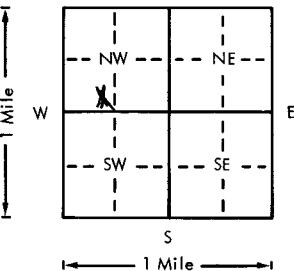


USE TYPEWRITER OR BALL POINT PEN-PRESS FIRMLY, PRINT CLEARLY.

WATER WELL RECORD
KSA 82a-1201-1215

Kansas Department of Health and Environment-Division of Environment
(Water well Contractors)
Topeka, Kansas 66620

1. Location of well:		County Haskell	Fraction SE 1/4 SW 1/4 NW 1/4	Section number 27	Township number T 27 S R 31	Range number 31	(EW)
2. Distance and direction from nearest town or city: Approximately 9 miles NW of Copeland, Kansas. Street address of well location if in city:				3. Owner of well: Emil Nightengale R.R. or street: Sublette, Kansas 67877 City, state, zip code:			
4. Locate with "X" in section below: Sketch map: 				6. Bore hole dia. <u>26</u> in. Completion date <u>12/5/77</u> Well depth <u>408</u> ft.			
5. Type and color of material				7. <input type="checkbox"/> Cable tool <input type="checkbox"/> Rotary <input type="checkbox"/> Driven <input type="checkbox"/> Dug <input type="checkbox"/> Hollow rod <input type="checkbox"/> Jetted <input type="checkbox"/> Bored <input checked="" type="checkbox"/> Reverse rotary			
				8. Use: <input type="checkbox"/> Domestic <input type="checkbox"/> Public supply <input type="checkbox"/> Industry <input checked="" type="checkbox"/> Irrigation <input type="checkbox"/> Air conditioning <input type="checkbox"/> Stock <input type="checkbox"/> Lawn <input type="checkbox"/> Oil field water <input type="checkbox"/> Other			
See Attachment				9. Casing: Material <u>Steel</u> Height: <u>(Above)</u> or below Threaded <input type="checkbox"/> Welded <input checked="" type="checkbox"/> Surface <u>12</u> in. RMP <input type="checkbox"/> PVC <input type="checkbox"/> Weight <u>36.91</u> lbs./ft. Dia. <u>16</u> in. to <u>408</u> ft. depth Wall Thickness: inches or Dia. <input type="checkbox"/> in. to <input type="checkbox"/> ft. depth gage No. <u>219</u>			
				10. Screen: Manufacturer's name <u>Doerr</u> Type <u>Louvered</u> Dia. <u>16"</u> Slot gauze <u>.125</u> Length <u>105'</u> Set between <u>263</u> ft. and <u>295</u> ft. <u>315 - 346</u> ft. and <u>366 - 408</u> ft. Gravel pack? <u>Yes</u> Size range of material <u>#1 Coarse</u>			
				11. Static water level: <u>150</u> ft. below land surface Date <u>12/7/77</u> mo./day/yr.			
				12. Pumping level below land surfaces: <u>172</u> ft. after <input type="checkbox"/> hrs. pumping <u>1800</u> g.p.m. <input type="checkbox"/> ft. after <input type="checkbox"/> hrs. pumping <input type="checkbox"/> g.p.m. Estimated maximum yield <u>1,800</u> g.p.m.			
				13. Water sample submitted: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date <input type="checkbox"/> mo./day/yr.			
				14. Well head completion: <input type="checkbox"/> Pitless adapter <u>12</u> Inches above grade			
				15. Well grouted? <u>Yes</u> With: <input type="checkbox"/> Neat cement <input checked="" type="checkbox"/> Bentonite <input type="checkbox"/> Concrete Depth: From <u>0</u> ft. to <u>10</u> ft.			
				16. Nearest source of possible contamination: <u>None</u> observed ft. <input type="checkbox"/> Direction <input type="checkbox"/> Type <input type="checkbox"/> Well disinfected upon completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
				17. Pump: <input checked="" type="checkbox"/> Not installed Manufacturer's name <input type="checkbox"/> Model number <input type="checkbox"/> HP <input type="checkbox"/> Volts <input type="checkbox"/> Length of drop pipe <input type="checkbox"/> ft. capacity <input type="checkbox"/> g.p.m. Type: <input type="checkbox"/> Submersible <input type="checkbox"/> Turbine <input type="checkbox"/> Jet <input type="checkbox"/> Reciprocating <input type="checkbox"/> Centrifugal <input type="checkbox"/> Other			
				(Use a second sheet if needed)			
18. Elevation: <u>X Flat</u> Topography: <input type="checkbox"/> Hill <input type="checkbox"/> Slope <input type="checkbox"/> Upland <input type="checkbox"/> Valley		19. Remarks:		20. Water well contractor's certification: This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief. Henkle Drilling & Sply 145 Business name License No. <input type="checkbox"/> Address Box 639, Garden City, KS Signed <u>Bruce J. Reichmitt</u> Date <u>12/14/77</u> Authorized representative			

T 27 S R 31 SE 1/4 NW

Forward the white, blue and pink copies to the Department of Health and Environment

Form WWC-5

DRILLERS TEST LOG

CUSTOMERS NAME Emil Nightengale DATE 10/24/77
 STREET ADDRESS _____ TEST # 1 E. LOG Yes
 CITY & STATE Sublette, Kansas DRILLER Martinex
 COUNTY Haskell QUARTER NW SECTION 27 TOWNSHIP 27 RANGE 31

LOCATION _____

%	FOOTAGE			DESCRIPTION OF STRATA	WELL LOCATION	
	From	Pay	To		Static Water Level _____	Proposed Well Depth _____
	0		2	Top Soil		
	2		21	Brown clay		
	21		30	Sand fine to med.		
	30		40	Brown clay		
	40		53	Sand fine to med.		
	53		60	Brown clay		
	60		78	Brown clay with a few limerock sts.		
70	78	103	243	Sand fine to med coarse, small to med size gravel. A few large gravel. Loose - used water. Very few clay sts.		
	243		261	Gray clay		
50	261	19	280	Sand fine to med coarse, a few small gravel. Loose - used water.		
70	280	13	293	Sand fine to med coarse, small to med gravel. Loose used water.		
	293		316	Brown clay with a few limerock sts.		
50	316	04	320	Sand fine to med coarse. Loose - used water.		
70	320	50	370	Sand fine to med coarse, small to med size gravel. Loose - used water.		
50	370	10	380	Sand fine to med coarse. Loose - used water.		
60	380	11	391	Sand fine to med coarse, small gravel. Loose - used water.		
	391		399	Brown clay		
55	399	07	406	Sand fine to med coarse, a few small gravel. Loose - used water.		
	406		436	Brown clay with a few limerock sts.		
40	436	05	441	Sand fine to med with a few clay sts. Loose - used some water.		
	441		490	Brown clay		
70	490	10	500	Sand fine to med coarse, small brown gravel with a few brown rock sts. Loose - used water.		
	500		506	Brown clay		
40	506	04	510	Brown clay with brown rock sts. - Hard.		
	510		520	Soapstone		
	520		537	yellow clay and soapstone.		
	537		540	Weather shale - hard.		
		236				
					TOTAL DEPTH OF WELL 513'	
					Set Rig up to the North	
					Pit on the East	

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