34-33S-29W
NW SW SW

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GEOLOGICAL REPORT

Duncan Oil Properties, Inc.
No. 1-34 Clayton NW SW SW
1120' FSL & 330' FWL Sec. 34-33s-29W
Meade County, Kansas

CONTRACTOR:	Big "A" Drilling Co., Rig #3
SPUDDED:	August 26, 2005
DRILLING COMPLETED:	September 2, 2005
SURFACE CASING:	8 5/8" @ 1278/KBM
ELECTRIC LOGS:	Precision, MAI/MFE/MDN/MPD/ MML
ELEVATIONS:	2531 KB 2530 DF 2525 GL

FORMATION TOPS (Electric Log)

Chase Group	2605 (-074)
Herington Limestone	2610 (-079)
Krider Limestone	2630 (-099)
Winfield Limestone	2665 (-134)
Towanda Limestone	2756 (-225)
Fort Riley Limestone	2826 (-295)
Wreford Lime – A Zone	2985 (-454)
B Zone	3068 (-537)
C Zone	3092 (-561)
D Zone	3112 (-581)
E Zone	3123 (-592)
F Zone	3142 (-611)
G Zone	3160 (-629)
H Zone	3178 (-647)

I Zone	3198 (-667)
J Zone	3229 (-698)
K Zone	3252 (-721)
L Zone	3267 (-736)
M Zone	3291 (-760)
N Zone	3303 (-772)
Rotary Total Depth	3404 (-873)

Samples were examined microscopically from 2500 feet to Rotary Total Depth. Samples from potentially productive zones were viewed under a fluoroscope and checked for oil or gas cut. An MBC chromotograph-hotwire gas detector unit was in service from 2500 feet to Rotary Total Depth. Following is a description of zones of interest:

Chase Group:

Herington Limestone 2610-2620

Limestone, slightly dolomitic, cream to buff, dense and chalky, some finely crystalline and slightly fossiliferous, mostly tight, no show of oil or gas, no "gas kick" on the gas detector. Tight on density log.

Krider Limestone 2630-2644

Limestone, broken, slightly dolomitic, cream to buff, finely crystalline and chalky with some tan dense limestone, zone is mostly tight with no shows of oil or gas and no gas kick. Tight on density log.

Winfield Limestone 2665-2672

Limestone, buff to tan, some mottled, chalky and dense, some scattered finely crystalline and slightly fossiliferous, zone is mostly tight with no shows of oil or gas, no gas kick. Tight on density log.

Towanda Limestone 2756-2762, 2766-2776, & 2770-2778

Limestone, cream to buff, finely crystalline and slightly fossiliferous, some chalky, scattered poor to fair intercrystalline porosity, no show of oil or gas, no gas kick. Density log indicates porosity in intervals mentioned above but resistivity log indicates two ohms or less through entire section.

Fort Riley Limestone 2834-2841

Limestone, cream to buff, some tan, slightly fossiliferous and finely crystalline, some chalky, scattered fair intercrystalline porosity, no show of oil or gas, no gas kick. Density log indicates porosity through interval mentioned above but resistivity is three and one-half ohms or less through the section.

Council Grove Zones:

A Zone 2990-2995

Limestone, cream to buff, some tan, dense to finely crystalline, chalky in part, some poor scattered intercrystalline porosity, no show of oil or gas, no gas kick. Density log indicates shaly porosity in interval mentioned above with about 10 ohms of resistivity. In the absence of good sample porosity, oil or gas shows, or a positive reading on the gas detector the zone was judged to be non-commercial.

B Zone 3068-3072

Limestone, buff, finely crystalline, some cream chalky, trace of poor intercrystalline porosity, no show of oil or gas, no gas kick. Density log indicates porosity in interval mentioned above but resistivity log indicates only four ohms of resistivity.

C Zone 3098-3102

Limestone, buff, dense to finely crystalline, some cream chalky, scattered poor intercrystalline porosity, some pinpoint porosity, no show of oil or gas, no gas kick. Density log indicates porosity in interval mentioned above, but resistivity log indicates only 6.5 ohms through the section.

D Zone 3112-3121

Limestone, buff, dense to sub-lithographic, some finely crystalline, zone is mostly tight with no shows of oil or gas, no gas kick. Tight on density log.

E Zone 3125-3129

Limestone, buff, some tan, mostly dense with some finely crystalline and chalky, trace of poor intercrystalline porosity, no show of oil or gas, no gas kick. Density log indicates porosity in interval mentioned above but the zone carries a resistivity of only three ohms.

F Zone 3142-3151

Limestone, buff to tan, some brown, finely crystalline and slightly fossiliferous, poor intercrystalline porosity, trace of vugular porosity, no show of oil or gas, no gas kick. Density log indicates porosity in the interval mentioned above but the section carries only three ohms of resistivity.

G Zone 3160-3172

Limestone, cream to buff, finely crystalline and partly oolitic, slightly fossiliferous, fair intercrystallilne and inter-fossil porosity, some poor ooliticastic porosity, no show of oil,

no gas kick. Density log indicates porosity in interval mentioned above but the zone carries only two ohms of resistivity on the induction log.

H Zone 3178-3184

Limestone, cream to buff, finely crystalline with some cream chalky, some oolitic with fair ooliticastic porosity, some poor to fair intercrystalline porosity, no show of oil or gas, no gas kick. Density log indicates porosity in interval mentioned above with about 14 ohms of resistivity. This zone was given consideration for a possible drill stem test, but Gary Rumsey, the geologist who originated the prospect and works this area extensively advised us that the H zone thus far has not exhibited the reservoir quality to be commercially productive in this area.

I Zone 3202-3222

Limestone, buff to tan, finely crystalline and partly oolitic, some scattered poor to fair intercrystalline and interoolitic porosity, no show of oil or gas, no gas kick. Density log indicates broken porosity throughout the interval mentioned above but the zone carries only two ohms of resistivity.

J Zone 3229-3244

Limestone, buff to tan, trace of brown, finely crystalline and partly oolitic, fair intercrystalline and interoolitic porosity, no show of oil or gas, no gas kick. Density log indicates porosity through the interval mentioned above but the zone carries a resistivity of only one and one-half ohms.

K Zone 3257-3259

Limestone, buff, some tan, some brown, finely crystalline, some cream chalky, poor intercrystalline porosity, no show of oil or gas, no gas kick. Density log indicates porosity in the interval mentioned above but the zone carries only five ohms of resistivity.

L Zone 3267-3290

Limestone, buff to tan, some brown, dense, some cream chalky, some finely crystalline, tight, no show of oil or gas, no gas kick. Tight on density log.

M Zone 3291-3301

Limestone, buff to tan, dense to sub-lithographic, tight, no show of oil or gas, no gas kick, zone is tight on density log.

N Zone 3303-3318

Limestone, buff, finely crystalline and partly fossiliferous, partly oolitic, some sucrosic, poor to fair intercrystalline and interoolitic porosity, no show of oil or gas, no gas kick. Density log indicates porosity through the interval mentioned above but resistivity ranges from five ohms down to one and one-half.

Conclusions and Recommendations:

Sample examination, electric logging, and the chromatographic gas detector failed to indicate any zones of possible commercial production in the No. 1-34 Clayton. It was therefore recommended and permission granted for the No. 1-34 Clayton to be plugged and abandoned.

Respectfully submitted,

Robert C. Lewellyn
Petroleum Geologist

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