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GEOLOGICAL REPORT

N2 N2 NW
West Bay Exploration Company
Crotts 1-29
330' FNL & 1320' FWL
Sec. 29-26S-9W
Reno County, Kansas

CONTRACTOR: Landmark Drilling Company
SPUDDED: November 04, 2006
DRILLING COMPLETED: November 15, 2006
SURFACE CASING: 8 5/8" @ 261/KBM
ELECTRIC LOGS: Precision MPD/MDN MAI/MFE MML
ELEVATIONS: 1711 KB 1710 DF 1706 GL

FORMATION TOPS: (Electric Log)

Herington Limestone	1496 (+ 215)
Krider Limestone	1517 (+ 194)
Winfield Limestone	1574 (+ 117)
Towanda Limestone	1629 (+ 82)
Fort Riley Limestone	1679 (+ 32)
Wreford Limestone	1842 (- 131)
Council Grove Group	1870 (- 159)
Cottonwood Limestone	2013 (- 302)
Neva Limestone	2037 (- 326)
Red Eagle Limestone	2136 (- 425)
Indian Cave Sandstone Zone	2296 (- 585)
Wabaunsee (Wood Siding)	2323 (- 612)
Langdon Sand Zone	2375 (- 664)
Stotler Limestone	2457 (- 746)
Tarkio Limestone	2528 (- 817)
Howard Limestone	2690 (- 979)

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Topeka Limestone	2804 (-1093)
Heebner Shale	3219 (-1508)
Brown Lime	3380 (-1669)
Lansing-Kansas City Group	3412 (-1701)
Stark Shale	3683 (-1972)
Hushpuckney Shale	3716 (-2005)
Base Kansas City	3775 (-2064)
Mississippian	3916 (-2205)
Kinderhook Shale	3996 (-2285)
Woodford Shale	4096 (-2385)
Viola Dolomite	4183 (-2472)
Simpson Shale	4271 (-2560)
Simpson Sand (01)	4277 (-2566)
Simpson Sand (02)	4290 (-2579)
Arbuckle Dolomite	4359 (-2648)
Log Total Depth	4515 (-2804)
Rotary Total Depth	4524 (-2813)

Samples were examined microscopically from 1700 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. An MBC Logging Company, Inc., Chromatograph-Hotwire gas detector was in service from 1700 to Rotary Total Depth. No positive gas detector readings of any consequence were recorded by the detector during the drilling of the No. 1 Crotts. Following is a description of zones of interest, oil and gas shows, drill stem tests, etc. For a complete lithologic description of all zones refer to the sample log in the back pages of this report. Driller's depths, and the depths on the sample log, should be corrected uphole nine feet to correct for a pipe tally error and to correlate with the electric log depths.

Samples began at 1700

Wreford 1842-1850

Limestone, buff to tan, partly dolomitic, dense to finely crystalline, mostly tight, no show of oil or gas.

Cottonwood 2013-2024

Limestone, cream to buff, some tan mottled, finely crystalline, some chalky, scattered poor to fair intercrystalline porosity, no show of oil or gas.

Neva 2037-2043

Limestone, cream to buff, finely crystalline, slightly fossiliferous, scattered poor to fair intercrystalline porosity, no show of oil or gas.

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Red Eagle 2136-2160

Limestone, cream to buff to tan, some mottled, dense to finely crystalline, trace of scattered poor intercrystalline porosity, no show of oil or gas.

Indian Cave Sandstone Zone 2296-2323

This section consisted of gray to varicolored shales with traces of silty sand throughout the section. There were no sand bodies with reservoir quality and no shows of oil or gas in the section.

Langdon Sand Zone 2365-2408

This section consisted of gray shales with some varicolored shale and traces of buff dense limestone, along with sand, light gray, fine grained, some medium grained, calcareous, fairly well cemented with trace of friable, scattered poor intergranular porosity. The section contained no shows of oil or gas.

Stotler 2457-2470

Limestone, buff to tan, some mottled, dense to finely crystalline, trace of poor intercrystalline porosity, no show of oil or gas.

Tarkio 2528-2554

Limestone, buff to tan, some mottled brown, dense, some finely crystalline with poor intercrystalline porosity, no show of oil or gas.

Howard 2690-2757

This section consisted of limestones, buff to tan, some brown to mottled, dense to finely crystalline, some cream chalky, scattered poor intercrystalline porosity, no show of oil or gas.

Topeka 2804-3219

This section consisted of limestones, cream to buff, some tan, dense to finely crystalline with considerable chalky limestone, interbedded with occasional thin streaks of gray shale and some black carbonaceous shale. The section contained several zones of poor to fair intercrystalline and pinpoint porosity. No shows of oil or gas were present in the section.

Lansing-Kansas City Zones:

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3412-3432 (A Zone)

Limestone, buff to tan, dense to finely crystalline, zone is mostly tight, trace of dead stain in lower portion of zone. No show of live oil.

3434-3449 (B Zone)

Limestone, buff, dense, zone is tight with no shows of oil.

3461-3466 (C Zone)

Limestone, buff to tan, dense to finely crystalline, slightly fossiliferous in part, scattered poor to fair intercrystalline porosity with rare trace of poor spotted stain, very slight show of free oil, faint odor, no fluorescence, no cut. Porosity and show are of insufficient quality to warrant further evaluation.

3480-3484 (D Zone)

Limestone, buff, finely crystalline and slightly fossiliferous, some poor intercrystalline porosity, mostly barren, some fair interfossil porosity with trace of poor spotted stain, no free oil, faint odor, no fluorescence, no cut. Show and porosity are not of sufficient quality to warrant further evaluation.

3494-3496 (E Zone)

Limestone, tan, dense, some finely crystalline with poor intercrystalline porosity, no show of oil.

3509-3513 (F Zone)

Limestone, buff, some tan, finely crystalline and partly fossiliferous, poor intercrystalline porosity with poor spotted stain, no odor, no free oil. Show and porosity are not of sufficient quality to warrant further evaluation.

3534-3549 (G Zone)

Limestone, buff, finely crystalline, some chalky, some oolitic, poor vugular porosity, some fair ooliticastic porosity, trace of very poor spotted stain, no odor, no free oil, no fluorescence, no cut. Show is not of sufficient quality to warrant further evaluation.

3586-3591 (H Zone)

Limestone, buff, dense to finely crystalline, some slightly oolitic, scattered very poor vugular porosity with some fair ooliticastic porosity, trace of very poor spotted stain, no

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free oil, no odor, no fluorescence, no cut. Show is not of sufficient quality to warrant further evaluation.

3604-3634 (I Zone)

Limestone, buff to tan, dense, some finely crystalline, no visible porosity and no show of oil.

3638-3646 (J Zone)

Limestone, cream to buff, finely crystalline and chalky, some oolitic, fair intercrystalline and inter-oolitic porosity, no show of oil.

3690-3716 (K Zone)

Limestone, buff to tan and brown, dense to finely crystalline, scattered poor vugular and intercrystalline porosity, trace of very poor spotted stain, no free oil, no odor, no fluorescence, no cut. Show is of insufficient quality to warrant further evaluation.

3724-3775 (L Zone)

This section consisted of limestone, buff to tan, some brown, dense to sub-lithographic, with some finely crystalline, trace of very poor intercrystalline porosity, no show of oil.

Mississippian Zones: 3916-3952

Chert, white, some tan to varicolored, fresh, opaque, scattered tripolitic with poor vugular and "edge" porosity with a trace of dead stain. No live oil shows were present in the section.

3952-3996 (Gilmore City)

Limestone, gray to buff, dense to microcrystalline, no visible porosity, no show of oil.

Viola Zones: 4183-4189

Dolomite, tan, sucrosic, fair inter-granular porosity, good odor, good show of free oil, good spotted to saturated stain, fair to good fluorescence, good cut. Section contains some light gray birdseye chert, fresh, opaque.

Drill Stem Test No. 1 4184-4189

Note: DST depths have been corrected uphole nine feet to correct for error in pipe tally and to correlate with electric log depths. Slid tool six feet to bottom on opening.

Open 30 minutes, shut in 60 minutes, open 30 minutes, shut in 60 minutes; weak 1" blow for 30 minutes, no blow on second flow period; recovered 15 feet of very thick drilling

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mud (Chart indicated that the tool plugged on the initial opening and the test was a mis-run). IHP 2129# FHP 2066# BHT 128 degrees.

Simpson Zones:

First Simpson Sand 4277-4287

Sand, gray, fine to medium grained, calcareous, fairly well-cemented, fairly well-sorted, partly friable, bitumen inclusions, slightly glauconitic, poor intergranular porosity, no show of oil.

Second Simpson Sand 4290-4299

Sand, white to light gray, fine grained, calcareous, fairly well-sorted, fairly well-cemented to friable, fair intergranular porosity, very slight show of free oil, questionable stain and odor, trace of fluorescence, poor to no cut.

Drill Stem Test No. 2 4261-4298 (Corrected depths as above)
Open 30 minutes, shut in 60 minutes, open 30 minutes, shut in 60 minutes; weak surface blow for 30 minutes on first flow, no blow on second flow; recovered 30 feet of drilling mud. ISIP 1298# FSIP 1203# IFP 22-24# FFP 26-29# IHP 2144# FHP 2129# BHT 124 degrees.

Arbuckle Zones:

4359-4381

Dolomite, buff to tan, some brown, finely crystalline, some slightly oolitic, poor intercrystalline porosity, no show of oil. Grades to dolomite, buff to tan, microcrystalline to finely crystalline that is tight with no show of oil.

4183-4402

Dolomite, cream to buff, finely crystalline and partly oolitic, poor to fair intercrystalline and ooliticastic porosity, some kaolinite infilling of porosity, no show of oil.

4402-4452

Dolomite, buff, some tan, fine to medium crystalline with coarsely crystalline rhombic dolomite, scattered poor to fair intercrystalline porosity with partial filling with kaolinite, no show of oil.

4452-4458

Dolomite, buff to tan, medium to coarsely crystalline, poor intercrystalline porosity with kaolinite infilling, no show of oil.

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4458-4478

Dolomite, cream to buff, medium to coarsely crystalline, with chert, white, fresh to tripolitic, dolomite has poor intercrystalline porosity with kaolinite infilling, no show of oil.

4478-4486

Dolomite, buff, medium to coarsely crystalline, trace of poor intercrystalline porosity with kaolinite infilling, some chert as described above. No show of oil.

4486-4524

Dolomite, buff, medium to coarsely crystalline with tan, dense dolomite, trace of poor intercrystalline porosity in crystalline dolomite, some chert, cream, fresh to tripolitic, no show of oil.

4524

Rotary Total Depth

Conclusions and Recommendations:

Sample examination, a gas detector unit, drill stem testing, and electric logging revealed no zones of potential commercial production of oil or gas in the No. 1-29 Crotts. It was therefore recommended, and permission granted, that the No. 1-29 Crotts be plugged and abandoned.

Respectfully submitted,

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Petroleum Geologist

RCL:me

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