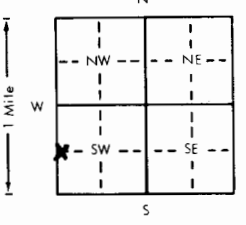


1 LOCATION OF WATER WELL		Fraction <u>Near center of west side</u>	Section Number <u>31</u>	Township Number <u>T 27 S</u>	Range Number <u>R 31 E</u>
County: <u>Haskell</u>		<u>1/4</u>	<u>1/4</u> <u>SW</u>	<u>1/4</u>	
Distance and direction from nearest town or city? <u>Approx 7 1/2 miles north and 7 miles west of Capeland</u>		Street address of well if located within city?			
2 WATER WELL OWNER: <u>Emil Nightengale</u>		Board of Agriculture, Division of Water Resources			
RR#, St. Address, Box #		Application Number: <u>10,212</u>			
City, State, ZIP Code: <u>Sublette, ks. 67877</u>					
3 DEPTH OF COMPLETED WELL <u>543</u> ft. Bore Hole Diameter <u>26</u> in. to ft., and in. to ft.					
Well Water to be used as:					
1 Domestic		3 Feedlot		5 Public water supply	
2 Irrigation		4 Industrial		6 Oil field water supply	
		7 Lawn and garden only		8 Air conditioning	
				9 Dewatering	
				10 Observation well	
				11 Injection well	
				12 Other (Specify below)	
Well's static water level <u>195</u> ft. below land surface measured on <u>March</u> month <u>7</u> day <u>1980</u> year					
Pump Test Data: Well water was <u>235</u> ft. after <u>4</u> hours pumping <u>1435</u> gpm					
Est. Yield <u>1500</u> gpm: Well water was ft. after hours pumping gpm					
4 TYPE OF BLANK CASING USED:					
1 Steel		3 RMP (SR)		5 Wrought iron	
2 PVC		4 ABS		6 Asbestos-Cement	
				7 Fiberglass	
				8 Concrete tile	
				9 Other (specify below)	
				Casing Joints: Glued Clamped	
				Welded <u>X</u>	
				Threaded	
Blank casing dia <u>16</u> in. to <u>543</u> ft. Dia in. to ft. Dia in. to ft.					
Casing height above land surface <u>12</u> in., weight <u>42.05</u> lbs./ft. Wall thickness or gauge No <u>250</u>					
TYPE OF SCREEN OR PERFORATION MATERIAL:					
1 Steel		3 Stainless steel		5 Fiberglass	
2 Brass		4 Galvanized steel		6 Concrete tile	
				7 PVC	
				8 RMP (SR)	
				9 ABS	
				10 Asbestos-cement	
				11 Other (specify)	
				12 None used (open hole)	
Screen or Perforation Openings Are:					
1 Continuous slot		3 Mill slot		5 Gauzed wrapped	
2 Louvered shutter		4 Key punched		6 Wire wrapped	
				7 Torch cut	
				8 Saw cut	
				11 None (open hole)	
Screen-Perforation Dia <u>16</u> in. to <u>540</u> ft. Dia in. to ft. Dia in. to ft.					
Screen-Perforated Intervals: From <u>225</u> ft. to <u>255</u> ft. From <u>330</u> ft. to <u>430</u> ft.					
From <u>500</u> ft. to <u>540</u> ft. From ft. to ft.					
Gravel Pack Intervals: From <u>10</u> ft. to <u>543</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: <u>None observed</u>					
1 Septic tank		4 Cess pool		7 Sewage lagoon	
2 Sewer lines		5 Seepage pit		8 Feed yard	
3 Lateral lines		6 Pit privy		9 Livestock pens	
				10 Fuel storage	
				11 Fertilizer storage	
				12 Insecticide storage	
				13 Watertight sewer lines	
				14 Abandoned water well	
				15 Oil well/Gas well	
				16 Other (specify below)	
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: Pump Installed? Yes No <u>X</u>					
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>March</u> month <u>7</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>March</u> month <u>8</u> day <u>1980</u> year under the business					
name of <u>Henkle Drilling and Supply</u> by (signature) <u>Bruce J. Reichmann</u>					
7 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:		FROM TO LITHOLOGIC LOG		FROM TO LITHOLOGIC LOG	
		<u>See attached log</u>			
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	EMIL NIGHTENGALE	DATE	11-28-79
STREET ADDRESS		TEST #	1
CITY & STATE	SUBLETTE, KS.	DRILLER	MAI
COUNTY	HASKELL	QUARTER	SW
	SECTION	31	TOWNSHIP
	27	RANGE	31

LOCATION 275' S OF OLD WELL GAS WELL 20' W OF TEST #1

WELL LOCATION					
#	DRILLED	PAY	FOOTAGE	DESCRIPTION OF STRATA	STATIC WATER LEVEL
	FROM		TO		PROPOSED WELL DEPTH
	0		2	TOP SOIL	
	2		48	BROWN CLAY & CALICHE SAND STKS	
	48		78	SAND FINE TO MED. COARSE CLAY STKS & CALICHE	
	78		99	BROWN CLAY & CALICHE	
	99		180	SAND - FINE TO MED. COARSE SMALL TO LARGE GRAVEL	
				LOOSE USES WATER HARD TO GET LARGE HARD ROCK	
				UP VERY FEW CLAY STKS..	
55	180	40	240	SAND FINE TO MED. COARSE SMALL TO MED.GRAVEL & CLAY STKS.	
	240		242	CEMENTED SAND	
	242		255	BROWN & BLUE CLAY FEW ROCK LEDGES & SAND STKS.	
	255		330	BLUE CLAY VERY FEW SAND STKS. & LIMEROCK LEDGES	
55	330	21	351	SAND FINE TO MED. COARSE SMALL GRAVEL	
	351		360	BROWN CLAY, LIMEROCK & FEW SAND STKS.	
55	360	9	369	SAND FINE TO MED. COARSE SMALL & FEW MED. GRAVEL	
	369		390	BROWN CLAY LIMEROCK & SAND STKS.	
50	390	4	394	SAND FINE TO MED. COARSE SMALL GRAVEL	
	394		399	BROWN CLAY LIMEROCK & SAND STKS.	
55	399	12	411	SAND FINE TO MED. COARSE SMALL GRAVEL	
	411		421	BROWN CLAY & LIMEROCK LEDGES	
50	421	9	430	SAND FINE TO MED. COARSE	
	430		495	BROWN CLAY LIMEROCK & FEW SAND STKS. STICKY	
	495		505	BROWN SANDY CLAY LIMEROCK & FEW SAND STKS.	
	505		521	BROWN SANDY CLAY SAND- fine TO MED. COARSE	
70	521	14	535	SAND FINE TO MED. COARSE SMALL BROWN GRAVEL	
	535		590	SOAPSTONE WITH VERY FEW SANDSTONE STKS.	
	590		600	WEATHERED SHALE	
		109			
				6 SACKS QUICK GEL	
				SET UP NORTH PITS EAST	
				WELL DEPTH 543'	

HENKLE DRILLING & SUPPLY CO., INC.

GARDEN CITY, KANSAS
Phone 276-3278

SUBLETTE, KANSAS
Phone 675-4311

TEST HOLES

DOMESTIC WELLS

STOCK WELLS

IRRIGATION & INDUSTRIAL WELLS