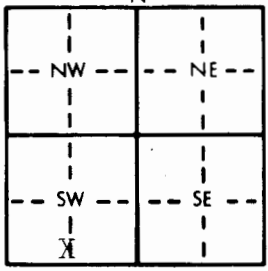


1 LOCATION OF WATER WELL: Fraction Center of Section Number 33 Township Number T 27 S Range Number R 31 E
 County: Haskell S 1/2 1/4 S 1/2 1/4 SW 1/4

Distance and direction from nearest town or city street address of well if located within city?
 From Sublette, 11 North, 6 1/2 East

2 WATER WELL OWNER: Jeannette, or Irene Nightengale % Virgil Nightengale
 RR#, St. Address, Box # : RR #1 Box 24 Board of Agriculture, Division of Water Resources
 City, State, ZIP Code : Copeland, Ks. 67837 Application Number: 4,948

3 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:  4 DEPTH OF COMPLETED WELL: 560' ft. ELEVATION:
 Depth(s) Groundwater Encountered 1. ft. 2. ft. 3. ft.
 WELL'S STATIC WATER LEVEL 212' ft. below land surface measured on mo/day/yr 10-8-81
 Pump test data: Well water was 315' ft. after 4 hours pumping 1523 gpm
 Est. Yield gpm: Well water was ft. after hours pumping gpm
 Bore Hole Diameter. 26 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
 Was a chemical/bacteriological sample submitted to Department? Yes.....No...X.....; If yes, mo/day/yr sample was submitted
 Water Well Disinfected? Yes No X

5 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
 2 PVC 4 ABS 7 Fiberglass Threaded
 Blank casing diameter 16 in. to 560' ft., Dia 16 in. to ft., Dia in. to ft.
 Casing height above land surface. 16 in., weight 36.91 lbs./ft. Wall thickness or gauge No. 219
 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-PERFORATED INTERVALS: From 557 - 537' ft. to 271 - 251' ft., From 242 - 222' ft. to ft.
 From ft. to ft., From ft. to ft.
 GRAVEL PACK INTERVALS: From ft. to ft., From ft. to ft.
 From ft. to ft., From ft. to ft.

6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other
 Grout 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 Livestock pens 14 Abandoned water well
 1 Septic tank 4 Lateral lines 7 Pit privy 11 Fuel storage 15 Oil well/Gas well
 2 Sewer lines 5 Cess pool 8 Sewage lagoon 12 Fertilizer storage 16 Other (specify below)
 3 Watertight sewer lines 6 Seepage pit 9 Feedyard 13 Insecticide storage
 Direction from well? How many feet?

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
		SEE ATTACHED LOG			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) 10-6-81 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) 10-8-81 under the business name of Henkle Drilling & Supply Co., Inc. by (signature) [Signature]

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, Environmental Geology Section, Topeka, KS 66620. Send one to WATER WELL OWNER and retain one for your records.

OFFICE USE ONLY

DRILLERS TEST LOG

CUSTOMERS NAME Jeanette or Irene Nightengale **DATE** May 20, 1981
STREET ADDRESS Rt 1 Box 58 **TEST #** 1 **E. LOG** yes
CITY & STATE Copeland, Ks. 67846 **DRILLER** Mai
COUNTY Haskell **QUARTER** SW **SECTION** 33 **TOWNSHIP** 27 **RANGE** 31
LOCATION 100' West & North of old Well Gas line 40' South

Underground Water line 25' South

%	FOOTAGE		DESCRIPTION OF STRATA	Static Water Level
	From	Pay To		Proposed Well Depth
	0	4	Top Soil	190'
	4	23	Brown Clay	559'
	23	56	Brown Clay & fine sand	
	56	92	Sand, fine to med. coarse & sandy clay	
	92	105	Brown Clay	
	105	190	Sand, fine to med. coarse, small to large gravel, rough in places, uses water.	
70	190	42	242 Sand, fine to med. coarse, small to med. gravel, few small clay stks.	
	242	251	Brown clay	
60	251	17	268 Sand, fine to med. coarse, small & few med. gravel	
	268	275	Brown clay	
	275	360	Blue Clay	
	360	369	Blue sand, fine to med. coarse	
50	369	6	375 Sand, fine to med. coarse	
	375	380	Tan sandy clay & limerock	
50	380	14	394 Sand, fine to med. coarse, few small gravel sandy clay stks.	
	394	402	Brown sandy clay, sand stringers.	
40	402	13	415 Sand, fine to Med. sandy clay stringers	
	415	424	Brown sandy clay, sand stks.	
45	424	20	444 Sand, fine to med.	
	444	455	Brown sandy clay	
30	455	5	460 Limerock & fine sand	
	460	467	Brown clay, limerock ledges, sticky	
45	467	10	477 Sand, fine & small, few sandy clay stringers	
	477	492	Brown clay, limerock, sticky in places.	
35	492	5	497 Sand, fine	
	497	512	Brown clay sticky	
40	512	11	523 Sand, fine & small, few med.	
20	523	14	537 Sandy clay & sand fine & small	
75	537	20	557 Sand, fine to med. coarse, small to med. brown rock, rough few tan.	
	557	575	Hard brown clay	
	575	580	Gray soapstone & weathered shale stks.	
			2 Sacks Quik Gel	
			SET up WEST	
			Pits NORTH	

GARDEN CITY, KS
Phone 276-3278

HENKLE DRILLING & SUPPLY CO., INC.
IRRIGATION HEADQUARTERS

SUBLETTE, KS
Phone 675-4311

TEST HOLES * * * * * IRRIGATION & INDUSTRIAL WELLS * * * * * STOCK WELLS