

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Mal Oil Operations, Inc
 8411 Preston Rd
 Ste 800
 Dallas TX 75225
 ATTN: Allen Bangert

Flegler "A"
3-15s-14w Russell KS
 Job Ticket: 041728 DST#: 1
 Test Start: 2011.01.17 @ 08:10:25

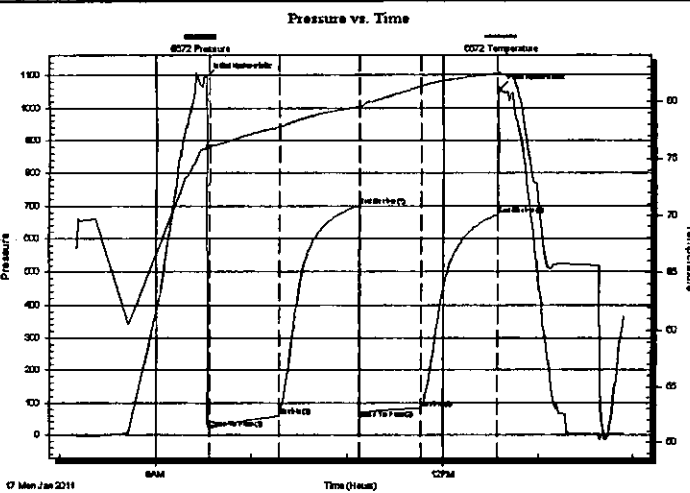
CONFIDENTIAL

GENERAL INFORMATION:

Formation: **Tarkio 1st-2nd**
 Deviated: **No Whipstock: ft (KB)**
 Time Tool Opened: **09:32:55**
 Time Test Ended: **13:53:55**
 Interval: **2338.00 ft (KB) To 2380.00 ft (KB) (TVD)**
 Total Depth: **2380.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**
 Test Type: **Conventional Bottom Hole**
 Tester: **Jeff Brown**
 Unit No: **44**
 Reference Elevations: **1771.00 ft (KB)**
1761.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6672 Inside
 Press@RunDepth: **82.77 psig @ 2344.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2011.01.17** End Date: **2011.01.17** Last Calib.: **2003.01.06**
 Start Time: **08:10:26** End Time: **13:53:55** Time On Btm: **2011.01.17 @ 09:31:25**
 Time Off Btm: **2011.01.17 @ 12:35:55**

TEST COMMENT: IFF-Strong blow BOB in 5 1/2 min
 ISI-Weak blow back built to 3/4 in Died back to 1/4 in
 FFF-Strong blow BOB in 3 min
 FSI-Weak blow back built to 1/2 in Died back to 1/4 in



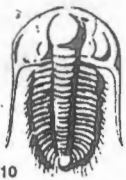
PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1095.96	76.20	Initial Hydro-static
2	21.87	76.12	Open To Flow (1)
46	59.46	77.82	Shut-In(1)
96	700.22	79.52	End Shut-In(1)
97	50.38	79.43	Open To Flow (2)
135	82.77	81.38	Shut-In(2)
183	674.61	82.44	End Shut-In(2)
185	1059.60	82.44	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
93.00	Mud with oil spots	0.46
62.00	WM20%W80%M	0.60
0.00	31 GIP	0.00

Gas Rates			
	Choke (Inches)	Pressure (psig)	Gas Rate (MMcf/d)

ORIGINAL

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APR 27 2011
KCC WICHITA



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

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JAN 21 2011

Test Ticket

NO. 041728 15305

Well Name & No. Fegler "A" BY: _____ Test No. 1 Date 1-17-11
 Company Mg Oil Operations, INC Elevation 1771 KB 1761 GL _____
 Address 8411 PRESTON RD STE 800 DALLAS TX 75225+5520
 Co. Rep / Geo. KITT Noah Rig Southwind #3
 Location: Sec. 3 Twp. 15 S Rge. 14 W Co. Russell State KS

Interval Tested 2338-2380 Zone Tested TACK'O 1st + 2nd
 Anchor Length 42 Drill Pipe Run 2211 Mud Wt. 9.0
 Top Packer Depth 2333 Drill Collars Run 123 Vis 54
 Bottom Packer Depth 2338 Wt. Pipe Run 0 WL 7.2
 Total Depth 2380 Chlorides 1800 ppm System LCM 1#

Blow Description FP-Strong Blow BOB IN 5 1/2 min
ISI-Weak Blow Back Built to 3/4 IN DIED BACK TO 1/4 IN
FP-Strong Blow BOB IN 3 min
ISI-Weak Blow Built to 1/2 IN DIED BACK TO 1/4 IN

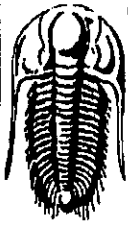
Rec	Feet of	%gas	%oil	%water	%mud
<u>93</u>	<u>Feet of mud with oil spots</u>				
<u>62</u>	<u>Feet of WM</u>			<u>20</u>	<u>80</u>
<u> </u>	<u>Feet of 31 GIP</u>				
<u> </u>	<u>Feet of</u>				
<u> </u>	<u>Feet of</u>				

Rec Total 155 BHT 82 Gravity _____ API RW 167 @ 60.1 °F Chlorides 54000 ppm
 (A) Initial Hydrostatic 10910 Test 1125 T-On Location 60' 21
 (B) First Initial Flow 22 Jars _____ T-Started 8:10
 (C) First Final Flow 60 Safety Joint _____ T-Open 9:32
 (D) Initial Shut-In 700 Circ Sub _____ T-Pulled 12:32
 (E) Second Initial Flow 50 Hourly Standby _____ T-Out 13:54
 (F) Second Final Flow 83 Mileage 608 RT 8500 Comments _____
 (G) Final Shut-In 675 Sampler _____
 (H) Final Hydrostatic 10600 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 8
 Day Standby _____ Total 1210
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1210

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

Approved By _____ 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.



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mai Oil Operations, Inc

Flegler "A"

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

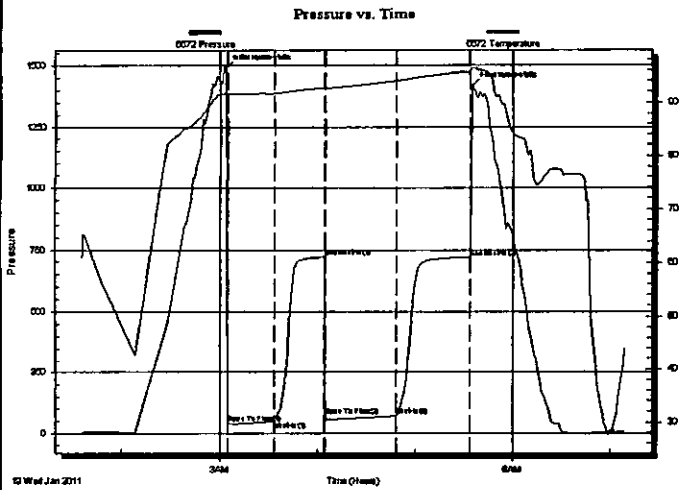
3-15s-14w Russell KS
Job Ticket: 041729 DST#: 2
Test Start: 2011.01.19 @ 01:35:56

GENERAL INFORMATION:

Formation: **LKC-"A-C"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:04:26
 Time Test Ended: 07:09:26
 Interval: **2929.00 ft (KB) To 3003.00 ft (KB) (TVD)**
 Total Depth: **3003.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: Fair
 Test Type: Conventional Bottom Hole
 Tester: Jeff Brown
 Unit No: 44
 Reference Elevations: 1771.00 ft (KB)
 1761.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 6672 Inside
 Press@RunDepth: 73.10 psig @ 2971.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.01.19 End Date: 2011.01.19 Last Calib.: 2011.01.19
 Start Time: 01:35:57 End Time: 07:09:26 Time On Btm: 2011.01.19 @ 03:03:26
 Time Off Btm: 2011.01.19 @ 05:34:56

TEST COMMENT: IFF-Good blow BOB in 18 min
 ISI-Dead No blow back
 FFP-Good blow BOB in 15 min
 FSI-Dead no blow back



PRESSURE SUMMARY

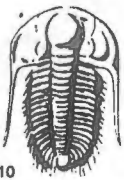
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1489.33	91.77	Initial Hydro-static
1	42.05	91.54	Open To Flow (1)
30	51.45	91.64	Shut-In(1)
61	720.16	92.70	End Shut-In(1)
61	71.70	92.53	Open To Flow (2)
105	73.10	94.03	Shut-In(2)
150	717.83	95.73	End Shut-In(2)
152	1413.65	96.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	OCGWM17%O 10%G 3%W 70%M	0.88
10.00	SOCGM10%O 5%G 85%M	0.14
21.00	VSOCGM 3%O 5%G 92%M	0.29
0.00	252 GIP	0.00

Gas Rates

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



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

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JAN 21 2011

Test Ticket

NO. 041729

Well Name & No. Flegler "A" Test No. 2 Date 1-19-11
 Company Maj Oil Operations INC Elevation 1771 KB 17201 GL
 Address 8411 Preston RD Ste 800 Dallas TX 75225 + 5520
 Co. Rep / Geo. KITT Noah Rig SOUTHwind #3
 Location: Sec. 3 Twp. 15S Rge. 14W Co. Russell State KS

Interval Tested 2929-3003 Zone Tested LKC A-C
 Anchor Length 74 Drill Pipe Run 2938 Mud Wt. 9.1
 Top Packer Depth 2924 Drill Collars Run 0 Vis 51
 Bottom Packer Depth 2929 Wt. Pipe Run 0 WL 8.8
 Total Depth 3003 Chlorides 4800 ppm System LCM 1/4 #

Blow Description FP - GOOD Blow Bob IN 18 min
ISI - DEAD NO Blow BACK
FP - GOOD Blow Bob IN 15 min
ISI - DEAD NO Blow BACK

Rec	Feet of	%gas	%oil	%water	%mud
<u>63</u>	<u>OC Column</u>	<u>10</u>	<u>17</u>	<u>3</u>	<u>70</u>
<u>10</u>	<u>SOC Column</u>	<u>5</u>	<u>10</u>	<u></u>	<u>85</u>
<u>21</u>	<u>USOC Column</u>	<u>5</u>	<u>3</u>	<u></u>	<u>92</u>
<u></u>	<u>252 GIP</u>	<u></u>	<u></u>	<u></u>	<u></u>
<u></u>	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>

Rec Total 94 BHT 9L Gravity API RW @ °F Chlorides ppm

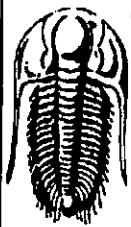
(A) Initial Hydrostatic 1489 Test 1125 T-On Location 00:25
 (B) First Initial Flow 42 Jars T-Started 1:35
 (C) First Final Flow 51 Safety Joint T-Open 3:03
 (D) Initial Shut-In 720 Circ Sub T-Pulled 5:33
 (E) Second Initial Flow 72 Hourly Standby T-Out 7:09
 (F) Second Final Flow 73 Mileage 68 RT 85⁰⁰ Comments
 (G) Final Shut-In 718 Sampler
 (H) Final Hydrostatic 1414 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies

Initial Open 30
 Initial Shut-In 30
 Final Flow 45
 Final Shut-In 45

Day Standby 10 1/4 341.74 Sub Total 8 341.74
 Accessibility Total 1210
 Sub Total 1210 MP/DST Disc't

Approved By _____ Our Representative Jeff Brown

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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mai Oil Operations, Inc

Flegler "A"

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

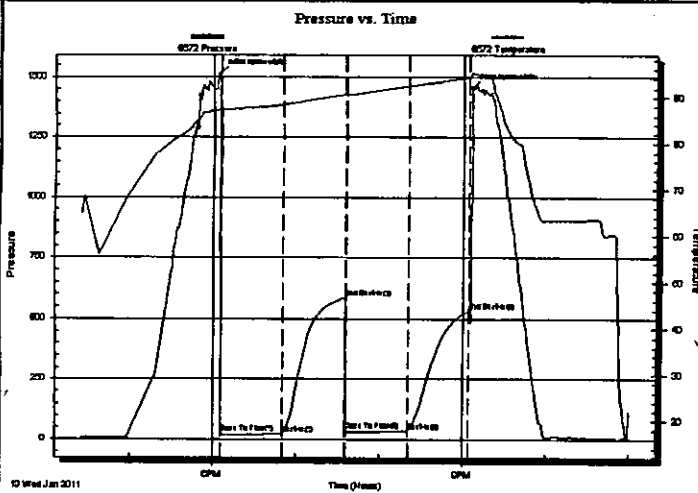
3-15s-14w Russell KS
Job Ticket: 041730 DST#: 3
Test Start: 2011.01.19 @ 16:25:53

GENERAL INFORMATION:

Formation: **LKC-E-G**
 Deviated: **No** Whipstock: ft (KB)
 Time Tool Opened: 18:04:53
 Time Test Ended: 23:00:53
 Interval: **3026.00 ft (KB) To 3060.00 ft (KB) (TVD)**
 Total Depth: **3060.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**
 Test Type: **Conventional Bottom Hole**
 Tester: **Jeff Brown**
 Unit No: **44**
 Reference Elevations: **1771.00 ft (KB)**
1761.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6672 Inside
 Press@RunDepth: **36.58 psig @ 3028.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2011.01.19** End Date: **2011.01.19** Last Calib.: **2011.01.19**
 Start Time: **16:25:54** End Time: **23:00:53** Time On Btm: **2011.01.19 @ 18:04:23**
 Time Off Btm: **2011.01.19 @ 21:05:53**

TEST COMMENT: FFP-Fair blow built to 8 in
 ISI-Dead no blow back
 FFP-Fair blow built to 8 1/2 in
 FSI-Dead no blow back



PRESSURE SUMMARY

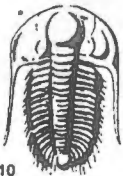
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1513.02	87.54	Initial Hydro-static
1	29.68	87.15	Open To Flow (1)
46	25.21	88.47	Shut-In(1)
91	584.75	90.65	End Shut-In(1)
91	39.95	90.54	Open To Flow (2)
136	36.58	92.42	Shut-In(2)
180	534.38	94.35	End Shut-In(2)
182	1453.67	95.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	OCM 20%O 80%M	0.21
43.00	GWM with a scum of oil 5%G5%W90%	0.60
0.00	99 GIP	0.00

Gas Rates

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



TRILOBITE TESTING INC.

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JAN 21 2011

Test Ticket

NO. 041730

Well Name & No. Flegler "A" Test No. 3 Date 1-19-11
 Company Mai Oil operations INC Elevation 1771 KB 1761 GL
 Address 8411 PRESTON RD STE 800 DALLAS TX 75225-5520
 Co. Rep / Geo. KITT NOGH Rig SOUTHWIND #3
 Location: Sec. 3 Twp. 15S Rge. 14W Co. RUSSELL State KS

Interval Tested 3020-3040 Zone Tested LKC-"E-Co"
 Anchor Length 34 Drill Pipe Run 3034 Mud Wt. 9.1
 Top Packer Depth 3021 Drill Collars Run 0 Vis 57
 Bottom Packer Depth 3020 Wt. Pipe Run 0 WL 8.8
 Total Depth 3020 Chlorides 5200 ppm System LCM TR

Blow Description FP- Fair Blow Built TO 8 IN
IS- Dead No Blow Back
FP- Fair Blow Built TO 8 1/2 IN
IS- Dead No Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>OCM</u>		<u>20</u>		<u>80</u>
<u>43</u>	<u>Colm with Axum of oil</u>	<u>5</u>		<u>5</u>	<u>90</u>
<u>99</u>	<u>Colm</u>				

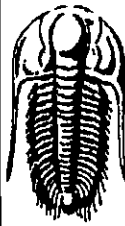
Rec Total 58 BHT 94 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1513 Test 1125 T-On Location 15:26
 (B) First Initial Flow 30 Jars _____ T-Started 16:25
 (C) First Final Flow 585 25 Safety Joint _____ T-Open 18:04
 (D) Initial Shut-In 585 Circ Sub _____ T-Pulled 21:04
 (E) Second Initial Flow 40 Hourly Standby _____ T-Out 23:00
 (F) Second Final Flow 37 Mileage 608 RT 85 Comments _____
 (G) Final Shut-In 534 Sampler _____
 (H) Final Hydrostatic 1454 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1210
 Accessibility _____ MP/DST Disc't _____

Initial Open 45
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 45
 Sub Total 1210

Approved By _____ Our Representative Jeff Brown

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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mai Oil Operations, Inc

Flegler "A"

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

3-16s-14w Russell KS

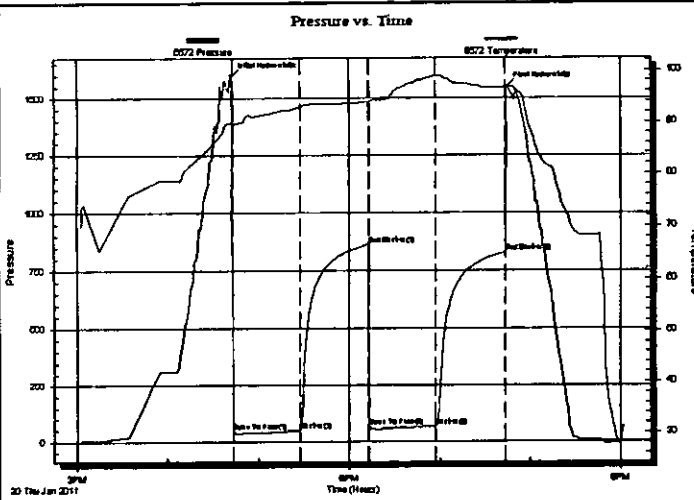
Job Ticket: 041731 DST#: 4
Test Start: 2011.01.20 @ 15:02:44

GENERAL INFORMATION:

Formation: **LKC-J-L**
 Deviated: **No Whipstock** ft (KB)
 Time Tool Opened: 16:42:44
 Time Test Ended: 21:02:14
 Interval: **3116.00 ft (KB) To 3182.00 ft (KB) (TVD)**
 Total Depth: **3282.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**
 Test Type: **Conventional Bottom Hole**
 Tester: **Jeff Brown**
 Unit No: **44**
 Reference Elevations: **1771.00 ft (KB)**
1761.00 ft (CF)
 KB to GR/CF: **10.00 ft**

Serial #: 6672 Inside
 Press@RunDepth: **67.06 psig @ 3122.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2011.01.20** End Date: **2011.01.20** Last Calib.: **2011.01.20**
 Start Time: **15:02:45** End Time: **21:02:14** Time On Btm: **2011.01.20 @ 16:42:14**
 Time Off Btm: **2011.01.20 @ 19:44:44**

TEST COMMENT: IFF-Fair blow built to 7 in
 ISI-Weak surface blow back Died out in 10 min
 FFP-Fair blow built to 5 1/2 in
 FSI-Dead no blow back



PRESSURE SUMMARY

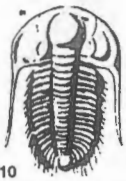
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1596.55	89.85	Initial Hydro-static
1	46.65	89.39	Open To Flow (1)
45	50.46	92.88	Shut-In(1)
90	862.16	93.86	End Shut-In(1)
91	65.82	93.84	Open To Flow (2)
135	67.06	98.81	Shut-In(2)
181	829.75	96.72	End Shut-In(2)
183	1548.27	96.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
73.00	WM w ith oil spots 5%W95%M	1.02

Gas Rates

Choke (Inches)	Pressure (psig)	Gas Rate (MMcfd)



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
JAN 21 2011

Test Ticket

NO. 041731

Well Name & No. Flegler "A" Test No. 4 Date 1-20-11
 Company Mai oil operations INC Elevation 1771 KB 1761 GL
 Address 8411 Preston RD Ste 800 Dallas TX 75225+5520
 Co. Rep / Geo. KITT Noah Rig Southwind
 Location: Sec. 3 Twp. 15S Rge. 14W Co. Russell State KS

Interval Tested 3116 - 3182 Zone Tested LKC - J-L
 Anchor Length 666 Drill Pipe Run 3129 Mud Wt. 9.3
 Top Packer Depth 3111 Drill Collars Run 0 Vis 50
 Bottom Packer Depth 3116 Wt. Pipe Run 0 WL 9.6
 Total Depth 3182 Chlorides 7200 ppm System LCM TR

Blow Description FF - Fair Blow Built to 7 IN
IS - Weak Surface Blow Back Died out IN 10 min
FF - Fair Blow Built to 5 1/2 IN
FS - Dead NO Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>73</u>	<u>WM with oil spots</u>			<u>5</u>	<u>95</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 73 BHT 97 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1597 Test 1125- T-On Location 13:59
 (B) First Initial Flow 47 Jars _____ T-Started 15:02
 (C) First Final Flow 50 Safety Joint _____ T-Open 16:42
 (D) Initial Shut-In 862 Circ Sub _____ T-Pulled 19:42
 (E) Second Initial Flow 666 Hourly Standby _____ T-Out 21:02
 (F) Second Final Flow 67 Mileage 68 RT 850 Comments _____
 (G) Final Shut-In 830 Sampler _____
 (H) Final Hydrostatic 1548 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1210-
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1210-

Approved By _____ Our Representative Jeff Brown

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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mai Oil Operations, Inc

Flegler "A"

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

3-15s-14w Russell KS

Job Ticket: 041732 DST#: 5
Test Start: 2011.01.21 @ 05:37:03

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: **No Whipstock** ft (KB)
Time Tool Opened: 07:12:33
Time Test Ended: 11:29:33

Test Type: **Conventional Bottom Hole**
Tester: **Jeff Brown**
Unit No: **44**

Interval: **3190.00 ft (KB) To 3224.00 ft (KB) (TVD)**
Total Depth: **3224.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**

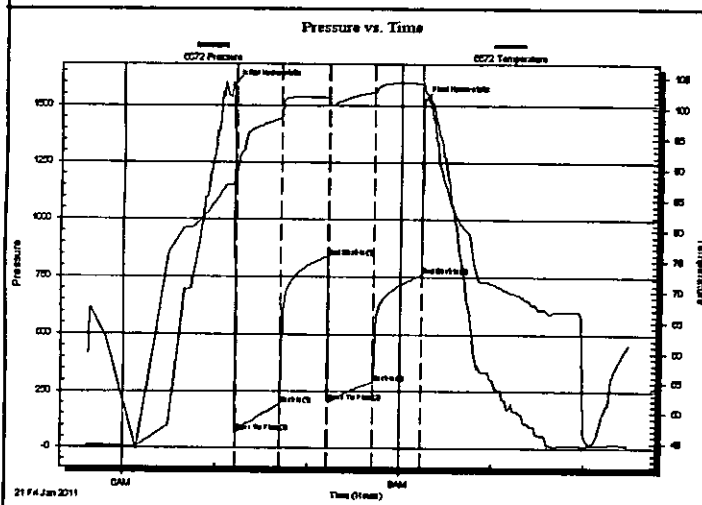
Reference Elevations: **1771.00 ft (KB)**
1761.00 ft (CF)
KB to GR/CF: **10.00 ft**

Serial #: 6672 Inside

Press@RunDepth: **292.43 psig @ 3196.00 ft (KB)**
Start Date: **2011.01.21** End Date:
Start Time: **05:37:04** End Time:

Capacity: **8000.00 psig**
Last Calib.: **2011.01.21**
Time On Btm: **2011.01.21 @ 07:11:33**
Time Off Btm: **2011.01.21 @ 09:15:03**

TEST COMMENT: IFF-Strong blow BOB in 2 1/2 min
ISI-Fair blow back built to 4 in
FFP-Strong blow BOB in 4 min
FSI-Weak blow back built to 1 in



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1592.67	87.66	Initial Hydro-static
1	69.60	88.02	Open To Flow (1)
31	191.03	98.45	Shut-In(1)
61	838.36	101.82	End Shut-In(1)
62	203.64	100.87	Open To Flow (2)
91	292.43	102.74	Shut-In(2)
122	757.69	104.04	End Shut-In(2)
124	1523.01	103.41	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
582.00	Gassy Oil 30%G 70%O	8.16
63.00	OCM 20%O 80%M	0.88
94.00	SOCGM 10%O 20%G 70%M	1.32
0.00	252 GIP	0.00

Gas Rates

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

