10-26S-04E
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GEOLOGICAL REPORT

Ben Giles
No. 10 Ralston
602' SSW of No. 6 Well
SE/4 Sec. 10-26S-4E
Butler County, Kansas
15-015-23667-00-00

CONTRACTOR:	C & G Drilling Co., Inc.
SPUDDED:	July 5, 2005
DRILLING COMPLETED:	July 8, 2005
ELECTRIC LOGS:	No open-hole logs run
ELEVATIONS:	1357 KB 1355 DF 1350 GL

FORMATION TOPS (Sample)

Oread	1361 (+ 4)
Heebner	1398 (- 41)
Toronto	1413 (- 56)
Douglas Shale	1427 (- 70)
Douglas Sand	1450 (- 93)
Lansing	1641 (- 284)
Base Lansing	1805 (- 448)
Kansas City	1957 (- 600)
Stark Shale	2062 (- 705)
Base Kansas City	2113 (- 756)
Altamont	2187 (- 830)
Pawnee	2224 (- 867)
Fort Scott	2264 (- 907)
Cherokee	2306 (- 949)
Arbuckle Dolomite	2354 (- 997)
Rotary Total Depth	2485 (-1128)

Drilling samples were examined microscopically from 1300 feet to Rotary total depth. Samples were examined wet and dry and samples from potentially productive zones were viewed under a fluoroscope and checked for oil cut. Following is a description of zones of interest, oil and gas shows, etc. For a complete lithologic description of all formations refer to the geologic log in the back of this report.

Lansing Zones:

1641-1805

The Lansing section consisted of cream to buff, finely crystalline and partly fossiliferous limestones with some chalky limestone. Some tan to brown, dense to sub-lithographic limestones were present in the section. Two zones of porosity, 1663-1668 and 1725-1730 had fair porosity, but no shows of oil were present within the porosity.

Kansas City Zones:

1971-1975

Limestone, cream, finely crystalline and slightly fossiliferous, some poor to fair intercrystalline porosity, fair spotted stain, slight show of free oil, fair odor, fair fluorescence, fair cut. Zone contains considerable buff, opaque chert.

1984-1994

Limestone, cream, finely crystalline and chalky, slightly fossiliferous, friable, poor intercrystalline porosity, no show of oil, much chert, buff, fresh, hard, sharp.

2011-2020

Limestone, cream to buff, fine to medium crystalline, fossiliferous, slightly oolitic, fair pinpoint and small vug porosity, considerable chalky limestone, no show of oil within the porosity.

2101-2105

Limestone, cream to buff, dense to finely crystalline, some fossiliferous, scattered poor intercrystalline porosity, no show of oil.

Altamont Zones:

2187-2206

This section consisted of buff to tan and brown mottled dense limestones. No visible porosity was observed in the section and no shows of oil were present.

Pawnee Zones:

2224-2242

This section consisted of limestone, buff, dense to dense-oolitic with dark gray oolites, some brown dense limestone was present. The zone was tight and no shows of oil were present.

Fort Scott Zones:

2264-2306

This section consisted of limestone, buff to tan to brown, some mottled, dense to sub-lithographic. The zone was tight and no shows of oil were present.

Arbuckle Zones:

2354-2363

Dolomite, buff to tan, medium to coarsely crystalline, good intercrystalline and vugular porosity with good spotted to saturated stain, good show of free oil, good odor, good fluorescence, good cut, some slightly sucrosic dolomite with show of oil as above, some white to buff, fresh, opaque, partly spicular chert.

2363-2390

Dolomite, buff to tan, fine to medium crystalline, poor intercrystalline porosity, fair spotted to saturated stain, fair show of free oil, good odor, fair fluorescence, fair cut.

2390-2396

Dolomite, tan, sucrosic, poor porosity to tight, good saturated stain, fair show of free oil, good odor, fair fluorescence, poor to fair cut.

2396-2403

Dolomite, tan, medium to coarsely crystalline, good intercrystalline and vugular porosity, good spotted to saturated stain, good show of free oil, good odor, good fluorescence, good cut.

2403-2426

Dolomite, tan to brown, dense to finely crystalline, some medium crystalline, zone is mostly tight with some kaolinite infilling, no show of oil.

2426-2460

Dolomite, buff to tan to brown, dense to finely crystalline, mostly tight, no show of oil.

2460-2485

Dolomite, tan to brown, some mottled, dense, some finely crystalline, mostly tight with no show of oil. Some white to grey fresh chert.

The well appears to have very good possibilities of production from multiple zones. I do not recommend co-mingling any of these zones, rather, it is a better procedure to perforate, treat, and produce them separately.

Respectfully submitted,

Robert C. Lewellyn
Petroleum Geologist

RCL:me