

March 31, 1980

GEOLOGICAL WELL REPORT

Brunson-Spines #1

R. Meyers, NE NE NE

Section 35 - T3S. - R.20E.,

Wildcat, Doniphan Co., Ks.

Contractor: Alco Drilling Co., Inc.

Spud: March 14, 1980

7" Surface Casing @ 170'

Completed as a dry hole: March 18, 1980

Total Depth: 1710'

BRUNSON-SPINES, INC.

525 Fourth Financial Center

Wichita, Kansas 67202

Gentlemen:

Listed below are the pertinent geologic tops and an evaluation of the porosities encountered. No drill stem tests were taken and the hole was not logged electrically before abandonment.

I arrived at the location at a depth of 820' and witnessed the drilling from that point to TD 1710'. Samples were examined from 175-1710'TD.

Enclosed herewith is a copy of the plotted drilling time log which also includes lithology, tops and other pertinent data.

SAMPLE TOPS

ELEVATION 1060 G.L. (Est.)

LANSING 525 (+ 535)

BASE OF KANSAS CITY 830 (+ 230)

NOTE: No sand development throughout Hepler section.

CHEROKEE 1040 (+ 20)

1245-53 and 1261-1385

Sandstone fine, fairly clean, loosely clustered, good porosity, no show, no fluorescence, grading downward into coarser, cleaner sandstone, loose grained and extremely porous, no show or fluorescence.

1430-50

Sandstone, fine, white, clustered. Good porosity, no show or fluorescence.

G. WRIGHT  
CORPORATION  
1980

March 31, 1980

- 1422-95 Clean, white, clustered sandstone, no show.
- 1510-11 Sandstone, light gray, fine to very fine compact, tight, poor porosity, no show.
- 1647-52 and 1656-64 Sandstone, clean, medium coarse, rounded, loosely cemented with leached white limestone, some oolitic included in the sand. No show, no fluorescence.

MISSISSIPPIAN LIMESTONE

1681 (- 621)

No porosity developed in Mississippian section penetrated.

TOTAL DEPTH:

1710'

Conclusions and Recommendations

This test was drilled with the Hepler Sandstone expected at around 850 feet to be developed, however the Hepler Sand does not occur at this location.

Numerous good sand reservoirs were observed in the Cherokee section but none carried "shows" or fluorescence and were not tested by drill stem test.

The Mississippian Limestone penetrated was hard and dense with no reservoir developed.

The well was recommended abandoned as a dry hole.

Very truly yours,

T. G. Wright

TGW:wlf

DRILLING PROGRESS

|             |      |     |
|-------------|------|-----|
| 3/14/80     | Spud |     |
| 3/15/80     | SD   |     |
| 3/16/80     | SD   |     |
| 3/17/80     | 559  |     |
| 3/18/80     | 1444 |     |
| Total Depth | 1710 | D&A |

BIT RECORD

SECURITY SF<sub>2</sub> (rerun) 170 - 1710'