

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

T R EW sec 1/4 1/4 1/4 No.

WATER WELL RECORD
KSA 82a-1201-1215

baa

Kansas State Dept. Of Health
(Water Well Contractors)
Forbes-Bldg. 740
Topeka, Kansas 66620

NE 1/4 NW 1/4

1 Location of well:	County Jackson	Township name Garfield	Fraction TRACT NW 1/4	Section number 18	Town number 75	Range number 16 E
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Distance and direction from nearest town or city: 4 1/2 S.E. Holton, KS.	3 Owner of well: Roger Turner
Street address of well location if in city:	Address: RFD 1 Holton, KS 66432

Locate with "X" in section below:

Sketch map:

80'
X 150'

4 Well depth: **112** ft. Date of completion **5-28-75**
Well diameter **8** in.

5 Cable tool Rotary Driven Dug
 Hollow rod Jetted Bored Reverse rotary

6 Use: Domestic Public supply Industry
 Irrigation Air conditioning Commercial
 Test well

7 Casing: Material **PVC** Height: above/below
Threaded Welded Surface **25** in.
Diam. Weight **2.33** lbs./ft.
5 in. to **113** ft. depth Drive shoe? Yes No
___ in. to ___ ft. depth

2	Type and color of material	From	To
	Top Soil	0	2
	Yellow Clay	2	4
	Grey Clay	4	6
	Coarse Hill gravel	6	12
	Grey Clay	12	25
	Grey Limestone	25	27
	Blue Shale	27	35
	Grey Limestone	35	38
	Blue Shale	38	46
	Sandstone	46	56
	Blue Shale	56	81
	Grey Limestone	81	84
	Blue Shale	84	88
	Grey Limestone	88	91
	Blue Shale	91	106
	Grey Limestone (use a second sheet if needed)	106	112

8 Screen:
Manufacturer **Pumpco.**
Type **PVC** Dia. **5"**
Slot/~~___~~ **.080** Length **___**
Set between ___ ft. and ___ ft. ___
Fittings:
Gravel pack Yes No Size range of material **1/2 x 1/8**

9 Static water level:
7 ft. below land surface Date **5-28-75**

10 Pumping level below land surfaces: **Air Test**
___ ft. after ___ hrs. pumping ___ g.p.m.
___ ft. after ___ hrs. pumping ___ g.p.m.
Estimated maximum yield **4** g.p.m.

11 Water sample submitted:
 Yes No Date ___

12 Well head completion: **Capped**
 Pitless adapter **25** inches above grade

13 Well grouted? Yes No
 Neat cement Bentonite ___
Depth: From **0** ft. to **10** ft.

14 Nearest source of possible contamination:
ft. **100** Direction **S.E.** Type **S.T.**
Well disinfected upon completion? Yes No

15 Pump: Not installed
Manufacturer's name ___
Model number ___ HP ___ Volts ___
Length of drop pipe ___ ft. capacity ___ g.m.p.
Type:
 Submersible Turbine
 Jet Reciprocating
 Centrifugal Other

16 Remarks: elevation
1054

Topography:
 Hill
 Slope
 Upland
 Valley

17 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.
Strader Drilling Co Inc 182
Business name License No. ___
Address **111 Holton, Kansas**
Signed **Walt Strader** Date **5-29-75**
Authorized representative

S. M. M. 105

57

Note: in ARMO at #15

USE TYPEWRITER OR BALL POINT PEN-PREPS 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

baa

1. Location of well:		County JACKSON	Fraction NE 1/4 NE 1/4 NW 1/4	Section number 18	Township number T 7 S R 16 E	Range number 16 E
2. Distance and direction from nearest town or city: Street address of well location if in city: 4 1/2 S.E. HOLTON, KS.			3. Owner of well: ROGER TURNER R.R. or street: RFD 1 City, state, zip code: HOLTON, KANSAS			
4. Locate with "X" in section below:		Sketch map:			6. Bore hole dia. 8 in. Completion date 2-11-76 Well depth 112 ft.	
					7. <input checked="" type="checkbox"/> Cable tool <input checked="" 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 type="checkbox"/> Reverse rotary	
5. Type and color of material					8. Use: <input checked="" type="checkbox"/> Domestic <input type="checkbox"/> Public supply <input type="checkbox"/> Industry <input 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 PVC Height: Above or below Threaded <input type="checkbox"/> Welded <input type="checkbox"/> Surface 27 in. RMP <input type="checkbox"/> PVC <input checked="" type="checkbox"/> Weight 2.33 lbs./ft. Dia. 5 in. to 112 ft. depth Wall Thickness: inches or Dia. <input type="checkbox"/> in. to <input type="checkbox"/> ft. depth gage No. 214	
					10. Screen: Manufacturer's name Pump Co Type PVC Dia. 5" Slot/gauge .080 Length 34' Set between 8 ft. and 22 ft. 42 ft. and 62 ft. Gravel pack? YES Size range of material 1/4 x 1/8	
					11. Static water level: <input type="checkbox"/> mo./day/yr. 7 ft. below land surface Date 5-28-75	
					12. Pumping level below land surfaces: AIR TEST <input type="checkbox"/> ft. after <input type="checkbox"/> hrs. pumping <input type="checkbox"/> g.p.m. <input type="checkbox"/> ft. after <input type="checkbox"/> hrs. pumping <input type="checkbox"/> g.p.m. Estimated maximum yield 4 g.p.m.	
					13. Water sample submitted: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date	
					14. Well head completion: CAPPED <input type="checkbox"/> Pitless adapter 24 inches above grade	
					15. Well grouted? YES With: <input checked="" type="checkbox"/> Neat cement <input type="checkbox"/> Bentonite <input type="checkbox"/> Concrete Depth: From 3 ft. to 8 ft.	
					16. Nearest source of possible contamination: ft. 100 Direction SE Type S.T. Well disinfected upon completion? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
					17. Pump: Owner <input type="checkbox"/> Not installed Manufacturer's name Installed 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: 1055		19. Remarks: Pump Installed by Owner			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. STRADER Drilling Co Inc. 182 Business name License No. Address RFD 1 Holton, KS Signed Earl C. Strader Date 3-22-76 Authorized representative	

- 2 16 E 28 NE NE NW
T R Sec 1/4 1/4 1/4

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

Form WWC-5

BR = 1030 I = 1048

ENVIRONMENTAL HEALTH LABORATORY

Results of Special Chemical Analyses

City Jackson County Shipper Dwight Brinkley Acct. Oil Field Lab. No. 76-1105

Date Received 1-28-76

Date Reported Feb 04 1976 Bottle No. Cube
Copy to: Dwight Brinkley

SOURCE AND REMARKS:

Well owned by Roger Turner, Route 1, Holton, Kansas
Jackson County NE NE NW Sec 18, T7S, R16E. Collected
1-27-76, by Dwight Brinkley

RESULTS EXPRESSED IN MILLIGRAMS PER LITER

Sp Cond <i>Parts Per Million</i>	pH	Boron
Total Solids <i>(ppm)</i>	Turbidity	Copper
T H (CaCO ₃) <i>✓</i> 112 2.24	Diss Oxygen	Lead
Calcium (Ca) <i>✓</i> 34 1.70	5 day 20°C BOD	Zinc
Magnesium (Mg) <i>✓</i> 6.6 0.54	Chem Oxy Demand	Hex Chromium
Sodium <i>✓</i> 40 1.72	Phosphate (PO ₄)	Cadmium
Potassium	Ammonia (N)	Silver
Alk (CaCO ₃) <i>✓</i> 118 2.36	Nitrite (N)	Mercury
Chloride <i>✓</i> 11 0.31	Total Org N	Arsenic
Sulfate <i>✓</i> 25 0.52	Detergent (LAS)	
Nitrate (NO ₃) <i>✓</i> 48 0.77	T Susp Solids	
Fluoride <i>✓</i> 0.3 0.02	F Susp Solids	
Total Iron <i>✓</i> 0.10	V Susp Solids	
Manganese <i>✓</i> 0.00	Silica (SiO ₂)	

WATER ANALYSIS REPORT

FOR: ROGER TURNER

COUNTY	CITY	STATE
JA	99999	4

*

Water samples collected by: DWIGHT BRINKLEY

DATE COLLECTED			DATE RECEIVED			ANALYSIS COMPLETED			RECORD NUMBER
01	27	76	01	28	76	01	30	76	00228
MONTH	DAY	YEAR	MONTH	DAY	YEAR	MONTH	DAY	YEAR	

USE RECORD NO. WITH ALL CORRESPONDENCE

TO: FROM: KANSAS STATE DEPARTMENT OF HEALTH
 ENVIRONMENTAL HEALTH SERVICES
 STATE OFFICE BUILDING
 TOPEKA, KANSAS 66612

Please note:

Coliform bacteria are used as pollution-indicating-bacteria since they are always present in human and animal wastes. These bacteria do not normally cause disease but their presence in water indicates the possible presence of disease producing organisms.

SOURCE OF WATER SAMPLE(S)	Chlorine Residual as Reported by Sample Collector	Number of coliform bacteria found to be present in terms of 100 ml of sample		LABORATORY NUMBER	Ship. No.
WATER WELL NENE NW SEC 18, T7S R16E RR HOLTON KS		LT	3 TC	D1391	01
		LT	3 FC	D1392	01
		LT	3 FS	D1393	01

FOR YOUR REPORT, READ PARAGRAPH BELOW INDICATED BY THE LETTER(S) APPEARING IN THIS COLUMN.

Explanation
 LT = Less than
 GT = Greater than

- A. Coliform bacteria were not found in the sample portion examined and the water may be considered suitable for drinking.
- B. Coliform bacteria were found in the sample portion examined in the number indicated. Steps should be taken to determine the source of pollution. After corrective measures have been taken, the sampling at this point should be repeated.
 - The following possible reasons for this pollution should be considered:
 1. Inadequate chlorination. A chlorine residual of at least 1.0 milligrams per liter should be maintained on the discharge side of the point of chlorine addition. An effort should be made to maintain a chlorine residual of at least 0.2 milligrams per liter throughout the distribution system.
 2. Recent water main repair without adequate disinfection of the repaired main.
 3. A cross-connection between the public supply and a private water supply.
 4. Poor sampling technique—non-representative sampling point; sampling tap not flamed; leaking tap; hands in contact with inner surface of bottle or cap.
- C. The excessive amount of bacterial growth found in the sample portion of water examined resulted in ill-defined colonies that could not be identified and counted with accuracy as coliform bacteria. This laboratory result is to be expected with inadequate chlorination or inadequate sanitizing of mains following repairs or poor housekeeping practices in the operation of the water supply.

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T H (CaCO ₃)	112	Diss Oxygen	Copper
Calcium (Ca)	34	5 day 20°C BOD	Lead
Magnesium (Mg)	6.6	Chem Oxy Demand	Zinc
Sodium	40	Phosphate (PO ₄)	Hex Chromium
Potassium		Ammonia (N)	Cadmium
Alk (CaCO ₃)	118	Nitrite (N)	Silver
Chloride	11	Total Org N	Mercury
Sulfate	25	Detergent (LAS)	Arsenic
Nitrate (NO ₃)	48	T Susp Solids	
Fluoride	0.3	F Susp Solids	
Total Iron	0.10	V Susp Solids	
Manganese	0.00	Silica (SiO ₂)	

ENVIRONMENTAL HEALTH LABORATORY

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City Jackson County Shipper Dwight Brinkley

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Fluoride	0.3 0.02	F Susp Solids			
Total Iron	0.10	V Susp Solids			
Manganese	0.00	Silica (SiO ₂)			