

**Texas Water Development Board
Well Schedule**

State Well Number 6064407 Previous Well Number County Harris 201

River Basin 10 Zone 1 Latitude 30 03 21 Longitude 095 06 02 Coordinates Accuracy 0

Owner's well No. 2 Location: 1/4, 1/4, Section Block Survey

Owner City of Houston Well #2 Plantation Hills Driller Layne-Texas

Address of well 27235 Huffman-Cleveland Rd. Tenant/Oper.

Date Drilled 01/01/1998 Depth 1014 Source of Depth Altitude 46 Source of Alt. Data

Aquifer 121 EUGL Aquifer ID 15 Well Type User

Well Construction
Const Method Mod Rotary Casing Material Steel
Completion Method Gravel/Screen Screen Material Stainless

Lift Data
Pump Mir. Type of Lift Turb Pump Depth Setting (ft) 310 ft.
Motor Mfg Power ELC H.P.

Yield
Flow Rate Pump Rate GPM Meas Rept Est Date of Test

Performance Test
Length of test 36 hr Production Rate 1022 GPM Meas Rept Est Date of Test 7/29/98

Static Level 41 ft. Pumping Level 194 ft. Amount of Drawdown 53 ft. Specific Capacity 19.3 GPM/ft.

Water Use
Primary Secondary Tertiary

Water Quality (Remarks:)

Other Data Available
Water Level Water Quality Logs Other Data

✓ Date 01/31/2001 Meas. 12375 Turb Remarks M.P.

✓ Date 05/01/2001 Meas. 12100 Air Remarks M.P.

Date Meas. Remarks

Recorded by DR Jones Date Record Collected or Information Updated Reporting Agency 02

	Casing or Blank Pipe (C)		Well Screen or Slotted Zone (S)	
	Diam. (in.)	Interval of C.S. or O. From	To	
1	018	0	724	
2	012	664	734	
3	012	734	746	
4	012	746	786	
5	012	786	796	
6	012	796	808	
7	012	808	852	
8	012	852	886	
9	012	886	913	
10	012	913	922	
11	012	922	938	
12	012	938	956	
13	012	956	972	
14	012	972	986	
15	012	986	994	
16	012	994	1014	
17				
18				

Remarks
1 Owners well #2. Observation well.
2 Measured yield 1022 GPM with 53
3 feet drawdown after pumping 36
4 hours in 1998. Specific capacity
5 Pumping level 194 feet. Cemented
6 from 0 to 724 feet. Underreamed and

Aquifer
60-64-407
Well Number

2790 Gravel packed from 724 to 1014 feet.

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30° 5' 31" N 30° 5' 31" N
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60.64.406
 &
 60.64.407

ATTENTION OWNER: Confidentiality
Privilege Notice on reverse side
of Well Owner's copy (pink)

State of Texas WELL REPORT

Texas Department of Licensing &
Regulation
P.O. Box 12157
Austin, TX 78711
512-463-7880

1) OWNER City of Houston ADDRESS 1801 Main Street Houston TX 77092
(Name) (Street or RFD) (City) (State) (Zip)

2) ADDRESS OF WELL'S LOCATION: Long. _____ Lat. _____
County Harris 27225 Huffman-Cleveland Road Houston TX 77345 GRID # 60-64-4
(Street, RFD or other) (City) (State) (Zip)

3) TYPE OF WORK (Check):
 New Well Deepening
 Reconditioning Plugging

4) PROPOSED USE (Check): Monitor Environmental Soil Boring Domestic
 Industrial Irrigation Injection Public Supply De-watering Testwell
If Public Supply well, were plans submitted to the TNRCC? Yes No

5) _____

6) WELL LOG:
Date Drilling: _____
Started 04/01 19 98
Completed 05/01 19 99

DIAMETER OF HOLE			
Dia. (in.)	From (ft.)	To (ft.)	
36"	Surface	35	
24"	0	724	
30"	724	1014	

7) DRILLING METHOD (Check): Driven
 Air Rotary Mud Rotary Bored
 Air Hammer Cable Tool Jetted
 Other _____

8) Borehole Completion (Check): Open Hole Straight Wall
 Underreamed Gravel Packed Other _____
If Gravel Packed give interval from 724 ft. to 1014 ft.

See Attached Log

CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial	Setting (ft.)		Gage Casting Screen
			From	To	
		See Attached Material Setting			

9) CEMENTING DATA
Cemented from 0 ft. to 35 ft. No. of sacks used 80
0 ft. to 724 ft. No. of sacks used 632

13) Well plugged within 48 hours

Casing left in well:		Cement/bentonite placed in well:		Sacks used:
From (ft)	To (ft)	From (ft)	To (ft)	

Method used Halliburton
Cemented by Halliburton
Distance to septic system field lines or other concentrated contamination _____ ft.
Method of verification of above distance _____

14) TYPE PUMP:
 Turbine Jet Submersible Cylinder
 Other: _____
Depth to pump bowls, cylinder, jet, etc., 310 ft.

15) WELL TESTS:
Type test: Pump Bailor Jetted Estimated
Yield: 1022 gpm with 52.50 ft. drawdown after 36 hrs

16) WATER QUALITY:
Did you knowingly penetrate any strata which contained undesirable constituents?
 Yes No If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? _____ Depth of strata _____
Was chemical analysis made? Yes No

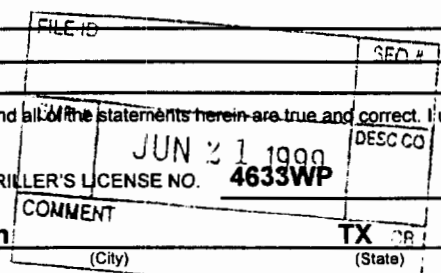
11) WATER LEVEL
Static level 141 ft. below land surface Date 07/29/98
Artesian Flow _____ gpm. Date _____

12) PACKERS: Type _____ Depth _____
N/A

I certify that I drilled this well (or the well was drilled under my direct supervision) and that each and all of the statements herein are true and correct. I understand that failure to complete items 1 thru 16 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME Layne-Texas (Type or Print)
ADDRESS 5937 Britmore Road Houston TX 77041
(Street or RFD) (City) (State) (Zip)

(Signed) [Signature] (Licensed Well Driller) (Signed) _____ (Registered Driller Trainee)



Please attach electric log, chemical analysis, and other pertinent information, if available. 60-64-407

DRILLERS LOG OF TEST HOLE

LAYNE-TEXAS, a division of Layne Christensen Company

WATER SUPPLY SERVICES SINCE 1924

TEST DRILLING · WATER WELLS · PUMPS

Contract Name: Plantation Hills Subdivision - Remote Site Water Well
 Job No. 37-7320 Date: May 1, 1998
 City: Houston State: Texas

TEST HOLE
1
 Driller: Jimmy Yow

Location of Test Hole

FROM	TO	DESCRIPTION OF STRATA
0	55	CLAY
55	202	SAND AND CLAY STREAKS
202	345	SAND
345	390	SAND AND HARD STREAKS
390	495	SAND AND CLAY STREAKS
495	512	CLAY
512	523	SAND
523	543	CLAY
543	553	SAND AND CLAY STREAKS
553	599	CLAY
599	650	SAND
650	688	SHALE
688	747	SAND WITH HARD STREAKS
747	770	SHALE
770	860	SAND WITH HARD STREAKS
860	890	SHALE
890	940	SAND WITH HARD STREAKS
940	950	SHALE
950	971	SAND WITH HARD STREAKS
971	983	SHALE
983	1030	SAND WITH HARD STREAKS
1030	1040	SAND
1040	1048	SHALE
1048	1065	SAND WITH HARD STREAKS
1065	1076	SHALE WITH SAND STREAKS
1076	1090	SHALE
1090	1158	SAND WITH HARD STREAKS
1058	1200	SHALE WITH SANDY STREAKS

FILE ID	SEQ #
EMP #	DESC CD
JUN 21 1999	
COMMENT	CB

REMARKS: PAGE 1 of 1

60 64 407



Layne-Texas
a division of Layne Christensen Company
 Houston & Tyler

Job No.: 37-7320
 Page 1 of 1
 File No.: _____
 Date: 06-11-99

MATERIAL SETTING

CUSTOMER LOCATION	WELL DATA
For City of Houston - Plantation Hills Subdivision	Well Name _____ Remote Site _____ Well No. 2
Well Location Off-Site Water Well Houston, Texas	Elevation N/A Datum Ground Level _____
County Harris State Texas	Well Type Gravel Pack
Other Land Marks _____	Surface Casing Cemented Yes No. Sacks 632
	Size Hole Underreamed 26" Depth 1,014
	Gravel Type 20/40 No. Cu. Yds. 92
	Static Water Level 141.9
	Type Screen 304 S.S. W.O.P. Gage 0.200"
	Driller Jimmy Yow Rig No. Spencer Harris
	Other _____

Depth	Length	Size, Kind, Weight Material	Sketch
+2' - 724'	726'	18" O.D. casing, 0.500" wall	<p style="text-align: right;">LAND SURFACE</p> <p style="text-align: right;">17"</p> <p style="text-align: right;">24" borehole</p> <p style="text-align: right;">18" O.D. steel surface casing</p> <p style="text-align: right;">Class A cement with 8% bentonite gel</p> <p style="text-align: right;">664' top of lap pipe</p> <p style="text-align: right;">724' bottom of surface casing</p> <p style="text-align: right;">20/40 gravel pack</p> <p style="text-align: right;">1014' TD</p>
664' - 734'	70'	12-3/4" O.D. blank liner, 0.375" wall	
734' - 746'	12'	12" pipe base screen, 304 stainless steel screen wrapped on 12-3/4" O.D., 0.375" wall pipe	
746' - 786'	40'	12-3/4" O.D. blank liner, 0.375" wall	
786' - 796'	10'	12" pipe base screen, 304 stainless steel screen wrapped on 12-3/4" O.D., 0.375" wall pipe	
796' - 808'	12'	12-3/4" O.D. blank liner, 0.375" wall	
808' - 852'	44'	12" pipe base screen, 304 stainless steel screen wrapped on 12-3/4" O.D., 0.375" wall pipe	
852' - 886'	34'	12-3/4" O.D. blank liner, 0.375" wall	
886' - 913'	27'	12" pipe base screen, 304 stainless steel screen wrapped on 12-3/4" O.D., 0.375" wall pipe	
913' - 922'	9'	12-3/4" O.D. blank liner, 0.375" wall	
922' - 938'	16'	12" pipe base screen, 304 stainless steel screen wrapped on 12-3/4" O.D., 0.375" wall pipe	
938' - 956'	18'	12-3/4" O.D. blank liner, 0.375" wall	
956' - 972'	16'	12" pipe base screen, 304 stainless steel screen wrapped on 12-3/4" O.D., 0.375" wall pipe	
972' - 980'	8'	12-3/4" O.D. blank liner, 0.375" wall	
980' - 994'	14'	12" pipe base screen, 304 stainless steel screen wrapped on 12-3/4" O.D., 0.375" wall pipe	
994' - 1014'	20'	12-3/4" O.D. blank liner, 0.375" wall and back pressure valve	

(60-64-40)