

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 Marion	Fraction NE 1/4 NE 1/4 NW 1/4	Section number 9	Township number T -21-5 S	Range number R 2 - 0W
2. Distance and direction from nearest town or city: Street address of well location if in city:			3. Owner of well: R.R. or street: City, state, zip code:		
4. Locate with "X" in section below: N W E S 1 Mile			Sketch map: 		
5. Type and color of material			From	To	6. Bore hole dia. <u>14</u> in. Completion date <u>9/16/75</u> Well depth <u>60</u> ft.
Loam to br. clay			0	3	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
br clay			3	10	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
Soft grey shale			10	15	9. Casing: Material <u>PVC</u> Height: Above or below Threaded <input type="checkbox"/> Welded <input checked="" type="checkbox"/> Surface <u>2 1/2</u> " in. RMP <input type="checkbox"/> PVC <input checked="" type="checkbox"/> Weight <u>3.22</u> lbs./ft. Dia. <u>6</u> in. to <u>60</u> ft. depth Wall Thickness: inches or Dia. <u> </u> in. to <u> </u> ft. depth gage No. <u>126</u>
green-grey shale			15	19	10. Screen: Manufacturer's name <u>CERT-Teed</u> <u>OWN SLOT</u> Type <u>PVC slotted</u> Dia. <u>6"</u> Slot/gauze <u>#0468</u> Length <u>40'</u> Set between <u>15'</u> ft. and <u>55'</u> ft. ft. and <u> </u> ft.
dark shale			19	21	11. Static water level: <u> </u> mo./day/yr. <u>11</u> ft. below land surface Date <u>9/16/75</u>
" Wellington shale			21	25	12. Pumping level below land surfaces: <u>50</u> ft. after <u>1</u> hrs. pumping <u>2 1/2</u> g.p.m. <u> </u> ft. after <u> </u> hrs. pumping <u> </u> g.p.m. Estimated maximum yield <u>2 1/2</u> g.p.m.
" " "			25	60	13. Water sample submitted: <u> </u> mo./day/yr. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date <u> </u>
					14. Well head completion: <input type="checkbox"/> Pitless adapter <input checked="" type="checkbox"/> <u>2 1/2</u> inches above grade
					15. Well grouted? <input checked="" type="checkbox"/> With: <input type="checkbox"/> Neat cement <input checked="" type="checkbox"/> Bentonite <input type="checkbox"/> Concrete Depth: From <u>15</u> ft. to <u>0</u> ft.
					16. Nearest source of possible contamination: ft. <u>60</u> Direction <u>West</u> Type <u>land water</u> Well disinfected upon completion? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
					17. Pump: <input checked="" type="checkbox"/> Not installed Manufacturer's name <u> </u> Model number <u> </u> HP <u> </u> Volts <u> </u> Length of drop pipe <u> </u> ft. capacity <u> </u> 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:	19. Remarks: BAD QUALITY - Low yield				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. <u>PAULIS INC</u> <u>175</u> Business name License No. Address <u>Box 26 Hession</u> Signed <u>Paul Paulis</u> Date <u> </u> Authorized representative
Topography: <input checked="" type="checkbox"/> Hill <input type="checkbox"/> Slope <input type="checkbox"/> Upland <input type="checkbox"/> Valley					

T 21
 R 2
 W 0
 Sec 9
 NE 1/4
 NE 1/4
 NW 1/4

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

Form WWC-5



DEPARTMENT OF HEALTH AND ENVIRONMENT

DWIGHT F. METZLER, Secretary

Topeka, Kansas 66620

September 12, 1975

Melvin Litwiller
Route 2, Box 76
Hillsboro, Kansas 67063

Re: Water Sample Collected from Well Constructed By Paul's Inc.,
Hesston, Kansas, Located NE NE NW Sec. 9-21S-2E, Marion County.

Dear Mr. Litwiller:

Below are the results of the chemical analysis of the well water we collected on August 26, 1975.

Total Hardness (as CaCO ₃)	-	1749.	mg/l or
		102.3	grains/gal
Calcium (as Ca)	-	472.	mg/l
Magnesium (as Mg)	-	139.	mg/l
Sodium	-	70.	mg/l
Total Alkalinity (as CaCO ₃)	-	218.	mg/l
Chloride	-	25.	mg/l
Sulfate	-	1580.	mg/l
Nitrate (as NO ₃)	-	2.6	mg/l
Fluoride	-	0.9	mg/l
Iron	-	0.02	mg/l
Manganese	-	0.00	mg/l

This water has very poor mineral quality. It is extremely hard and highly mineralized with sulfate. As drinking water the very high sulfate content will act as a laxative and give a bitter taste. U.S. Public Health Standards recommend the maximum limit of sulfate content be 250 mg/l. Total Hardness of 1749 mg/l will consume soap, form soap curd, cause scale in your water heater and pipes.

If you have any questions pertaining to the above please feel free to contact us.

Sincerely yours,

DIVISION OF ENVIRONMENT

Dwight W. Brinkley, Geologist
Oil Field and Environmental
Geology Section

DWB:jd

cc: Charles A. Penner, Sanitarian
Paul Burckhart

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