

1 LOCATION OF WATER WELL  
 County: JACKSON Fraction: NW 1/4 NW 1/4 SW 1/4 Section Number: 33 Township Number: T 6 S Range Number: R 14 E  
 Distance and direction from nearest town or city? 1.55 iw of Corderville Street address of well if located within city?

2 WATER WELL OWNER: Men SWITZER  
 RR#, St. Address, Box #: 101 LEONARD Board of Agriculture, Division of Water Resources  
 City, State, ZIP Code: ONAGA, KS. 66521 Application Number:

3 DEPTH OF COMPLETED WELL: 150 ft. Bore Hole Diameter: 12 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: 125 ft. below land surface measured on JANUARY 7 month 7 day 1981 year  
 Pump Test Data: Well water was ... ft. after ... hours pumping ... gpm  
 Est. Yield 50 gpm: Well water was ... ft. after ... hours pumping ... gpm

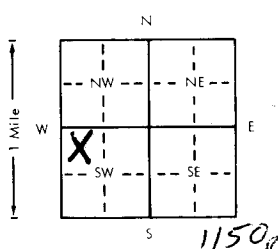
4 TYPE OF BLANK CASING USED:  
 1 Steel 3 RMP (SR) 5 Wrought iron 8 Concrete tile Casing Joints: Glued  Clamped ...  
 2 PVC 4 ABS 6 Asbestos-Cement 9 Other (specify below) Welded ...  
 7 Fiberglass Threaded ...  
 Blank casing dia: 5 in. to 0-135 ft., Dia: 5 in. to 145-150 ft., Dia: ... in. to ... ft.  
 Casing height above land surface: 24 in., weight: 286 lbs./ft. Wall thickness or gauge No. 250

TYPE OF SCREEN OR PERFORATION MATERIAL:  
 1 Steel 3 Stainless steel 5 Fiberglass 8 RMP (SR) 10 Asbestos-cement  
 2 Brass 4 Galvanized steel 6 Concrete tile 9 ABS 11 Other (specify) ...  
 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 ... ft., Dia: ... in. to ... ft., Dia: ... in. to ... ft.  
 Screen-Perforated Intervals: From: 135 ft. to 145 ft., From: ... ft. to ... ft., From: ... ft. to ... ft.  
 Gravel Pack Intervals: From: 10 ft. to 150 ft., From: ... ft. to ... 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: ... ft. to ... ft., From: ... ft. to ... ft.  
 What is the nearest source of possible contamination:  
 1 Septic tank 4 Cess pool 7 Sewage lagoon 11 Fertilizer storage 14 Abandoned water well  
 2 Sewer lines 5 Seepage pit 8 Feed yard 12 Insecticide storage 15 Oil well/Gas well  
 3 Lateral lines 6 Pit privy 9 Livestock pens 13 Watertight sewer lines 16 Other (specify below)  
 Direction from well: E How many feet: 225 ? Water Well Disinfected? Yes  No  
 Was a chemical/bacteriological sample submitted to Department? Yes  No ... If yes, date sample was submitted: JANUARY month 12 day 1981 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 7 day 1981 year and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 182  
 This Water Well Record was completed on JANUARY month 12 day 1981 year under the business name of STRADER DRILLING CO, Inc by (signature) Dale Eskren

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



FROM	TO	LITHOLOGIC LOG	FROM	TO	LITHOLOGIC LOG
0	3	TOP SOIL			
3	115	Clay, brown			
115	121	FINE SAND, blue			
121	137	Clay, blue			
137	143	Chert Gravel 1/4 x 1/2 x 1			
143	150	Shale, grey			

ELEVATION: 420

Depth(s) Groundwater Encountered 1. 137 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  
T  
R  
14  
EW  
SEC.  
33  
NW  
SW



# REPORT OF INORGANIC WATER ANALYSIS

STATE OF KANSAS  
DEPARTMENT OF HEALTH & ENVIRONMENT  
OFFICE OF LABORATORIES AND RESEARCH  
FORBES BLDG. 740, TOPEKA, KANSAS 66620

Address inquiries to:  
Division of Environment  
Mail samples to:  
Environmental Laboratories

Lab. No. 1829  
Acct. Oil Field

Copies To:  
Strader Drlg. Co.  
Rt. 1, Holton, 66436  
Ken Switzer  
101 Leonard, Onaga  
66521  
Brinkley-Oil Field

LOCALITY Jackson County COLLECTED BY Strader Drlg.  
DATE COLLECTED 1/7/81 DATE REC'D 1/13/81 DATE REPORTED JAN 27 1981

Remarks:

Lab. No. 1829  
Source: NW $\frac{1}{2}$  NW $\frac{1}{2}$  SW $\frac{1}{2}$   
Sec. 33-6-14E, Well  
Depth 150'  
Static - 125'  
Domestic well  
Foraker Ls or  
Hamlin Sh.

Results expressed in  
Milligrams Per Liter

	Lab. No. <u>1829</u> Source: <u>NW<math>\frac{1}{2}</math> NW<math>\frac{1}{2}</math> SW<math>\frac{1}{2}</math></u> <u>Sec. 33-6-14E, Well</u> <u>Depth 150'</u> <u>Static - 125'</u> <u>Domestic well</u> <u>Foraker Ls or</u> <u>Hamlin Sh.</u>	Lab. No. _____ Source: _____	Lab. No. _____ Source: _____
pH			
Total Hardness (as CaCO <sub>3</sub> )	851		
Calcium (Ca <sup>++</sup> )	227		
Magnesium (Mg <sup>++</sup> )	71		
Sodium (Na <sup>+</sup> )	900		
Total Alkalinity (as CaCO <sub>3</sub> )	318		
Chloride (Cl)	1250		
Sulfate (SO <sub>4</sub> )	690		
Nitrate (as N)	0.7		
Fluoride (F)	0.14		
Iron			
Manganese			

RECEIVED

JAN 28 1981

DIVISION OF ENVIRONMENT  
OF KANSAS

FD

CD

1 LOCATION OF WATER WELL  
 County: JACKSON  
 Distance and direction from nearest town or city? 1.55 iw of Circleville  
 Street address of well if located within city?

2 WATER WELL OWNER: Ken Switzer  
 RR#, St. Address, Box #: 101 LEONARD  
 City, State, ZIP Code: ONAGA, KS. 66521  
 Board of Agriculture, Division of Water Resources  
 Application Number:

3 DEPTH OF COMPLETED WELL: 150 ft. Bore Hole Diameter: 12 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: 125 ft. below land surface measured on JANUARY 7 month 7 day 1981 year  
 Pump Test Data: Well water was . . . . . ft. after . . . . . hours pumping . . . . . gpm  
 Est. Yield: 50 gpm: Well water was . . . . . ft. after . . . . . hours pumping . . . . . gpm

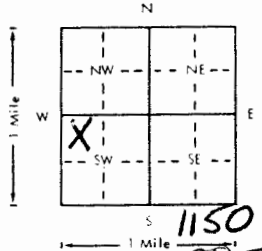
4 TYPE OF BLANK CASING USED:  
 1 Steel 3 RMP (SR) 5 Wrought iron 8 Concrete tile Casing Joints: Glued  Clamped . . . . .  
 2 PVC 4 ABS 6 Asbestos-Cement 9 Other (specify below) Welded . . . . .  
 7 Fiberglass Threaded . . . . .  
 Blank casing dia: 5 in. to 0-135 ft. Dia: 5 in. to 145-150 ft. Dia: . . . . . in. to . . . . . ft.  
 Casing height above land surface: 24 in., weight: 2.86 lbs./ft. Wall thickness or gauge No. 250

TYPE OF SCREEN OR PERFORATION MATERIAL:  
 1 Steel 3 Stainless steel 5 Fiberglass 8 RMP (SR) 11 Other (specify) . . . . .  
 2 Brass 4 Galvanized steel 6 Concrete tile 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 . . . . . ft. Dia: . . . . . in. to . . . . . ft. Dia: . . . . . in. to . . . . . ft.  
 Screen-Perforated Intervals: From: 135 ft. to 145 ft. From: . . . . . ft. to . . . . . ft. From: . . . . . ft. to . . . . . ft.  
 Gravel Pack Intervals: From: 10 ft. to 150 ft. From: . . . . . ft. to . . . . . 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: . . . . . ft. to . . . . . ft. From: . . . . . ft. to . . . . . ft.  
 What is the nearest source of possible contamination:  
 1 Septic tank 4 Cess pool 7 Sewage lagoon 11 Fertilizer storage 14 Abandoned water well  
 2 Sewer lines 5 Seepage pit 8 Feed yard 12 Insecticide storage 15 Oil well/Gas well  
 3 Lateral lines 6 Pit privy 9 Livestock pens 13 Watertight sewer lines 16 Other (specify below)  
 Direction from well: E How many feet: 225 ? Water Well Disinfected? Yes  No  
 Was a chemical/bacteriological sample submitted to Department? Yes  No . . . . . If yes, date sample  
 was submitted: JANUARY month 12 day 1981 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 7 day 1981 year  
 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 182  
 This Water Well Record was completed on JANUARY month 12 day 1981 year under the business  
 name of STRADER DRILLING CO, Inc by (signature) Dale Esker

7 LOCATE WELL'S LOCATION WITH AN "X" IN SECTION BOX:	FROM		TO		LITHOLOGIC LOG	FROM		TO		LITHOLOGIC LOG
		0	3	3	115	TOP SOIL				
	3	115	115	121	Clay, brown					
	115	121	121	137	FINE SAND, blue					
	121	137	137	143	CLAY, blue					
	137	143	143	150	CHERT GRAVEL 1/4 x 1/2 x 1					
	143	150			Shale, grey					



ELEVATION: 1120  
 Depth(s) Groundwater Encountered 1. 137 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.