



Pollok Energy, LLC

**GEOLOGICAL REPORT
SCHMITT #1
NW SE NE 26-T22S-R25W
HODGEMAN COUNTY, KANSAS**

SUMMARY

The above noted well was drilled to a depth of 4,815 feet on April 24, 2017. A one-man logging unit was on location on April 19, 2017 with logging beginning at 3,400 feet on April 20, 2017. At TD, Weatherford electric logs were run that consisted of Dual Induction, Compensated Neutron-Density, Micro-log, and Compensated Sonic. From the data collected while drilling and analyzing, the decision was made to set production casing and further evaluate the zone.

MISSISSIPPIAN

The top of the Mississippian was encountered at 4,668 (-2130) feet and samples consisted primarily of dolomite and limestone. The Spergen Dolomite was encountered at 4,672 (-2,134) feet. The dolomite samples were described as cream, buff, and light brown. Textures were very fine crystalline and sucrosic, while being friable to moderately firm. Abundant vugular porosity and fair inter-crystalline porosity were noted. The dolomite samples possessed bright yellow fluorescence, good flash cuts, slight live oil stain, and faint oil odor. Three drill stem tests were run to further evaluate the Mississippian with results on the next page.

DST # 1 (4,636-4,673')

Miss run

Hit bridge at 1,700'

DST # 2 (4,636-4,673') 30-60-30-60

Rec. – 5' SOCM (4% oil, 96% mud)

IF – Weak surface blow FF – No blow

IF – 18-29 FF – 31-38

ISI – 1134 FSI – 786

IH – 2423 FH – 2330

BHT – 114 °F

DST # 3 (4,636-4,683') 30-60-30-60

Rec. – 120' VSOCM (2% oil, 98% mud)

IF – Weak 2" blow FF – Weak ½" blow

IF – 23-52 FF – 55-82

ISI – 1285 FSI – 1227

IH – 2384 FH – 2285

BHT – 112 °F

ELECTRIC LOG TOPS

	Pollok Energy Schmitt #1 NW SE NE 26-T22S-R25W	Kewanee Oil Co. Schmitt #2 W/2 SW NW 23-T22S-R25W	McCoy Petroleum Amrein A 1-25 NW SW 25-T22S-R25W
Bs. Heebner (subsea)	3,963' (-1,425')	3,922' (-1,408')	3,978' (-1,455')
T/Lansing (subsea)	4,012' (-1,474')	3,970' (-1,456')	4,030' (-1,507')
T/Stark (subsea)	4,315' (-1,777')	4,272' (-1,758')	4,320' (-1,797')
T/Cherokee (subsea)	4,586' (-2,048')	4,538' (-2,024')	4,597' (-2,074')
T/Mississippian (subsea)	4,668' (-2,130')	4,614' (-2,100')	4,687' (-2,164')
T/Spergen Dolomite (subsea)	4,672' (-2,134')	4,618' (-2,104')	4,697' (-2,174')

CONCLUSION

The Schmitt #1 was drilled as an exploratory test corresponding to a 3-D seismic high located in the NW of 26-T22S-R25W. Electric logs indicated the Spergen Dolomite was a 19 foot thick zone with an average neutron porosity of 22% with a high of 24%, compensated sonic showed an average of 12% porosity with a high of 15%, and good cross-over on the micro-log. Based on the data collected and analyzed, the decision was made to set production casing to further evaluate the Spergen Dolomite.

Respectfully Submitted,



Bill Busch, Thomas Miszkief

Petroleum Geologist

4/26/2017