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GEOLOGISTS REPORT

for

Farris #2-86

API #15-087-20246

C, NW4, SE4, Sec. 5, T9S, R20E

Jefferson County, Kansas

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by

George E. Petersen C.P.G.S.

DEACON GEOLOGY INC.



*professional geologists*

# GEOLOGISTS REPORT

Farris #2-86

Elevation: 964 G.L. (Topo)

FORMATION TOPS	LOG DEPTH	DATUM	THICKNESS
Base K.C.	762	+280	---
Marmaton	904	+138	92'
Cherokee	996	+46	496'
"U. McLouth Sd."	1,458	-416	5'
"L. McLouth Sd."	1,474	-432	5'
Burgess Sd.	1,482	-440	10'
Mississippian Lm.	1,492	-450	---
RTD	1,440		
LTD	1,433		

Samples were examined microscopically from a log depth of 800 feet to T.D. for the presence of visible hydrocarbons. Formation tops and intervals for this report were picked from the Neutron-Density Porosity Logs, drilling time logs and sample returns. There was no visible evidence of the presence of oil or oil staining in any of the geologic units above the McLouth Sand.

## CHEROKEE GROUP:

There were several sand intervals above the "McLouth Sands" in the Cherokee Group; however, even though these sands have good porosity and preliminary log calculations indicate favorable Sw values, there have not been any tests of these zones in the immediate area and it is not known if they are capable of commercial production of gas.

The "McLouth Sands", both upper and lower, contained a slight show of heavy dark brown oil. There was no apparent odor even though there was a slight show of oil on the pits. Based on the very limited thickness of the two zones and the somewhat shaly nature, it is probable that commercial production of oil and/or gas will not be possible.

The Burgess Sand, reached at a depth of 1482 feet contained a slight show of heavy dark brown oil in a coarse grained, clear quartz sand. There was no apparent odor. This sand appeared to have a low porosity and a very shaly nature on the logs. It is doubtful if commercial production of oil or gas is possible from this zone in this well.

MISSISSIPPIAN LIME:

The tan, semi-lithographic to very coarsely crystalline limestone was reached at a drilled depth of 1492 feet. There was a slight show of heavy dark brown oil on the fracture faces; however, no oil is presently being produced from the Mississippian in this area and this zone does not appear to have sufficient oil saturation to justify a completion attempt.

CONCLUSIONS AND RECOMMENDATIONS:

Due to the limited thickness and shaly nature of the McLouth and Burgess sand intervals, it was recommended that this well be plugged. To fully utilize the information from this well, it is strongly recommended that this and other well locations be surveyed to obtain accurate locations and elevations.

Should additional information be required, please contact me.

Respectfully submitted,

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DEACON GEOLOGY INC.