DRILL STEM TEST REPORT

Mai Oil Operations Inc

8400 Preston Rd Ste 800
Dallas Tx 75225

ATTN: Kurt Mai

Gerard Axman # 1

28-17-15-Barton KS

Job Ticket: 038997 **DST#: 1**

Test Start: 2010.07.18 @ 02:26:26

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GENERAL INFORMATION:

Formation: **B-C LKC**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 04:11:11
Time Test Ended: 08:32:11

Test Type: Conventional Bottom Hole
Tester: Dan Bangle
Unit No: 38

Interval: 3350.00 ft (KB) To 3385.00 ft (KB) (TVD)
Total Depth: 3385.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

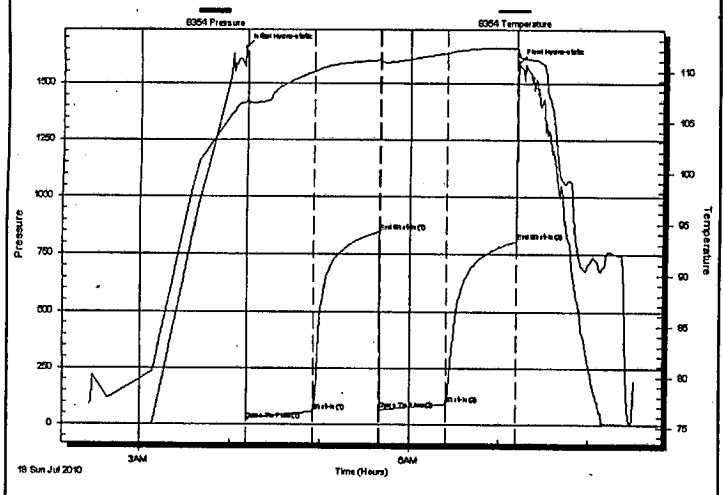
Reference Elevations: 2046.00 ft (KB)
2038.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8354 **Inside**
Press@RunDepth: 89.10 psig @ 3351.00 ft (KB)
Start Date: 2010.07.18 End Date: 2010.07.18
Start Time: 02:26:27 End Time: 08:32:11

Capacity: 8000.00 psig
Last Calib.: 2010.07.18
Time On Btm: 2010.07.18 @ 04:09:41
Time Off Btm: 2010.07.18 @ 07:12:56

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

FFWeak steady surface blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1655.19	106.98	Initial Hydro-static
2	17.73	106.50	Open To Flow (1)
46	56.74	109.96	Shut-In(1)
90	846.83	111.09	End Shut-In(1)
91	65.10	110.89	Open To Flow (2)
135	89.10	111.75	Shut-In(2)
182	806.71	112.29	End Shut-In(2)
184	1590.67	111.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
150.00	Wtr Rw .11 @ 80 = 60000ppm	1.83

Gas Rates

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

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

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Test Ticket

NO. 038997 14537

Well Name & No. Gerard Axman #1 Test No. 1 Date 7-18-10

Company Mai Oil Operations, Inc Elevation 2046 KB 2038 GL

Address 8400 Preston Rd. Ste 800 Dallas Tx. 75225

Co. Rep / Geo. Kitt Noah Rig Southwind #3

Location: Sec. 28 Twp. 17 Rge. 15 Co. Barton State Ks

Interval Tested 3350 — 3385 Zone Tested B-C LKC

Anchor Length 35 Drill Pipe Run 3315 Mud Wt. 8.9

Top Packer Depth 3345 Drill Collars Run 70 Vis 55

Bottom Packer Depth 3350 Wt. Pipe Run — WL 8.8

Total Depth 3385 Chlorides 3600 ppm System LCM —

Blow Description I.F. Weak-building to 2½"

F.F. Weak steady surface blow

Rec 150	Feet of WTR	%gas	%oil	100	%water	%mud
Rec	Feet of	%gas	%oil		%water	%mud
Rec	Feet of	%gas	%oil		%water	%mud
Rec	Feet of	%gas	%oil		%water	%mud
Rec	Feet of	%gas	%oil		%water	%mud

Rec Total 150 BHT 112 Gravity ____ API RW .11 @ 80 °F Chlorides 60,000 ppm

(A) Initial Hydrostatic	1655	☐ Test 1125	T-On Location 05:15
(B) First Initial Flow	17	☐ Jars	T-Started 05:26
(C) First Final Flow	56	☐ Safety Joint	T-Open 04:10
(D) Initial Shut-In	846	☐ Circ Sub	T-Pulled 07:10
(E) Second Initial Flow	65	☐ Hourly Standby	T-Out 08:32
(F) Second Final Flow	89	☐ Mileage 84RT 105	Comments
(G) Final Shut-In	806	☐ Sampler	
(H) Final Hydrostatic	1590	☐ Straddle	☐ Ruined Shale Packer
		☐ Shale Packer	☐ Ruined Packer
Initial Open	45	☐ Extra Packer	☐ Extra Copies
Initial Shut-In	45	☐ Extra Recorder	Sub Total
Final Flow	45	☐ Day Standby	Total
Final Shut-In	45	☐ Accessibility	MP/DST Disc't
		Sub Total 1230	

Approved By ____ Our Representative Don Bangle

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DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Mai Oil Operations Inc

8400 Preston Rd Ste 800
Dallas Tx 75225

ATTN: Kurt Mai

Gerard Axman # 1

28-17-15-Barton KS

Job Ticket: 038998 **DST#: 2**

Test Start: 2010.07.18 @ 18:28:18

GENERAL INFORMATION:

Formation: E-F LKC
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:51:18
Time Test Ended: 00:26:18

Test Type: Conventional Bottom Hole
Tester: Dan Bangle
Unit No: 38

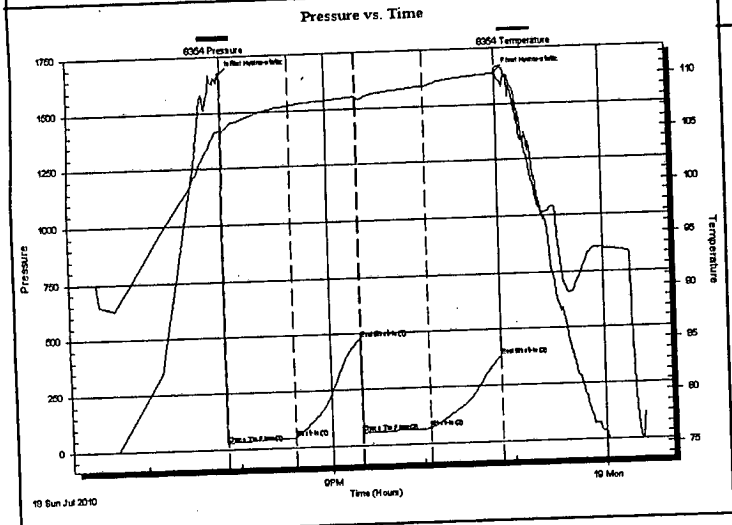
Reference Elevations: 2046.00 ft (KB)
2038.00 ft (CF)
KB to GR/CF: 8.00 ft

Interval: 3397.00 ft (KB) To 3432.00 ft (KB) (TVD)
Total Depth: 3432.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Serial #: 8354 **Inside**
Press@RunDepth: 67.39 psig @ 3398.00 ft (KB)
Start Date: 2010.07.18 End Date: 2010.07.19
Start Time: 18:28:19 End Time: 00:26:18

Capacity: 8000.00 psig
Last Calib.: 2010.07.19
Time On Btm: 2010.07.18 @ 19:50:48
Time Off Btm: 2010.07.18 @ 22:52:03

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



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1668.35	105.57	Initial Hydro-static
1	23.92	105.21	Open To Flow (1)
46	44.85	107.75	Shut-In(1)
89	477.90	108.43	End Shut-In(1)
89	57.33	108.32	Open To Flow (2)
134	67.39	109.21	Shut-In(2)
181	382.18	110.21	End Shut-In(2)
182	1640.83	110.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	MCGsyO 10%g 70%o 20%m	0.57
75.00	CGsyO 20%g 80%o	1.05
0.00	1175 GIP	0.00

Gas Rates

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

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

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Test Ticket

NO. 038998

Well Name & No. Gerard Axman #1 Test No. 2 Date 7-18-10

Company Mai Oil Operations Inc Elevation 3046 KB 3038 GL

Address

Co. Rep / Geo. Kit Noah Rig Southwind #3

Location: Sec. 28 Twp. 17 Rge. 15 Co. Barton State KS

Interval Tested 3397 — 3432 Zone Tested E-F LKC

Anchor Length 35 Drill Pipe Run 3377 Mud Wt. 9.2

Top Packer Depth 3392 Drill Collars Run 30 Vis 55

Bottom Packer Depth 3397 Wt. Pipe Run — WL 7.2

Total Depth 3432 Chlorides 4000 ppm System LCM —

Blow Description E.F. Strong B-B in 6 min.
L.S.I - Weak - building to 1"
F.F. Strong B-B in 1 min
F.S.I - Weak - building to 2"

Rec 75	Feet of CGsyoc	20 %gas	80 %oil	%water	%mud	
Rec 60	Feet of MCGsyo	10 %gas	70 %oil	%water	20 %mud	
Rec 1175	Feet of GIP	%gas	%oil	%water	%mud	
Rec	Feet of	%gas	%oil	%water	%mud	
Rec	Feet of	%gas	%oil	%water	%mud	

Rec Total 1335 BHT 110 Gravity 28 API RW @ °F Chlorides ppm

(A) Initial Hydrostatic 1668	☐ Test 1125	T-On Location 18:10	
(B) First Initial Flow 23	☐ Jars	T-Started 18:28	
(C) First Final Flow 44	☐ Safety Joint	T-Open 19:52	
(D) Initial Shut-In 477	☐ Circ Sub	T-Pulled 22:52	
(E) Second Initial Flow 57	☐ Hourly Standby	T-Out 00:26	
(F) Second Final Flow 67	☐ Mileage 84/RT 105	Comments	
(G) Final Shut-In 382	☐ Sampler		
(H) Final Hydrostatic 1640	☐ Straddle	☐ Ruined Shale Packer	
	☐ Shale Packer	☐ Ruined Packer	
Initial Open 45	☐ Extra Packer	☐ Extra Copies	
Initial Shut-In 45	☐ Extra Recorder	Sub Total 0	
Final Flow 45	☐ Day Standby	Total 1230	
Final Shut-In 45	☐ Accessibility	MP/DST Disc't	
	Sub Total 1230		

Approved By Our Representative Don Beagle

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DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Mai Oil Operations Inc

8400 Preston Rd Ste 800
Dallas Tx 75225

ATTN: Kurt Mai

Gerard Axman # 1

28-17-15-Barton KS

Job Ticket: 038999 DST#: 3

Test Start: 2010.07.19 @ 12:30:54

GENERAL INFORMATION:

Formation: H-J
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:55:54
Time Test Ended: 18:29:39

Test Type: Conventional Bottom Hole
Tester: Dan Bangle
Unit No: 38

Interval: 3473.00 ft (KB) To 3530.00 ft (KB) (TVD)
Total Depth: 3530.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

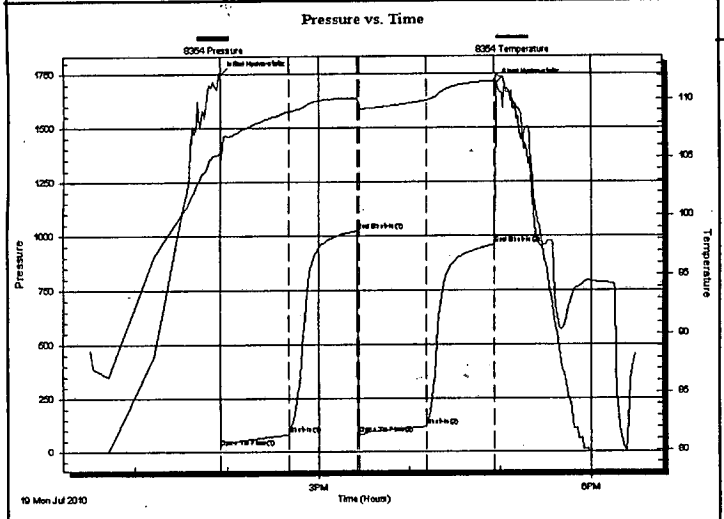
Reference Elevations: 2046.00 ft (KB)
2038.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8354 **Inside**
Press@RunDepth: 117.25 psig @ 3480.00 ft (KB)
Start Date: 2010.07.19 End Date: 2010.07.19
Start Time: 12:30:55 End Time: 18:29:39

Capacity: 8000.00 psig
Last Calib.: 2010.07.19
Time On Btm: 2010.07.19 @ 13:55:39
Time Off Btm: 2010.07.19 @ 16:57:39

TEST COMMENT: IF-Strong B-B in 4 min

FF-Strong B-B in 1 min
FSI-Weak building to 3" GTS in 35 min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1747.54	105.36	Initial Hydro-static
1	22.46	104.79	Open To Flow (1)
45	80.78	108.89	Shut-In(1)
90	1021.40	110.03	End Shut-In(1)
92	81.69	109.34	Open To Flow (2)
136	117.25	109.88	Shut-In(2)
181	956.42	111.49	End Shut-In(2)
182	1706.84	112.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
240.00	O&GCM 40%g 30%0 30%m	3.09
10.00	OCM 40%o 60%m	0.14
0.00	GTS on FSI in 35 min	0.00

Gas Rates

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

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

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Test Ticket

NO. 038999

Well Name & No. Gerard Axman #1 Test No. 3 Date 7-19-10

Company Maj Oil Operations Inc Elevation 2046 KB 2038 GL

Address

Co. Rep / Geo. Kitt Noah Rig Southwind #3

Location: Sec. 28 Twp. 17 Rge. 15 Co. Barton State KS

Interval Tested 3473 — 3530 Zone Tested H-J LKC

Anchor Length 57 Drill Pipe Run 3441 Mud Wt. 9.1

Top Packer Depth 3468 Drill Collars Run 30 Vis 59

Bottom Packer Depth 3473 Wt. Pipe Run — WL 8.8

Total Depth 3530 Chlorides 7,000 ppm System LCM —

Blow Description I.F. Strong B-B in 4 min.

F.F. Strong-B-B in 1 min.

FSI-Weak-building to 3" GTS 35 min.

Rec 10	Feet of OCM	%gas 40	%oil	%water 60	%mud		
Rec 240	Feet of OCGCM	40 %gas	30 %oil	%water 30	%mud		
Rec	Feet of GTS FSI	%gas	%oil	%water	%mud		
Rec	Feet of	%gas	%oil	%water	%mud		
Rec	Feet of	%gas	%oil	%water	%mud		

Rec Total 250 BHT 111 Gravity ____ API RW ____ @ ____ °F Chlorides ____ ppm

(A) Initial Hydrostatic 1747	☐ Test 1125	T-On Location 12:05	
(B) First Initial Flow 22	☐ Jars	T-Started 12:30	
(C) First Final Flow 80	☐ Safety Joint	T-Open 13:55	
(D) Initial Shut-In 1021	☐ Circ Sub	T-Pulled 16:55	
(E) Second Initial Flow 81	☐ Hourly Standby	T-Out 18:29	
(F) Second Final Flow 117	☐ Mileage 64 RT 105	Comments	
(G) Final Shut-In 956	☐ Sampler		
(H) Final Hydrostatic 1557	☐ Straddle	☐ Ruined Shale Packer	
	☐ Shale Packer	☐ Ruined Packer	
Initial Open 45	☐ Extra Packer	☐ Extra Copies	
Initial Shut-In 45	☐ Extra Recorder	Sub Total 0	
Final Flow 45	☐ Day Standby	Total 1230	
Final Shut-In 45	☐ Accessibility	MP/DST Disc't	
	Sub Total 1230		

Approved By ____ Our Representative Dan Bangle

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DRILL STEM TEST REPORT

Mai Oil Operations Inc

8400 Preston Rd Ste 800
Dallas Tx 75225

ATTN: Kurt Mai

Gerard Axman # 1

28-17-15-Barton KS

Job Ticket: 39000 **DST#: 4**

Test Start: 2010.07.20 @ 08:27:09

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:05:09
Time Test Ended: 13:19:09

Test Type: Conventional Bottom Hole
Tester: Dustin Rash
Unit No: 38

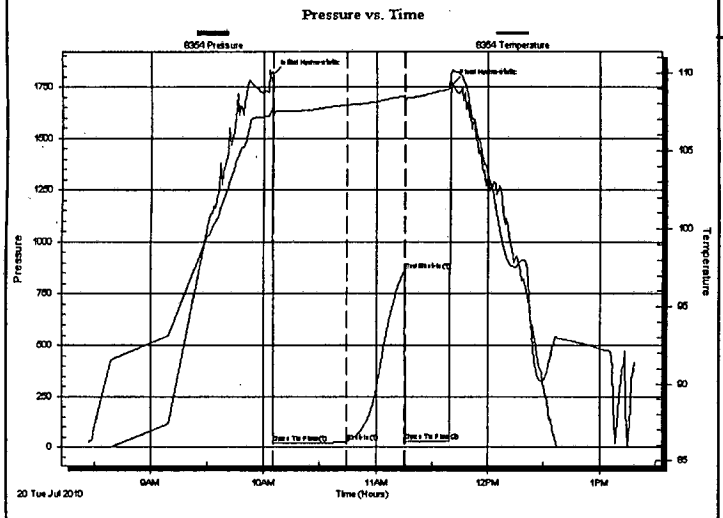
Interval: 3571.00 ft (KB) To 3602.00 ft (KB) (TVD)
Total Depth: 3602.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2046.00 ft (KB)
2038.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8354 **Inside**
Press@RunDepth: 23.99 psig @ 3577.00 ft (KB)
Start Date: 2010.07.20 End Date: 2010.07.20
Start Time: 08:27:10 End Time: 13:19:09

Capacity: 8000.00 psig
Last Calib.: 2010.07.20
Time On Btm: 2010.07.20 @ 10:04:54
Time Off Btm: 2010.07.20 @ 11:40:39

TEST COMMENT: IF- Weak surface blow . Blow died off and on.
ISI- No blow back.
FF- Weak surface blow after 6 minutes. Flushed and pulled tool.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1812.59	107.80	Initial Hydro-static
1	19.82	107.25	Open To Flow (1)
39	23.99	107.92	Shut-In(1)
71	863.83	108.51	End Shut-In(1)
71	29.26	108.17	Open To Flow (2)
96	1762.74	110.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
35.00	70%Mud/30%Oil	0.22

Gas Rates

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

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Test Ticket

NO. 039000

Well Name & No. Gerald Axman Test No. 4 Date 7-20-10

Company Mai Oil Operations, Inc. Elevation 2046 KB 2038 GL

Address 8400 Preston Rd. #800 Dallas, Tx 75225

Co. Rep / Geo. Kitt Noal Rig Southwind #3

Location: Sec. 28 Twp. 17S Rge. 15W Co. Barton State KS

Interval Tested 3571-3602 Zone Tested Arbuckle

Anchor Length 31' Drill Pipe Run 3536 Mud Wt. 9.4

Top Packer Depth 3566 Drill Collars Run 30 Vis 56

Bottom Packer Depth 3571 Wt. Pipe Run — WL 9.6

Total Depth 3602 Chlorides 6200 ppm System LCM Nil

Blow Description IF- Weak surface blow. Died off/on.

ISI- No blowback.

FF- Weak blow-surface after 6 minutes. Flushed + Pulled Tool.

Rec 35	Feet of Mud/Oil	%gas 30	%oil	%water 70	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 35' BHT 108 Gravity ____ API RW ____ @ ____ °F Chlorides ____ ppm

(A) Initial Hydrostatic 1813	☒ Test 1125~	T-On Location 0800	
(B) First Initial Flow 20	☐ Jars	T-Started 0830	
(C) First Final Flow 24	☐ Safety Joint	T-Open 1005	
(D) Initial Shut-In 864	☐ Circ Sub	T-Pulled 1130	
(E) Second Initial Flow 29	☐ Hourly Standby	T-Out 1320	
(F) Second Final Flow Pulled	☑ Mileage 84 RT 105~	Comments	
(G) Final Shut-In N/A	☐ Sampler		
(H) Final Hydrostatic 1763	☐ Straddle	☐ Ruined Shale Packer	
	☐ Shale Packer	☐ Ruined Packer	
Initial Open 30	☐ Extra Packer	☐ Extra Copies	
Initial Shut-In 30	☐ Extra Recorder	Sub Total 0	
Final Flow Flushed + Pulled	☐ Day Standby	Total 1230~	
Final Shut-In N/A	☐ Accessibility	MP/DST Disc't	
	Sub Total 1230~		

Approved By ____ Our Representative D. Rash

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