

June 7, 1977

9661
DONATION
WRIGHT

GEOLOGICAL WELL REPORT

Brunson-Spines, Inc. & Magnum Land Corporation ✓

#1 Born NE NE SE Section ✓

1-T19S-14E, ✓

Coffey County, Kansas

Contractor: Alco Drilling Co., Inc.

Spud: May 27, 1977 ✓

7" Surface Casing @ 63'

4-1/2" Production Casing @ 1660'

Rotary Completion: June 1, 1977

Total Depth: Rotary 1665' ✓

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 and the hole was not logged mechanically before being cased.

I arrived at the location at a depth of 1450' and witnessed the drilling from that point to TD 1665'. Samples were examined from 800-1665 TD.

Enclosed herewith is a copy of the plotted drilling time log from 500-1665' TD which also includes lithology, porous zones, tops, and other pertinent data. A diamond core was cut in the Bartlesville Sand, core description included below.

SAMPLE TOPS

ELEVATION	1154	G.L. (Private Elevation)	<i>ELog Tops</i>
LANSING	650	(+ 504)	<i>Hed- 298 (+856)</i>
KANSAS CITY	825	(+ 329)	<i>Douglas 323 (+831)</i>
BASE OF KANSAS CITY	1035	(+ 119)	<i>642 (+572)</i>
HEPLER SANDSTONE	1100	(+ 54)	<i>823 (+331)</i>
			<i>1039 (+115)</i>
			<i>1110-26</i>
1100-25	Sandstone gray, fine, dirty to fairly clean and porous, no show.		
PAWNEE	1205	(- 51)	<i>1205 (-51)</i>

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CHEROKEE

1315 (- 161)

1325 (-171)
CH-100 1419 (-265)
1504 (-350)

BARTLESVILLE SANDSTONE

1505 (- 351)

1505-07

Sandstone, medium fine, clustered, some good porosity, staining and fluorescence.

DIAMOND CORE #1 1507-1533

Recovery 25.7'/26'

1507-08

Sandstone, fine, greenish, mostly poor porosity, little bleeding and stain, odor on fresh breaks.

1508-11

Sandstone, gray, medium fine, cleaner than above, fair porosity and oil staining and odor. Greenish, dirty streaks 1510-11.

1511-12

Greenish, dirty, fine sandstone, streaks of stain and bleeding.

1512-14

Greenish, very fine, dirty sandstone.

1514-19

Sandstone, fine, gray, friable, fairly clean, fair porosity, oil staining, odor on fresh break.

1519-21

Greenish, dirty, very fine sandstone.

1521-27

Sandstone, brown, medium grained, oil stained, clean, fairly friable, good porosity, becoming streaked staining 1523-24. Cleaner again 1524-27.

1527-28

Sandstone, very fine, very shaley, green barren, except for streaks.

1528-30

Green sandy shale and dirty, very fine sandstone, barren.

1530-33

Green, fairly dirty, medium fine sandstone, no show.

NOTE:

All sandstones above described with stain carried golden fluorescence.

Potential "pay" sections: 1507-11, 1514-19 and 1521-27.

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1533-1613

Sandstone, medium grained, clustered, white to light gray, clean, porous, no show, no fluorescence.

BASE OF SAND

1613 (- 459)

1612 (- 458)

TOTAL DEPTH:

1665

1665
1154
- 511

Conclusions & Recommendation

On the upper hole markers this well checks about 10 feet lower structurally with the #1 Jones diagonal offset. This is in line with two holes drilled by Little George Oil offsetting this well to the north and to the east. On the top of the Bartlesville sand, which we cored, this well is 20 feet lower than the diagonally offsetting #1 Jones, but 11 feet higher than Little George Oil #1 Hunter, the east offset, which is currently producing from the Bartlesville. In addition, the #1 Born is one foot lower than the Little George #1 Evans, the north offset. The Evans was not tested in the Bartlesville before abandonment.

Comparably, the reservoir in this well does not appear as porous and permeable as the two Jones wells to the northeast but was considered sufficiently good to justify casing to that. This was recommended.

Yours very truly,

T. G. Wright

TGW:wlr

BIT RECORD

SECURITY

S₂ (Rerun)

63 - 1665 TD

DRILLING PROGRESS

May 27, 1977	Spud	
May 28	1264	Shut down for Memorial Day
May 29		Shut down for Memorial Day
May 30		Shut down for Memorial Day
May 31	1264	
June 1	1665	T.D. WOC 4½" Casing