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Mai Oil Operations
Axman-Stoss Unit #1
NE-NW-NE-SE (2480' FSL & 980' FEL)
Section 7-17s-14w
Barton County, Kansas
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Dry and Abandoned

Contractor: Southwind Drilling Co. (Rig #3)
Commenced: December 14, 2013
Completed: December 20, 2013
Elevation: 1963' K.B; 1961' D.F; 1955' G.L.
Casing program: Surface; 8 5/8" @ 941'
Production; none.
Sample: Samples saved and examined 2800' to the Rotary Total Depth.
Drilling time: One (1) foot drilling time recorded and kept 2800 ft. to the Rotary Total Depth.
Measurements: All depths measured from the Kelly Bushing.
Drill Stem Tests: There were two (2) Drill Stem Tests ran by Trilobite Testing Co.
Electric Log: None.
Commenced: December 14, 2013

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	938	+1025
Base Anhydrite	965	+998
Heebner	3140	-1177
Toronto	3152	-1189
Douglas	3172	-1209
Brown Lime	3207	-1244
Lansing	3222	-1259
Arbuckle	3484	-1521
Rotary Total Depth	3497	-1534

(All top and zone determination were made from a correlation of Electric Log measurements).

SAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.

TOPEKA SECTION

3062-3078' Limestone; tan, cream, fine and medium crystalline slightly dolomitic, poor intercrystalline type porosity, no shows.

3092-3100' Limestone; cream, white, light gray, finely crystalline, fossiliferous, trace spotty stain, no free oil and no odor in fresh samples.

TORONTO SECTION

3152-3162' Limestone; white, cream, finely crystalline, few fossiliferous, chalky, poor pinpoint porosity, trace poor stain, no free oil and no odor.

LANSING SECTION

3222-3228' Limestone; white, cream, finely crystalline, oolitic/fossiliferous, chalky, poor visible porosity, plus white/cream, chert.

3240-3248' Limestone; cream, tan, finely crystalline, oolitic, poor porosity, chalky in part, plus chert as above.

3273-3280' Limestone; cream, white, finely crystalline, oolitic, chalky, poor porosity, no shows.

3298-3306' Limestone; cream, white, tan, finely crystalline, oolitic, oomoldic, poor to fair oomoldic porosity, golden brown stain, show of free oil and faint odor in fresh samples.

Drill Stem Test #1 3260-3305'

Times: 30-45-45-60

Blow: Strong

**Recovery: 90' thin watery mud
180' muddy water**

**Pressures: ISIP 576 psi
FSIP 559 psi
IFP 21-83 psi
FFP 85-150 psi
HSH 1606-1597 psi**

3348-3353' Limestone; cream, white, tan, finely crystalline, few oolitic/fossiliferous, slightly chalky, poor visible porosity, no shows.

3376-3386' Limestone; cream, tan, finely crystalline, few fossiliferous, chalky, poorly develop porosity, spotty brown stain, no show of free oil and no door.

3400-3410' Limestone; cream, white, finely crystalline, dense.

CONGLOMERATE SECTION

3438-3484' Varied colored chert in matrix of varied colored shale.

**Pressures: ISIP 576 psi
FSIP 559 psi
IFP 21-83 psi
FFP 85-150 psi
HSH 1606-1597 psi**

ARBUCKLE SECTION

3484-3497' Dolomite; white/cream, fine and medium crystalline, poor to fair intercrystalline to fine vuggy porosity, scattered stain, trace free oil and faint odor in fresh samples

Drill Stem Test #2 3414-3497'

Times: 15-45-15-45

Blow: Strong

Recovery: 2450' muddy water

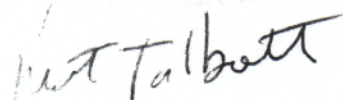
Pressures: ISIP 1130 psi
FSIP 1151 psi
IFP 881-1054 psi
FFP 1072-1130 psi
HSH 1726-1686 psi

Rotary Total Depth 3497

Recommendations:

The Mai Oil Operations, Axman-Stoss Unit #1 was plugged and abandoned at the Rotary Total Depth 3497.

Respectfully submitted;



Kurt Talbott,
Petroleum Geologist

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