

August 25, 1977

GEOLOGICAL WELL REPORT

Brunson-Spines, Inc. & Magnum Land Corporation
#1 Schrader, SE SW SE Section 21-T.18S-R.15E,
Wildcat, Coffey County, Kansas
Contractor: Alco Drilling Co., Inc.
Spud: August 13, 1977
7" Surface Casing @ 57'
Completed as Dry Hole Aug. 18, 1977
Total Depth: 2200' Rotary
Logged to 2197' in Drill Pipe

Brunson-Spines, Inc.
615 Fourth Financial Center
Wichita, Kansas 67202

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 1270' and witnessed the drilling from that point to TD 2200'. Samples were examined from 600-2200' TD.

Enclosed herewith is a copy of the plotted drilling time log from 100-2200TD which also includes lithology, porous zones, tops, and other pertinent data.

GRN LOG TOPS

EVALUATION	1140	GL (Private Elevation)
HEEBNER SHALE	302	(+ 838)
DOUGLAS	328	(+ 812)
LANBING	636	(+ 504)
KANSAS CITY	820	(+ 320)
BASE OF KANSAS CITY	1026	(+ 114)

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PAWNEE	1184 (- 44)
CHEROKEE	1307 (- 167)
UPPER SQUIRREL SANDSTONE	
1308-14	Sandstone, fine, light gray, fairly clean, tight to fairly porous, no show.
MISSISSIPPIAN LIMESTONE	1674 (- 534)
1712-24, 1734-54, and 1764-74	Dolomite and dolomitic limestone, tan, finely crystalline to sucrosic, good cavernous porosity, no show.
1784-96	Limestone, tan, coarsely crystalline, calcitic, fair porosity, no show.
OSAGE	1818 (- 678)
BASE OF OSAGE CHERT	1893 (- 753)
KINDERHOOK SHALE	2040 (- 900)
BASE OF CHATTANOOGA - VIOLA	2120 (- 980)

NOTE: No significant porosity developed.

SIMPSON SAND	2172 (-1032)
2172-200	Sandstone, white to gray, rounded, medium grained, loosely cemented to loose grains. Good porosity, no show.
TOTAL DEPTH:	2200 Rotary 2197 Log

Conclusions & Recommendations

The subject well, based on scattered control, appears normal to slightly lower than normal on the top of the Mississippian Limestone. The most condemning feature, however, is the complete lack of Cherokee Sands; the Cherokee section being entirely shale except for thin, dirty, sandy streaks. On the Viola top this well looks to be low regionally and no significant porosities are developed. The Simpson Sand is well developed but carries no shows.

The well was recommended plugged as a dry hole due to the lack of "oil shows".

Yours very truly,

T. G. Wright

TGW:wlr

BIT RECORD

Williams	(Retip)	60 - 797
Smith	(rerun)	797 - 1677
Smith F4	(Rerun	1677 - TD

DRILLING PROGRESS

8/13/77	Spud	
8/14	560	
8/15	1242	
8/16	1800	
8/17	2029	
8/18	TD	D&A