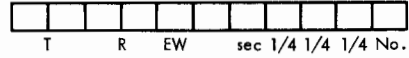


USE TYPEWRITER OR BALL
POINT PEN-PRESS FIRMLY,
PRINT CLEARLY.



WATER WELL RECORD
KSA 82a-1201-1215

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

ddd

1 Location of well:	County Jackson	Township name	Fraction SE-SE-Se	Section number 21	Town number T9S	Range number R14E
Distance and direction from nearest town or city: Street address of well location if in city:			3 Owner of well: Williams, Ira M. Address: Route Delia, Kansas			
Locate with "X" in section below: 		Sketch map: _____ _____ _____		4 Well depth: <u>50</u> ft. Date of completion <u>2/23/76</u> Well diameter <u>10</u> in.		
5 <input checked="" 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 type="checkbox"/> Reverse rotary						6 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"/> Commercial <input type="checkbox"/> Test well <input type="checkbox"/> _____
7 Casing: Material <u>PVC</u> Height: above/below Threaded <input type="checkbox"/> Welded <input type="checkbox"/> Surface <u>4 1/2</u> in. Diam. _____ Weight <u>300</u> lbs./ft. _____ _____ in. to _____ ft. depth Drive shoe? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No _____ in. to _____ ft. depth						
2 Type and color of material				From	To	
Top Soil				0	2	
Yellow Clay				2	6	
Yellow Clay Sand				6	11	
Yellow Clay with coarse gravel				11	17	
Gray Shale and Lime Rock				17	24	
Sand Shale				24	32	
Gray Shale				32	34	
Blue Lime				34	38	
Blue Shale				38	50	
8 Screen: Manufacturer <u>Modern Pipe</u> Type <u>PVC</u> Dia. <u>5"</u> Slot/gauze _____ Length <u>20</u> Set between <u>30</u> ft. and <u>50</u> ft. <u>20</u> Fittings: Gravel pack <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Size range of material _____						
9 Static water level: <u>4</u> ft. below land surface Date <u>2/23/76</u>						
10 Pumping level below land surfaces: _____ ft. after _____ hrs. pumping _____ g.p.m. _____ ft. after _____ hrs. pumping _____ g.p.m. Estimated maximum yield <u>1 1/2</u> g.p.m.						
11 Water sample submitted: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date _____						
12 Well head completion: <input checked="" type="checkbox"/> Pitless adapter <input type="checkbox"/> Inches above grade						
13 Well grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Neat cement <input type="checkbox"/> Bentonite <input type="checkbox"/> _____ Depth: From <u>2</u> ft. to <u>12</u> ft.						
14 Nearest source of possible contamination: ft. <u>40</u> Direction <u>North</u> Type <u>Stream</u> Well disinfected upon completion? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No						
15 Pump: <input type="checkbox"/> Not installed Manufacturer's name <u>Pumpco</u> Model number _____ HP <u>1/2</u> Volts <u>230</u> Length of drop pipe <u>44</u> ft. capacity <u>10</u> g.m.p. Type: <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Turbine <input type="checkbox"/> Jet <input type="checkbox"/> Reciprocating <input type="checkbox"/> Centrifugal <input type="checkbox"/> Other						
16 Remarks: elevation <u>1000</u> Slab to be installed by customer Topography: <input type="checkbox"/> Hill <input type="checkbox"/> Slope <input type="checkbox"/> Upland <input checked="" type="checkbox"/> 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. Business name <u>Cummins Drilling</u> License No. _____ Address <u>Rt 10, Delia, KS</u> Signed _____ Date <u>2/23/76</u> Authorized representative		

9 14E 21 SE SE SE

Forward the white, blue and pink copies to the Kansas State Dept. Of Health.

Form WWC-5



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. 2160-2163
 Acct. Oil Field
 Copies To:
Oil Field

LOCALITY Jackson County COLLECTED BY Gary Blackburn
 DATE COLLECTED 4/1/80 DATE REC'D 4/7/80 DATE REPORTED APR 23 1980

Remarks:

Lab. No. <u>2160</u>	Lab. No. <u>2161</u>	Lab. No. <u>2162</u>	Lab. No. <u>2163</u>
Source: <u>Ira M. Williams</u>	Source: <u>Richard Lewman</u>	Source: <u>Jim Louvarn</u>	Source: <u>Ed Mosher</u>
<u>SE SE SE 21-9-14E</u>	<u>NW SW SW 11-9-13E</u>	<u>NW SE NW 14-7-14E</u>	<u>SW NE 32-9-16E</u>

Results expressed in
 Milligrams Per Liter

pH				
Total Hardness (as CaCO ₃)	120	891	624	309
Calcium (Ca ⁺⁺)	32	250	171	86
Magnesium (Mg ⁺⁺)	9.8	65	48	23
Sodium (Na ⁺)	68	122	70	192
Total Alkalinity (as CaCO ₃)	76	276	340	354
Chloride (Cl)	60	85	35	170
Sulfate (SO ₄)	96	685	358	126
Nitrate (as N)	1.1	13	3.6	0.1
Fluoride (F)	1.3	0.8	0.59	0.44
Iron	0.08	0.09	0.09	0.13
Manganese	0.01	0.08	0.01	0.06

F-D