

1 LOCATION OF WATER WELL	Fraction	Section Number	Township Number	Range Number
County: <u>Haskell</u>	<u>SW 1/4</u> <u>SE 1/4</u> <u>SE 1/4</u>	<u>1</u>	<u>T 28 S</u>	<u>R 31 E</u> (EW)
Distance and direction from nearest town or city? <u>Approx. 9 3/4 East and 10 1/2 North of Sublette, Ks.</u>		Street address of well if located within city?		

2 WATER WELL OWNER: Don Nightengale
 RR#, St. Address, Box # :
 City, State, ZIP Code : Copeland, Ks. 67837
 Board of Agriculture, Division of Water Resources
 Application Number: 31,007

3 DEPTH OF COMPLETED WELL: 525 ft. Bore Hole Diameter: 26 in. to 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: 185 ft. below land surface measured on February month 26 day 1981 year
 Pump Test Data: Well water was 207 ft. after 4 hours pumping. 1757 gpm
 Est. Yield 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 525 ft., Dia: 16 in. to ft., Dia: in. to ft.
 Casing height above land surface: in., weight 42.05 lbs./ft. Wall thickness or gauge No. 250

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 518 ft., Dia: in. to ft., Dia: in. to ft.
 Screen-Perforated Intervals: From 240 - 250 ft. to 256 - 296 ft., From 320 - 330 ft. to 361 - 371 ft.
 From 381 - 401 ft. to 418 - 518 ft., From ft. to ft.
 Gravel Pack Intervals: From 10 ft. to 525 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 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 No X
 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 February month 25 day 1981 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 March month 10 day 1981 year under the business
 name of Henkle Drilling & Supply Co., Inc. by (signature) Paul J. Reichmann

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 28
R 31
SEC.

DRILLERS TEST LOG

CUSTOMERS NAME Don Nightengale DATE Dec. 1, 1980
 STREET ADDRESS _____ TEST # 2 E. LOG Yes
 CITY & STATE Copeland, KS DRILLER Mai
 COUNTY Haskell QUARTER SE SECTION 1 TOWNSHIP 28 RANGE 31
 LOCATION 1320' N & 400' W of SE corner

%	FOOTAGE			DESCRIPTION OF STRATA	Static Water Level _____
	From	Pay	To		Proposed Well Depth _____
	0		2	Top Soil	
	2		50	Brown clay & caliche	
	50		70	Sand fine	
	70		83	Brown & tan clay & sand - fine	
	83		88	Sand - fine to med coarse	
	88		122	Brown & tan clay & caliche	
	122		142	Sand - fine to med coarse cemented few clay stks	
	142		150	Sand - fine to med coarse small to med gravel, rough	
	150		164	Brown clay very few sand stks	
65	164	15	195	Sand - fine to med coarse small & few med gravel, firm	
	195		204	Brown clay	
65	204	21	225	Sand - fine to med coarse small & few med gravel	
	225		232	Brown sandy clay	
60	232	16	248	Sand - fine to med coarse small & few med gravel	
	248		256	Brown & white clay & limerock ledges	
60	256	22	278	Sand - fine to med coarse small & few med gravel	
	278		288	Brown & white clay, limerock ledges	
55	288	10	298	Sand - fine to med coarse small & few med gravel	
	298		305	Cemented sand & clay stk	
35	305	11	316	Sand - fine to med coarse small & few med gravel cemented in places	
	316		327	Brown sandy & few brown clay stks	
55	327	9	336	Sand - fine to med coarse small gravel few small clay stks	
	336		350	Brown sandy clay, limerock & few small sand stks	
50	350	8	358	Sand - fine to med coarse small gravel	
	358		383	Brown & tan sandy clay, limerock & few sand stks	
	383		400	Brown clay limerock and few small sand stks	
25	400	16	416	Sand - fine to med & sand clay	
	416		427	Brown clay sticky	
	427		438	Brown sandy clay & sand - fine few med, few brown sandstone & white rock	
40	438	13	451	Sand - fine	
	451		458	Brown sandy clay	
70	458	30	488	Sand - fine to med coarse small to med brown & tan rock	
85	488	17	505	Brown sandstone & hard brown clay (Started to loose circ, 498 mixed 2/3 sack Bran)	
	505		520	White & yellow soapstone	
					2 sacks Quik-Gel
					2/3 sack Bran

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

TEST HOLE MAP

HENKLE DRILLING & SUPPLY CO., INC.

CUSTOMER Don Nightengale

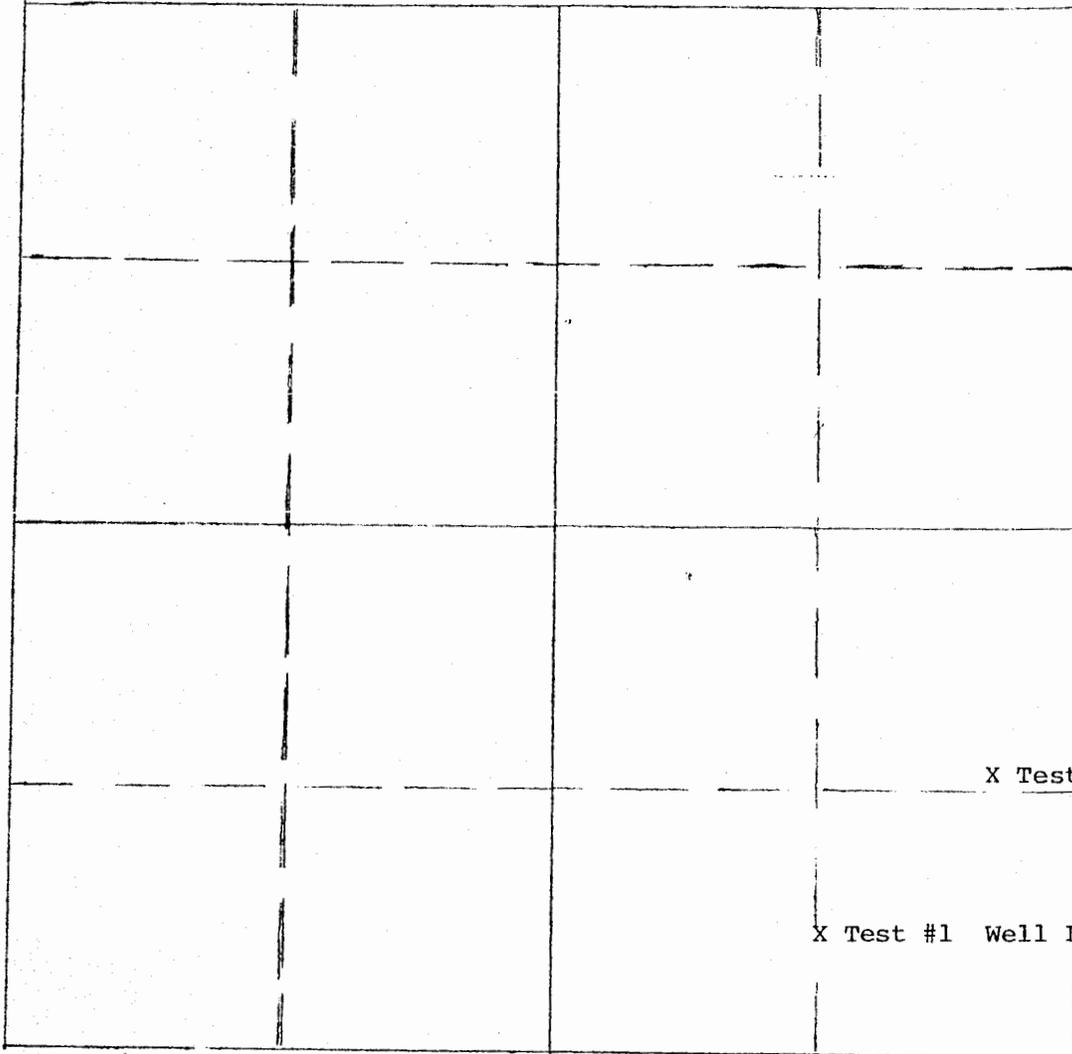
DATE 12-2-80

ADDRESS Copeland, KS

TEST NO: 1 & 2

COUNTY Haskell

QTR. SE SEC. 1 TWP. 28 RNG. 31



HENKLE DRILLING & SUPPLY CO.
INCORPORATED

DRILLER Tim Mai