

1 LOCATION OF WATER WELL County: KEARNY		Fraction Near Center of 1/4 1/4 SW 1/4		Section Number 11	Township Number T 26 S	Range Number R 35 E (W)	
Distance and direction from nearest town or city? Approx 11 3/4 mi S & 1/2 E of Deerfield, KS				Street address of well if located within city?			
2 WATER WELL OWNER: Hitch Family Farms RR#, St. Address, Box #: Box 1054 City, State, ZIP Code: Garden City, Kansas 67846				Board of Agriculture, Division of Water Resources Application Number: 33,599			
3 DEPTH OF COMPLETED WELL: 490 ft. Bore Hole Diameter: 24 in. to 490 ft. and in. to ft.							
Well Water to be used as: 1 Domestic 3 Feedlot 5 Public water supply 8 Air conditioning 11 Injection well 2 Irrigation 4 Industrial 6 Oil field water supply 9 Dewatering 12 Other (Specify below) 7 Lawn and garden only 10 Observation well							
Well's static water level: 135 ft. below land surface measured on AUGUST month 2 day 1980 year							
Pump Test Data: Well water was 207 ft. after 4 hours pumping 1280 gpm Est. Yield 1700 gpm: Well water was ft. after hours pumping gpm							
4 TYPE OF BLANK CASING USED: 1 Steel 3 RMP (SR) 5 Wrought iron 8 Concrete tile Casing Joints: Glued Clamped 2 PVC 4 ABS 6 Asbestos-Cement 9 Other (specify below) Welded X 7 Fiberglass Threaded							
Blank casing dia 16 in. to 490 ft. Dia in. to ft. Dia in. to ft. Casing height above land surface: 12 in. weight 36.91 lbs./ft. Wall thickness or gauge No. 219							
TYPE OF SCREEN OR PERFORATION MATERIAL: 1 Steel 3 Stainless steel 5 Fiberglass 8 RMP (SR) 10 Asbestos-cement 2 Brass 4 Galvanized steel 6 Concrete tile 9 ABS 11 Other (specify) 12 None used (open hole)							
Screen or Perforation Openings Are: 1 Continuous slot 3 Mill slot 5 Gauzed wrapped 8 Saw cut 11 None (open hole) 2 Louvered shutter 4 Key punched 6 Wire wrapped 9 Drilled holes 7 Torch cut 10 Other (specify)							
Screen-Perforation Dia 16 in. to 485 ft. Dia in. to ft. Dia in. to ft.							
Screen-Perforated Intervals: From 220 ft. to 270 ft., From 295 ft. to 315 ft. From 340 ft. to 360 ft., From 395 ft. to 485 ft.							
Gravel Pack Intervals: From 10 ft. to 485 ft., From ft. to ft.							
5 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other							
Grouted Intervals: From 0 ft. to 10 ft., From ft. to ft., From ft. to ft.							
What is the nearest source of possible contamination: None Observed 1 Septic tank 4 Cess pool 7 Sewage lagoon 10 Fuel storage 14 Abandoned water well 2 Sewer lines 5 Seepage pit 8 Feed yard 11 Fertilizer storage 15 Oil well/Gas well 3 Lateral lines 6 Pit privy 9 Livestock pens 12 Insecticide storage 16 Other (specify below) 13 Watertight sewer lines							
Direction from well: How many feet ? Water Well Disinfected? Yes No X							
Was a chemical/bacteriological sample submitted to Department? Yes No X If yes, date sample was submitted month day year Pump Installed? Yes X No							
If Yes: Pump Manufacturer's name Johnston Model No. 12CC HP 125 Volts							
Depth of Pump Intake 285 ft. Pumps Capacity rated at 900 gal./min.							
Type of pump: 1 Submersible 2 Turbine 3 Jet 4 Centrifugal 5 Reciprocating 6 Other							
6 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on JULY month 30 day 1980 year							
and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 145							
This Water Well Record was completed on AUGUST month 20 day 1980 year under the business name of Henkle Drilling & Supply Co., Inc. by (signature) <i>Bruce J. Richmuth</i>							
7 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:		FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
		See Attached Log					
ELEVATION:							
Depth(s) Groundwater Encountered 1. ft. 2. ft. 3. ft. 4. ft.						(Use a second sheet if needed)	

OFFICE USE ONLY

T

R

EW

SEC.

1/4

1/4

1/4

1/4

INSTRUCTIONS: Use typewriter or ball point pen, please press firmly and PRINT clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Division of Environment, Water Well Contractors, Topeka, KS 66620. Send one to WATER WELL OWNER and retain one for your records.

DRILLERS TEST LOG

CUSTOMER NAME HITCH FAMILY FARMS DATE 5-7-80
STREET ADDRESS Box 1054 TEST # 1
CITY & STATE GARDEN CITY, KS. 67846 DRILLER Tim Mai
COUNTY Leavenworth QUARTER SW SECTION 11 TOWNSHIP 26 RANGE 35
LOCATION 30' N. of pivot

#	DRILLED FROM	PAY	FOOTAGE TO	DESCRIPTION OF STRATA	STATIC WATER LEVEL
					PROPOSED WELL DEPTH
	0		47	SURFACE SAND	
	47		53	BROWN CLAY	
	53		120	SAND FINE TO MED. COARSE SMALL TO LARGE GRAVEL FEW CLAY STKS. & CALICHE LEDGES	
	120		136	SAND FINE TO MED. COARSE SMALL & FEW MED. GRAVEL FEW SMALL CLAY STKS.	
	136		144	YELLOW & GREY CLAY	
	144		154	SAND FINE TO MED. COARSE SMALL GRAVEL	
	154		163	BROWN & GREY CLAY	
50	163	16	179	SAND FINE TO MED. COARSE SMALL GRAVEL	
	179		186	BROWN & GREY CLAY CEMENTED LEDGES & SAND STKS.	
55	186	09	195	SAND FINE TO MED. COARSE SMALL TO MED. GRAVEL LOOSE	
	195		208	GREY & BLUE CLAY FEW BLUE SAND STKS.	
	208		219	BROWN CLAY & LIMEROCK	
70	219	07	226	SAND FINE TO MED. COARSE SMALL TO MED. GRAVEL & FEW LARGE LOOSE USES LITTLE WATER FEW WHITE ROCK	
20	226	10	236	BROWN CLAY & SAND FINE TO MED. COARSE	
50	236	27	263	SAND FINE TO MED. COARSE SMALL & FEW MED. GRAVEL FIRM	
40	263	10	273	SAND FINE TO MED. COARSE SMALL GRAVEL & BROWN SANDY CLAY VERY FEW CEMENTED LEDGES	
	273		292	BROWN CLAY & LIMEROCK FEW SAND STKS. & GRAVEL STRINGERS	
55	292	21	313	SAND FINE TO MED. COARSE SMALL & FEW MED. GRAVEL FEW WHITE ROCK LEDGES & VERY FEW CLAY STKS. USES LITTLE WATER	
	313		320	BROWN SANDY CLAY LIMEROCK STICKY IN PLACES	
	320		337	BROWN CLAY LIMEROCK & LIMEROCK LEDGES	
30	337	08	345	SAND FINE & BROWN CLAY LOOSE	
45	345	08	353	SAND FINE & SMALL	
20	353	27	380	BROWN CLAY FINE SAND STKS. & LIMEROCK STICKY	
	380		398	BROWN SOAPSTONE	
good	398	15	413	BROWN SANDSTONE & SAND FINE & FEW BROWN ROCK LOOSE USES WATER	
	413		418	BROWN SOAPSTONE	
good	418	06	424	GREY SANDSTONE FIRM	
good	424	60	484	BROWN SANDSTONE WHITE ROCK BROWN SOAPSTONE & GREY CLAY FEW BROWN & BLACK ROCK USES WATER	
	484		520	GREY CLAY & BROWN SOAPSTONE	

HENKLE DRILLING & SUPPLY CO., INC.

GARDEN CITY, KANSAS
Phone 276-3278

SUBLETT, KANSAS
Phone 675-4311

TEST HOLES DOMESTIC WELLS STOCK WELLS IRRIGATION & INDUSTRIAL WELLS

WATER WELL RECORD Form WWC-5 KSA 82a-1212

1 LOCATION OF WATER WELL:	Fraction	Section Number	Township Number	Range Number
COUNTY: 047 KEARNY	NC SW 1/4	11	T 26 S	R 35 W

Distance and direction from nearest town or city street address of well if located within city?

FROM DEERFIELD; APPX 11 3/4 MILES SOUTH

2 WATER WELL OWNER: RIDGEVIEW FARMS

RR#, St. Address, Box # : PO BOX 595

Board of Agriculture, Division of Water Resources

City, State, ZIP code : GARDEN CITY, KS 67846-0595

Application Number: 33599

3 LOCATE WELL'S LOCATION WITH

AN "X" IN SECTION BOX:

4 DEPTH OF COMPLETED WELL 491 ELEVATION: 0

Depth(s) Groundwater Encountered 1. 0 ft. 2. 0 ft. 3. 0 ft.

/ \ WELL'S STATIC WATER LEVEL 312 ft. below land surface measured on mo/day/yr 07/27/06

Pump test data: Well water was 405 ft. after 4 hours pumping 450 gpm

1 Estimated Yield 0 gpm: Well water was 0 ft. after 0 hours pumping 0 gpm

M Bore Hole Diameter 24 in. to 491 ft., and in. to 0 ft.

e WELL WATER TO BE USED AS: 02 IRRIGATION

Was a chemical/bacteriological sample submitted to department? No ;

If yes, mo/day/yr sample was submitted Water well disinfected? Yes

5 TYPE OF BLANK CASING USED: 01 STEEL

CASING JOINTS: WELDED

Blank casing diameter 16 in. to 491 ft., Dia in. to 0 ft., Dia in. to 0 ft.

Casing height above land surface 12 in., weight 42 lbs/ft. Wall thickness or gauge No. .250

TYPE OF SCREEN OR PERFORATION MATERIAL: 01 STEEL

SCREEN OR PERFORATION OPENINGS ARE: 01 CONT. SLOT

SCREEN PERFORATED INTERVALS: From 346 ft. to 486 ft., From 0 ft. to 0 ft.

From 0 ft. to 0 ft., From 0 ft. to 0 ft.

GRAVEL PACK INTERVALS: From 20 ft. to 491 ft., From 0 ft. to 0 ft.

From 0 ft. to 0 ft., From 0 ft. to 0 ft.

6 GROUT MATERIAL 03 BENTONITE

Grout Intervals: From 0 ft. to 20 ft., From 0 ft. to 0 ft., From 0 ft. to 0 ft.

What is the nearest source of possible contamination: 14 ABAND. WELL

Direction from well? SOUTHEAST

How many feet? 73

FROM	TO	LITHOLOGIC LOG	FROM	TO	PLUGGING INTERVALS
0	1	02 SILT			
1	47	07 FINE SAND			
47	55	01 CLAY			
55	85	05 SAND 11 GRAVEL			
85	89	04 SANDY CLAY			
89	164	05 SAND 13 FINE GRAVEL 01 CLAY			
164	169	04 SANDY CLAY			
169	179	05 SAND 13 FINE GRAVEL			
179	188	04 SANDY CLAY			
188	205	05 SAND			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was Constructed under my jurisdiction and was completed on (mo/day/year) 07/21/06 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 145 This Water Well Record was completed on (mo/day/yr) 10/09/06 under the business name of HENKLE DRILLING & SUPPLY by (signature)

(Continued)

WATER WELL RECORD Form WWC-5 KSA 82a-1212

1 LOCATION OF WATER WELL: | Fraction | Section Number | Township Number | Range Number
COUNTY: 047 KEARNY | 1/4 NC 1/4 SW 1/4 | 11 | T 26 S | R 35 W

2 WATER WELL OWNER: RIDGEVIEW FARMS

RR#, St. Address, Box # : PO BOX 595

Board of Agriculture, Division of Water Resources

City, State, ZIP code : GARDEN CITY, KS 67846-0595

Application Number: 33599

FROM	TO	LITHOLOGIC LOG
205	221	05 SAND 01 CLAY
221	250	04 SANDY CLAY 05 SAND
250	266	05 SAND 13 FINE GRAVEL
266	297	04 SANDY CLAY 05 SAND
297	320	05 SAND
320	347	04 SANDY CLAY 05 SAND
347	362	07 FINE SAND 08 MEDIUM SAND
362	367	01 CLAY
367	370	07 FINE SAND 08 MEDIUM SAND
370	402	04 SANDY CLAY 05 SAND
402	409	07 FINE SAND
409	411	05 SAND 28 ROCK
411	429	06 VERY FN SAND
429	470	23 SANDSTONE
470	486	23 SANDSTONE
486	533	01 CLAY
533	550	19 SHALE

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was Constructed under my jurisdiction and was completed on (mo/day/year) 07/21/06 and this record is true to the best of my knowledge and belief. Kansas
Water Well Contractor's License No. 145 This Water Well Record was completed on (mo/day/yr) 10/09/06
under the business name of HENKLE DRILLING & SUPPLY by (signature)

Bruce J. Reichman

1 LOCATION OF WATER WELL		Fraction Near Center		Section Number	Township Number		Range Number						
County: <u>Kearny</u>		<u>1/4</u> <u>1/4</u> <u>NE</u> <u>1/4</u>		<u>14</u>	<u>T</u> <u>26</u> <u>S</u>		<u>R</u> <u>35</u> <u>EW</u>						
Distance and direction from nearest town or city? <u>Approx 9 1/2 miles South & 7 1/4 miles East of Lakin, KS</u>				Street address of well if located within city?									
2 WATER WELL OWNER:		Hitch Family Farms											
RR#, St. Address, Box # :		Box 1054											
City, State, ZIP Code :		Garden City, KS 67846											
		Board of Agriculture, Division of Water Resources Application Number: <u>33,628</u>											
3 DEPTH OF COMPLETED WELL		<u>59.7</u> ft. Bore Hole Diameter <u>2.6</u> in. to ft., and in. to ft.											
Well Water to be used as:		5 Public water supply 8 Air conditioning 11 Injection well 1 Domestic 3 Feedlot 6 Oil field water supply 9 Dewatering 12 Other (Specify below) 2 Irrigation 4 Industrial 7 Lawn and garden only 10 Observation well											
Well's static water level		<u>1.59</u> ft. below land surface measured on <u>December</u> month <u>5</u> day <u>1980</u> year											
Pump Test Data		Well water was <u>2.38</u> ft. after <u>4</u> hours pumping <u>1,65.3</u> gpm											
Est. Yield <u>2000</u> gpm:		Well water was ft. after hours pumping gpm											
4 TYPE OF BLANK CASING USED:		5 Wrought iron 8 Concrete tile Casing Joints: Glued Clamped 1 Steel 3 RMP (SR) 6 Asbestos-Cement 9 Other (specify below) Welded <u>X</u> 2 PVC 4 ABS 7 Fiberglass Threaded											
Blank casing dia		<u>1.6</u> in. to <u>59.7</u> ft. Dia in. to ft. Dia in. to ft.											
Casing height above land surface		<u>1.6</u> in., weight <u>42.05</u> lbs./ft. Wall thickness or gauge No <u>250</u>											
TYPE OF SCREEN OR PERFORATION MATERIAL:		7 PVC 10 Asbestos-cement 1 Steel 3 Stainless steel 5 Fiberglass 8 RMP (SR) 11 Other (specify) 2 Brass 4 Galvanized steel 6 Concrete tile 9 ABS 12 None used (open hole)											
Screen or Perforation Openings Are:		5 Gauzed wrapped 8 Saw cut 11 None (open hole) 1 Continuous slot 3 Mill slot 6 Wire wrapped 9 Drilled holes 2 Louvered shutter 4 Key punched 7 Torch cut 10 Other (specify)											
Screen-Perforation Dia		<u>1.6</u> in. to <u>59.7</u> ft. Dia in. to ft. Dia in. to ft.											
Screen-Perforated Intervals:		From <u>260-330</u> ft. to <u>345-365</u> ft., From <u>385-395</u> ft. to <u>410-430</u> ft. From <u>477-597</u> ft. to ft., From ft. to ft.											
Gravel Pack Intervals:		From <u>10</u> ft. to <u>59.7</u> ft., From ft. to ft. From ft. to ft., From ft. to ft.											
5 GROUT MATERIAL:		1 Neat cement 2 Cement grout 3 Bentonite 4 Other Grouted Intervals: From <u>0</u> ft. to <u>10</u> ft., From ft. to ft., From ft. to ft.											
What is the nearest source of possible contamination:		None Observed 10 Fuel storage 14 Abandoned water well 1 Septic tank 4 Cess pool 7 Sewage lagoon 11 Fertilizer storage 15 Oil well/Gas well 2 Sewer lines 5 Seepage pit 8 Feed yard 12 Insecticide storage 16 Other (specify below) 3 Lateral lines 6 Pit privy 9 Livestock pens 13 Watertight sewer lines											
Direction from well		How many feet ? Water Well Disinfected? Yes No <u>X</u>											
Was a chemical/bacteriological sample submitted to Department?		Yes No <u>X</u> If yes, date sample was submitted month day year											
If Yes: Pump Manufacturer's name		Model No. HP Volts											
Depth of Pump Intake		ft. Pumps Capacity rated at gal./min.											
Type of pump:		1 Submersible 2 Turbine 3 Jet 4 Centrifugal 5 Reciprocating 6 Other											
6 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION:		This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on <u>December</u> month <u>4</u> day <u>1980</u> year and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. <u>145</u> This Water Well Record was completed on <u>December</u> month <u>19</u> day <u>1980</u> year under the business name of <u>Henkle Drilling & Supply Co., Inc.</u> by (signature) <u>Bruce J. Reichmuth</u>											
7 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:		FROM		TO		LITHOLOGIC LOG		FROM		TO		LITHOLOGIC LOG	
						See Attached Log							
ELEVATION:													
Depth(s) Groundwater Encountered		1 ft.		2 ft.		3 ft.		4 ft.		(Use a second sheet if needed)			

INSTRUCTIONS: Use typewriter or ball point pen, please press firmly and PRINT clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Division of Environment, Water Well Contractors, Topeka, KS 66620. Send one to WATER WELL OWNER and retain one for your records.

OFFICE USE ONLY

T

26

R

35

E

SEC

14

C of NE 1/4

1/4

DRILLERS TEST LOG

CUSTOMER NAME Hitch Family Farms DATE 5/22/80
 STREET ADDRESS Box 1054 TEST # 1 E. LOG- Yes
 CITY & STATE Garden City, Ks. DRILLER Tim Mai
 COUNTY Kearny QUARTER NE SECTION 14 TOWNSHIP 26 RANGE 35

LOCATION 30' NE of Pivot

	DRILLED FROM	PAY	FOOTAGE	DESCRIPTION OF STRATA	STATIC WATER LEVEL PROPOSED WELL DEPTH
	0		20	SURFACE SAND	
	20		28	BROWN CLAY	
	28		55	FINE SAND & BROWN CLAY STKS.	
	55		98	SAND-FINE TO MED COURSE SMALL TO LARGE GRAVEL (COBBLESTONE 85-98)	
	98		112	GREY & WHITE CLAY FEW CEMENTED LEDGES & CALICHE STKS.	
	112		160	SAND-FINE TO MED COURSE SMALL TO MED GRAVEL SMALL BROWN & GREY CLAY STKS. FEW LARGE ROCK LEDGES	
50	160	6	186	SAND-FINE TO MED COURSE SMALL & FEW MED GRAVEL FEW SMALL CLAY STKS.	
	186		194	GREY & BROWN CLAY, CEMENTED LEDGES	
50	194	6	200	SAND-FINE TO MED COURSE SMALL GRAVEL	
	200		204	GREY CLAY & LARGE ROCK LEDGE	
50	204	10	214	SAND-FINE TO MED COURSE SMALL GRAVEL	
	214		221	BROWN CLAY & SAND STK.	
50	221	16	237	SAND-FINE TO MED COURSE FEW SMALL GRAVEL, FEW CLAY STRINGERS VERY FEW CEMENTED LEDGES & HARD GREY CLAY STKS.	
45	237	14	251	SAND-FINE TO MED	
	251		255	BROWN CLAY	
50	255	5	260	SAND-FINE TO MED COURSE SMALL GRAVEL	
75	260	13	273	SAND-FINE TO MED COURSE SMALL TO LARGE GRAVEL FEW HARD CLAY STKS. USES WATER	
	273		281	BROWN CLAY, FEW ROCK LEDGES & SAND STKS.	
70	281	31	312	SAND-FINE TO MED COURSE SMALL TO LARGE GRAVEL USES WATER FEW CLAY STKS.	
55	312	15	327	SAND-FINE TO MED COURSE SMALL & FEW MED GRAVEL, VERY FIRM FEW SMALL CLAY STKS.	
	327		341	BROWN & WHITE CLAY & LIMEROCK-STICKY	
55	341	23	364	SAND-FINE, FEW MED & COURSE, BROWN CLAY STKS. LIMEROCK LEDGES	
	364		386	BROWN & WHITE CLAY FEW FINE SAND STKS LIMEROCK	
Good	386	6	392	SAND-FINE, BROWN SANDSTONE STK. BROWN & TAN ROCK	
	392		414	BROWN, GREY & YELLOW SOAPSTONE-STICKY	
Good	414	12	426	BROWN SANDSTONE, & RED ROCK LEDGE USES LITTLE WATER	
	426		443	GREY CLAY	
	443		445	RED ROCK	
	445		480	GREY CLAY	
Good	480	112	592	BROWN, WHITE, & YELLOW SANDSTONE FIRM-USES LITTLE WATER	
	592		600	HARD BROWN CLAY & SHALE 5 SACKS QUIK-GEL 1/2 SACK LIME	
				SET UP SOUTH	
				PITS WEST	

HENKLE DRILLING & SUPPLY CO., INC.

GARDEN CITY, KANSAS

Phone 376-3278

SUBLETTE, KANSAS

Phone 675-4311

TEST HOLES

DOMESTIC WELLS

STOCK WELLS

IRRIGATION & INDUSTRIAL WELLS

LOCATION OF WATER WELL	Fraction Near Center of	Section Number	Township Number	Range Number
County: KEARNY	$\frac{1}{4}$ $\frac{1}{4}$ SW $\frac{1}{4}$	14	T 26 S	R 35 EW

Distance and direction from nearest town or city?

Approx 12 3/4 mi. S & 1 mi E of Deerfield, KS

Street address of well if located within city?

2 WATER WELL OWNER: **Hitch Family Farms**RR#, St. Address, Box #: **Box 1054**

Board of Agriculture, Division of Water Resources

City, State, ZIP Code: **Garden City, Kansas 67846**Application Number: **33,630**3 DEPTH OF COMPLETED WELL... **568**... ft. Bore Hole Diameter... **24**... in. to... **568**... ft., and... in. to... ft.

Well Water to be used as:

5 Public water supply

8 Air conditioning

11 Injection well

1 Domestic 3 Feedlot

6 Oil field water supply

9 Dewatering

12 Other (Specify below)

2 Irrigation 4 Industrial

7 Lawn and garden only

10 Observation well

Well's static water level... **146**... ft. below land surface measured on... **JULY**... month... **29**... day... **1980**... yearPump Test Data: Well water was... **230**... ft. after... **4**... hours pumping... **1328**... gpmEst. Yield **1300** gpm: Well water was... ft. after... hours pumping... gpm

4 TYPE OF BLANK CASING USED:

5 Wrought iron

8 Concrete tile

Casing Joints: Glued... Clamped...

1 Steel

3 RMP (SR)

6 Asbestos-Cement

9 Other (specify below)

Welded... **X**

2 PVC

4 ABS

7 Fiberglass

Threaded...

Blank casing dia... **16**... in. to... **568**... ft., Dia... in. to... ft., Dia... in. to... ft.Casing height above land surface... **12**... in., weight... **36.91**... lbs./ft. Wall thickness or gauge No... **.219**

TYPE OF SCREEN OR PERFORATION MATERIAL:

1 Steel

3 Stainless steel

5 Fiberglass

7 PVC

10 Asbestos-cement

2 Brass

4 Galvanized steel

6 Concrete tile

8 RMP (SR)

11 Other (specify)

9 ABS

12 None used (open hole)

Screen or Perforation Openings Are:

5 Gauzed wrapped

8 Saw cut

11 None (open hole)

1 Continuous slot

3 Mill slot

6 Wire wrapped

9 Drilled holes

2 Louvered shutter

4 Key punched

7 Torch cut

10 Other (specify)

Screen-Perforation Dia... **16**... in. to... **565**... ft., Dia... in. to... ft., Dia... in. to... ft.Screen-Perforated Intervals: From... **237**... to... **257**... ft. to... **265**... to... **285**... ft., From... **290**... to... **320**... ft. to... **361**... to... **381**... ft.From... **425**... to... **565**... ft. to... ft., From... ft. to... ft.Gravel Pack Intervals: From... **10**... ft. to... **568**... ft., From... ft. to... ft.

From... ft. to... ft., From... ft. to... ft.

5 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other

Grouted Intervals: From... **0**... ft. to... **10**... ft., From... ft. to... ft., From... ft. to... ft.What is the nearest source of possible contamination: **None Observed**

10 Fuel storage

14 Abandoned water well

1 Septic tank

4 Cess pool

7 Sewage lagoon

11 Fertilizer storage

15 Oil well/Gas well

2 Sewer lines

5 Seepage pit

8 Feed yard

12 Insecticide storage

16 Other (specify below)

3 Lateral lines

6 Pit privy

9 Livestock pens

13 Watertight sewer lines

Direction from well... How many feet... ? Water Well Disinfected? Yes... No... **X**Was a chemical/bacteriological sample submitted to Department? Yes... No... **X** If yes, date samplewas submitted... month... day... year: Pump Installed? Yes... **X** No... **X**If Yes: Pump Manufacturer's name... **Johnston** Model No... **12CC** HP... **125** VoltsDepth of Pump Intake... **305**... ft. Pumps Capacity rated at... **900**... gal./min.

Type of pump: 1 Submersible 2 Turbine 3 Jet 4 Centrifugal 5 Reciprocating 6 Other

6 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was

completed on... **JULY**... month... **25**... day... **1980**... yearand this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No... **145**This Water Well Record was completed on... **AUGUST**... month... **20**... day... **1980**... year under the businessname of **Henkle Drilling & Supply Co., Inc.** by (signature) **Bruce J. Reichmuth**

7 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:

FROM

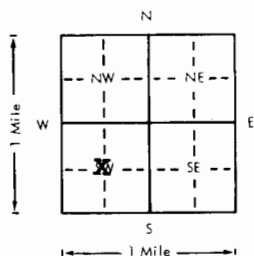
TO

LITHOLOGIC LOG

FROM

TO

LITHOLOGIC LOG

See Attached Log

ELEVATION:

Depth(s) Groundwater Encountered 1... ft. 2... ft. 3... ft. 4... ft. (Use a second sheet if needed)

INSTRUCTIONS: Use typewriter or ball point pen, please press firmly and PRINT clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Division of Environment, Water Well Contractors, Topeka, KS 66620. Send one to WATER WELL OWNER and retain one for your records.

OFFICE USE ONLY

T

R

EW

SEC.

1/4

1/4

1/4

DRILLERS TEST LOG

CUSTOMERS NAME HITCH FAMILY FARMS

DATE 6-9-80

STREET ADDRESS Box 1054

TEST # 4

CITY & STATE Garden City, KS. 67846

DRILLER Tim Mai

COUNTY Kearny QUARTER SW SECTION 14 TOWNSHIP 26 RANGE 35

LOCATION 290' N. of pivot

S	DRILLED		FOOTAGE	DESCRIPTION OF STRATA	STATIC WATER LEVEL
	FROM	PAY			PROPOSED WELL DEPTH
	0		38	SURFACE SAND	
	38		43	BROWN CLAY	
	43		55	SAND FINE TO MED.	
	55		83	SAND FINE TO MED. COARSE SMALL TO LARGE GRAVEL	
	83		96	BROWN CLAY & CEMENTED LEDGES	
	96		104	SAND FINE TO MED. COARSE	
	104		155	BROWN & BLUE CLAY VERY FEW SAND STKS.	
	155		185	MURKY BLUE CLAY & CEMENTED LEDGES	
	185		200	BLUE SAND FINE TO MED. COARSE, SMALL TO MED. GRAVEL & BLUE CLAY STKS.	
	200		210	GREY CLAY	
	210		226	BROWN CLAY FEW SMALL SAND STKS.	
50	226	05	231	SAND FINE TO MED. COARSE SMALL & FEW MED. GRAVEL	
	231		234	BROWN CLAY	
35	234	07	241	SAND FINE TO MED. COARSE SMALL & FEW MED. GRAVEL & BROWN CLAY BLUE ROCK & BLUE CLAY STKS.	
55	241	05	246	SAND FINE TO MED. COARSE SMALL TO MED. GRAVEL	
	246		260	BROWN CLAY	
60	260	11	271	SAND FINE TO MED. COARSE SMALL TO MED. GRAVEL LIMEROCK	
	271		277	BROWN CLAY & LIMEROCK	
50	277	06	283	SAND FINE TO MED. COARSE SMALL GRAVEL	
	283		300	WHITE & BROWN SANDY CLAY & SAND FINE TO MED. COARSE	
	300		319	WHITE & BROWN CLAY, LIMEROCK & FEW FINE SAND STKS.	
30	319	11	330	SAND FINE TO MED. LIMEROCK LEDGES CLAY STKS. & HARD BLUE CLAY STKS.	
	330		366	BROWN CLAY FEW HARD BLUE CLAY STKS. & LIMEROCK VERY FEW FINE SAND STKS. STICKY	
45	366	30	396	SAND FINE TO MED. & BROWN CLAY STRINGERS FEW WHITE ROCK	
45	396	06	402	SAND FINE TO MED. BROWN ROCK & TAN CLAY	
	402		433	BROWN SOAPSTONE GREY & WHITE CLAY STKS. & MED. SMALL RED ROCK	
fair	433	118	551	WHITE SANDSTONE FEW BLACK ROCK, VERY FEW HARD LEDGES BROWN SOAPSTONE & GREY & BLUE CLAY	
	551		556	HARD BROWN CLAY	
	556		560	GREY SHALE & BLACK ROCK LEDGES	

HENKLE DRILLING & SUPPLY CO., INC.

GARDEN CITY, KANSAS

SUBLETTE, KANSAS

Phone 276-3278

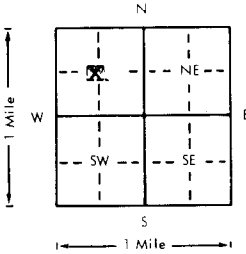
Phone 675-4311

TEST HOLES

DOMESTIC WELLS

STOCK WELLS

IRRIGATION & INDUSTRIAL WELLS

1 LOCATION OF WATER WELL		Fraction Near Center of	Section Number 14	Township Number T 26 S	Range Number R 35 E (W)		
County: KEARNY		$\frac{1}{4}$ $\frac{1}{4}$ NW $\frac{1}{4}$					
Distance and direction from nearest town or city? Approx 12 1/2 mi S. & 1/4 E. of Deerfield, KS			Street address of well if located within city?				
2 WATER WELL OWNER: Hitch Family Farms			Board of Agriculture, Division of Water Resources				
RR#, St. Address, Box #: Box 1054			Application Number: 33,629				
City, State, ZIP Code: Garden City, Kansas 67846							
3 DEPTH OF COMPLETED WELL: 595 ft. Bore Hole Diameter: 24 in. to 595 ft., and in. to ft.							
Well Water to be used as:							
1 Domestic 3 Feedlot		5 Public water supply		8 Air conditioning 11 Injection well			
2 Irrigation 4 Industrial		6 Oil field water supply		9 Dewatering 12 Other (Specify below)			
		7 Lawn and garden only		10 Observation well			
Well's static water level: 159 ft. below land surface measured on JULY month 31 day 1980 year							
Pump Test Data: Well water was 235 ft. after 4 hours pumping 1280 gpm							
Est. Yield 1550 gpm: Well water was ft. after hours pumping gpm							
4 TYPE OF BLANK CASING USED:							
1 Steel 3 RMP (SR)		5 Wrought iron		8 Concrete tile			
2 PVC 4 ABS		6 Asbestos-Cement		9 Other (specify below)			
		7 Fiberglass		Casing Joints: Glued Clamped			
				Welded X			
				Threaded			
Blank casing dia. 16 in. to 595 ft. Dia in. to ft. Dia in. to ft.							
Casing height above land surface: 12 in., weight 36.91 lbs./ft. Wall thickness or gauge No. 219							
TYPE OF SCREEN OR PERFORATION MATERIAL:							
1 Steel 3 Stainless steel		5 Fiberglass		7 PVC 10 Asbestos-cement			
2 Brass 4 Galvanized steel		6 Concrete tile		8 RMP (SR) 11 Other (specify)			
				9 ABS 12 None used (open hole)			
Screen or Perforation Openings Are:							
1 Continuous slot 3 Mill slot		5 Gauzed wrapped		8 Saw cut 11 None (open hole)			
2 Louvered shutter 4 Key punched		6 Wire wrapped		9 Drilled holes			
		7 Torch cut		10 Other (specify)			
Screen-Perforation Dia. 16 in. to 590 ft. Dia in. to ft. Dia in. to ft.							
Screen-Perforated Intervals: From 245 to 265 ft. to 285 to 295 ft. From 300 to 350 ft. to 375 to 385 ft.							
From 440 to 460 ft. to 490 to 590 ft. From ft. to ft.							
Gravel Pack Intervals: From 10 ft. to 595 ft. From ft. to ft.							
From ft. to ft. From ft. to ft.							
5 GROUT MATERIAL:							
1 Neat cement 2 Cement grout		3 Bentonite		4 Other			
Grouted Intervals: From 0 ft. to 10 ft. From ft. to ft. From ft. to ft.							
What is the nearest source of possible contamination: None Observed							
1 Septic tank 4 Cess pool		7 Sewage lagoon		10 Fuel storage 14 Abandoned water well			
2 Sewer lines 5 Seepage pit		8 Feed yard		11 Fertilizer storage 15 Oil well/Gas well			
3 Lateral lines 6 Pit privy		9 Livestock pens		12 Insecticide storage 16 Other (specify below)			
				13 Watertight sewer lines			
Direction from well: How many feet? Water Well Disinfected? Yes X No							
Was a chemical/bacteriological sample submitted to Department? Yes X No If yes, date sample							
was submitted month day year: Pump Installed? Yes X No							
If Yes: Pump Manufacturer's name: Johnston Model No. 12CC HP 125 Volts							
Depth of Pump Intake: 345 ft. Pumps Capacity rated at 900 gal./min.							
Type of pump: 1 Submersible 2 Turbine 3 Jet 4 Centrifugal 5 Reciprocating 6 Other							
6 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was							
completed on AUGUST month 1 day 1980 year							
and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 145							
This Water Well Record was completed on AUGUST month 20 day 1980 year under the business							
name of Henkle Drilling & Supply Co., Inc. by (signature) Bruce J. Reichmuth							
7 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:		FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
				See Attached Log			
ELEVATION:							
Depth(s) Groundwater Encountered 1. ft. 2. ft. 3. ft. 4. ft. (Use a second sheet if needed)							
INSTRUCTIONS: Use typewriter or ball point pen, please press firmly and PRINT clearly. Please fill in blanks, underline or circle the correct answers. Send top three copies to Kansas Department of Health and Environment, Division of Environment, Water Well Contractors, Topeka, KS 66620. Send one to WATER WELL OWNER and retain one for your records.							

DRILLERS TEST LOG

CUSTOMERS NAME HITCH FAMILY FARMS DATE 6-10-80
STREET ADDRESS Box 1054 TEST # 2
CITY & STATE Garden City, KS. 67846 DRILLER Tim Mai
COUNTY Kearny QUARTER NW SECTION 14 TOWNSHIP 26 RANGE 35

LOCATION 290' E of pivot

WELL LOCATION

TOTAL DEPTH 595'

#	DRILLED FROM	PAY	FOOTAGE	DESCRIPTION OF STRATA	STATIC WATER LEVEL	PROPOSED WELL DEPTH
	0		50	SURFACE SAND		
	50		68	GREY CLAY		
	68		100	SAND FINE TO MED. COARSE SMALL TO LARGE GRAVEL		
				FEW SMALL CEMENTED LEDGES		
	100		134	BROWN CLAY FEW SAND STKS. & CEMENTED LEDGES		
	134		144	SAND FINE TO MED. COARSE SMALL TO MED. & FEW LARGE GRAVEL		
	144		160	BLUE & GREY CLAY VERY FEW CEMENTED LEDGES		
	160		206	BLUE MURKY CLAY		
	206		216	BLUE SAND & BLUE CLAY STKS.		
30	216	32	248	BROWN SANDY CLAY & SAND FINE TO MED. COARSE SMALL TO MED. GRAVEL & FEW LARGE ROCK LEDGES FEW HARD BLUE CLAY STKS.		
60	248	12	260	SAND FINE TO MED. COARSE SMALL TO MED. GRAVEL, FEW SMALL CLAY STKS.		
	260		283	BROWN SANDY CLAY & SAND FINE TO MED. COARSE HARD CLAY STRINGERS		
65	283	11	294	SAND FINE TO MED. COARSE SMALL TO MED. GRAVEL WHITE ROCK LEDGE FEW HARD CLAY STRINGERS & VERY FEW SMALL CLAY STKS.		
	294		299	BROWN CLAY		
60	299	20	319	SAND FINE TO MED. COARSE SMALL TO MED. GRAVEL FEW CLAY STKS.		
45	319	15	334	BROWN CLAY & SAND FINE TO MED. COARSE SMALL GRAVEL FIRM		
55	334	07	341	SAND FINE TO MED. COARSE SMALL GRAVEL		
	341		346	TAN CLAY		
60	346	05	351	SAND FINE TO MED. COARSE SMALL GRAVEL USES WATER		
	351		374	WHITE & BROWN CLAY, LIMEROCK & FEW LIMEROCK LEDGES & FINE SAND STKS.		
50	374	12	386	SAND FINE TO MED. COARSE & LIMEROCK		
	386		393	BLUE & BROWN HARD CLAY		
	393		401	BROWN & WHITE SANDY CLAY SAND STKS.		
	401		418	BROWN & TAN CLAY STICKY		
45	418	04	422	FINE SAND & BROWN SANDSTONE & BROWN ROCK		
	422		426	WHITE CLAY		
fair	426	05	431	BROWN SANDSTONE & BROWN ROCK LEDGES		
	431		437	WHITE & YELLOW CLAY		
good	437	23	460	BROWN SANDSTONE FEW BROWN ROCK LEDGE USES WATER MUD HEAVY		
	460		490	GREY CLAY STICKY		
good	490	100	590	GREY SANDSTONE & GREY & BLUE CLAY BLACK ROCK LEDGE 505' USES LITTLE WATER		

Pg 2

DRILLERS TEST LOG

CUSTOMERS NAME HITCH FAMILY FARMS DATE 6-10-80
STREET ADDRESS BOX 1054 TEST # 2
CITY & STATE Garden City, KS. 67846 DRILLER Tim Mai
COUNTY Kearny QUARTER NW SECTION 14 TOWNSHIP 26 RANGE 35

LOCATION 290' E. of pivot

#	DRILLED FROM	PAY	FOOTAGE	DESCRIPTION OF STRATA	STATIC WATER LEVEL	PROPOSED WELL DEPTH
	590		600	HARD BROWN CLAY & GREY SHALE		