

API # 15-053-20323
WELL LOG

RECEIVED
STATE CORPORATION COMMISSION

JUL 19-14-9W
5 1973

CONSERVATION DIVISION
Wichita, Kansas

FRED MERRILL NO. 1

Location: The center of the $W\frac{1}{2}$, $SW\frac{1}{4}$ of the $NE\frac{1}{4}$ of
Section 19, Township 14 South, Range 9W
West of the 6th P. M. ELLSWORTH COUNTY,
KANSAS

Commenced under
surface: April 10, 1973

Operator: Wilson Exploration & Development, Inc.
P. O. Box 338, Wilson, Kansas 67490

Completed: April 18, 1973
2:07 p. m.

Contractor: Wilson Exploration & Development, Inc.
P. O. Box 338, Wilson, Kansas 67490

Elevation: none surveyed
but estimated
at 1670 K. B.

Casing: 197 feet of 8 - 5/8ths cemented with
75 sacks of cement by Halliburton pump truck

Production: Dry hole

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(Figures indicate bottom of formation except where indicated otherwise)

Samples & time log

Sappa & Grand Island formation	59	Burlingame lime top	2263
Dakota	145	Howard lime top	2332
Kiowa	265	TOPEKA, WILSON	
Harper silt	425	CREEK LIME TOP	2414
Ninnescah shale	595	Queen Hill shale top	2579
Hutchinson salt top	865	HEEBNER SHALE TOP	2670
" " base	1225	Toronto lime top	2691
Herrington lime top	1225	Iatan lime top	2775
Towanda lime top	1345	LANSING LIME top	2801
Ft. Riley lime top	1375	Wilson Creek zone top	2825
Neva lime top	1725	" base	2830
Foraker lime top	1840	Vilas shale base	2853
Grandhaven lime top	2037	Total depth of well	2853
First Tarkio Sand top	2042		
(Root shale of KGS)			
Dover lime	2062		
Second Tarkio section top	2077		
Stotler lime top	2124		
Zeandale lime top	2185		

At 2420 feet after circulating 1 hour, recovered 50% off-white chalky limestone with a trace of off-white cherty limestone plus a trace of off-white crystalline limestone with no shows of free oil, live oil stain or odor but a very light dead stain in a few pieces. This Topeka Wilson Creek lime zone is from 2416 to 2420 feet on the unadjusted time log.

At 2826 [2829] feet after circulating one hour with a 38 mud viscosity, recovered light gray-tan oolitic to sub-oolicastic limestone, medium grained oolcasts 20% and oolitic 70% with most oolcasts not contiguous and did contain considerable chalk matrix with NO SHOWS, STAINS OR ODORS. These samples are from the so ft porous zone at 2822 to 2827 (+3) feet on the time log. At 2750 feet, the drill-pipe was measured and found to be 3 feet deeper. No drill-stem-tests were taken. no cores & no electric logs.