

February 13, 1974

T. G. WRIGHT DONATION  
1995

GEOLOGICAL WELL REPORT

Brunson-Spines #5 Thomsen "B"  
NE NW NE Section 10-T21S-R14E  
Thomsen Pool, Coffey County, Kansas  
Contractor: Jackman & Jackman  
Spud: February 4, 1974  
8 5/8" Surface Casing @ 80. '  
5 1/2" Production Casing @ 1949  
Rotary Completion: February 9, 1974  
Total Depth: 1951 (Rotary)

Brunson-Spines  
800 Vickers-KSB&T Building  
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 1370 and witnessed the drilling from that point to 1951 T.D. Samples were examined from 1200-1400 & 1600-1951 T.D.

Enclosed herewith is a copy of the plotted drilling time log from 700' to 1951' T.D. which also includes lithology, porous zones, geologic tops and other pertinent data. I also witnessed the running and cementing of 5 1/2" production casing @ T.D. 1951.

SAMPLE TOPS

ELEVATION	1127	
BASE OF KANSAS CITY	980	(+147)
CHEROKEE	1220	(-93)
SQUIRREL SAND	1315	(-188)

1315-25 Mostly medium grained dirty sandstone - some clustered, porous with some free dark oil.

MISSISSIPPIAN LIMESTONE	1623	(-496)
OSAGE	1691	(-564)
CHOTEAU	1756	(-629)
Kinderhook Shale	1877	(-750)
BASE OF CHATTANOOGA-SIMPSON SAND	1948	(-821)

1948-51 Sandstone medium grained compact, in part quartzitic, fractured appearance, streaked good oil saturation & considerable free dark oil. In part, clustered, rounded, oil saturated.

Total Depth 1951'.

#### CONCLUSIONS AND RECOMMENDATIONS

At the top of the Simpson Sand the subject well is three feet lower than your #1 Thomsen "B" which is slightly more than one diagonal location to the southeast. The structural relationship is considered good, the quality of the "show of oil" & reservoir observed after three feet of penetration compares favorably with the #1 well.

The Squirred Sand carried a small show of oil and should be considered for testing before abandonment of the hole.

It was recommended that this hole be cased to test the Simpson Sand at T.D. 1951.

Yours very truly,

T. G. Wright

TGW:gjt

DRILLING PROGRESS

2/4/74	Spud
2/5	W.O.C.
2/6	730
2/7	1346
2/8	1804
2/9	1951 TD Running 5 1/2"

BIT RECORD

Smith	SDG	Retip	80-830
?	V3S	Retip	830-1165
Hughes	OCS-34J	Retip	1165-1551
Reed	FGM5	Repaired	1551-1951 T.D.