



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mai Oil Operations, Inc

Betty Mae Axman #1-11

8411 Preston Road
Suite 800
Dallas, TX 75225
ATTN: Kitt Noah

11-17s-15w-Barton KS
Job Ticket: 37136 DST#: 1
Test Start: 2010.04.16 @ 14:10:58

GENERAL INFORMATION:

Formation: LKC-"B"
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 16:02:58
Time Test Ended: 18:32:58

Test Type: Conventional Bottom Hole
Tester: Jason McLemore
Unit No: 32

Interval: 3244.00 ft (KB) To 3264.00 ft (KB) (TVD)
Total Depth: 3264.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good

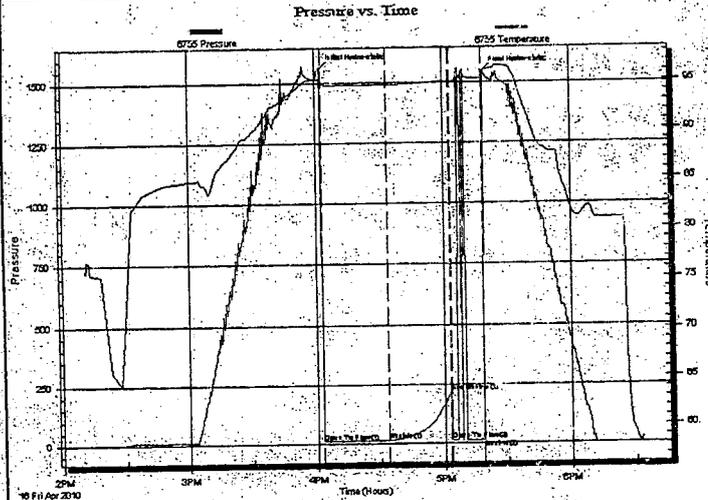
Reference Elevations: 1960.00 ft (KB)
1952.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6755 Inside
Press@RunDepth: 12.57 psig @ 3246.00 ft (KB)
Start Date: 2010.04.16 End Date: 2010.04.16
Start Time: 14:11:00 End Time: 18:32:58

Capacity: 8000.00 psig
Last Calib: 2010.04.16
Time On Btm: 2010.04.16 @ 16:02:28
Time Off Btm: 2010.04.16 @ 17:18:58

TEST COMMENT: IFP-Weak Surface Blow, Dead in 10 Min.
ISF-Dead
FFP-Dead, Flush Tool, Still Dead, Pull Tool

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1562.22	95.23	Initial Hydro-static
1	10.85	94.70	Open To Flow (1)
31	12.57	94.59	Shut-In (1)
61	215.12	94.93	End Shut-In (1)
61	12.85	94.83	Open To Flow (2)
76	14.58	95.17	Shut-In (2)
77	1546.02	95.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud W/Oil Specks	0.07

Gas Rates

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

RECEIVED

MAY 2 2010

KCC WICHITA

ORIGINAL



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Mai Oil Operations, Inc
 8411 Preston Road
 Suite 800
 Dallas, TX 75225
 ATTN: Kitt Noah

Betty Mae Axman #1-11
 11-17s-15w-Barton KS
 Job Ticket: 37137 DST#: 2
 Test Start: 2010.04.17 @ 10:38:36

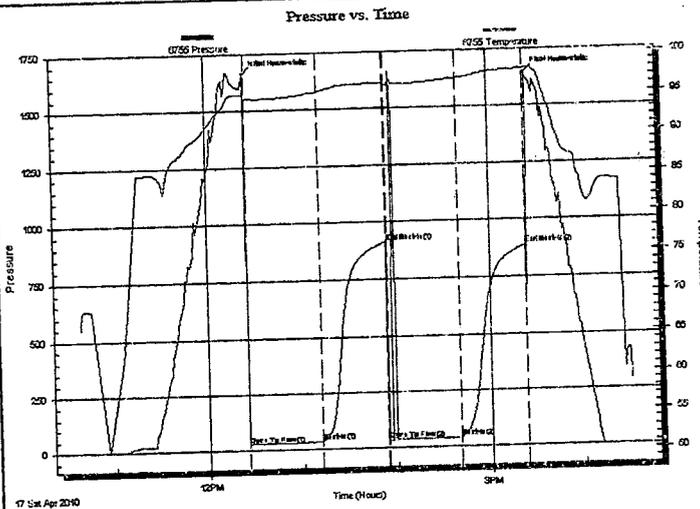
GENERAL INFORMATION:

Formation: LKC-"H-J"
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 12:25:06
 Time Test Ended: 16:30:06
 Interval: 3366.00 ft (KB) To 3427.00 ft (KB) (TVD)
 Total Depth: 3427.00 ft (KB) (TVD)
 Hole Diameter: 7.80 inches Hole Condition: Good

Test Type: Conventional Bottom Hole
 Tester: Jason McLemore
 Unit No: 32
 Reference Elevations: 1960.00 ft (KB)
 1952.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6755 Inside
 Press@RunDepth: 40.92 psig @ 3401.00 ft (KB)
 Start Date: 2010.04.17 End Date: 2010.04.17
 Start Time: 10:38:38 End Time: 16:30:06
 Capacity: 8000.00 psig
 Last Calib.: 2010.04.17
 Time On Btm: 2010.04.17 @ 12:24:36
 Time Off Btm: 2010.04.17 @ 15:24:06

TEST COMMENT: IFF-Weak Surface Blow Building to 1/4"
 ISI-Dead
 FFP-Dead, Flush tool, Surface Blow Building to 1/8"
 FSI-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1662.84	95.26	Initial Hydro-static
1	27.69	94.33	Open To Flow (1)
47	33.60	95.39	Shut-In(1)
89	911.24	96.49	End Shut-In(1)
90	34.99	96.15	Open To Flow (2)
136	40.92	96.86	Shut-In(2)
179	887.80	97.92	End Shut-In(2)
180	1645.86	98.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Drilling Mud	0.42

Gas Rates

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

RECEIVED
 MAY 24 2010
 KCC WICHITA



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Mai Oil Operations, Inc
 8411 Preston Road
 Suite 800
 Dallas, TX 75225
 ATTN: Kitt Noah

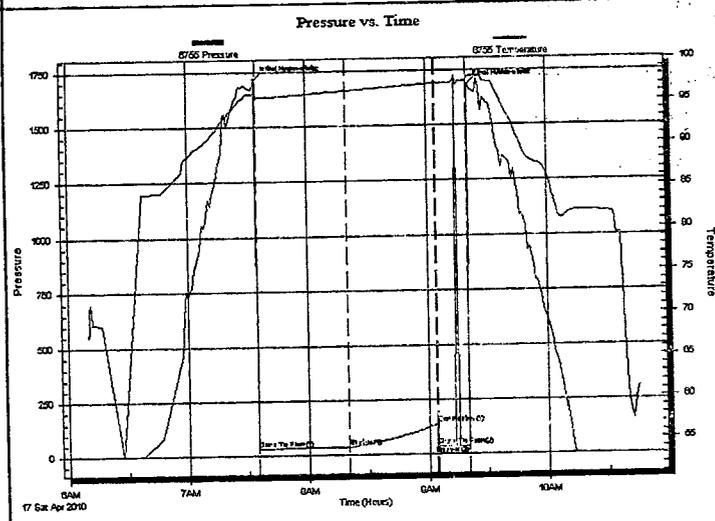
Betty Mae Axman #1-11
11-17s-15w-Barton KS
 Job Ticket: 37138 DST#: 3
 Test Start: 2010.04.17 @ 06:10:13

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: **No Whipstock** ft (KB)
 Time Tool Opened: 07:34:43
 Time Test Ended: 11:16:43
 Test Type: **Conventional Bottom Hole**
 Tester: **Jeff Brown**
 Unit No: **32**
 Interval: **3459.00 ft (KB) To 3523.00 ft (KB) (TVD)**
 Total Depth: **3264.00 ft (KB) (TVD)**
 Reference Elevations: **1960.00 ft (KB)**
1952.00 ft (CF)
 Hole Diameter: **7.80 inches** Hole Condition: **Good**
 KB to GR/CF: **8.00 ft**

Serial #: 6755 **Inside**
 Press@RunDepth: **34.52 psig @ 3465.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2010.04.17** End Date: **2010.04.17** Last Calib.: **2010.04.18**
 Start Time: **06:10:15** End Time: **10:45:43** Time On Btm: **2010.04.17 @ 07:34:13**
 Time Off Btm: **2010.04.17 @ 09:20:43**

TEST COMMENT: IFF-Weak blow built to 1in
 IS- Dead no blow back
 FFP- Dead no blow



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1713.83	96.02	Initial Hydro-static
1	32.07	95.38	Open To Flow (1)
46	34.52	96.29	Shut-In(1)
90	140.43	97.08	End Shut-In(1)
91	35.88	97.00	Open To Flow (2)
106	36.19	97.32	Shut-In(2)
107	1681.21	97.87	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
20.00	MUD	0.28

Gas Rates			
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
RECEIVED MAY 24 2010 KCC WICHITA			



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

APR 19 2016

Test Ticket

NO. 37136 14160

Well Name & No. Betty Mae Aeman # 1 Test No. 1 Date 4-16-10
 Company Mai Oil Operations, Inc. Elevation 1960 KB 1952 GL
 Address 8411 Preston Road, Suite 800, Dallas, Tx, 75225
 Co. Rep / Geo. Kitt Noah Rig Southwind #3
 Location: Sec. 11 Twp. 17s Rge. 15w Co. Barton State KS

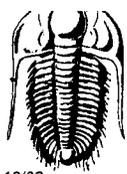
Interval Tested 3244-3264 Zone Tested LKC "B"
 Anchor Length 20' Drill Pipe Run 3252 Mud Wt. 9.0
 Top Packer Depth 3239 Drill Collars Run 0 Vis 64
 Bottom Packer Depth 3244 Wt. Pipe Run 0 WL 8.0
 Total Depth 3267 Chlorides 4100 ppm System LCM Ø
 Blow Description IFP- Weak Surface Blow, Dead in 10 min.
ISI- Dead
FFP- Dead, Flush tool, still Dead, pull tool
ESI-

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Mud w/oil specks</u>				
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 95° Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1562 Test 1125- T-On Location 10:12
 (B) First Initial Flow 11 Jars _____ T-Started 14:10
 (C) First Final Flow 13 Safety Joint 75 T-Open 16:01
 (D) Initial Shut-In 215 Circ Sub _____ T-Pulled 17:16
 (E) Second Initial Flow 13 Hourly Standby _____ T-Out 18:29
 (F) Second Final Flow 15 Mileage 128.7 160- Comments _____
 (G) Final Shut-In _____ Sampler _____
 (H) Final Hydrostatic 1546 Straddle _____
 Shale Packer _____ Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____
 Initial Open 30
 Initial Shut-In 30
 Final Flow 15
 Final Shut-In X
 Day Standby _____
 Accessibility _____
 Sub Total 1083 Sub Total Ø
 Total Ø Total 1360

Approved By _____ Our Representative Jaron Mc Leman Thank You!
 Trilobite Testing Inc. shall not be liable for damaged 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.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

APR 19 2010

Test Ticket

No. 37137

Well Name & No. Betty Mae Axman #1 Test No. 2 Date 4-17-10
 Company Mai Oil Operations, Inc. Elevation 1960 KB 1952 GL
 Address 8411 Preston Road, Suite 800, Dallas, TX, 75225
 Co. Rep / Geo. Kitt Noah Rig Southwind #3
 Location: Sec. 11 Twp. 17s Rge. 15w Co. Barton State Ks

Interval Tested 3366-3427 Zone Tested LKC - "H-J"
 Anchor Length 61' Drill Pipe Run 3377 Mud Wt. 9.0
 Top Packer Depth 3361 Drill Collars Run Ø Vis 62
 Bottom Packer Depth 3366 Wt. Pipe Run Ø WL 8.0
 Total Depth 3427 Chlorides 4200 ppm System LCM Ø

Blow Description IFP - Weak Blow, Built from Surface to 4 1/4"
ISI - Dead
FFP - Dead, Flush Tool, surface Blow to 4 1/8", lasted throughout
FSI - Dead

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>Drilling Mud</u>				
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 30 BHT 98° Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

- (A) Initial Hydrostatic 1663
- (B) First Initial Flow 28
- (C) First Final Flow 34
- (D) Initial Shut-In 911
- (E) Second Initial Flow 35
- (F) Second Final Flow 41
- (G) Final Shut-In 888
- (H) Final Hydrostatic 1646

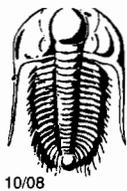
- Test 1125-
- Jars _____
- Safety Joint _____
- Circ Sub _____
- Hourly Standby _____
- Mileage 128 mt 160-
- Sampler _____
- Straddle _____
- Shale Packer _____
- Extra Packer _____
- Extra Recorder _____
- Day Standby _____
- Accessibility _____
- Sub Total 1285

T-On Location 10:15
 T-Started 10:38
 T-Open 12:26
 T-Pulled 15:26
 T-Out 16:30
 Comments _____

 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total Ø
 Total 1285-

Initial Open 45
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 45

Approved By _____ Our Representative Jason Mc Lamon *Thank you!*
 Trilobite Testing Inc. shall not be liable for damaged 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.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

APR 19 2010

Test Ticket

NO. 37138

Well Name & No. Betty Mae Axman #1-11 Test No. 3 Date 4-18-10
 Company Mai Oil operations, INC Elevation 1960 KB 1952 GL
 Address 8411 Preston Road Suite 800 Dallas, TX, 75225
 Co. Rep / Geo. Kitt Noah Rig Southwind # 3
 Location: Sec. 11 Twp. 17s Rge. 15W Co. Barton State KS

Interval Tested 3459-3523 Zone Tested ArBuckle
 Anchor Length 64 Drill Pipe Run 3470 Mud Wt. 90
 Top Packer Depth 3454 Drill Collars Run 0 Vis 62
 Bottom Packer Depth 3459 Wt. Pipe Run 0 WL 80
 Total Depth 3523 Chlorides 4200 ppm System LCM 0
 Blow Description FP Weak Blow Built to Lin
ISF Dead No Blow Back
FP Dead No Blow
FSF OUT

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>Mud</u>				
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 20' BHT 97 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1714 Test 1125- T-On Location 6:10
 (B) First Initial Flow 32 Jars _____ T-Started 6:41
 (C) First Final Flow 35 Safety Joint _____ T-Open 8:05
 (D) Initial Shut-In 140 Circ Sub _____ T-Pulled 10:00
 (E) Second Initial Flow 36 Hourly Standby _____ T-Out 11:16
 (F) Second Final Flow 36 Mileage 128 RT 160- Comments _____
 (G) Final Shut-In _____ Sampler _____
 (H) Final Hydrostatic 1681 Straddle _____
 Shale Packer _____ Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____
 Day Standby _____ Sub Total 0
 Accessibility _____ Total 1283-
 Sub Total 1283-

Approved By Kitt Noah

Our Representative Jeff Brown

Trilobite Testing Inc. shall not be liable for damaged 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.