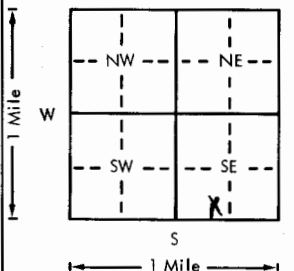


USE TYPEWRITER OR BALL POINT PEN-PRESS FIRMLY, PRINT CLEARLY.

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 SE 1/4	Section number 27	Township number T 27 S R 31 E W	Range number 31		
2. Distance and direction from nearest town or city: Approximately NE of Sublette, Kansas 13 miles. <small>Street address of well location if in city:</small>			3. Owner of well: Arnold Unruh R.R. or street: City, state, zip code: Copeland, Kansas 67837				
4. Locate with "X" in section below: <div style="text-align: center;">N 1 Mile W  E S 1 Mile</div>		Sketch map:		6. Bore hole dia. 26 in. Completion date _____ Well depth 543 ft. 3/23/78			
5. Type and color of material		From		To		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	
						9. Casing: Material Steel Height: <input type="checkbox"/> Above or below Threaded _____ Welded <input checked="" type="checkbox"/> Surface 12 in. RMP _____ PVC _____ Weight 42.05 lbs./ft. Dia. 16 in. to 543 ft. depth Wall Thickness: inches or Dia. _____ in. to _____ ft. depth gage No. .250	
						10. Screen: Manufacturer's name W.A. Brown Type louvered Dia. 16" <input checked="" type="checkbox"/> Slot/gauze .125 Length 220' Set between 230-380 ft. and 395-425 ft. 433-443/483-493/511-531 ft. Gravel pack? Yes Size range of material #1 Coarse	
						11. Static water level: _____ mo./day/yr. 165 ft. below land surface Date 3/27/78	
						12. Pumping level below land surfaces: 182 ft. after _____ hrs. pumping 1435 g.p.m. _____ ft. after _____ hrs. pumping _____ g.p.m. Estimated maximum yield 1,500 g.p.m.	
						13. Water sample submitted: _____ mo./day/yr. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date _____	
						14. Well head completion: <input type="checkbox"/> Pitless adapter 12 Inches above grade	
						15. Well grouted? Yes With: <input type="checkbox"/> Neat cement <input checked="" type="checkbox"/> Bentonite <input type="checkbox"/> Concrete Depth: From 0 ft. to 10 ft.	
						16. Nearest source of possible contamination: None ft. _____ Direction _____ Type Observed Well disinfected upon completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
17. Pump: <input checked="" type="checkbox"/> Not installed Manufacturer's name _____ Model number _____ HP _____ Volts _____ Length of drop pipe _____ ft. capacity _____ 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: <input checked="" type="checkbox"/> Flat 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. _____ Address Box 639, Garden City, KS Signed Bruce J. Reichmuth Date 3/29/78 Authorized representative				

27
 34
 22
 SE
 1/4
 SE
 1/4
 SE
 1/4
 SE

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

Form WWC-5

DRILLERS TEST LOG

CUSTOMERS NAME Arnold Unruh DATE 3/22/78
 STREET ADDRESS _____ TEST # 1 E. LOG Yes
 CITY & STATE Copeland, Kansas DRILLER Ractor
 COUNTY Haskell QUARTER SE SECTION 27 TOWNSHIP 27 RANGE 31
 LOCATION 1,350 ft West of the SE corner of the quarter.

%	FOOTAGE		DESCRIPTION OF STRATA	WELL LOCATION	
	From	Pay To		Static Water Level _____	Proposed Well Depth _____
	0	3	Top Soil		
	3	20	Brown clay		
	20	33	Sand fine to med coarse.		
	33	47	Brown clay		
	47	80	Sand fine to med coarse with small to med size gravel and brown sandy clay.		
	80	100	Sand fine to med coarse with small gravel.		
	100	110	Brown clay		
	110	200	Sand fine to med coarse with small to some large gravel. Drilled ragged - used water.		
80	200	75	275	Sand fine to med coarse with small to med size gravel, some large size also. (Very good - used alot of water) Mud heavy. Very few clay sts. did have a few ledges.	
	275	278	Brown clay and limerock.		
60	278	82	360	Sand fine to med coarse with small to med size gravel. Loose - used water. Good formation.	
65	360	25	385	Sand fine to med coarse with small to med size gravel. Drilled firm - had some cemented ledges. Gravel was black in sample. Used water.	
	385	394	Brown clay and limerock.		
65	394	33	427	Sand fine to med coarse with small to med coarse gravel. Loose - used water.	
	427	434	Brown clay		
55	434	08	442	Sand fine to med coarse with a few med size to small gravel. Loose - used water.	
	442	480	Brown clay and limerock with fine sand.		
55	480	16	496	Brown sandy clay with sand fine to med. Fairly loose - used alot of water.	
	496	500	Brown clay		
	500	515	Brown sandy clay and fine sand.		
80	515	25	540	Sand fine to med coarse, Small brown gravel with white/brown small rocks.	
	540	550	Brown clay and soapstone.		
		264			
				TOTAL DEPTH OF WELL	543'
				Set up facing	West
				Dig pit on the	North

GARDEN CITY, KS HENKLE DRILLING & SUPPLY CO., INC. SUBLETTE, KS
 Phone 276-3278 IRRIGATION HEADQUARTERS Phone 675-4311
 TEST HOLES * * * * * IRRIGATION & INDUSTRIAL WELLS * * * * * STOCK WELLS