443	"	442	"	2 bbls.	.....	89	Fresh water at 88 ft.
21	5S	M. Kadey No. 2.....	1,850 ft. S. of No. 22 highway 7,150 ft. W. of E. road	1938	784	444	"	.....	"	.....	.....	117	Oil at 382, 439, and 444 ft.
21	5S	J. Perdue..... R. Chambers No. 1.....	1,800 ft. S. of No. 22 highway 6,850 ft. W. of E. road	1939	778	451	"	419	"	75 bbls.	.....	81	Fresh water at 80 ft., rose 40 ft. Small supply gas at 368 ft.
21	5S	J. A. Creed..... Mrs. Chambers No. 2.....	2,100 ft. S. of highway 22. 775 ft. W. of E. line	1940	.....	426	"	415	"	2 bbls.	.....	68	Fresh water at 68 ft. Show of oil at 392 ft.

22	4S	W. Newcombe	800 ft. N. of No. 22 highway	1939	779	451	"	445	Norfolk	5 bbls.	108	Salt water and oil at 410 ft. Small quantity of oil at 410 ft.
		A. Williamson No. 1	5,100 ft. W. of E. road									
22	4S	Von Berg	50 ft. N. of No. 22 highway	1938	778	448	"				90	Fresh water at 90 ft., rose 60 ft. Small quantity of oil at 385 and 420 ft.
		S. Henderson No. 1	4,700 ft. W. of E. road									
22	4S	Lenik-Leja	800 ft. N. of No. 22 highway	1939	779	490				Dry		90 Small show of oil at 420 ft.
		R. Ward No. 1	4,300 ft. W. of E. road									
23	4S	T. Draper	50 ft. N. of No. 22 highway	1938	785	509	Hamilton			Dry		98 Fresh water at 105 ft., rose 85 ft.
		W. Redman No. 1	3,250 ft. W. of E. road									
23	4S	A. E. Gibson	47 ft. N. of No. 22 highway	1938	784	480	"	425	"	25 bbls.		99 Fresh water at 85 ft., rose 60 ft.
		J. Westgate No. 1	2,700 ft. W. of E. road									
24	4S	F. Hambley	90 ft. N. of No. 22 highway	1938	786	516	"			Dry		95 Fresh water at 95 ft., rose 60 ft. Sulphur water and oil at 475 ft. Show of oil at 360 to 365 ft.
		Mrs. T. Westgate No. 1	1,875 ft. W. of E. road									
24	4S	W. B. Schoolcraft	100 ft. N. of No. 22 highway	1939	790	491	"			Dry		112 Fresh water at 100 ft., rose 80 ft. Black water at 481 ft., rose 200 ft. Show of oil at 427 to 432 ft.
		A. Cameron No. 1	375 ft. W. of E. road									
25	4S	F. R. MacIntosh	125 ft. E. of W. road	1938	794	503	"			Dry		120 Fresh water at 105 ft., rose 30 ft. Salt water at 430 ft., rose 39 ft. Salt water at 473 ft., rose 105 ft. Show of oil at 419 and 429 ft.
		A. S. Cameron No. 1	950 ft. N. of No. 22 highway									
26	4S	A. Treleaven	55 ft. N. of No. 22 highway	1938	804	506	"			Dry		120 Fresh water at 118 ft., rose 85 ft. Salt water at 491 ft., rose 150 ft.
		W. Morgan No. 1	2,875 ft. W. of E. road 875 ft. W. of E. line									
27	4S	H. Rose	60 ft. N. of No. 22 highway	1939	809	495	"			Dry		130 Fresh water at 128 ft. Salt water at 495 ft.
		G. Pike No. 1	1,060 ft. W. of E. road									

72996—10½

Wells in Warwick Township, Lambton County—Continued

Lot	Con.	Designation	Location	Year drilled	Altitude in feet above sea-level	Depth in feet	Bedrock formation	Producing depth in feet	Producing formation	Yield Mcf. or bbls.	Pressure in lbs. a sq. in.	Thickness of drift in feet	Remarks
24	5S	W. B. Schoolcraft..... E. Acheson No. 1.....	75 ft. N. of C.N.R..... 1,325 ft. W. of E. road	1939	804	451	Kettle Point	382	Hamilton	.....	.....	105	Producing oil well.
24	5S	E. Acheson No. 2.....	860 ft. E. of W. line..... 429 ft. N. of C.N.R.	1939	800	403	"	377	Norfolk	20 bbls.	.....	102	Fresh water at 112 ft., rose 50 ft. Black water at 310 ft., rose 100 ft.
24	5S	Thos. Westgate No. 1.....	75 ft. N. of C.N.R..... 865 ft. W. of E. road	1939	802	473	"	381	"	5 bbls.	.....	103	Fresh water at 103 ft., rose 63 ft.
24	5S	Thos. Westgate No. 2.....	75 ft. N. of C.N.R..... 370 ft. W. of E. road	1939	803	430	"	361 391	"	.....	.....	116	Oil at 361 to 365 and 391 to 394 ft. Producing oil well.
24	5S	Thos. Westgate No. 3.....	440 ft. N. of C.N.R..... 635 ft. W. of E. road	1939	802	450	"	393	"	.....	.....	100	Fresh water at 101 ft., rose 61 ft. Oil at 393 ft.
24	5S	Thos. Westgate No. 4.....	450 ft. N. of C.N.R..... 125 ft. W. of E. road	1939	801	465	"	.....	.....	Dry	.....	110	Fresh water at 122 ft.
24	5S	Thos. Westgate No. 5.....	825 ft. N. of C.N.R..... 375 ft. W. of E. road	1939	799	460	"	.....	.....	Dry	.....	105	Fresh water at 105 ft., rose 75 ft.
24	5S	Mrs. Atcheson No. 3.....	.....	1940	.....	465	"	.....	.....	.....	.....	106	Fresh water at 105 to to 112 ft. Salt water and oil at 380 ft. Salt water and oil at 462 ft.
25	5S	Wilson and Sullivan..... Misses Pike No. 1.....	75 ft. N. of C.N.R..... 1,125 ft. E. of W. road	1938	805	370	"	.....	.....	.....	.....	108	Fresh water at 105 ft., rose 50 ft. Oil at 370 ft.
25	5S	Misses Pike No. 2.....	74 ft. N. of C.N.R..... 1,555 ft. E. of W. road	1939	805	469	"	423	"	5 bbls.	.....	118	Fresh water at 130 ft., rose 105 ft.
25	5S	D. Durand..... Thos. Westgate Jr. No. 1....	50 ft. S. of C.N.R..... 125 ft. E. of W. road	1939	805	466	"	360	"	.....	.....	115	Fresh water at 130 ft. Salt water at 310 ft. Show of oil at 370 ft.

21	5S	Mrs. Chambers No. 3	2,900 ft. S. of highway 22.. 100 ft. E. of W. line	1940	769	440	"	.....	.....	Dry	.....	75	Fresh water at 95 ft., rose 75 ft.
21	5S	E. Chambers No. 4	1,800 ft. S. of highway 22.. 300 ft. W. of E. line	1940	776	420	"	.....	.....	Dry	.....	72	
22	5S	Hussey, McCluskey, and Berg.. T. Westgate Sr. No. 1	4,750 ft. W. of E. road.... 210 ft. N. of C.N.R.	1938	800	396	"	.....	.....	.....	.....	100	Fresh water at 100 ft., rose 70 ft. Oil at 387 ft.
22	5S	T. Westgate Sr. No. 2	4,850 ft. W. of E. road.... 500 ft. N. of C.N.R.	1939	799	445	Hamilton	372 445	Norfolk	.....	.....	105	Fresh water at 105 ft., rose 95 ft. Oil at 372 and 445 ft.
22	5S	Corey, Hussey, and Bullen..... Mrs. L. Chambers No. 1	45 ft. S. of N. road..... 400 ft. E. of W. road	1930	778	465	"	428	"	4 bbls.	.....	94	Fresh water at 100 ft.
22	5S	John Emery..... A. Chambers No. 1	500 ft. N. of C.N.R..... 5,200 ft. W. of E. road	1939	795	468	"	432	"	.....	.....	93	Fresh water at 93 ft., rose 50 ft. Gas at 410 ft. Small quantity of oil at 432 ft.
22	5S	A. Chambers No. 2	850 ft. N. of C.N.R..... 5,300 ft. W. of E. road	1939	789	463	Kettle Point	.....	.....	Dry	.....	92	Fresh water at 80 ft., rose 60 ft. Salt water at 443 ft., rose 130 ft. Shows of oil at 385, 443 ft.
22	5S	Hussey, McCluskey, and Berg.. T. Westgate Sr. No. 3	5,000 ft. W. of E. road..... 800 ft. N. of C.N.R.	1939	.....	425	Hamilton	420	Norfolk..	.....	.....	100	Water at 105 ft.
23	5S	H. H. Heinig..... John Westgate No. 1	100 ft. N. of C.N.R..... 3,700 ft. W. of E. road	1939	801	497	Kettle Point	.....	.....	Dry	.....	99	Salt water at 497 ft.
23	5S	D. Durand..... Thos. Westgate No.1	2,625 ft. W. of E. road.... 1,050 ft. N. of C.N.R.	1938	799	470	Hamilton	442	Norfolk	1 bbl.	.....	108	Fresh water at 100 ft., rose 70 ft. Salt water at 300 ft., rose 20 ft. Shows of oil at 367, 380, and 405 ft.
23	5S	Thos. Westgate No. 2	1,480 ft. N. of C.N.R..... 2,625 ft. W. of E. road	1938	795	480	"	404 434	"	8 bbls.	.....	113	Fresh water at 100 ft., rose 60 ft. Salt water at 305 ft., rose 30 ft.
23	5S	T. W. Cooper..... L. McLean No. 1	46 ft. N. of C.N.R..... 2,125 ft. W. of E. road....	1938	805	500	"	385 423 497	"	.....	.....	120	Fresh water at 107 ft., rose 37 ft.
23	5S	H. H. Heinig..... John Westgate No. 2	700 ft. N. of C.N R..... 3,900 ft. W. of E. road	1939	796	460	"	365	Hamilton	.....	.....	95	Fresh water at 100 ft., rose 85 ft. Small flow of oil at 365 ft.

Wells in Warwick Township, Lambton County—Continued

Lot	Con.	Designation	Location	Year drilled	Altitude in feet above sea-level	Depth in feet	Bedrock formation	Producing depth in feet	Producing formation	Yield Mcf. or bbls.	Pressure in lbs. a sq. in.	Thickness of drift in feet	Remarks
26	5S	A. A. Heal A. Morgan No. 2	2,250 ft. S. of N. road 2,100 ft. W. of E. road	1939	805	450	Hamilton	.....	.....	Dry	.....	120	Fresh water at 130 ft., rose 100 ft. Salt water at 423 ft., rose 40 ft.
26	5S	Wilson and Sullivan L. Eastabrook No. 7	575 ft. N. of C.N.R. 125 ft. E. of W. line	1939	.....	461	"	.....	.....	Dry	.....	118	Trace of oil at 423 ft.
26	5S	L. Eastabrook No. 8	1,600 ft. S. of highway 22. 241 ft. E. of W. line	1940	796	385	"	376	Norfolk	25 bbls.	.....	110	Fresh water at 108 ft., rose 20 ft.
27	5S	A. A. Heal S. Burchell No. 5	1,600 ft. S. of No. 22 highway 1,100 ft. W. of E. road	1939	810	394	"	383	"	30 bbls.	.....	121	Fresh water at 151 ft., rose 120 ft. Show of oil at 379 ft.
27	5S	J. Von Berg *et al* John O'Neil No. 1	2,250 ft. S. of No. 22 highway 400 ft. W. of E. road	1939	817	531	"	.....	.....	Dry	.....	129	Fresh water at 129 ft., rose 69 ft. Sulphur water at 498 ft Water and oil at 528 ft.
27	5S	John O'Neil No. 2	2,200 ft. S. of No. 22 highway 50 ft. W. of E. road	1939	815	500	"	.....	.....	Dry	.....	133	Fresh water at 131 ft., rose 80 ft. Salt water at 490 ft., rose 50 ft.
27	5S	Burchell and Heal S. Burchell No. 1	2,800 ft. S. of No. 22 highway 1,325 ft. W. of E. road	1938	808	376	"	375	"	100 bbls.	.....	122	Fresh water at 120 ft., rose 80 ft.
27	5S	S. Burchell No. 2	2,250 ft. S. of No. 22 highway 1,250 ft. W. of E. road	1938	807	382	"	374	"	35 bbls.	.....	122	Fresh water at 122 ft., rose 78 ft. Sulphur water at 320 ft.
27	5S	S. Burchell No. 3	3,400 ft. S. of No. 22 highway 1,830 ft. W. of E. road	1939	812	495	"	.....	.....	Dry	.....	126	Fresh water at 152 ft., rose 110 ft. Salty water at 478 ft., rose 150 ft.
27	5S	S. Burchell No. 4	2,750 ft. S. of No. 22 highway 1,850 ft. W. of E. road	1939	805	490	"	393 408 420 429	"	.....	.....	137	Salty water at 429 ft., rose 120 ft. 1 bbl. a day of oil after shooting between 396 and 410 ft.

25	5S	Wilson and Sullivan..... Thos Westgate Jr. No. 2.....	525 ft. N. of C.N.R..... 850 ft. E. of W. road	1939	801	469	"	.....	.....	Dry	.....	113	Fresh water at 112 ft., rose 100 ft. Salt water with oil at 424 ft.
25	5S	Thos. Westgate Jr. No. 3....	1,550 ft. S. of highway 22. 620 ft. E. of W. line	1940	.....	475	"	.....	.....	Dry	.....	108	Fresh water at 108 ft., rose 70 ft. Salt water at 470 ft.
26	5S	J. Von Berg..... L. Estabrook No. 6.....	350 ft. N. of C.N.R..... 2,675 ft. E. of W. road	1939	807	485	"	.....	.....	Dry	.....	124	Fresh water at 130 ft., rose 60 ft. Salt water with oil at 445 ft.
26	5S	Wilson and Sullivan..... A. Morgan No. 1.....	2,125 ft. W. of E. road..... 2,400 ft. S. of No. 22 highway	1939	804	450	"	422	"	13 bbls.	.....	118	Fresh water at 130 ft., rose 50 ft. Show of oil at 392 ft.
26	5S	L. Marley No. 1.....	2,600 ft. W. of E. road.... 50 ft. N. of C.N.R.	1938	809	458	"	.....	.....	Dry	.....	130	Fresh water at 122 ft., rose 40 ft. Shows of oil at 378 and 390 ft.
26	5S	T. Draper..... L. Marley No. 2.....	630 ft. N. of C.N.R..... 2,850 ft. W. of E. road	1939	804	452	"	.....	.....	Dry	.....	121	Fresh water at 125 ft., rose 95 ft. Fresh water at 150 ft., rose 120 ft.
26	5S	L. Marley No. 3.....	2,550 ft. W. of E. road.... 70 ft. N. of C.N.R.	1939	810	450	"	390	"	1 bbl.	.....	127	Fresh water at 120 ft., rose 80 ft. Show of oil at 380 ft.
26	5S	Von Berg..... L. Estabrook No. 1.....	74 ft. N. of C.N.R..... 3,350 ft. W. of E. road	1938	806	445	"	368 440	"	.....	.....	140	Fresh water at 100 ft., small supply.
26	5S	L. Estabrook No. 2.....	2,575 ft. S. of No. 22 highway 3,140 ft. W. of E. road	1938	803	442	"	364	"	10 bbls.	.....	135	Fresh water at 125 ft. Salty water at 190 ft.
26	5S	Wilson and Sullivan..... L. Estabrook No. 3.....	75 ft. N. of C.N.R..... 3,875 ft. W. of E. road	1938	806	469	"	371	"	20 bbls.	.....	119	Fresh water at 114 ft., rises 90 ft. 20 bbls. of oil during first hour.
26	5S	Von Berg..... L. Estabrook No. 4.....	3,050 ft. S. of No. 22 highway 3,380 ft. W. of E. road	1938	802	370	"	340 360	"	25 bbls.	.....	117	Fresh water at 22 ft.
26	5S	J. Von Berg..... L. Estabrook No. 5.....	600 ft. N. of C.N.R..... 3,200 ft. W. of E. road	1939	.....	480	"	.....	.....	Dry	.....	130	Fresh water at 130 ft., rose 60 ft. Salt water at 450 ft., small supply. Small quantity oil at 437 ft.

Wells in Warwick Township, Lambton County—Continued

Lot	Con.	Designation	Location	Year drilled	Altitude in feet above sea-level	Depth in feet	Bedrock formation	Producing depth in feet	Producing formation	Yield Mcf. or bbls.	Pressure in lbs. a sq. in.	Thickness of drift in feet	Remarks
30	5S	A. Brush No. 4	400 ft. W. of E. road..... 50 ft. N. of C.N.R.	1939	774	416	Hamilton	358 410	Norfolk	40 bbls.	.....	97	Fresh water at 40 ft., rose 20 ft. Fresh water at 115 ft., rose 90 ft.
30	5S	H. Ball No. 2	225 ft. N. of C.N.R..... 1,150 ft. W. of E. road	1939	772	471	"	.....	.....	Dry	.....	94	Fresh water at 32 ft., rose 12 ft. Fresh water at 80 ft., rose 72 ft. Salt water at 445 ft., rose 30 ft. Black water at 470 ft., rose 150 ft.
30	5S	Jack Perdue A. Brush No. 5	250 ft. W. of E. line..... 500 ft. N. of S. line	1940	783	443	"	356 363	"	32 bbls.	.....	110	Fresh water at 60 ft., rose 20 ft. Fresh water at 170 ft., rose 20 ft.
30	5S	A. Brush No. 6	400 ft. N. of S. line..... 250 ft. W. of E. line	1940	781	475	"	.....	.....	Dry	.....	105	Fresh water at 65 ft., rose 20 ft. Black water at 470 ft., rose 45 ft. Show of oil at 397 ft.
2	6	Demaray and Carruthers	3,700 ft. N. of S. road.... 1,150 ft. E. of W. line	1933	693	540	Kettle Point	52	Kettle Point	Dry	.....	51	Show of gas. Fresh water at 52 ft. Sulphur water at 525 ft. Show of gas at 52 ft.
10	6S	MacIntosh and Cole R. A. Hume No. 1	250 ft. N. of S. road..... 3,650 ft. E. of W. road	1939	756	492	"	.....	.....	Dry	.....	70	Fresh water at 71 ft. Salty water at 423 ft., rose 125 ft.
10	6S	A. D. Snyder R. A. Hume No. 2	200 ft. N. of S. road..... 3,150 ft. E. of W. road	1939	747	488	"	.....	.....	Dry	.....	68	Fresh water at 68 ft., rose 48 ft. Fresh water at 94 ft., rose 74 ft.
19	6S	A. E. McKercher F. W. Short No. 1	1,750 ft. E. of W. road.... 1,100 ft. S. of C.N.R.	1939	788	487	"	.....	.....	Dry	.....	106	Fresh water at 101 ft., rose 50 ft.

27	5S	S. Burchell No. 6	750 ft. W. of E. road 1,625 ft. S. of No. 22 highway	1939	810	449	"	435	"			131	Show of gas at 386 and 410 ft. Fresh water at 135 ft.
27	5S	A. A. Heal S. Burchell No. 8	3,440 ft. S. of N. line 825 ft. E. of W. line	1940	804	470	"			Dry		133	Fresh water at 131 ft., rose 60 ft. Salt water at 460 ft., rose 400 ft.
27	5S	S. Burchell No. 9	125 ft. E. of W. line 1,600 ft. S. of N. line	1940	809	440	"	425	"	2 bbls.		127	Fresh water at 120 ft., rose 80 ft.
27	5S	S. Burchell No. 7	690 ft. S. of N. line 1,025 ft. E. of W. line	1940	810	470	"			Dry		135	Fresh water at 122 ft., rose 35 ft. Salt water at 439 ft., rose 380 ft. Little oil at 439 ft.
28	5S	J. W. G. Winnett A. Westgate No. 1		1938	807	486	"	435	"	10 bbls.		124	Fresh water at 124 ft., rose 75 ft.
28	5S	E. Shaw and C. Smith E. Shaw No. 1	150 ft. E. of W. road 1,750 ft. S. of No. 22 highway	1938	808	470	"					123	Fresh water at 30 ft., rose 20 ft. Fresh water at 70 ft. Fresh water at 118 ft., rose 63 ft.
28	5S	E. Shaw No. 2	150 ft. E. of W. road 1,000 ft. N. of C.N.R.	1939	822	490	"			Dry		143	Fresh water at 40 ft., rose 20 ft. Fresh water at 80 ft., rose 55 ft. Fresh water at 128 ft., rose 65 ft.
28	5S	J. W. G. Winnett	100 ft. N. of C.N.R.	1938	791	458	"	355	"	5 to 10 bbls.		104	Fresh water at 108 ft.
		A. Westgate No. 2	1,400 ft. E. of W. road					425					Salt water at 458 ft.
30	5S	D. Banks H. Ball No. 1	1,000 ft. W. of E. road 80 ft. N. of C.N.R.	1939	784	470	"			Dry		105	Black water at 470 ft.
30	5S	D. Brush No. 1	2,100 ft. S. of No. 22 highway 500 ft. W. of E. road	1938	786	510	"			Dry		109	Fresh water at 90 ft., rose 20 ft. Salt water at 443 ft., rose 200 ft.
30	5S	A. Brush No. 2	2,000 ft. S. of No. 22 highway 500 ft. W. of E. road	1939	785	604	"			Dry		108	Fresh water at 80 ft. Salt water at 452 ft.
30	5S	A. Brush No. 3	50 ft. W. of E. road 150 ft. N. of C.N.R.	1939	772	402	"	360 400	"	100 bbls.		99	Fresh water at 25 ft., rose 23 ft. Fresh water at 160 ft., rose 158 ft.

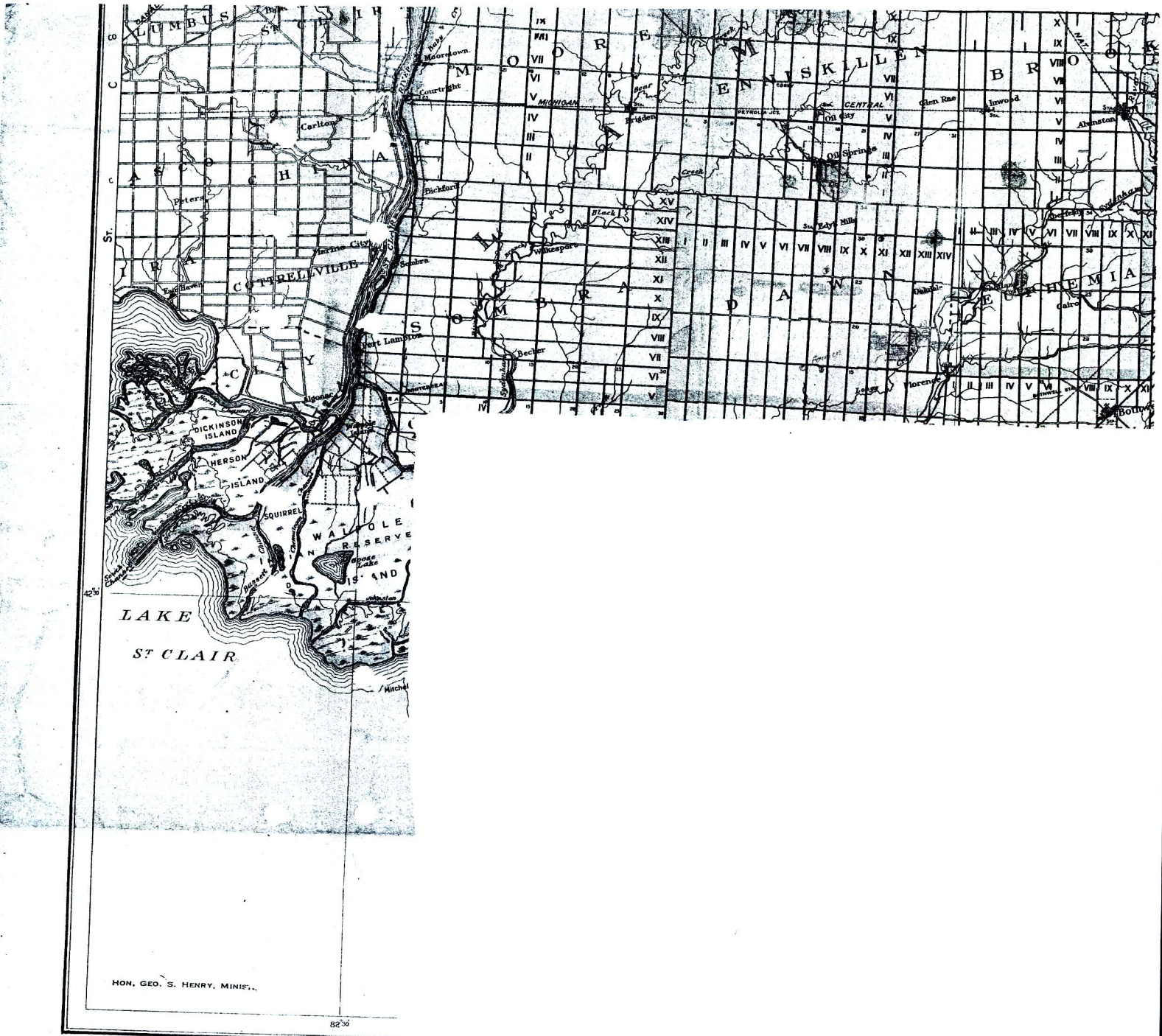
Wells in Warwick Township, Lambton County—Concluded

Lot	Con.	Designation	Location	Year drilled	Altitude in feet above sea-level	Depth in feet	Bedrock formation	Producing depth in feet	Producing formation	Yield Mcf. or bbls.	Pressure in lbs. a sq. in.	Thickness of drift in feet	Remarks
29	6S	McGill and Dykes..... A. Cran Estate.....	2,950 ft. S. of C.N.R..... 3,900 ft. E. of W. road	1939	767	408	Hamilton	332 395	Norfolk	Dry	.....	86	Fresh water at 30 ft. rose 30 ft. Salt water at 395 ft., rose 200 ft.
29	6S	Beattie Bros..... Gordon Cran No. 1.....	2,100 ft. E. of W. road.... 2,850 ft. S. of C.N.R.	1939	766	336	"	323	"	25 bbls.	.....	80	Fresh water at 76 to 80 ft., flowing.
29	6S	Lett and Wood..... Geo. A. Westgate No. 2.....	336 ft. E. of W. line..... 66 ft. N. of S. line	1940	777	425	"	.....	.....	.....	.....	80	Shows of oil at 149, 342, and 388 ft.
30	6S	F. A. Stonehouse..... H. O. Watson No. 1.....	300 ft. S. of N. line..... 100 ft. W. of E. line	1940	765	386	"	329	"	.....	.....	105	15 bbls. of oil for 4 days. Fresh water at 27 ft., rose to surface. Fresh water at 105 to 108 ft. Salt water at 384 ft., rose 300 ft.
18	7	H. B. Smith.....	NW. Corner.....	1927	771	501	Kettle Point	225 500	Hamilton Norfolk	55 Mcf. 25 Mcf.	50	105	Black water at 488 ft.

Wells in Adelaide Township, Middlesex County

12	1S	Adelaide Oil Co..... Howard Brock.....	50 ft. S. of N. road..... 1,000 ft. E. of W. line	.....	787	327	Hamilton	.....	.....	Dry	.....	.....	
14	1S	Union Gas Co.....	NE. Corner.....	.....	787	.....	.....	.....	.....	Dry	.....	.....	
14	1S	.....	1,000 ft. S. of N. road..... 500 ft. W. of E. line	.....	791	378	"	.....	.....	Dry	.....	.....	
14	1S	Hunter and Speirs..... C. Branton No. 1.....	1,440 ft. S. of N. line..... 543 ft. E. of W. line	1940	788	413	"	.....	.....	Dry	.....	147	Fresh water at 227 to 241 ft.
14	1N	Kidd and Adams..... G. B. Glenn No. 2.....	2,550 ft. W. of E. road.... 4,430 ft. N. of S. road	1939	780	387	"	.....	.....	Dry	.....	218	Fresh water at 170 ft., rose 100 ft. Salt water at 368 ft.

20	6S	F. Woodward..... R. A. Hume No. 3	.....	1939	.....	475	"	.....	.....	Dry	.....	73	Show of oil at 393, 408, and 430 ft. Fresh water at 73 ft. Sulphur water at 80 ft.
22	6S	Pitcher, Sober, and Jackson.... Newell No. 1.....	1,625 ft. N. of S. road..... 1,050 ft. E. of W. road	1939	796	492	Hamilton	.....	.....	Dry	.....	110	Fresh water at 118 ft., rose 50 ft. Black water at 487 ft., rose 208 ft.
24	6S	B. Wilson..... A. G. Brown No. 1.....	125 ft. W. of E. road.... 750 ft. S. of C.N.R.	1938	806	477	"	380	Norfolk	3 bbls.	.....	123	Fresh water at 101 ft., rose 40 ft.
24	6S	Leo Wilson..... Brown No. 2.....	940 ft. S. of N. line..... 865 ft. W. of E. line	1940	815	491	"	456	"	5 bbls.	.....	127	Fresh water at 127 ft., rose 100 ft.
25	6S	Wilson and Sullivan..... Ed. Davidson No. 1.....	1,125 ft. E. of W. road.... 1,150 ft. S. of C.N.R.	1939	813	450	"	382	"	10 bbls.	.....	128	Fresh water at 135 ft., rose 100 ft.
25	6S	Ed. Davidson No. 2.....	1,130 ft. E. of W. road.... 1,650 ft. S. of C.N.R.	1939	813	491	"	390	"	1 bbl.	.....	130	Fresh water at 122 ft., rose 100 ft. Salt water at 310 ft., rose 60 ft.
25	6S	Clayton Davidson No. 1.....	1,625 ft. E. of W. road..... 750 ft. S. of C.N.R.	1939	812	490	"	.....	.....	Dry	.....	126	Fresh water at 11, 50, 120, 140 ft. Black water at 489 ft., Show of oil at 393 ft.
25	6S	F. E. McAfee..... A. G. Brown No. 2.....	125 ft. S. of N. line..... 100 ft. E. of W. line	1940	805	462	"	425	"	5 bbls.	.....	117	Fresh water at 115 ft., rose 100 ft. Salt water at 310 ft.
26	6S	D. Durand..... E. Davidson No. 1.....	2,200 ft. W. of E. road.... 675 ft. S. of C.N.R.	1938	805	484	"	.....	.....	Dry	.....	130	Fresh water at 122 ft., rose 100 ft. Salt water at 475 ft., rose 150 ft.
26	6S	F. E. McAfee..... G. Cran No. 1.....	2,620 ft. E. of W. road.... 1,175 ft. S. of C.N.R.	1939	809	480	"	.....	.....	Dry	.....	126	
26	6S	G. Cran No. 2.....	.....	1939	.....	452	"	395 405 445	"	.....	.....	129	Producing oil well. Fresh water at 129 ft.
28	6S	Beattie Bros..... Thos. Woods No. 1.....	1,120 ft. E. of W. road.... 2,900 ft. S. of C.N.R.	1939	766	427	"	.....	.....	Dry	.....	85	Fresh water at 82 ft., rose 50 ft. Small show of oil at 328 to 331 ft.
28	6S	C. Demaray..... L. Foster No. 1.....	60 ft. E. of W. road.... 600 ft. S. of C.N.R.	1939	798	452	"	.....	.....	Dry	.....	112	Salt water at 420 ft. Show of oil at 343 and 420 ft.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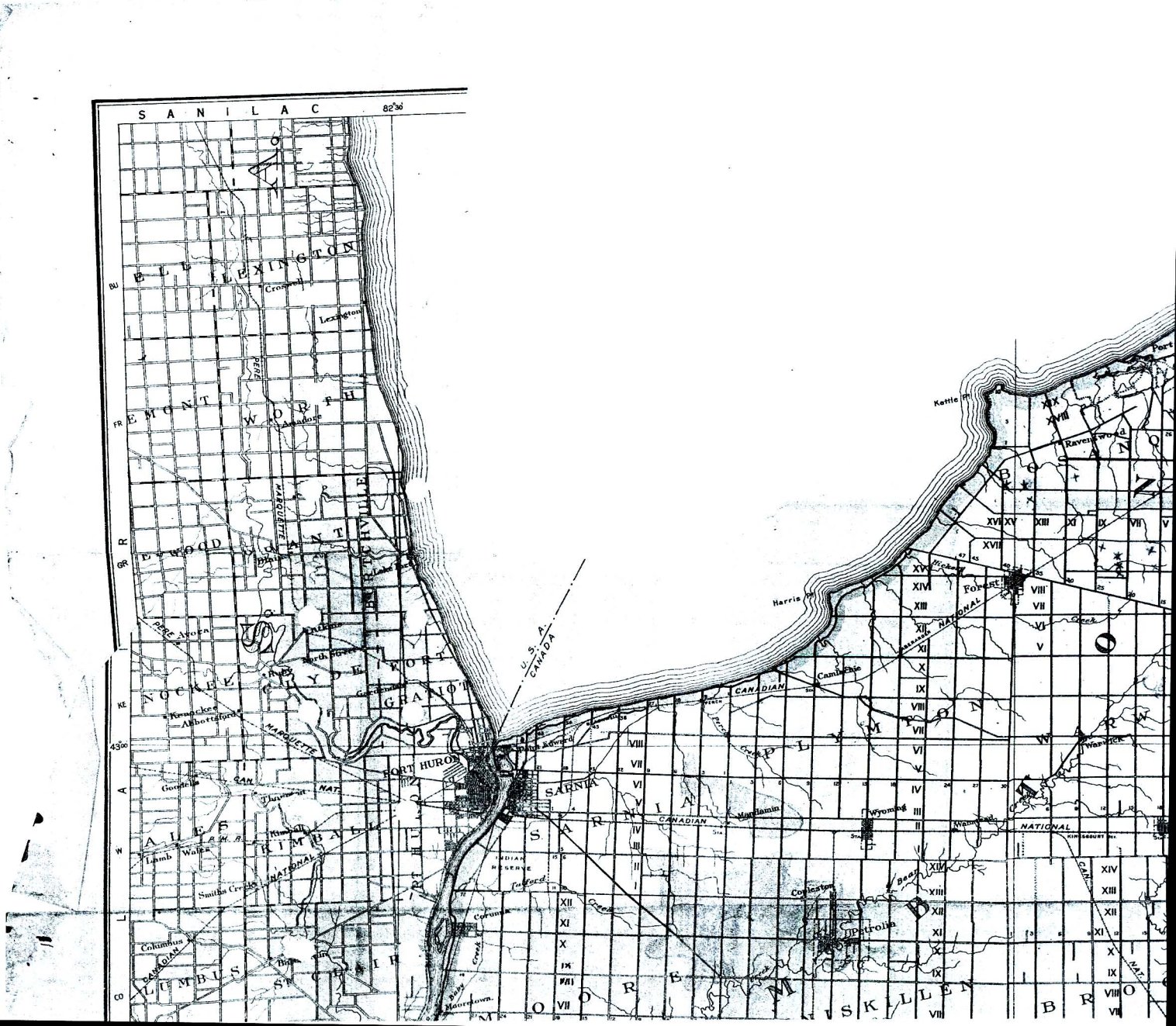
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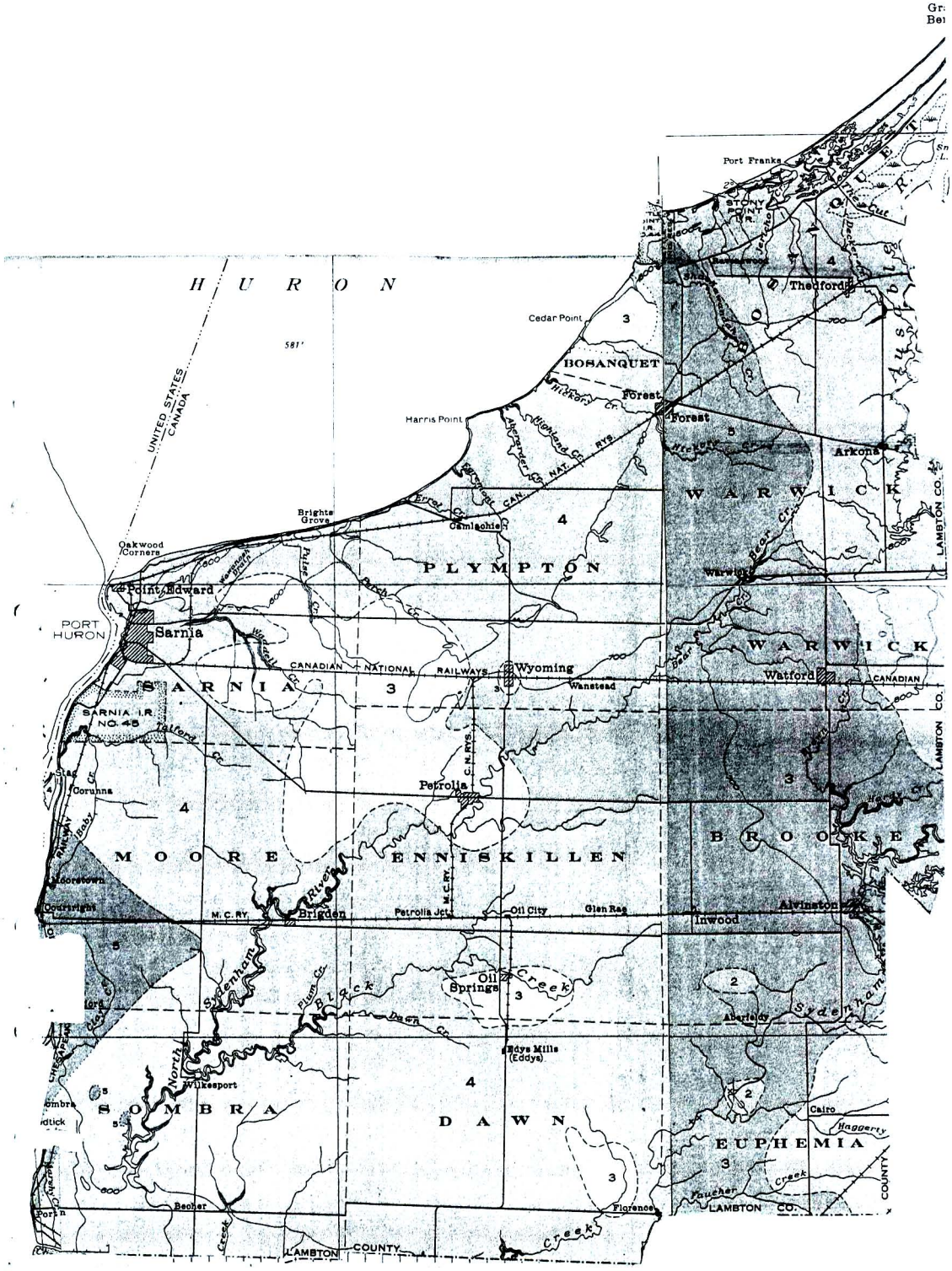
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Camlachie
Oakwood Corners
PLYMPTON
Warwick
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Courtright
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Glen Rae
Inwood
Alvinston
Oil Springs
Black Creek
Sydenham River
North Sydenham
Edys Mills (Eddys)
Aberfeldy
Wilkesport
SOMBRA
DAWN
EUPHEMIA
Cairo
Haggerty
Fauchet Creek
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Florence
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