

34-34s-10E

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August 18, 2004

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Reference: Your: Buck# 15 Well
15-019-26442 NE NWNW

Reported Spot Location: 5115 FSL 4400 FEL
34-34s-10E
Chautauqua County, Kansas

Ground Elevation (GL): 1043±

Topography/Vegetation: Flat, Grassland

TD (Total Depth): 1560' Driller from GL

Drilling Contractor: Blue Ribbon Drilling
Dewey, Oklahoma

Drilling Rig Model: 660 Schramm
with Auxiliary

Hole Data: 10.75" surface hole to 42'
(42' of 8 5/8" casing installed
with 5 sacks Portland Type 1)
6 3/4" borehole to 1560'

Drilling Commenced: August 11, 2004
Drilling Completed: August 13, 2004

Electric Log Program: (CH) Green Country Wireline
Dewey, Oklahoma

Current Status:

Recommendations: Layton Sandstone: 1125 - 1145'
Wayside Sandstone: 1493 - 1504'

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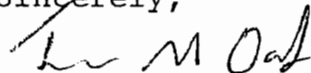
This geological report concludes wellsite supervision and sample examination on the above referenced test well. The well was drilled to a total depth (TD) of 1560' with air rotary tools to test the Layton and Wayside Sandstones. The drilling samples exhibited excellent hydrocarbon shows for both of these formations. Descriptions of these formations are in the following report.

The reported ground elevation of this well location is 1043'± feet from which all measurements were made. Only significant formations depths and information are mentioned below.

<u>DEPTH (feet)</u>	<u>LITHOLOGY</u>
1121 - 1125	Iola Limestone.
1125 - 1145	Layton Sandstone - Fine grained, good odor, good to strong odor and fluorescence, some free oil, oil on pit, calcareous.
1145 - 1146	Coal.
1481 - 1483	False Cap Limestone.
1483 - 1486	Shale.
1486 - 1493	Lenapah Limestone.
1493 - 1504	Wayside Sandstone - Clear to gray, very fine grained to silty, poor to fair (tight) porosity, slight to fair odor, good fluorescence, some oil when cut with acid, good odor at base.
1504 - 1530+	Wayside Sandstone continued - Sandstone as above, no shows.
1560	Drillers Total Depth.

Please feel free to contact me if you have any questions concerning this report.

Sincerely,


Thomas H. Oast
Geological Consultant

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