

October 17, 1967

GEOLOGICAL WELL REPORT

William Gruenerwald & Associates, Inc.  
#3 Gibbons, C S/2 SW/4 Section  
36-T27S-13W, Rolingson Pool,  
Pratt County, Kansas  
Contractor: Garvey Drilling Co.  
Spud: October 2, 1967  
13 3/8" @ 255'  
8 5/8" @ 721'  
5 1/2" @ 4364'  
Rotary Completion: October 15, 1967  
Total Depth: 4364' (Rotary) 4359' (E.Log)

William Gruenerwald & Associates, Inc.  
P. O. Box 909  
Colorado Springs, Colo 80901

Gentlemen:

Listed below are the pertinent geological tops and an evaluation of the porosities encountered. No drill stem tests were taken. The hole was logged electrically before being cased, electric log data included herein.

I arrived at the location at a depth of 3785' and witnessed the drilling at intervals from that point to T. D. 4364'. Samples were examined from 3720 to 4364' T.D.

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

ELECTRIC LOG TOPS

ELEVATION	1857 KB
HEEBNER SHALE	3528 (-1681)
BROWN LIME	3721 (-1864)
LANSING-KANSAS CITY	3740 (-1883)
BASE OF KANSAS CITY	4086 (-2229)

T. G. WRIGHT DONATION  
1995

MISSISSIPPIAN CHERT		4192	(-2335)	
		BIT RECORD		
VIOLA CHERT		4254	(-2397)	
SIMPSON	Hughes	OSC3	4292	(-2435) 1763
	Hughes	ClCJ		1763-2130
	Dolomite	ClCJ	4305	(-2448) 2555
	Hughes	ClC		2555-3175
	Sand	ClC	4320	(-2463) 3761
	Hughes	OWV		3761-4042
	4320-35			Sandstone, clean, clustered, medium grained, friable. Good porosity completely oil stained.
	Hughes	WR-J		4315-4340
TOTAL DEPTH	Hughes	W7	4364'	4340-4363 T.D.

Conclusions and Recommendations

The subject well on the top of the Simpson Sand is only 5 feet lower structurally than your #2 Gibbons, a diagonal 40-acre offset, and 8 feet lower than your #1 Gibbons, a direct one location east. This is considered less than normal related to regional dip. The quality of the porosity and saturation is good. It was recommended that the hole be cased to test the Simpson Sand.

Yours very truly,

T. G. Wright

TGW:wlr

BIT RECORD

Hughes	OSC3J	255-1763	
Hughes	C1CJ	1763-2130	
Hughes	C1CJ	2130-2555	
Hughes	C1C	2555-3175	
Hughes	C1C	3175-3761	
Hughes	OWV	3761-4042	
Hughes	OWV	4042-4222	
Hughes	W7	4222-4315	
Hughes	WR-J	4315-4340	
Hughes	W7	4340-4363	T.D.

DRILLING PROGRESS

10-2	Spud	
10-3	255	
10-4	721	
10-5	1235	
10-6	1395	
10-7	1763	
10-8	1985	
10-9	2555	
10-10	3175	
10-11	3739	
10-12	4042	
10-13	4230	
10-14	4350	
10-15	4363	T.D. WOC

