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WICHITA, KANSAS 67202

June 28, 1972

*Corrected Spot
 Approx. SW NE NE*



GEOLOGICAL WELL REPORT
 Brunson-Spines #1 Thomsen "B"
~~E 8/2 N/2 NE/4~~ Section 10-T21S-R14E
 Wildcat, Coffey County, Kansas
 Contractor: Jackman & Jackman
 Spud: June 20, 1972
 8 5/8" Surface Casing @ 144'
 5 1/2" Production Casing @ 1947'
 Rotary Completion: June 26, 1972
 Total Depth: 1951 (Rotary) 1953 (GR/N)

T. G. WRIGHT DONATION
 1995

Brunson-Spines
 800 Vickers-KSB&T Building
 Wichita, Kansas 67202

Gentlemen:

Listed below are the pertinent geological tops, an evaluation of the porosities encountered and a record of all tests taken at the captioned well.

I arrived at the location at a depth of 1175 and witnessed the drilling from that point to 1951 TD. Samples were examined from 145 - 1951 TD. The hole was logged by Gamma Ray-Neutron Log before being cased. That data included herein.

Enclosed herewith is a copy of the plotted drilling time log from 145-1951 TD which also includes lithology, porous zones, geologic tops and other pertinent data.

7-13-73

Corr. Elevation

ELEVATION	<u>LOG TOPS</u>
	1128 ← <i>Corr. Elevation</i>
	1119 KB (7 1/2" Topog. Sheet)
DOUGLAS	237 (+882) (891)
DOUGLAS SAND	417 (+702) (711)
417-97 and 541-48	Sandstone, white, medium fine, porous, clustered, no show.
LANSING	560 (+559) (+568)
BASE OF KANSAS CITY	976 (+143) (+152)
MARMATON LIMESTONE	1094 (+25) (+34)
SQUIRREL SAND	1309 (-190) (-181)

1309-26	Sandstone, fine, calcareous, dirty. Some well oil stained with fair porosity, trace of free oil.	
ARDMORE	1364 (-245) (-256)	
CATTLEMEN SAND	1377 (-258) (-249)	
1377-90	Gray, fine, dirty sandstone, no reservoir.	
BARTLESVILLE SAND	1461 (-342) (-333)	
1461-72	Sandstone, fine, greenish, dirty, calcareous with included siderite pellets. No reservoir.	
BURGESS SAND	1608 (-489) (-480)	
1608-14	Coarse, rounded, loose grained sand. No show.	
MISSISSIPPIAN LIMESTONE	1618 (-499) (-490)	819
OSAGE	1688 (-569) (-560)	490
CHOTEAU	1756 (-637) (-628)	329
KINDERHOOK SHALE	1876 (-757) (-748)	
BASE OF CHATTANOOGA - SIMPSON SAND	1947 (-828) (-819)	
1947-51	Sandstone, white, medium-grained, angular, re-crystallized, compact. Some good porosity well stained with oil, trace of free oil. Much white, barren sandstone in part quartzitic and pyritic.	
<u>DRILL STEM TEST #1</u>	<u>1947-51</u> Tool open 5 min. pre-flow, good blow. Shut in 20 minutes. Open 1 hour, good blow throughout. Shut in 20 minutes. Recovered 1150 feet of clean oil, no water. Gravity 28.5°. IFP 99#, FFP 406#, IBHP 624#, FBHP 604#	
TOTAL DEPTH	1951 (Rotary) 1953 (GR/N Log)	

CONCLUSIONS AND RECOMMENDATIONS

The subject well must be referred structurally to the recently discovered Pieratt Pool two miles west, which produces from the Viola at the base of the Chattanooga Shale. This well is ^{more than} less than 20 feet higher than the Pieratt Pool at the base of the Chattanooga, indicating a low relief anticlinal feature trending east-west. It appears possible that much of the intervening area between the Pieratt Pool and the #1 Thomsen "B" holds producing possibilities in either the Viola or Simpson Sand depending on which occurs at the base of the Chattanooga.

With the encouraging results of the drill stem test it was recommended that the hole be cased to test the Simpson Sand.

Yours very truly,

T. G. Wright

TGW:bf

BIT RECORD

Smith DSJ (Retip)	145- 860
Security S4TJ (Retip)	860-1257
Hughes CLCJ (Retip)	1257-1645
Security M88J (Repaired)	1645-1951

DRILLING PROGRESS

6-20	Spud
6-21	145 WOC 8 5/8"
6-22	750
6-23	1303
6-24	1753
6-25	TD 1951 Testing
6-26	TD 1951 WOC 5 1/2"