

December 20, 1975

Kramer & Hardesty
Suite 1800 Western Federal Bldg.
Denver, Colorado 80202

GEOLOGICAL WELL REPORT

Kramer & Hardesty
#1 James, 100' South of C W/2 SE/4
Section 24-T19S-R16E, Wildcat,
Coffey County, Kansas
Contractor: Alco Drilling Co., Inc.
Spud: Dec. 13, 1975
Completed as dry hole Dec. 17, 1975
Total Depth: 2059'

Gentlemen:

Listed below are the pertinent geological tops and an evaluation of the porosities encountered. No drill stem tests were taken but the hole was logged mechanically before being abandoned.

I arrived at the location at a depth of 1564 and witnessed the drilling from that point to T.D. 2059. Samples were examined from 1275-2059 T.D.

Enclosed herewith is a copy of the plotted drilling time log from 600 - 2059 T.D. which also includes lithology, porous zones, tops, and other pertinent data.

ELECTRIC LOG TOPS

ELEVATION	1162 G.L. (From USGS topog sheet)
HEEBNER	90 (+ 1072)
DOUGLAS	122 (+ 1040)
LANSING	440 (+ 722)
KANSAS CITY	744 (+ 418)
BASE OF KANSAS CITY	858 (+ 304)
ALTAMONT	1040 (+ 122)
PAWNEE	1087 (+ 75)
CHEROKEE	1190 (- 25)

F. B. WRIGHT COMPANY

1995

MISSISSIPPIAN LIMESTONE

1538 (- 376)

1542-46 Dolomite, tan, sucrosic to coarse cavernous. Good porosity, no show.

1567-74 Dolomitic limestone, buff, finely crystalline to sucrosic. Fair porosity, no show.

1610-34 Dolomite, buff, coarsely crystalline, excellent cavernous porosity, no show.

OSAGE

1660 (- 498)

CHOTEAU

1730 (- 568)

KINDERHOOK SHALE

1886 (- 724)

BASE OF CHATTANOOGA-VIOLA

1928 (- 766)

1939-46 Dolomite, tan to light gray, medium crystalline to sucrosic. Some fair cavernous porosity, no show.

SIMPSON SAND

1978 (- 816)

1978-2054 Mostly white, rounded, well sorted, loose, porous sandstone. No show.

ARBUCKLE

2054 (- 892)

2118-44 Dolomite, tan to buff and brown, medium to coarsely crystalline, cherty. No show.

TOTAL DEPTH

2059 Rotary
GRN LOG to 2054.

CONCLUSIONS AND RECOMMENDATIONS

Due to the lack of sub-surface control in the area no local structural comparison can be made, however, from the dry holes 4 to 6 miles distant to the southeast and northwest, it would appear that the test is regionally normal structurally. It was considered somewhat anomolous that a relatively thick Viola section as well as a long Simpson Sand were drilled. The significance of this is not known however.

No shows were observed and the hole was abandoned as dry.

Subsequent to logging at 2055 T.D., The hole was deepened to 2059 TD to verify the top of the Arbuckle.

Yours very truly,

T. G. Wright

TGW:wlr

DRILLING PROGRESS

12/13/75	Spud		
12/14	925		
12/15	1558		
12/16	1826		
12/17	2059	T.D.	D&A

BIT RECORD

Williams	(Retip)	200 - 847	
Williams	(Retip)	847 - 1016	
Williams	(Retip)	1016 - 1554	
Smith	F-4 (rerun)	1554 - 2059	T.D.



