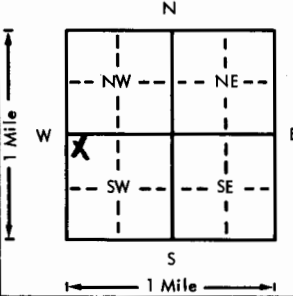


USE TYPEWRITER OR BALL POINT PEN—PRESS FIRMLY, PRINT CLEARLY.

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 Gray	Fraction NW 1/4 NW 1/4 SW 1/4	Section number 33	Township number T 24 S R 27	Range number 27																				
2. Distance and direction from nearest town or city: 8 1/2 mi North East of Cimarron, Kansas Street address of well location if in city:			3. Owner of well: John & Camilla Haviland R.R. or street: C/O Sidney Warner City, state, zip code: Cimarron, Kansas 67835																						
4. Locate with "X" in section below: Sketch map: 			6. Bore hole dia. 26 in. Completion date 8/2/77 Well depth 160 ft.																						
5. Type and color of material <table border="1" style="width:100%;"><thead><tr><th>From</th><th>To</th></tr></thead><tbody><tr><td colspan="2">See Attachment</td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr></tbody></table>			From	To	See Attachment																		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		
			From	To																					
			See Attachment																						
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: Above or below Threaded <input type="checkbox"/> Welded <input checked="" type="checkbox"/> Surface 12 in. RMP <input type="checkbox"/> PVC <input type="checkbox"/> Weight 31 lbs./ft. Dia. 16 in. to 160 ft. depth Wall Thickness: inches or Dia. <input type="checkbox"/> in. to <input type="checkbox"/> ft. depth Gauge No. 188																									
10. Screen: Manufacturer's name Johnson Screen Type Continuous Dia. 16" Not gauze .125 Length 40' Set between 100 ft. and 140 ft. <input type="checkbox"/> ft. and <input type="checkbox"/> ft. Gravel pack? Yes Size range of material 1/2" down																									
11. Static water level: <input type="checkbox"/> mo./day/yr. 91 ft. below land surface Date 8/4/77																									
12. Pumping level below land surfaces: 143 ft. after <input type="checkbox"/> hrs. pumping 1420 g.p.m. <input type="checkbox"/> ft. after <input type="checkbox"/> hrs. pumping <input type="checkbox"/> g.p.m. Estimated maximum yield 1,500 g.p.m.																									
13. Water sample submitted: <input type="checkbox"/> mo./day/yr. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> 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																									
(Use a second sheet if needed)																									
18. Elevation: x Flat	19. Remarks:																								
Topography: <input type="checkbox"/> Hill <input type="checkbox"/> Slope <input type="checkbox"/> Upland <input type="checkbox"/> Valley	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 Conrad Richards Date 8/5/77 Authorized representative																								

T 24 S R 27 E Sec 33 NW 1/4 SW 1/4

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

Form WWC-5

DRILLERS TEST LOG

CUSTOMERS NAME John & Camilla Haviland DATE 6-14-75
 STREET ADDRESS c/o Sidney Warner TEST # 1 E-Log Hole
 CITY & STATE Cimarron, Kansas DRILLER Lee
 COUNTY Gray QUARTER SW SECTION 33 TOWNSHIP 24 RANGE 27

LOCATION In northwest corner of the southwest 1/4.

*Well location
The Best Test*

%	DRILLED FOOTAGE			Description of Strata	Static Water Level Proposed Well Depth
	From	Pay	To		
	0		3	Top soil	
	3		40	Brown clay, few caliche st.	
	40		48	Caliche, limerock, hard ledges, used pull down.	
	48		56	Brown clay, broken rock, few sand st, cemented ledges, used pull down some.	
	56		67	Sand fine to med coarse, small gravel & cemented ledges.	
	67		74	Brown clay & sand st.	
	74		83	Sand fine to med coarse, few small gravel, very few clay st.	
	83		97	Brown clay, sand, broken rock.	
50	97	13	110	Sand fine to med, few coarse, very few clay st, loose in places.	
50	110	36	146	Sand fine to med coarse, some small gravel, used some water, loose in places, very few clay st.	
50	146	9	155	Sand fine to med coarse, small to med gravel, small to med white & tan rock.	
50	155	58	157	Tan clay & limerock, very hard, used pull down.	
	157		160	Shale; hard.	
<i>Total Depth of well 160 ft</i>					
<i>Set up best way</i>					

ARDEN CITY, KANSAS
PHONE 276-3276

HENKLE DRILLING & SUPPLY CO., INC.
IRRIGATION HEADQUARTERS

SUBLETTE, KANSAS
PHONE 675-4311