



MAP EXPLORATION, INC.

MICHAEL ANTHONY POLLOK, PRES.

P.O. Box 106 ■ PURCELL, OKLAHOMA 73080
 OFFICE 405/527-6038 ■ HOME 405/527-5200 ■ MOBILE 405/823-4493 ■ FAX 405/527-7629
 ■ E-MAIL: mapexpl@aol.com

15-155-21489
GEOLOGICAL REPORT
ROARK 7-17

SW SW NE SECTION 17 - T25S - R9W

RENO COUNTY, KANSAS

SW SW NE 2310 FNL 2310 FEL

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SUMMARY

The above captioned well was drilled to a total depth of 4,000 feet on June 23, 2005. Electric log depth was 3,990 feet. All following depth calculations will be E-log corrected. A one-man logging unit was on location recording gas from approximately 2,200 feet to TD, with one-man-logging beginning at 3,000 feet to TD. The well was under the geological supervision of the two undersigned from approximately 3,200 feet to TD. At TD, Precision electric logs were run that consisted of Dual Induction, Compensated Neutron-Density and Micro-Resistivity log. From the data collected while drilling and analyzing, potential hydrocarbon shows were encountered in the Hertha Limestone and Mississippian "Chat".

HERTHA LIMESTONE

The top of Hertha Limestone was cut at 3,718 (-2,011) feet. A four-foot drilling break was encountered with a 55-unit gas kick being recorded from the gas chromatograph. Samples were described as cream, tan to buff fine to very fine micro-crystalline limestone, with trace of free pyrite. Porosity was described as slightly oolitic, slightly fractured, with fair inter-crystalline porosity. Dull fair yellow fluorescence with fair to good strong cut was also observed. Electrical logs indicate a three-foot zone (3,720 to 3,723) of 11% cross-plot porosity. The micro-log had visible positive separation that would indicate permeability. This zone should be perforated before abandonment of the well.

MISSISSIPPIAN CHAT

The top of the Mississippian "Chat" was topped at 3,866 (-2,159) feet. The top twenty feet of zone was drilled and circulated up. Samples were described as white tripolitic, sucrosic, fractured chert, that slightly glauconite. Porosities were fine to very fine intercrystalline, with pinpoint, vugular, and fracture being observed. Abundant bright yellow fluorescence, some good flash cut followed by very good strong cut and oil odor was recorded. Small traces of oil staining were also recorded. Two gas kicks were recorded from the gas chromatograph of 78 and 118 units respectively. The decision was

17-25-9W

made to run a drill stem test across this zone to help further evaluate with results as follows:

DST #1 Mississippian Chat (3,866 – 3,890)

Times: 30-60-60-120

Gas to Surface in 19" @ 7,261 cfg incr. 10,817 cfg stab.

Recovery: 150' heavy gas cut oily muddy saltwater

(2% oil, 28% mud 30% water 40% gas)

Flow pressures: 94-101/112-121

Shut-in pressures: 282/223

The zone tested "tight" with most likely some near well-bore damage occurring in the formation. Electric logs and samples indicate we encountered the "blue" zone of the Mississippian. Porosity in the blue zone was 32% cross-plot. The micro-log had visible positive separation that would indicate permeability. The zone should produce good quantities of gas after fracture treatments.

Below the tested interval, another 40 feet of drilling break was encountered with a gas kick of 120 units. Samples were described same as above samples, except there was an increase in fresh white slightly fractured chert. A good bright yellow fluorescence, stain and streaming cut were observed. Electric logs indicate a 40-foot zone of 20% cross-plot porosity. This zone should also have economic quantities of hydrocarbons present.

ELECTRIC LOG TOPS

	ROARK 7-17 SW SW NE 17-T25S-R9W	GASTON 1-17 NE NE SE 17-T25S-R9W	WILDIN 1-17 E/2 SE NE 17-T25S-R9W
BS. HEEBNER (subsea)	3189 (-1482)	3190 (-1481)	3187 (-1484)
LANSING (subsea)	3394 (-1687)	3390 (-1681)	3392 (-1689)
STARK SH. (subsea)	3656 (-1949)	3652 (-1943)	3654 (-1951)
HERTHA LS. (subsea)	3718 (-2011)	3718 (-2009)	3716 (-2013)

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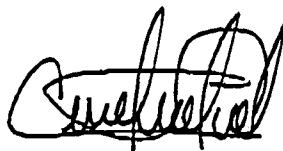
CHEROKEE SH.	3842	3844	3840
(subsea)	(-2135)	(-2135)	(-2137)
MISS. UNCON.	3866	3866	3864
(subsea)	(-2159)	(-2157)	(-2161)
KINDERHOOK SH.	3942	3952	3942
(subsea)	(-2236)	(-2243)	(-2239)

CONCLUSION

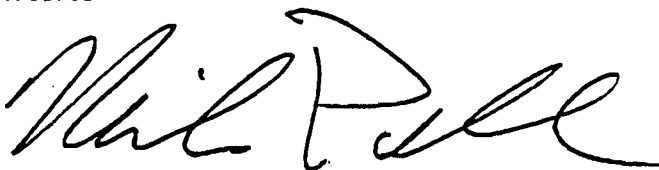
The Roark 7-17 was drilled as an extensional development well for the potential of oil and gas pay in the Mississippian Chat and Hertha Limestone. The Mississippian Chat consisted of a 60-foot thick package of chert with porosities ranging from 32% to 16%. The Hertha Limestone was a total of 3 feet thick. After all data was analyzed, the decision was made to set casing and attempt completion in the above mentioned zones.

We recommend perforating the Mississippian Chat 3,866 to 3,926 feet. The Hertha limestone should be perforated from 3,720 to 3,723 feet before abandonment of the well.

Respectfully submitted,



Carlos Escalante
Petroleum Geologist
7/05/05



Mike Pollok
Petroleum Geologist
7/05/05

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