TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Mai Oil Operations Inc

8411 Preston Rd
Ste 800
Dallas TX 75225-5520
ATTN: Allen Bangert

Strecker #1

12 16S 15W Barton KS

Job Ticket: 38207 **DST#: 1**

Test Start: 2010.03.19 @ 00:38:28

GENERAL INFORMATION:

Formation: **LKC B-C**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 02:44:23
Time Test Ended: 07:09:22

Test Type: Conventional Bottom Hole
Tester: Ray Schwager
Unit No: 42

Interval: 3174.00 ft (KB) To 3206.00 ft (KB) (TVD)
Total Depth: 3206.00 ft (KB) (TVD)
Hole Diameter: 7.85 inches Hole Condition: Poor

Reference Elevations: 1940.00 ft (KB)
1932.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8365 **Inside**
Press@RunDepth: 55.65 psig @ 3178.01 ft (KB)
Start Date: 2010.03.19 End Date: 2010.03.19
Start Time: 00:38:28 End Time: 07:09:22

Capacity: 8000.00 psig
Last Calib.: 2010.03.19
Time On Btm: 2010.03.19 @ 02:42:23
Time Off Btm: 2010.03.19 @ 05:45:22

TEST COMMENT: IFP-w k bl 1/2"to 2"bl
FFP-w k bl surface to 1/4"bl
Times 45-45-45-45

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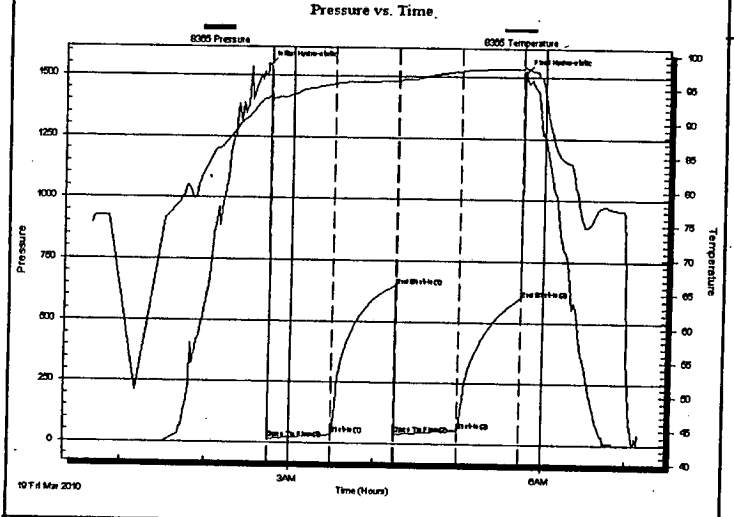

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1542.24	93.63	Initial Hydro-static
2	13.87	93.25	Open To Flow (1)
47	34.20	95.63	Shut-In(1)
92	646.02	96.06	End Shut-In(1)
93	38.67	95.94	Open To Flow (2)
137	55.65	97.55	Shut-In(2)
182	598.32	98.00	End Shut-In(2)
183	1517.38	98.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	MW 20%M80%W w/show of oil	1.26

Gas Rates

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

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Strecker #1

12 16S 15W Barton KS

Job Ticket: 38208 **DST#: 2**

Test Start: 2010.03.19 @ 16:02:43

GENERAL INFORMATION:

Formation: LKC E-F
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:08:08
Time Test Ended: 22:53:07

Test Type: Conventional Bottom Hole
Tester: Ray Schwager
Unit No: 42

Interval: 3221.00 ft (KB) To 3260.00 ft (KB) (TVD)
Total Depth: 3260.00 ft (KB) (TVD)
Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 1940.00 ft (KB)
1932.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8365 **Inside**

Press@RunDepth: 111.77 psig @ 3227.01 ft (KB)
Start Date: 2010.03.19 End Date: 2010.03.19
Start Time: 16:02:43 End Time: 22:53:07

Capacity: 8000.00 psig
Last Calib.: 2010.03.19
Time On Btm: 2010.03.19 @ 18:06:08
Time Off Btm: 2010.03.19 @ 21:13:07

TEST COMMENT: IFP-w k to strg in 6 min
FFP-w k to strg in 6 min
Times 45-45-45-45
ISIP-surface bl bk, FSIP-1/4"bl bk

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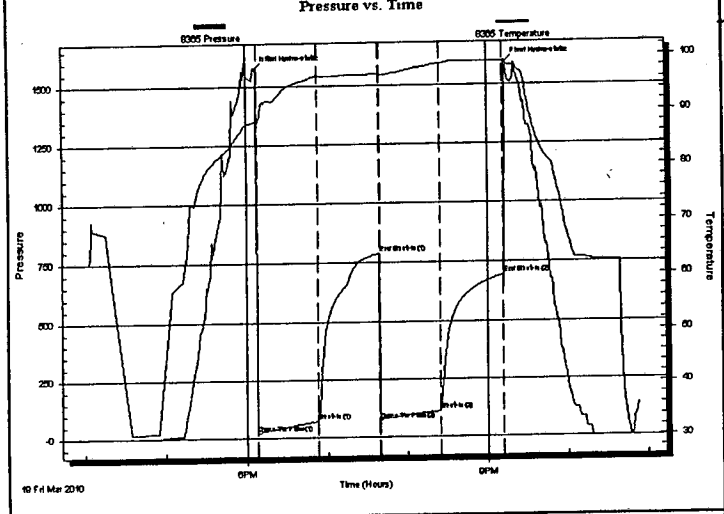

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1571.55	88.08	Initial Hydro-static
2	19.23	87.66	Open To Flow (1)
47	69.48	96.53	Shut-In(1)
93	789.10	96.77	End Shut-In(1)
94	71.17	96.58	Open To Flow (2)
139	111.77	98.61	Shut-In(2)
186	695.97	98.96	End Shut-In(2)
187	1592.47	99.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	700'GIP	0.00
135.00	GMO 25%G45%O30%M	1.89
90.00	SOCMW 4%O10%M86%W	1.26

Gas Rates

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Mai Oil Operations Inc

8411 Preston Rd
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ATTN: Allen Bangert

Strecker #1

12 16S 15W Barton KS

Job Ticket: 38209 **DST#: 3**

Test Start: 2010.03.20 @ 11:36:50

GENERAL INFORMATION:

Formation: LKC H-J
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:15:45
Time Test Ended: 18:20:44

Test Type: Conventional Bottom Hole
Tester: Ray Schwager
Unit No: 42

Interval: 3295.00 ft (KB) To 3360.00 ft (KB) (TVD)
Total Depth: 3360.00 ft (KB) (TVD)
Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 1940.00 ft (KB)
1932.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8365 **Inside**
Press@RunDepth: 36.75 psig @ 3299.01 ft (KB)
Start Date: 2010.03.20 End Date: 2010.03.20
Start Time: 11:36:50 End Time: 18:20:44

Capacity: 8000.00 psig
Last Calib.: 2010.03.20
Time On Btm: 2010.03.20 @ 13:13:15
Time Off Btm: 2010.03.20 @ 16:48:44

TEST COMMENT: IFP-w k to a gd bl 1/2"to 7 1/2"bl
FFP-strg bl thru-out
Times 60-45-60-45
ISIP-no bl, FSIP-no bl

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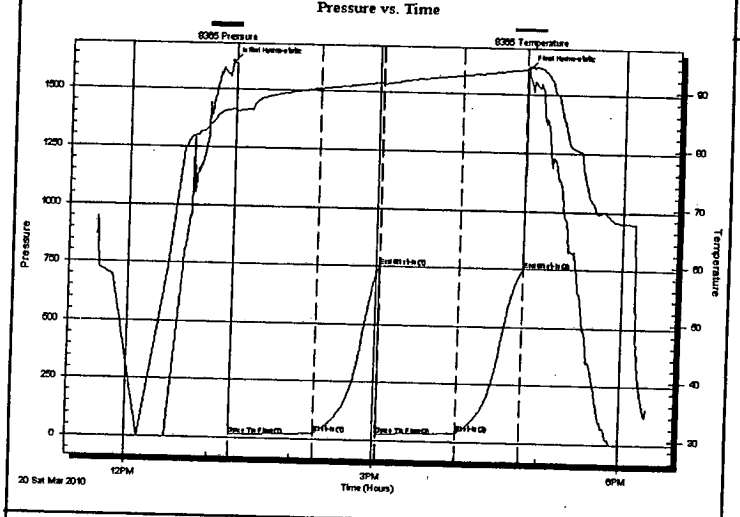

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1617.51	86.08	Initial Hydro-static
3	14.76	85.70	Open To Flow (1)
64	24.04	89.86	Shut-In(1)
109	751.73	91.13	End Shut-In(1)
110	23.96	90.91	Open To Flow (2)
168	36.75	92.61	Shut-In(2)
214	749.15	93.72	End Shut-In(2)
216	1608.00	94.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	805'GIP	0.00
65.00	GMO 35%G30%M35%O	0.91

Gas Rates

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

DRILL STEM TEST REPORT

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Dallas TX 75225-5520
ATTN: Allen Bangert

Strecker #1

12 16S 15W Barton KS

Job Ticket: 38210 **DST#: 4**

Test Start: 2010.03.21 @ 05:28:06

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:50:31
Time Test Ended: 09:28:01

Test Type: Conventional Bottom Hole
Tester: Ray Schwager
Unit No: 42

Interval: 3389.00 ft (KB) To 3432.00 ft (KB) (TVD)
Total Depth: 3432.00 ft (KB) (TVD)
Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 1940.00 ft (KB)
1932.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8365 **Inside**
Press@RunDepth: 17.35 psig @ 3400.01 ft (KB)
Start Date: 2010.03.21 End Date: 2010.03.21
Start Time: 05:28:06 End Time: 09:28:01

Capacity: 8000.00 psig
Last Calib.: 2010.03.21
Time On Btm: 2010.03.21 @ 06:49:01
Time Off Btm: 2010.03.21 @ 08:07:01

TEST COMMENT: IFP-surface bl died in 10min
FFP-no bl, flushed tool, got surge after flush
Times 30-30-15 flush tool -out

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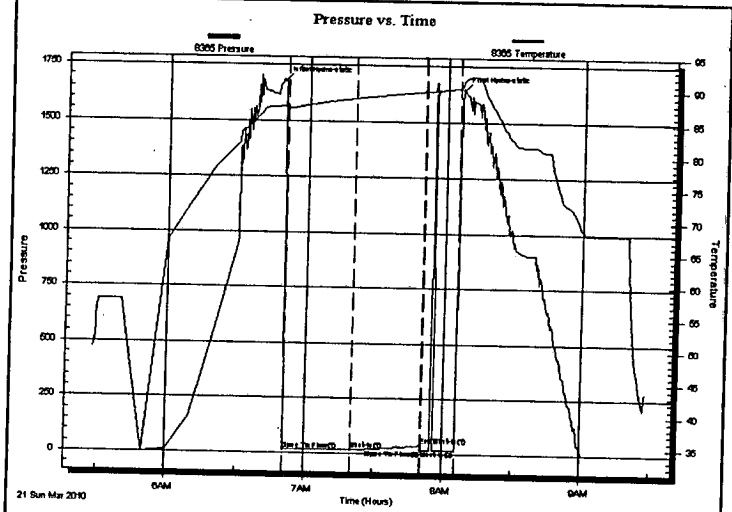

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1676.78	87.44	Initial Hydro-static
2	15.52	86.94	Open To Flow (1)
31	17.35	88.71	Shut-In(1)
62	38.10	89.87	End Shut-In(1)
62	16.72	89.88	Open To Flow (2)
77	18.41	90.39	Shut-In(2)
78	1641.98	91.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud	0.07

Gas Rates

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

TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

12/09

MAR 22 2010

Test Ticket

NO. 38207 / 14032

Well Name & No. Strecker #1 Test No. 1 Date 3-18-10

Company MAI Oil Operations, Inc Elevation 1940 KB 1932 GL

Address 8411 Preston Rd. Ste 800 Dallas, Texas 75225-5520

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

Location: Sec. 12 Twp. 16S Rge. 15W Co. Barton State Ks

Interval Tested 3174-3206 Zone Tested LKC B-C

Anchor Length 32 Drill Pipe Run 3168 Mud Wt. 9

Top Packer Depth 3169 Drill Collars Run - Vis 50

Bottom Packer Depth 3174 Wt. Pipe Run - WL 8.8

Total Depth 3206 Chlorides 1800 ppm System LCM 1/2#

Blow Description IFP - Weak Blow 1/2" To 2" Blow
FFP - Weak Blow, surface To 1/4" Blow
no Blow on shut-in

Rec 90	Feet of MW	%gas	%oil	80	%water	20	%mud
Rec	Feet of w/slow oil	%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 90 BHT 98 Gravity — API RW .21 @ 65 °F Chlorides 36000 ppm

(A) Initial Hydrostatic 1499	☑ Test 1050-	T-On Location 2300
(B) First Initial Flow 13	☐ Jars	T-Started 0038
(C) First Final Flow 34	☐ Safety Joint	T-Open 0250
(D) Initial Shut-In 646	☐ Circ Sub	T-Pulled 0550
(E) Second Initial Flow 38	☐ Hourly Standby	T-Out 0709
(F) Second Final Flow 55	☑ Mileage 88 RT	Comments
(G) Final Shut-In 598	☐ Sampler	
(H) Final Hydrostatic 1475	☐ Straddle	
	☐ Shale Packer	☐ Ruined Shale Packer
Initial Open 45	☐ Extra Packer	☐ Ruined Packer
Initial Shut-In 45	☐ Extra Recorder	☐ Extra Copies
Final Flow 45	☐ Day Standby	Sub Total 0
Final Shut-In 45	☐ Accessibility	Total 1138-
	Sub Total 1138-	

Approved By Kitt Noah Our Representative Ray Schwager Thank you

Trilobite Testing Inc. shall not be liable for damages of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

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Test Ticket

NO. 38208

Well Name & No. STRECKER #1 Test No. 2 Date 3-19-10

Company MAI Oil Operations Inc Elevation 1940 KB 1932 GL

Address 8411 Preston Rd. Ste 800 Dallas, Texas 75225-5520

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

Location: Sec. 12 Twp. 16S Rge. 15W Co. Barton State Ks.

Interval Tested 3221-3260 Zone Tested LKC E,F

Anchor Length 39 Drill Pipe Run 3228 Mud Wt. 9.2

Top Packer Depth 3216 Drill Collars Run — Vis 52

Bottom Packer Depth 3221 Wt. Pipe Run — WL 9.2

Total Depth 3260 Chlorides 4200 ppm System LCM 1/4#

Blow Description IFP - Weak To Strong in 6min
FFP - Weak To Strong in 6min
ISIP - Surface Blow Back
FSIP - 1/4" Blow Back

Rec	700	Feet of	GIP	%gas	%oil	%water	%mud
Rec	135	Feet of	GMO	25 %gas	45 %oil	%water	30 %mud
Rec	90	Feet of	SOCMW	%gas	4 %oil	86 %water	10 %mud
Rec		Feet of		%gas	%oil	%water	%mud
Rec		Feet of		%gas	%oil	%water	%mud

Rec Total 225 BHT 99 Gravity — API RW. 1.6 @ 65 °F Chlorides 50000 ppm

(A) Initial Hydrostatic	1527	☑ Test 1050	T-On Location 1515
(B) First Initial Flow	19	☐ Jars	T-Started 1602
(C) First Final Flow	69	☐ Safety Joint	T-Open 1820
(D) Initial Shut-In	789	☐ Circ Sub	T-Pulled 2120
(E) Second Initial Flow	71	☐ Hourly Standby	T-Out 2253
(F) Second Final Flow	111	☑ Mileage 88 RT	Comments
(G) Final Shut-In	695	☐ Sampler	
(H) Final Hydrostatic	1511	☐ Straddle	
		☐ Shale Packer	☐ Ruined Shale Packer
Initial Open	45	☐ Extra Packer	☐ Ruined Packer
Initial Shut-In	45	☐ Extra Recorder	☐ Extra Copies
Final Flow	45	☐ Day Standby	Sub Total Ø
Final Shut-In	45	☐ Accessibility	Total 1138-
		Sub Total 1138-	

Approved By Kitt Noah Our Representative Ray Schwager Thank you

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Test Ticket

NO. 38209

Well Name & No. STRECKER #1 Test No. 3 Date 3-20-10

Company MAI OIL OPERATIONS INC Elevation 1940 KB 1932 GL

Address 8411 PRESTON RD. STE 800 DALLAS, TEXAS 75225-5520

Co. Rep / Geo. KITT NOAH Rig SOUTHWIND RIG 3

Location: Sec. 12 Twp. 16S Rge. 15W Co. BARTON State KS

Interval Tested 3295-3360 Zone Tested LKC H-J

Anchor Length 65 Drill Pipe Run 3294 Mud Wt. 9

Top Packer Depth 3290 Drill Collars Run — Vis 50

Bottom Packer Depth 3295 Wt. Pipe Run — WL 10.8

Total Depth 3360 Chlorides 6000 ppm System LCM 1/4#

Blow Description IFP - WEAK TO A GOOD BLOW 1/2" TO 7 1/2" BLOW
FFP - STRONG BLOW THRU-OUT
ISIP - NO BLOW
FSIP - NO BLOW

Rec 805	Feet of GIP	%gas	%oil	%water	%mud
Rec 65	Feet of GMO	35 %gas	35 %oil	%water	30 %mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 65 BHT 93 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 1555	☑ Test 1050	T-On Location 1050	
(B) First Initial Flow 14	☐ Jars	T-Started 1136	
(C) First Final Flow 24	☐ Safety Joint	T-Open 1320	
(D) Initial Shut-In 751	☐ Circ Sub	T-Pulled 1650	
(E) Second Initial Flow 23	☐ Hourly Standby	T-Out 1820	
(F) Second Final Flow 42	☑ Mileage 88 RT	Comments	
(G) Final Shut-In 749	☐ Sampler		
(H) Final Hydrostatic 1552	☐ Straddle		
	☐ Shale Packer	☐ Ruined Shale Packer	
Initial Open 60	☐ Extra Packer	☐ Ruined Packer	
Initial Shut-In 45	☐ Extra Recorder	☐ Extra Copies	
Final Flow 60	☐ Day Standby	Sub Total 0	
Final Shut-In 45	☐ Accessibility	Total 1138 —	
	Sub Total 1138 —		

Approved By Kitt Noah Our Representative RAY SCHWAGER thank you

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Test Ticket

NO. 38210

Well Name & No. STRECKER #1 Test No. 4 Date 3-21-10

Company MAI Oil Operations Inc Elevation 1940 KB 1932 GL

Address 8411 Preston Rd, Ste 800 Dallas, Texas 75225-5520

Co. Rep / Geo. KiTT Noah Rig Southwind rig 3

Location: Sec. 12 Twp. 16S Rge. 15W Co. Barton State Ks

Interval Tested 3389-3432 Zone Tested Arbuckle

Anchor Length 43 Drill Pipe Run 3388 Mud Wt. 9.2

Top Packer Depth 3384 Drill Collars Run — Vis 55

Bottom Packer Depth 3389 Wt. Pipe Run — WL 10.8

Total Depth 3432 Chlorides 6000 ppm System LCM 1/4#

Blow Description IFP - Surface Blow, died in 10 min

FFP - NO Blow, flushed Tool, 90T surge

Rec 5	Feet of Mud	%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	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT — Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 1616	☑ Test 1050	T-On Location 0500
(B) First Initial Flow 15	☐ Jars	T-Started 0528
(C) First Final Flow 17	☐ Safety Joint	T-Open 0655
(D) Initial Shut-In 38	☐ Circ Sub	T-Pulled 0810
(E) Second Initial Flow 16	☐ Hourly Standby	T-Out 0928
(F) Second Final Flow 18	☑ Mileage 88RT	Comments
(G) Final Shut-In —	☐ Sampler	
(H) Final Hydrostatic 1584	☐ Straddle	
	☐ Shale Packer	☐ Ruined Shale Packer
Initial Open 30	☐ Extra Packer	☐ Ruined Packer
Initial Shut-In 30	☐ Extra Recorder	☐ Extra Copies
Final Flow 15	☐ Day Standby	Sub Total 0
Final Shut-In —	☐ Accessibility	Total 1138
	Sub Total 1138	

Approved By Kitt Noah Our Representative Ray Schwager Thank you

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