

REPORT COPY

GEOLOGICAL REPORT

for



MAI OIL OPERATIONS, INC

No. 1 ROBERTSON
700' FSL & 1650' FWL
Section 11-9S-20W
Rooks County, Kansas

RECEIVED
OCT 06 2004
KCC WICHITA



Todd E. Morgenstern

Petroleum Geologist
Sunflower Bank Building
P.O. Box 251
Ellinwood, Kansas 67526

OPERATOR: Mai Oil Operations, Inc.

WELL: No. 1 Robertson
API # 15-163-23421-00-00

LOCATION: 700' FSL & 1650' FWL
Section 11-9S-20W
Rooks County, Kansas

FIELD: Wildcat

CONTRACTOR: Murfin Drilling, Inc., Rig No.16

DRILLING COMMENCED: 8-17-2004

DRILLING COMPLETED: 8-22-2004

DRILLING TIME: One (1) foot drilling time was recorded
from 3000' to 3650' RTD.

SAMPLES: Samples were saved and examined from 3000'
to 3650' RTD.

ELEVATIONS: 2118' Ground Level 2123' Kelly Bushing

MEASUREMENTS: All depths are measured from 2123' K.B.

CASING RECORD: 8 5/8" Surface Casing set @ 227' with 160 sxs. 60/40 poz

FORMATION TESTING: One (1) test was run by Trilobite Testing, Inc.
Dan Bangle, Tester

MUD: Andy's Mud & Chemical (Chemical Mud)
Andy Werth, Engineer

OPEN HOLE LOGS: No logs were run.

PRODUCTION: Dry & Abandoned

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FORMATION TOPS:

FORMATION	SAMPLE	DATUM
ANHYDRITE	1591'	+ 532'
BASE ANHYDRITE	1629'	+ 494'
TOPEKA	3118'	- 995'
HEEBNER	3324'	-1201'
TORONTO	3350'	-1227'
LANSING	3363'	-1240'
BASE K.C.	3579'	-1456'
ARBUCKLE	3627'	-1504'
ROTARY TOTAL DEPTH	3650'	-1527'

SAMPLE DESCRIPTIONS AND TEST DATA:

TOPEKA:

3146-3154 Limestone, cream and gray, finely crystalline, slightly fossiliferous, chalky, with poor visible intercrystalline porosity, no shows of oil were noted.

3274-3282 Limestone, gray and cream, finely crystalline, fossiliferous, with fair to good visible intercrystalline porosity, with trace of dark, dead appearing staining, no show of free oil, no odor.

3292-3298 Limestone, gray and tan, finely crystalline, fossiliferous, with poor visible intercrystalline porosity, slightly chalky, with scattered spotted staining, very slight show of oil on break, dark, dead appearing staining, no odor.

TORONTO:

3350-3358 Limestone, tan, and cream, finely crystalline, dense, chalky in part, no shows of oil were noted.

LANSING:

3363-3370 Limestone, white and cream, finely crystalline, oolitic in part, with poor visible porosity, abundant white translucent chert, slightly chalky, no shows of oil were noted.

3408-3414 Limestone, white, tan and cream, finely crystalline, oolitic and slightly fossiliferous, with trace of intercrystalline porosity, slightly chalky, no shows of oil were noted.

3425-3430 Limestone, white, finely crystalline, fossiliferous, with poor to fair visible porosity, chalky in part, with trace of scattered light staining, very slight show of oil on break, no odor.

3445-3450 Limestone, tan and cream, finely crystalline, fossiliferous and oolitic, with poor to fair visible interparticle porosity, slight show of free oil, light odor. (Covered by D.S.T. No. 1)

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FORMATION TEST NO. 1

Lansing-K.C. 'F'
Tested from 3433' -3450'

<i>Weak blow building to 8 inches</i>	45 min.	I.H.P.	1657#
<i>No blow back</i>	45 min.	I.F.P.	12# -113#
<i>Weak blow building to 4 inches</i>	45 min.	<u>I.S.I.P.</u>	<u>951#</u>
<i>No blow back</i>	60 min.	F.F.P.	116# -177#
		<u>F.S.I.P.</u>	<u>946#</u>
		F.H.P.	1632#

RECOVERY: 340' Muddy Water

TEMPERATURE: 108*

CHLORIDES: 80,000 p.p.m. (Recovery), 1,500 p.p.m. (System)

- 3456-3462 Limestone, buff and tan, finely crystalline, oolitic and oolitic, with fair to good visible oolitic and pinhole porosity, trace of scattered staining, no show of free oil, no odor.
- 3495-3505 Limestone, cream and tan, finely crystalline, dense, fossiliferous in part, with poor visible porosity, no shows of oil were noted.
- 3517-3524 Limestone, cream and tan, dense, finely crystalline, slightly cherty, with poor visible porosity, no shows of oil were noted.
- 3535-3543 Limestone, gray, dense, finely crystalline, chalky, fossiliferous in part, no shows of oil were noted.
- 3555-3563 Limestone, white, very finely crystalline, dense, slightly fossiliferous, no shows of oil were noted.
- 3574-3579 Limestone, as above, with abundant gray shale.

ARBUCKLE:

- 3627-3635 Dolomite, gray and tan, dense, very finely crystalline, with abundant vari-colored chert and shale, no shows of oil, appears to be weathered Arbuckle.
- 3636-3644 Dolomite, gray and tan, dense, very finely crystalline, with poor visible intercrystalline porosity, trace of scattered staining, very slight show of oil on break, no odor.
- 3645-3650 Dolomite, as above.

STRUCTURAL COMPARISON:

	Mai Oil Opr.	C.C. & S. Oil
	No. 1 Robertson	No. 1 Lambert
	700' fsl, 1650' fwl	NW-SW-SW
	Sec. 11-9S-20W	Sec. 11-9S-20W
	D&A	D&A
ANHYDRITE	+ 532'	+ 517'
TOPEKA	- 995'	-994'
HEEBNER	-1201'	-1200'
TORONTO	-1227'	N/A
LANSING	-1240'	-1245'
BASE K.C.	-1456'	-1461'
ARBUCKLE	-1504'	-1513'

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SUMMARY:

The No. 1 Robertson was under geological supervision from 3100' to 3650' RTD. With the poor structural position and negative results of D.S.T. No. 1 in the Lansing-Kansas City, it was recommended that this well be plugged and abandoned.

Respectfully submitted,

Todd E. Morgenstern

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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mai Oil Operations Inc

Robertson #1

P O Box 33
Russell Ks 67665

11-9-20-Rooks-Ks

Job Ticket: 20284

DST#: 1

ATTN: Allen Barigert

Test Start: 2004.08.20 @ 23:20:19

GENERAL INFORMATION:

Formation: F LKC

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:03:19

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Time Test Ended: 05:47:49

Unit No: 21

Interval: 3433.00 ft (KB) To 3450.00 ft (KB) (TVD)

Reference Elevations: 2123.00 ft (KB)

Total Depth: 3450.00 ft (KB) (TVD)

2118.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6799

Inside

Press@RunDepth: 177.77 psig @ 3434.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2004.08.20

End Date: 2004.08.21

Last Calib.: 2004.08.21

Start Time: 23:20:20

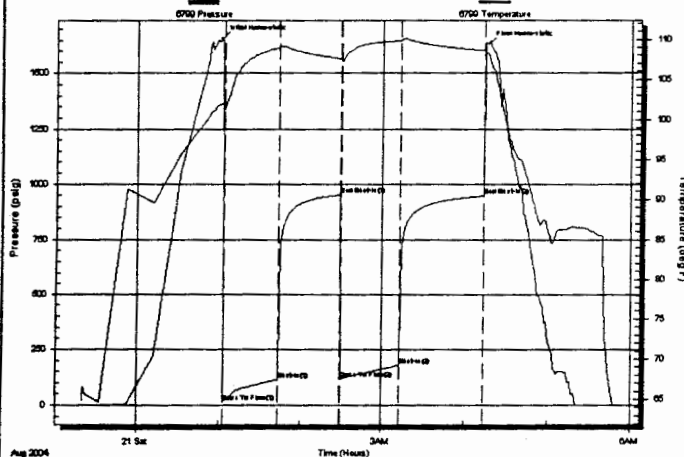
End Time: 05:47:49

Time On Btm: 2004.08.21 @ 01:01:19

Time Off Btm: 2004.08.21 @ 04:16:19

TEST COMMENT: F-Weak building to 10"
FF-Weak building to 4"
Times-45-45-45-60

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1657.47	101.93	Initial Hydro-static
2	12.40	101.26	Open To Flow (1)
43	113.90	108.86	Shut-In(1)
88	951.45	107.57	End Shut-In(1)
88	116.71	107.17	Open To Flow (2)
132	177.77	109.84	Shut-In(2)
192	946.08	108.58	End Shut-In(2)
195	1632.33	108.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
340.00	Mby Wtr	3.64

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

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