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31-32S-11E
SE SW NE

DAVID A. BRIERLEY

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Pawhuska, Oklahoma 74056

GEOLOGICAL REPORT

OPERATOR:	Mariah Exploration LLC
WELL NAME & NUMBER:	Floyd "B" #1-M 15-019-26782-00-00
LOCATION:	NE¼ 31-32S-11E Chautauqua County, KS 3085' FSL; 1650' FEL of SE corner Sec. 31
ELEVATION:	1103' Ground Level
TOTAL DEPTH:	2442' Driller; 2442' E'log
FORMATION @ TOTAL DEPTH	Arbuckle Dolomite
CASING PROGRAM:	8 5/8" casing set at 42' 5½" @ 2314'
DRILLING COMMENCED:	Feb. 19, 2007
DRILLING COMPLETED:	Feb. 24, 2007
DRILLING CONTRACTOR:	Dixon Drilling Co. Mud Rotary
METHOD & HOLE SIZE	12¼" hole to 42' 7 7/8" hole to T.D.
STATUS:	Casing set on top of Arbuckle for open-hole SWD. Future consideration given to test Mississippi and numerous coals
SPECIAL TESTS:	None
LOGGING PROGRAM:	Osage Wireline Dual Induction, Compensated Density Side-wall Neutron, Microlog

Mariah Exploration LLC
Floyd "B" #1-M
Geological Report (continued):

E'LOG TOPS:

Elevation 1103' ground

Base Fresh Water		112
Salt Sand		990
Hogshooter Lime		1171
Layton Sand Zone		1208
Kansas City Lime		1277
Hushpuckney Shale		1336
Checkerboard Lime		1348
Lenapah Lime		1378
Wayside Sand		1396
Altamont Lime		1440
Weiser Sand Zone		1478
Pawnee Lime		1564
Oswego (Ft. Scott) Lime		1612
Summit Shale		1642
Mulky Shale		1657
Base/Oswego		1674
Bevier Coal		1698
Verdigris Coal		1714
Croweburg Coal		1717
Riverton Coal		1932
Mississippi Chat		1942
Mississippi Lime		1966
Woodford Shale		2300
Arbuckle Dolomite		2308
Total Depth	Drlr. 2442	2442

Mariah Exploration LLC
Floyd "B" #1-M
Geological Report (continued):

LITHOLOGY OF PROSPECTIVE FORMATIONS

Samples were examined from 1000' to total depth. Shows observed are indicated below.

Unnamed Limestone 188-213'

Samples were not examined, but microlog permeability with 11% porosity and log Rt of 70 indicates possible gas. Due to old shallow gas wells present in the Salt Sand, this formation is probably affected by depletion.

Salt Sand 992-1018'

Sand, gray, fine, firm to porous, micaceous and carbonaceous, no show. Log calculates 38/42 Sw, probable gas. This well is located in an old salt sand gas field and is probably depleted.

Salt Sand 1085-1094'

Sand, white, fine, micaceous and carbonaceous, firm to friable, porous, very s.s.o., slight cut on break, 30% fluorescence, Sw 52%, probable water with possible oil and gas.

Oswego Lime 1616-1620'

Limestone, light tan, crystalline, calcitic, s.s.o., odor, 30% fluorescence, Sw 23%, possible oil and gas.

Mississippi Chat 1942-1950'

Chert, white, stained with limestone, tan, dense, cherty, stained and chat, vugular, bleeding oil and gas, odor, 80% fluorescence, Sw 26% probable oil and gas.

Mississippi Chat 1954-1966'

Chert, white, weathered, stained with stained chat and limestone as above, odor, 60% fluorescence, Sw 27%, probable oil and gas with possible water.

Mississippi Chat 1975-1978'

Chert, white and white crystalline limestone with decrease in stain, Sw 26%, possible oil and gas and water.

Mariah Exploration LLC
Floyd "B" #1-M
Lithology of Prospective Formations (continued):

Mississippi Lime 2009-2013'

Limestone, white crystalline to tan, firm with chalk and white chert, scattered fluorescence, Sw 24%, strong odor at pit, decreasing to slight odor in samples, possible gas and water with possible oil.

Mississippi Lime 2038-2040'

Limestone and chert as above with decrease in chalk. Sw 19%, no odor, no fluorescence, probable water with possible gas.

Mississippi Chert Break 2210-2242'

Chert, fresh, white to tan with limestone, white/tan, firm, fine crystalline, NSO, Sw/ 37%, probable water.

Mississippi Dolomite 2242-2296'

Dolomite, dark buff, firm, sucrosic with calcite veins and chert, fresh, white to brown, fair odor, throughout with occasional trace of dull fluorescence in chert and dolomite, tight.

Arbuckle Dolomite 2308' to T. D.

Dolomite, white to tan, firm to soft, sucrosic and crytalline, vugular, porous with chert, no show, good microlog permeability for disposal.

Coal Beds and carbonaceous shales that may be considered in the future for coal bed methane are listed as follows:

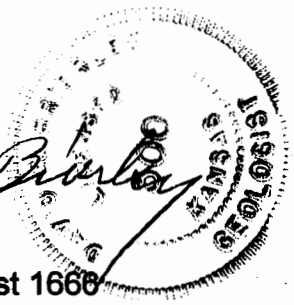
Hushpuckney Shale	1336-1339'
Summit Shale	1642-1648'
Mulky Shale	1657-1662'
Bevier Coal	1698-1701'
Riverton Coal	1932-1936'

Mariah Exploration LLC
Floyd "B" #1-M
Geological Report (continued):

SUMMARY:

The Floyd "B" #1-M was drilled as an Arbuckle Disposal Well close to the tank battery. Shows described above are for reference or to be tested in the future.

Respectfully Submitted,



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