

1 LOCATION OF WATER WELL County: <u>Gray</u>	Fraction <u>NW</u> $\frac{1}{4}$ <u>SW</u> $\frac{1}{4}$ <u>SE</u> $\frac{1}{4}$	Section Number <u>34</u>	Township Number T <u>25</u> S	Range Number R <u>29</u> E <u>D</u>
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Distance and direction from nearest town or city? Approx 2 miles west of Ingalls  
Street address of well if located within city?

2 WATER WELL OWNER: Robert Hatcher  
RR#, St. Address, Box #: 1731 James Court  
City, State, ZIP Code: Liberal, ks.  
Board of Agriculture, Division of Water Resources  
Application Number:

3 DEPTH OF COMPLETED WELL: 16.5 ft. Bore Hole Diameter: 9 7/8 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 Approx 2.5 ft. below land surface measured on January month 24 day 1980 year  
 Pump Test Data: Well water was ..... ft. after ..... hours pumping ..... gpm  
 Est. Yield 2.5 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 .....  
 7 Fiberglass Threaded .....  
 Blank casing dia 5" in. to 16.5' ft., Dia ..... in. to ..... ft., Dia ..... in. to ..... ft.  
 Casing height above land surface 12" in., weight 2.9 lbs./ft. Wall thickness or gauge No. 265"

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 5" in. to 10.5' ft., Dia ..... in. to ..... ft., Dia ..... in. to ..... ft.  
 Screen-Perforated Intervals: From 9.5' ft. to 10.5' ft., From 14.5' ft. to 16.5' ft.  
 Gravel Pack Intervals: From 1.0' ft. to 16.5' 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 10' ft. to 7.5' ft., From ..... ft. to ..... ft.

What is the nearest source of possible contamination:  
 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) None observed  
 13 Watertight sewer lines  
 Direction from well ..... How many feet ..... ? Water Well Disinfected? Yes  No  
 Was a chemical/bacteriological sample submitted to Department? Yes ..... No  If yes, date sample was submitted ..... month ..... day ..... year: Pump Installed? Yes ..... No   
 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 January month 24 day 1980 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 January month 28 day 1980 year under the business name of Henkle Drilling & Supply Co. by (signature) Bruce J Reichmuth

7 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:

FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
		<u>See attached log</u>			

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  
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1/4  
1/4

DRILLERS TEST LOG

CUSTOMERS NAME ROBERT HATCHER DATE 1-24-80  
 STREET ADDRESS 1731 James Court TEST # 2 LOG-YES  
 CITY & STATE Liberal, KS. DRILLER RECTOR \_\_\_\_\_  
 COUNTY GRAY QUARTER SE SECTION 34 TOWNSHIP 25 RANGE 29

LOCATION 300' S of Test #1

or 1000' N of the SW corner of the  $\frac{1}{4}$  Sec. 34 (WELL LOCATION)

ft	DRILLED		FOOTAGE	DESCRIPTION OF STRATA	STATIC WATER LEVEL	
	FROM	PAY			PROPOSED WELL DEPTH	
	0		6	SURFACE		
	6		27	SAND & GRAVEL		
	27		40	BROWN CLAY & SANDY CLAY		
	40		60	SAND FINE TO MED. COARSE SMALL GRAVEL & VERY SMALL CLAY STKS.		
	60		70	SAND & SANDY CLAY		
	70		80	BROWN CLAY		
	80		90	BROWN SANDY CLAY & SAND		
55	90	18	108	SAND FINE TO MED. COARSE MED. SMALL GRAVEL VERY SMALL CLAY STKS.		
	108		130	BROWN CLAY & SMALL SAND STKS.		
	130		140	BROWN CLAY STICKY		
	140		145	BROWN SANDY CLAY & SAND		
60	145	5	150	SAND FINE TO MED. COARSE MED. SMALL GRAVEL & FEW TINY WHITE & TAN ROCK LOOSE USED WATER		
	150		157	BROWN CLAY		
65	157	5	162	SAND MED. COARSE SMALL GRAVEL & SMALL WHITE & TAN ROCK USED WATER		
	162		165	SOAP STONE		
	165		170	SHALE (HARD)		
				total depth 165'		
				165-145 Perf-20'		
				145-105 Plain-40'		
				105- 95 Perf-10'		
				95-10 Plain		
				mud off top water at 75' used 4-50 lbs bags Quick gel		
				Gravel Pack 3½ tons #1 fine Smith Sand		

HUNKLE DRILLING & SUPPLY CO., INC.

GARDEN CITY, KANSAS

SUBLETTE, KANSAS

Phone 276-3278

Phone 675-4311

TEST HOLES

DOMESTIC WELLS

STOCK WELLS

IRRIGATION & INDUSTRIAL WELLS