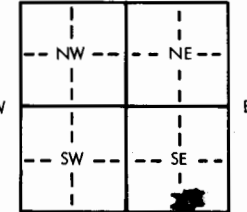


USE TYPEWRITER OR BALL
POINT PEN-PRESS FIRMLY,
PRINT CLEARLY.

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 SW 1/4 SE 1/4 SE 1/4	Section number 3	Township number T 29 S R 33 E W	Range number 33
2. Distance and direction from nearest town or city: Approximately 4 1/4 miles NW of Sublette, Kansas. Street address of well location if in city:			3. Owner of well: O. W. Longwood R.R. or street: 1800 North 49er Drive City, state, zip code: Tucson, Arizona 85715		
4. Locate with "X" in section below: <div style="text-align: center;">N 1 Mile W  E S 1 Mile</div>			Sketch map:		
5. Type and color of material			From	To	6. Bore hole dia. 26 in. Completion date 4/4/78 Well depth 607 ft.
See attachment					7. 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: 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: Above or below Threaded <input type="checkbox"/> Welded <input checked="" type="checkbox"/> Surface 12 in. RMP <input type="checkbox"/> PVC <input type="checkbox"/> Weight 42.05 lbs./ft. Dia. 16 in. to 607 ft. depth Wall Thickness: inches or Dia. <input type="checkbox"/> in. to <input type="checkbox"/> ft. depth gage No. .250
					10. Screen: Manufacturer's name W. A. Brown Type Louvered Dia. 16" Slot/gauze .125 Length 190' Set between 383 ft. and 443 ft. 460'-470' ft. and 487'-607' ft. Gravel pack? Yes Size range of material #1 Coarse
					11. Static water level: <input type="checkbox"/> mo./day/yr. 308 ft. below land surface Date 4/7/78
					12. Pumping level below land surfaces: 360 ft. after <input type="checkbox"/> hrs. pumping 1700 g.p.m. <input type="checkbox"/> ft. after <input type="checkbox"/> hrs. pumping <input type="checkbox"/> g.p.m. Estimated maximum yield 1,800 g.p.m.
					13. Water sample submitted: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date <input type="checkbox"/>
					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. <input type="checkbox"/> Direction <input type="checkbox"/> 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 <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
18. Elevation:	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 Bruce J. Richman Date 4/10/78 Authorized representative		

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

Form WWC-5

DRILLERS TEST LOG

CUSTOMERS NAME Dr. O. W. Longwood DATE 3-9-76
 STREET ADDRESS c/o Paul Brown TEST # 1 E. Log 610 ft.
 CITY & STATE Sublette, KS 67877 DRILLER Rector
 COUNTY Haskell QUARTER SE SECTION 3 TOWNSHIP 29 RANGE 33

LOCATION 1,100' West of SE Corner of 1/4

	DRILLED FOOTAGE			Description of Strata	WELL LOCATION
	From	Pay	To		Static Water Level Proposed Well Depth
	0		2	Top soil	
	2		20	Brown sandy clay	
	20		80	Brown clay, sticky	
	80		94	Sand and gravel	
	94		106	Brown sandy clay, caliche and sand	
	106		163	Sand fine med. coarse and small gravel, few large.	
				Loose. Used Water. Mud heavy.	
	163		170	Brown sandy clay and sand	
	170		183	Brown clay and caliche	
65	183	57	317	Sand fine med. coarse and small gravel. Loose.	
				Used lots of water. Mud heavy and very few fine	
				clay sts.	
40	317	13	330	Brown sandy clay and fine sand, med. gravel	
75	330	30	360	Sand fine med. coarse and small gravel. Loose.	
				Used lots of water. Mud med. heavy.	
70	360	16	376	Sand fine med. coarse, small gravel, small clay sts.	
				and false red bed sts., fairly loose, used lots of	
				water. Mud med. heavy.	
	376		427	Brown clay and lime rock	
70	427	16	443	Sand fine med. coarse, small gravel, very little	
				clay and lime rock, fairly loose. Used lots of	
				water.	
	443		458	Brown clay and lime rock (clay sticky)	
Fair	458	12	470	Sand fine med. coarse, brown clay and lime rock,	
				fairly loose. Used some water.	
	470		490	Brown clay and lime rock	
Good	490	40	530	Fine sand, sandy brown clay and some coarse sand.	
				Used water.	
	530		540	Brown clay and sand sts.	
75	540	39	579	Sand fine med. coarse, small brown gravel and some	
				tan rock (loose). Used lots of water. Very good.	
	579		583	Brown sandy clay	
80	583	22	605	Sand fine med. coarse, small brown gravel and	
				brown rock. Loose. Very good.	
	605		614	Brown clay, soapstone, and yellow clay (firm)	
	614		620	Blue shale	
				(Cont'd)	

GARDEN CITY, KANSAS HENKLE DRILLING & SUPPLY CO., INC. SUBLETTE, KANSAS
 PHONE 276-3273 IRRIGATION HEADQUARTERS PHONE 675-4311

TEST HOLES*****STOCK WELLS*****IRRIGATION AND INDUSTRIAL WELLS*****

Page 2

LOCATION 1,100' West of SE Corner of 1/4

EST HOLES*****STOCK WELLS*****REGULATION AND INDUSTRY INFORMATION