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CONSULTING GEOLOGIST
310 UNION CENTER
WICHITA 2, KANSAS

GEOLOGICAL WELL REPORT

BRUNSON-SPINES

No. 50 JOHNSON

CS/2 N/2 of SECTION 23-T24S-R12E

VIRGIL AREA

GREENWOOD COUNTY, KANSAS

By

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March 19, 1963

BRUNSON-SPINES No. 50 JOHNSON
CS/2 N/2 of Section 23-T24S-R12E
Virgil Area
Greenwood County, Kansas

Contractor: H & C Drlg. Co.
Spud: 3-2-63
8-5/8" Surface Casing at 102'
5-1/2" Oil String at 1759'
Total Depth: 1761'
Rotary Completion: 3-7-63

Brunson-Spines
302 Union Center
Wichita 2, Kansas

Gentlemen:

Following are the pertinent geological tops, and an evaluation of the porosities encountered in the captioned well.

I arrived at the location at a depth of 1474 and witnessed the drilling from that point to total depth of 1761 feet. Samples were examined from 900-1050 and 1350 to total depth. No drill stem tests were taken and the hole was not logged electrically before being cased.

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

ELEVATION: 1111 K.B., 1106 Ground

IN KANSAS CITY

| | |
|---------|---|
| 926-929 | Limestone, tan crystalline to oolitic. Fair porosity and stain in crystalline porosity but white in the oolitic zone. |
| 935-943 | Limestone, white, oolitic, good porosity, no show. |
| 977-985 | Limestone, tan, oolitic, porous, no show. |

Base KANSAS CITY 1032 (+79)

PERU SAND 1398 (-287)

1398-1407 Sandstone, medium fine, clustered, clean,
good porosity, no show.

CATTLEMEN SAND 1521 (-410)

1521-1526 Sandstone, medium grained, clustered, clean
mostly loosely lime-cemented. No show.

MISSISSIPPIAN LIMESTONE 1697 (-586)

1698-1706 Dolomite, buff-gray, sucrosic. Some good
porosity and staining.

1706-1717 Dolomite, more coarsely crystalline than
above. Good cavernous and intercrystalline
porosity. Good show of oil.

1735-1738 Dolomite, gray, medium crystalline, minor
porosity and stain.

TOTAL DLPTH 1761

The captioned well is a development well in the Virgil Pool. Structurally on the Mississippian the well is in good position. The quality of the show is good and the pay thickness considered above average when compared to adjacent wells. It was recommended that the hole be cased to test the Mississippian Limestone.

Yours very truly,

T. G. WRIGHT
Consulting Geologist

BRUNSON. SPINES

KANSAS
GREENWOOD

JOHNSON 50

APPROX. C.S. N. of Section

23
24S 12E

H.E.C. DRUG Co.
3-2-63
3-7-63

1111 RB 1106 BR

GEOL: T. Wright

8 5/8" 102'
5 1/2" 1759

