

DEACON GEOLOGY INC.

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(TIGHT HOLE)

GEOLOGISTS REPORT

For

LEACH #3-2016

2245 E, 1344 N

SE, NW,SW,

Sec. 15, T7S, R13E

JACKSON COUNTY, KS

API 15-085-20093-0000

January 26, 2017

By

GEORGE E. PETERSEN

DEACON GEOLOGY INC.

GEOLOGISTS REPORT**LEACH 3-2016**

On location 1/11-1/12 2017 well shut down due to weather ice warning.

On location 1/19-1/24 2017 Released from location 1:30 PM 1/24 logging complete.

ELEVATION 1118 .33 GL. All log measurements after site leveling from 1116 GL

FORMATION	LOG DEPTH	LOG DATUM	THICKNESS
Lansing	1192	- 76	
B/KC	1542	-426	350
Altamont Ls	1644	-528	8
Cherokee	1772	-656	698
Burg Sd	2436	-1320	34
Miss Lm	2470	-1354	78
Kinderhook Sh	2548	-1431	227
Hunton	2774	-1658	498
Maquoketa	3272	-2156	72
Viola	3344	-2228	100
Simp Dol	3444	-2328	6
Simp Sd	3450	-2334	8
Arbuckle	3458	-2342	

RTD 3475, LTD 3474

Sample returns were examined microscopically from 1100 to TD for the presence of visible hydrocarbons. The sample returns that were examined were of very poor quality due to the high pump pressures and a sample catch box that was in the process of being modified during the drilling to try to get better samples.

There were no samples from the Lansing to the top of the Hunton that had any visible shows of hydrocarbons. Analysis of the logs that were run also had no intervals that need to be examined further.

HUNTON:

The top of the Hunton was called at a log measured depth of 2774 feet. Sample returns contained a tan to white dolomite with visible vug porosity in samples that were recovered. There was a very good show of free oil in the pore spaces, and there was a fair to good show of oil on the pit. There was also a strong odor present in the samples. Wet samples in a cup left good oil ring

The upper six to eight feet of the formation showed good porosity and resistivity on the logs. Further analysis of the logs are being evaluated by personnel from the ELI logging company.

The log data, shows in the samples and comparison with wells in the area, indicate that oil can be produced in commercial quantities from this zone.

VIOLA;

The Viola was reached at a log depth of 3344. There was a good show of medium brown free oil in good vugular porosity noted in the samples. Log responses indicate 6-8 feet of good porosity and resistivity and these intervals are also being studied by ELI personnel. As with the Hunton, this interval should be the first zone to be completed in this well.

SIMPSON:

The upper Simpson, log depth 3444, appears to be a dolomitic zone with no evidence of hydrocarbons being present. A very friable sand with about 8 feet of thickness lies immediately below the dolomitic zone. The very limited sample return that was logged had slight show of free oil and a slight odor. There was a slight show on the pits. The log response suggests that this interval will have a very high water to oil ratio and no attempt at completion is recommended for this interval in this well.

ARBUCKLE:

The Arbuckle top was based on the harder drilling time. The samples that were retrieved from this unit had no visible shows or odor. This unit was drilled to provide a rat hole deep enough to allow the Simpson to be logged.

CONCLUSIONS AND RECOMMENDATIONS:

Although sample returns were poor, sufficient samples were found with good shows of oil and visible porosity in both the Hunton and Viola. The strong odor, shows of oil on the pit, and evidence on the logs of favorable conditions indicated that an attempt to produce these two zones will be made after considering all information available.

DISCLAIMER:

The recommendation made hereon shall not be construed as absolute and are made without assumption of liability and are statements of observation/research/training and experience within the area.

The services rendered on the Leach #3-2016 were done without any biasing influence, intentional or unintentional, from any employee or representative of Stroke of Luck Energy & Development LLC.

Geologists will receive a 2% ORRI on the positive completion of this well.

Should you require additional services or information, please contact me.

Respectfully submitted;