



MAP EXPLORATION, INC.

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GEOLOGICAL REPORT BENSON 3-4 NE/4 SECTION 4 - T35S - R14W BARBER COUNTY, KANSAS

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SUMMARY

The above captioned well was drilled to a total depth of 5,025 feet on May 23, 2004. A mud-logging unit was on location from approximately 3,000 feet to TD recording gas, with one-man mud-logging beginning at 3,900 feet to TD. The well was under the geological supervision of the undersigned from approximately 4,800 feet to TD. At TD, Reeves wireline logs were run that consisted of Array Induction, Density-Neutron Porosity and Micro-log. After all data was analyzed, the decision was made to set casing and attempt completion in the Mississippian Dolomites.

HERTHA LIMESTONE

The Hertha was cut at 4,652 (-3103) feet. A four-foot drilling break of 7/10 of a minute per foot drilling was encountered. The gas chromatograph recorded a 362-unit gas kick. Samples were described as off-white to cream tan very fine crystalline limestone with pin-point and vugular porosity being observed. A bright yellow fluorescence along with a light brown live oil stain, streaming cut and faint odor was recorded. Electric logs indicate a four-foot zone of 17% cross-plot porosity that should produce some hydrocarbons. This zone should be perforated before abandonment of the well.

MISSISSIPPIAN

The Mississippian unconformity was topped at 4,826 (-3277) feet. An eight-foot drilling break was cut with a 373-unit gas kick recorded from the gas chromatograph. Samples were described as light brown to brown intercrystalline dolomite with some pin-point and vugular porosity through a sucrosic matrix. A bright yellow fluorescence with excellent streaming cut, live oil staining and good oil odor was observed. Electric logs indicate an eight-foot zone of 17% cross-plot porosity that calculates productive. There were a minimum of three more drilling breaks below the above mentioned zone. These all had similar sample shows and porosities on average of 13% cross-plot. There is approximately eighty feet of potential pay.

4-35-14W

4-35-14W

ELECTRIC LOG TOPS

	JACK BENSON 3-4 NE/4 4-T35S-R14W	JACK BENSON 1-3 SW SW 3-T35S-R14W	JACK BENSON1-4 NW 4-T35S-R14W
CHASE (subsea)	2075 (-526)	2063 (-528)	2075 (-531)
TOP PENN. (subsea)	3023 (-1474)	3012 (-1477)	3025 (-1481)
BS. HEEBNER (subsea)	3994 (-2445)	3978 (-2443)	3996 (-2452)
LANSING (subsea)	4172 (-2623)	4156 (-2621)	4172 (-2628)
STARK SH. (subsea)	4608 (-3059)	4670 (-3073)	4598 (-3054)
CHEROKEE SH. (subsea)	4800 (-3251)	4800 (-3265)	4800 (-3256)
MISS. UNCON. (subsea)	4826 (-3277)	4828 (-3294)	4834 (-3290)

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CONCLUSION

The Benson 3-4 was drilled as an in-fill development well for Mississippian sediments. The well seems to have approximately 80 feet of potential pay from dolomites within the Mississippian. The Hertha Limestone also had four feet of pay that should be perforated before abandonment of the well-bore.

After all data was analyzed, the decision was made to set casing and attempt completion in the Mississippian Dolomites.

Respectfully submitted



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Petroleum Geologist
5/27/04