

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 Jackson	Fraction NW 1/4 SW 1/4 NW 1/4	Section number 14	Township number T 7 S R 14 E	Range number 14 E
2. Distance and direction from nearest town or city: 5 W 1 1/4 S			3. Owner of well: Jim Louvorn			
Street address of well location if in city: Holtan			R.R. or street: RR			
			City, state, zip code: Holtan, Kansas			
4. Locate with "X" in section below:		Sketch map:		6. Bore hole dia. 5 in. Completion date 6-9-77		
				Well depth 140 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		
				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 24 in.		
				RMP <input type="checkbox"/> PVC Blue Weight 274 lbs./ft.		
				Dia. 5 in. to 140 ft. depth; Wall Thickness: inches or		
				Dia. <input type="checkbox"/> in. to <input type="checkbox"/> ft. depth; gage No. 1258		
5. Type and color of material		From	To	From	To	10. Screen: Manufacturer's name Fumpro
Top soil		0	2	Brown Shale	81	84
Brown Clay		2	4	Gray Shale	84	87
Tan Shale		4	9	Brown Shale	87	89
Tan Shale/Limestone		9	12	Gray Shale	89	107
Tan Shale		12	20	Gray limestone	107	111
Yellow Shale/Limestone		20	26	Gray Shale	111	121
Gray Shale		26	35	Gray limestone	121	123
Black Shale		35	37	Gray Shale	123	124
Gray limestone		37	38	Gray limestone	124	125
Gray Shale		38	52	Brown Shale	125	128
Gray limestone		52	54	Gray Shale	128	140
Gray Shale		54	65			
Gray limestone		65	66			
Black Shale		66	69			
Gray Shale/Limestone		69	81			
		(Use a second sheet if needed)				
11. Static water level: 24 ft. below land surface Date 6-9-77						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 14 g.p.m.
						13. Water sample submitted: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Date
						14. Well head completion: Top Cap
						<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 0 ft. to 10 ft.
						16. Nearest source of possible contamination: ft. 200 Direction SE Type laterals
						Well disinfected upon completion? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
						17. Pump: <input checked="" type="checkbox"/> Not installed
						Manufacturer's name Jacuzzi
						Model number 5548 HP 1/2 Volts 230
						Length of drop pipe 130 ft. capacity 10 g.p.m.
						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
18. Elevation: 1180		19. Remarks: Owner will construct cement slab covered well, Owners observation of test hole - water static raised -94' to 72' in 45 @ .22' at a rate of 1/2 gpm.		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.		
Topography: <input checked="" type="checkbox"/> Hill <input type="checkbox"/> Slope <input type="checkbox"/> Upland <input type="checkbox"/> Valley				SIGNED DALE GIBSON License No. 152		
				Business name RTI Holtan, KS		
				Address RTI Holtan, KS		
				Signed Dale Gibson Date 6-12-77		
				Authorized representative		



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

	2160	2161	2162	2163
pH				
Total Hardness (as CaCO ₃)	120	871	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