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GEOLOGICAL REPORT**Larson Operating Company**

Stanley-Weber No. 1-21
990' FSL & 10' FWL Sec. 21-18S-29W
Lane County, Kansas

CONTRACTOR: H D Drilling, LLC

SPUDED: February 12, 2008

DRILLING COMPLETED: February 22, 2008

SURFACE CASING: 8 5/8" @ 258' KBM/175. SX.

ELECTRIC LOGS: Log-Tech DIL CDN MEL BHCS

ELEVATIONS: 2828 KB 2823 GL

FORMATION TOPS (Electric Log):

Anhydrite	2177 (+ 651)
Base Anhydrite	2204 (+ 624)
Heebner Shale	3927 (-1099)
Lansing-Kansas City Group	3971 (-1143)
Muncie Creek Shale	4138 (-1310)
Stark Shale	4249 (-1421)
Hushpuckney shale	4285 (-1457)
Base Kansas City	4327 (-1499)
Marmaton	4355 (-1527)
Altamont	4380 (-1552)
Pawnee	4444 (-1616)
Myrick Station	4469(-1641)
Fort Scott	4494 (-1666)
Cherokee	4517 (-1689)
Mississippian	4603 (-1775)
Electric Log Total Depth	4652 (-1824)

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Samples were examined microscopically from 3850 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, Drill Stem Tests, etc. For a complete lithologic description of all formations, refer to the sample log in the back pages of this report.

Lansing-Kansas City Zones:

3971-3997 (A Zone)

Limestone, buff to tan, dense to finely crystalline, rare trace of poor intercrystalline porosity, interval is mostly tight, no show of oil.

4006-4008 (B Zone)

Limestone, buff to tan, dense to finely crystalline, some cream chalky, trace of poor intercrystalline porosity, no show of oil.

4024-4053 (C-D Zone)

Limestone, cream to buff to tan, dense to finely crystalline, chalky, entire interval is mostly tight, no show of oil.

4055-4069 (E Zone)

Limestone, cream to buff, dense to finely crystalline, rare trace of poor intercrystalline porosity with poor spotted stain, very slight show of free oil (some flaky dead oil is present with rare trace of live oil), good odor, no fluorescence, no cut, zone is essentially tight on electric log.

4073-4077 (F Zone)

Limestone, cream to buff, finely crystalline with abundant chalk, trace of poor intercrystalline porosity with one or two pieces with poor spotted stain, very slight show of free oil, faint odor, no fluorescence, no cut.

4062-4097 (G Zone)

Limestone, buff to tan, finely crystalline and oolitic, broken streaks of poor ooliticastic and interoolitic porosity, no show of oil.

4157-4160 (H Zone)

Limestone, buff to tan, finely crystalline and slightly oolitic, some medium crystalline, good intercrystalline and interoolitic porosity, good spotted stain, good show of free oil, good odor, fair fluorescence, good cut.

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DST No. 1

4136-4172

Open 15 minutes, shut in 30 minutes, open 30 minutes, shut in 60 minutes; initial flow blew off bottom in eight minutes, no blowback, final flow blew off bottom of bucket in 11 minutes, blowback after 15 minutes built to ½". Recovered 120 feet of weak gas in pipe, 165 feet of slightly gas cut oil (5% gas, 95% oil), 270 feet of slight mud and gas cut oil (5% gas, 80% oil, 15% mud). ISIP 912# FSIP 728# IFP 32-113# FFP 122-180# IHP 2023 FHP 1996# BHT 117 degrees.

4200-4204 (I Zone)

Limestone, cream to buff, finely crystalline, partly fossiliferous, partly oolitic, fair interfossil and interoolitic porosity, fair spotted stain, fair to good show of free oil, fair odor, fair fluorescence, fair to good cut.

4221-4236 (J Zone)

Limestone, buff, some tan, finely crystalline and oolitic, fair to good ooliticastic porosity with fair spotted stain, fair to good show of free oil, good odor, fair fluorescence, fair to good cut, porosity is 60% barren with some scattered dead stain and gilsonite.

4259-4285 (K Zone)

Limestone, buff, some tan, dense to finely crystalline, some cream chalky, scattered poor intercrystalline porosity, scattered poor spotted stain, very slight show of free oil, faint to fair odor, no fluorescence, poor cut.

4291-4294 (L Zone)

Limestone, cream to buff, finely crystalline and slightly fossiliferous, fair intercrystalline and interfossil porosity, fair spotted stain, fair show of free oil, faint to fair odor, poor fluorescence, fair cut, some overgrowth of large calcite crystals attached to limestone fragments.

4335-4339 (Pleasanton Zone)

Limestone, cream, finely crystalline and chalky, trace of poor scattered intercrystalline porosity, few pieces with poor spotted stain, no free oil, no odor, no fluorescence, no cut.

4355-4369 (Marmaton Zones)

Limestone, tan, oolitic with dark oolites, some dense oolitic, trace of poor scattered intercrystalline and interoolitic porosity, trace of very poor spotted stain, very slight show of free oil, questionable odor, no fluorescence, no cut.

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4380-4389 (Altamont "A" Zone)

Limestone, cream to buff, finely crystalline and chalky, some dense, trace of poor intercrystalline porosity, one or two pieces with poor spotted stain, no free oil, no odor, no fluorescence, no cut.

4397-4399

Limestone, buff, some tan, dense to finely crystalline and fossiliferous, some chalky, scattered poor to fair intercrystalline and interfossil porosity, poor to fair spotted stain, slight show of free oil, faint odor, no fluorescence, poor to fair cut.

4402-4412 (Altamont "B" Zone)

Limestone, buff to tan, dense to finely crystalline and slightly fossiliferous, trace of very poor intercrystalline porosity, with very poor spotted stain, no odor, no free oil, no fluorescence, no cut.

4419-4438 (Altamont "C" Zone)

Limestone, cream to buff, chalky and finely crystalline, zone is mostly tight with rare trace of very poor spotted stain, no odor, no free oil, no fluorescence, no cut.

4444-4488 (Pawnee-Myrick Station Zones)

The Pawnee and Myrick Station section consisted of limestones, cream to tan to brown, dense to finely crystalline and chalky. The entire interval was mostly tight and contained no shows of oil.

4494-4517 (Fort Scott Zone)

Limestone, tan to brown, dense to finely crystalline, some oolitic, some dense-oolitic, partly fossiliferous, scattered poor to fair intercrystalline and interoolitic porosity, poor spotted stain, very slight show of free oil, faint odor, no fluorescence, poor to no cut.

4517-4543 (Cherokee Zones)

This interval consisted of limestone, broken, tan to brown, dense to finely crystalline, dense with some dense-oolitic. The interval was tight with no shows of oil.

4543-4584 (Johnson Zone)

Limestone, buff to tan to brown, dense to finely crystalline, trace of poor to fair intercrystalline porosity, scattered poor to fair spotted stain, very slight show of free oil, faint to fair odor, poor fluorescence, poor to fair cut.

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4584-4591 (Cherokee Sand Zone)

Sand, white, very fine grained, calcareous, well cemented, well sorted, hard, tight, no show of oil.

4591-4603 (Detrital Zone)

Chert, white to light gray with trace of varicolored, fresh, opaque, slightly fossiliferous, some scattered varicolored chert, no show of oil in this interval.

4603-4650 (Mississippian Zones)

This interval consisted of limestones, cream to buff, finely crystalline with scattered medium crystalline, chalky and soft, flaky, occasional streaks of poor intercrystalline porosity, no show of oil, some white to light gray, fresh, opaque chert in section.

4650 Rotary Total Depth

Conclusions and Recommendations:

The following zones should be perforated and production tested:

Altamont "A"	4397-4399
Lansing-Kansas City "L"	4291-4294
Lansing-Kansas City "J"	4220-4222
Lansing-Kansas City "I"	4200-4204
Lansing-Kansas City "H"	4157-4160

Respectfully submitted,

Robert C. Lewellyn
Petroleum Geologist

RCL:me

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