



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Mai Oil Operations Inc

PO Box 33
Russell KS 67665

ATTN: Allen Bangert

Howard Mai # 2

22 15 14 Russell KS

Job Ticket: 30610

DST#: 1

Test Start: 2007.10.22 @ 00:14:11

GENERAL INFORMATION:

Formation: A-C LKC

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:01:11

Time Test Ended: 06:44:56

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 38

Interval: 3059.00 ft (KB) To 3145.00 ft (KB) (TVD)

Total Depth: 3145.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1894.00 ft (KB)

1886.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6741

Inside

Press@RunDepth: 75.54 psig @ 3062.00 ft (KB)

Start Date: 2007.10.22

End Date:

2007.10.22

Start Time: 00:14:13

End Time:

06:44:56

Capacity: 7000.00 psig

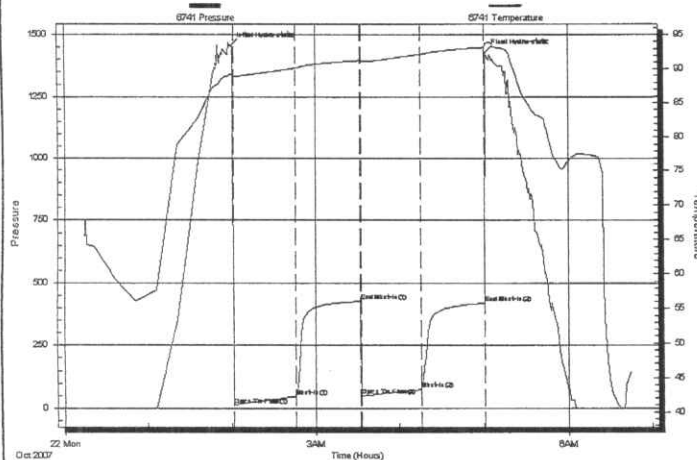
Last Calib.: 2007.10.22

Time On Btm: 2007.10.22 @ 01:59:21

Time Off Btm: 2007.10.22 @ 05:01:41

TEST COMMENT: IF Weak building to 1 "
FF Weak building to 1 1/2 "

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1456.20	89.19	Initial Hydro-static
2	11.85	88.96	Open To Flow (1)
47	47.12	90.14	Shut-In(1)
94	426.88	91.24	End Shut-In(1)
94	48.98	91.13	Open To Flow (2)
137	75.54	92.17	Shut-In(2)
182	419.52	93.17	End Shut-In(2)
183	1427.30	93.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
58.00	SillyOCMV 5%O 65%W 30%M	0.81
62.00	HOCM 40%O 60%M	0.87
20.00	HMCO 80%O 20%M	0.28

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)
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KANSAS CORPORATION COMMISSION

JAN 18 2008

CONSERVATION DIVISION
WICHITA, KS



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Mai Oil Operations Inc

PO Box 33
Russell KS 67665

ATTN: Allen Bangert

Howard Mai # 2

22 15 14 Russell KS

Job Ticket: 30611

DST#: 2

Test Start: 2007.10.22 @ 14:28:58

GENERAL INFORMATION:

Formation: **E-F LKC**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:46:38

Time Test Ended: 18:05:13

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 38

Interval: **3154.00 ft (KB) To 3182.00 ft (KB) (TVD)**

Total Depth: 3182.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1894.00 ft (KB)

1886.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6741

Inside

Press@RunDepth: 17.83 psig @ 3155.00 ft (KB)

Start Date: 2007.10.22

End Date:

2007.10.22

Start Time: 14:29:00

End Time:

18:05:13

Capacity: 7000.00 psig

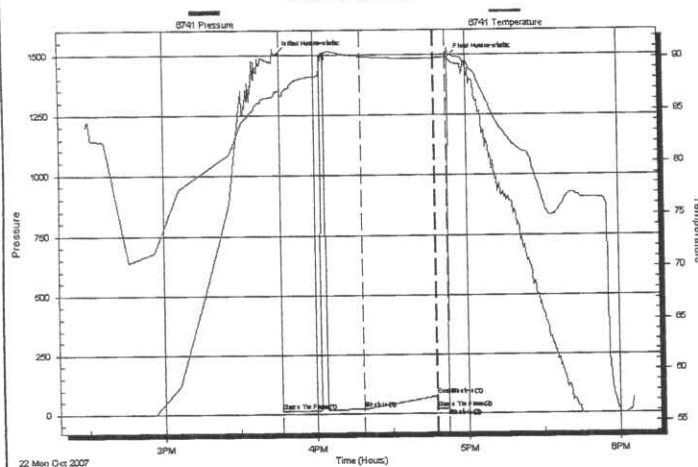
Last Calib.: 2007.10.22

Time On Btm: 2007.10.22 @ 15:45:28

Time Off Btm: 2007.10.22 @ 16:52:43

TEST COMMENT: IF Weak building to 1" then decreasing to no blow in 25 min flushed tool
FF Weak died in 2 min

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1501.25	86.81	Initial Hydro-static
2	11.27	86.24	Open To Flow (1)
34	17.83	90.14	Shut-In(1)
62	73.24	89.89	End Shut-In(1)
62	18.27	89.93	Open To Flow (2)
67	18.55	90.06	Shut-In(2)
68	1487.10	90.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	DM	0.21

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)
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DRILL STEM TEST REPORT

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PO Box 33
Russell KS 67665

ATTN: Allen Bangert

Howard Mai # 2

22 15 14 Russell KS

Job Ticket: 30612

DST#: 3

Test Start: 2007.10.23 @ 07:43:45

GENERAL INFORMATION:

Formation: **H-K LKC**
Deviated: No Whipstock ft (KB)

Time Tool Opened: 09:20:05

Time Test Ended: 13:52:00

Interval: **3230.00 ft (KB) To 3300.00 ft (KB) (TVD)**

Total Depth: 3300.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 38

Reference Elevations: 1894.00 ft (KB)

1886.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: **6741** Inside

Press@RunDepth: 59.05 psig @ 3233.00 ft (KB)

Start Date: 2007.10.23

End Date:

2007.10.23

Start Time: 07:43:47

End Time:

13:52:00

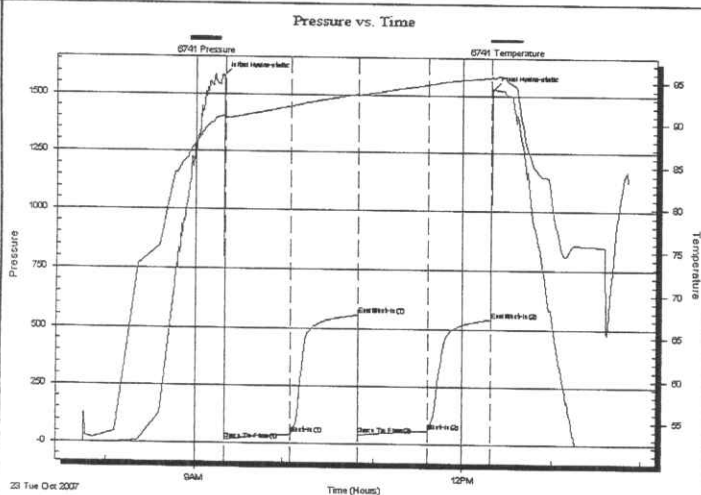
Capacity: 7000.00 psig

Last Calib.: 2007.10.23

Time On Btm: 2007.10.23 @ 09:18:55

Time Off Btm: 2007.10.23 @ 12:20:00

TEST COMMENT: IF Weak building to 1/2 " then decreasing to weak surface blow in 45 min
FF Weak building to 1/2 " then decreasing to weak surface blow in 45 min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1578.33	90.85	Initial Hydro-static
2	13.72	90.50	Open To Flow (1)
47	38.83	92.04	Shut-In (1)
91	555.74	93.53	End Shut-In (1)
92	40.31	93.44	Open To Flow (2)
138	59.05	94.69	Shut-In (2)
181	540.94	95.60	End Shut-In (2)
182	1526.93	95.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	DM	0.84
15.00	Silly OCM 5% O 95% M	0.21

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)
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ATTN: Allen Bangert

Howard Mai # 2

22 15 14 Russell KS

Job Ticket: 30613

DST#: 4

Test Start: 2007.10.23 @ 23:57:01

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock ft (KB)

Time Tool Opened: 01:47:31

Time Test Ended: 07:17:46

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 38

Interval: **3294.00 ft (KB) To 3354.00 ft (KB) (TVD)**

Total Depth: 3354.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1894.00 ft (KB)

1886.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6741

Inside

Press@RunDepth: 459.24 psig @ 3297.00 ft (KB)

Start Date: 2007.10.23

End Date:

2007.10.24

Start Time: 23:57:03

End Time:

07:17:46

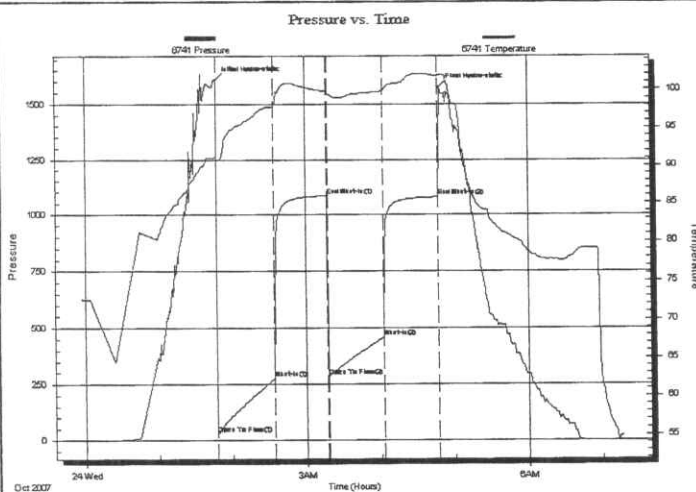
Capacity: 7000.00 psig

Last Calib.: 2007.10.24

Time On Btm: 2007.10.24 @ 01:47:11

Time Off Btm: 2007.10.24 @ 04:48:16

TEST COMMENT: IF Strong B-B in 5 min
ISI Weak building to 1 1/2 "
FF Strong B-B in 6 min
FSI Weak surface blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1608.52	91.08	Initial Hydro-static
1	27.55	90.76	Open To Flow (1)
48	277.28	97.77	Shut-In(1)
90	1082.90	99.81	End Shut-In(1)
91	285.93	99.57	Open To Flow (2)
136	459.24	99.78	Shut-In(2)
181	1077.02	101.74	End Shut-In(2)
182	1573.52	101.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
370.00	HOCGM 10%G 70%O 20%M	5.19
851.00	CGO	11.94
0.00	140 GIP	0.00

Gas Rates

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