

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Mai Oil Operations, Inc.

P.O. Box 33
Russell Ks 67665

ATTN: Kitt Noah

Flegler #1

10 15 14 Russell Ks

Job Ticket: 33676

DST#: 1

Test Start: 2008.08.30 @ 17:00:40

GENERAL INFORMATION:

Formation: **LKC "A-C"**

Deviated: No Whipstock ft (KB)

Time Tool Opened: 18:37:40

Time Test Ended: 23:48:10

Test Type: Conventional Bottom Hole

Tester: Brett Dickinson

Unit No: #38

Interval: **2918.00 ft (KB) To 3000.00 ft (KB) (TVD)**

Total Depth: 3000.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition:

Reference Elevations: 1764.00 ft (KB)

1756.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8372 Inside

Press@RunDepth: 246.04 psig @ 2924.00 ft (KB)

Start Date: 2008.08.30

End Date: 2008.08.30

Start Time: 17:00:41

End Time: 23:48:10

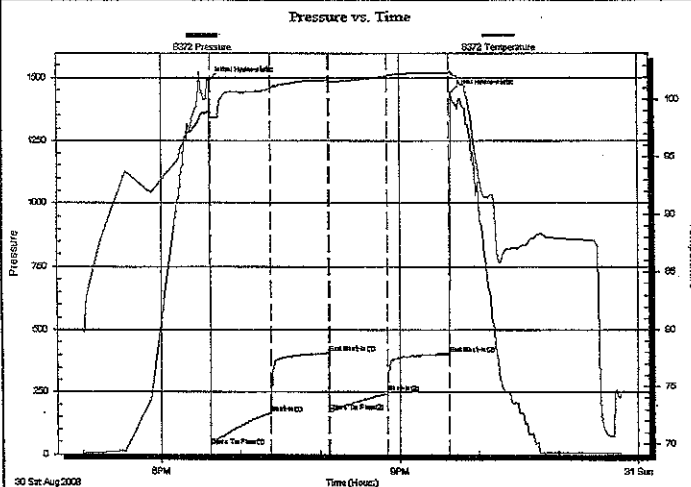
Capacity: 7000.00 psig

Last Calib.: 2008.08.30

Time On Btm: 2008.08.30 @ 18:37:10

Time Off Btm: 2008.08.30 @ 21:38:40

TEST COMMENT: IF BOB in 6 min
ISI Built to 8" in 21min
FF BOB in 13 min
FSI Built to 5" in 24min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1486.06	98.97	Initial Hydro-static
1	34.59	98.47	Open To Flow (1)
46	166.72	100.92	Shut-In (1)
90	404.57	101.70	End Shut-In (1)
90	171.42	101.56	Open To Flow (2)
134	246.04	102.05	Shut-In (2)
181	402.53	102.30	End Shut-In (2)
182	1439.21	102.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
300.00	muddywater	3.93
60.00	30%G 40%M 30%O	0.84
120.00	55%G 25%O 20%M	1.68
100.00	40%M 20%O 40	1.40
0.00	900ft GIP	0.00

Gas Rates

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

NOV 19 2008

CONSERVATION DIVISION
WICHITA, KS



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Mai Oil Operations, Inc.

P.O. Box 33
Russell Ks 67665

ATTN: Kitt Noah

Flegler #1

10 15 14 Russell Ks

Job Ticket: 33677

DST#: 2

Test Start: 2008.08.31 @ 10:45:06

GENERAL INFORMATION:

Formation: **LKC "E-G"**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 12:17:36

Time Test Ended: 17:24:06

Interval: **3017.00 ft (KB) To 3049.00 ft (KB) (TVD)**

Total Depth: **3049.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition:

Test Type: **Conventional Bottom Hole**

Tester: **Brett Dickinson**

Unit No: **#38**

Reference Elevations: **1764.00 ft (KB)**

1756.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8372

Inside

Press@RunDepth: **173.50 psig @ 3045.00 ft (KB)**

Start Date: **2008.08.31**

End Date:

2008.08.31

Start Time: **10:45:07**

End Time:

17:24:06

Capacity: **7000.00 psig**

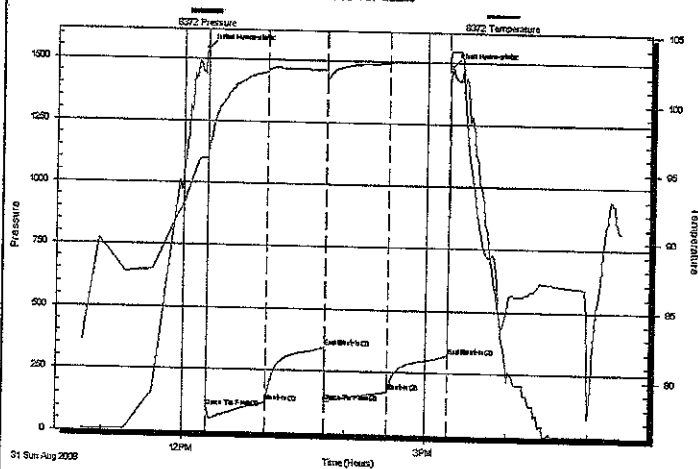
Last Calib.: **2008.08.31**

Time On Btm: **2008.08.31 @ 12:17:06**

Time Off Btm: **2008.08.31 @ 15:18:36**

TEST COMMENT: IF BOB in 1min
ISI 8in blow in 27min
FF BOB in 30sec.
FSI BOB in 5min

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1542.35	95.80	Initial Hydro-static
1	97.74	95.99	Open To Flow (1)
44	120.34	102.15	Shut-In (1)
88	344.61	102.31	End Shut-In (1)
89	128.68	101.95	Open To Flow (2)
135	173.50	102.90	Shut-In (2)
180	320.29	103.06	End Shut-In (2)
182	1484.42	103.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
270.00	Oil 95%O 5%G	3.51
60.00	45%G 10%M 45%O	0.84
120.00	15%G 70%O 15%M	1.68
0.00	2599Ft. Gas	0.00

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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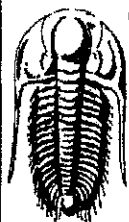
NOV 19 2008

CONSERVATION DIVISION

Trilobite Testing, Inc

Ref. No: 33677

Printed: 2008.09.09 @ 10:53:48 Page 2



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Mai Oil Operations, Inc.

P.O. Box 33
Russell Ks 67665

ATTN: Kitt Noah

Flegler #1

10 15 14 Russell Ks

Job Ticket: 33678

DST#: 3

Test Start: 2008.09.01 @ 08:10:43

GENERAL INFORMATION:

Formation: **LKC "H-J"**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 09:22:43

Time Test Ended: 14:16:13

Interval: **3087.00 ft (KB) To 3150.00 ft (KB) (TVD)**

Total Depth: **3150.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition:

Test Type: **Conventional Bottom Hole**

Tester: **Brett Dickinson**

Unit No: **#38**

Reference Elevations: **1764.00 ft (KB)**

1756.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8372

Inside

Press@RunDepth: **180.73 psig @ 3114.00 ft (KB)**

Start Date: **2008.09.01**

End Date:

2008.09.01

Capacity: **7000.00 psig**

Last Calib.: **2008.09.01**

Start Time: **08:10:44**

End Time:

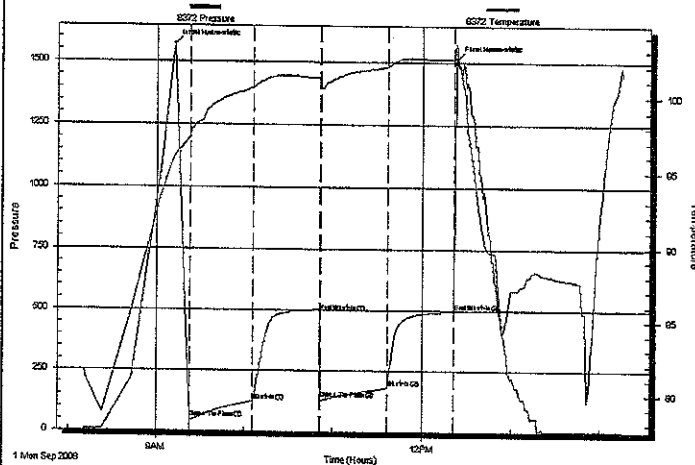
14:16:13

Time On Btm: **2008.09.01 @ 09:12:43**

Time Off Btm: **2008.09.01 @ 12:23:13**

TEST COMMENT: IF BOB in 2min
ISI 5.5in blow died back to 3.5in
FF BOB in 4min
FSI BOB in 15min GTS 20 min

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1571.40	96.13	Initial Hydro-static
10	48.47	97.37	Open To Flow(1)
54	123.04	100.62	Shut-In(1)
99	493.25	101.28	End Shut-In(1)
99	134.16	100.85	Open To Flow(2)
144	180.73	101.99	Shut-In(2)
189	497.32	102.48	End Shut-In(2)
191	1513.66	103.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	mud	0.15
90.00	GOCMM 25%G 55%O 10%W 10%M	1.26
60.00	VGOCW 40%G 45%O 15%W	0.84
60.00	VGOCM 75%G 15%O 10%M	0.84
120.00	VGOCM 60%G 30%O 10%M	1.68
30.00	VGOCM 45%G 25%O 30%M	0.42

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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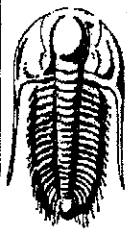
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NOV 19 2008

TriLOBITE Testing, Inc

Ref. No: 33678

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CONSERVATION DIVISION
Page 2



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Mai Oil Operations, Inc.

P.O. Box 33
Russell Ks 67665

ATTN: Kitt Noah

Flegler #1

10 15 14 Russell Ks

Job Ticket: 33679

DST#: 4

Test Start: 2008.09.02 @ 02:02:56

GENERAL INFORMATION:

Formation: **Arb.**

Deviated: **No** Whipstock **ft (KB)**

Time Tool Opened: 03:32:41

Time Test Ended: 07:42:11

Interval: **3183.00 ft (KB) To 3213.00 ft (KB) (TVD)**

Total Depth: **3213.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition:

Test Type: **Conventional Bottom Hole**

Tester: **Brett Dickinson**

Unit No: **#38**

Reference Elevations: **1764.00 ft (KB)**

1756.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8368

Outside

Press@RunDepth: **330.01 psig @ 3210.00 ft (KB)**

Start Date: **2008.09.02**

End Date:

2008.09.02

Capacity: **7000.00 psig**

Last Calib.: **2008.09.02**

Start Time: **02:02:57**

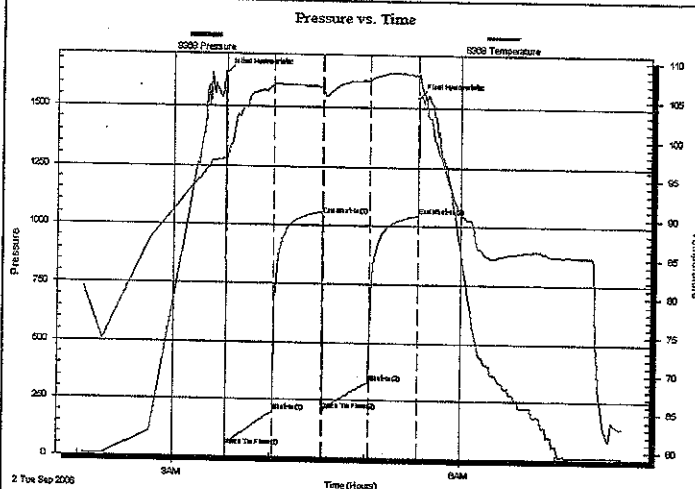
End Time:

07:42:11

Time On Btm: **2008.09.02 @ 03:32:26**

Time Off Btm: **2008.09.02 @ 05:33:26**

TEST COMMENT: IF BOB in 5min
ISI 1.5in blow
FF BOB in 5min
FSI .25in blow died in 23min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1643.76	97.53	Initial Hydro-static
1	45.04	96.72	Open To Flow (1)
30	198.62	106.84	Shut-In (1)
61	1046.74	106.70	End Shut-In (1)
61	207.10	106.35	Open To Flow (2)
90	330.01	107.55	Shut-In (2)
121	1044.47	108.26	End Shut-In (2)
121	1544.66	108.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Gmco 60%M 35%G 5%O	0.57
755.00	Gasy Oil 90%O 10%G	10.59

Gas Rates

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

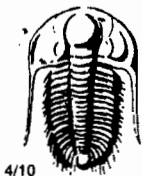
NOV 19 2008

CONSERVATION DIVISION
WICHITA, KS

Trilobite Testing, Inc

Ref. No: 33679

Printed: 2008.09.09 @ 10:54:25 Page 2



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
NOV 08 2010

Test Ticket

No. 040928 15026

BY: _____

Well Name & No.	<u>Flegler #2</u>	Test No.	<u>1</u>	Date	<u>11-5-10</u>
Company	<u>Mai</u>	Elevation	<u>1760</u>	KB	<u>1752</u> GL
Address	<u>8411 Preston Rd Ste 800 Dallas, TX 75225</u>				
Co. Rep / Geo.	<u>K. H. Noch</u>	Rig	<u>Satward 3</u>		
Location: Sec.	<u>10</u>	Twp.	<u>15</u>	Rge.	<u>14</u>
Co.	<u>Russell</u>	State	<u>KS</u>		

Interval Tested	<u>2956-2980</u>	Zone Tested	<u>LKC "A-B"</u>
Anchor Length	<u>24</u>	Drill Pipe Run	<u>2817</u>
Top Packer Depth	<u>2951</u>	Drill Collars Run	<u>123</u>
Bottom Packer Depth	<u>2956</u>	Wt. Pipe Run	<u>—</u>
Total Depth	<u>2980</u>	Chlorides	<u>6000</u> ppm System
Blow Description	<u>IFP- BOB 12 min</u>		
	<u>IST- sur blow back - died 13 min</u>		
	<u>FFP- BOB 17 min</u>		
	<u>FST- sur blow back - died 11 min</u>		

Rec	Feet of	%gas	%oil	%water	%mud
<u>280</u>	<u>G 11</u>				
<u>60</u>	<u>GWDCM</u>	<u>20</u>	<u>25</u>	<u>15</u>	<u>40</u>
<u>120</u>	<u>MW</u>			<u>90</u>	<u>10</u>
		%gas	%oil	%water	%mud
		%gas	%oil	%water	%mud

Rec Total	<u>180</u>	BHT	<u>98</u>	Gravity	API RW	<u>.068 @ 62 °F</u>	Chlorides	<u>160,000</u> ppm
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(A) Initial Hydrostatic	<u>1484</u>
(B) First Initial Flow	<u>50</u>
(C) First Final Flow	<u>73</u>
(D) Initial Shut-In	<u>380</u>
(E) Second Initial Flow	<u>94</u>
(F) Second Final Flow	<u>99</u>
(G) Final Shut-In	<u>368</u>
(H) Final Hydrostatic	<u>1395</u>

☒ Test	<u>1125</u>
☐ Jars	
☐ Safety Joint	
☐ Circ Sub	
☐ Hourly Standby	
☒ Mileage	<u>72 RT 90</u>
☐ Sampler	
☐ Straddle	
☐ Shale Packer	
☐ Extra Packer	
☐ Extra Recorder	
☐ Day Standby	
☐ Accessibility	
Sub Total	<u>1215</u>

T-On Location	<u>0952</u>
T-Started	<u>1230</u>
T-Open	<u>1352</u>
T-Pulled	<u>1652</u>
T-Out	<u>1823</u>
Comments	<u>5' fill on bottom</u>
☐ Ruined Shale Packer	
☐ Ruined Packer	
☐ Extra Copies	
Sub Total	
Total	
MP/DST Disc't	

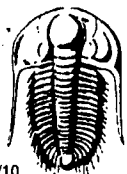
Initial Open	<u>45</u>
Initial Shut-In	<u>45</u>
Final Flow	<u>45</u>
Final Shut-In	<u>45</u>

Approved By _____

Our Representative

Brian Fairbank

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

RECEIVED **Test Ticket**
NOV 08 2010 NO. 040929

4/10

Well Name & No. <u>Flegler #2</u>	Test No. <u>2</u>	Date <u>11-6-10</u>
Company <u>Mai</u>	Elevation <u>1760</u>	KB <u>1752</u> GL
Address _____		
Co. Rep / Geo. <u>K: # Nock</u>	Rig <u>Sutherland 3</u>	
Location: Sec. <u>10</u> Twp. <u>15</u> Rge. <u>14</u>	Co. <u>Russell</u>	State <u>K</u>

Interval Tested <u>3018 - 3052</u>	Zone Tested <u>LKC "E-G"</u>
Anchor Length <u>34</u>	Drill Pipe Run <u>2881</u>
Top Packer Depth <u>3013</u>	Drill Collars Run <u>123</u>
Bottom Packer Depth <u>3018</u>	Wt. Pipe Run <u>—</u>
Total Depth <u>3052</u>	Chlorides <u>6000</u> ppm System
Blow Description <u>IFP-BOB 4 min</u>	Mud Wt. <u>9.3</u>
<u>ISI- sur blow back - died 5 min</u>	Vis <u>52</u>
<u>FFP-BOB 2 1/2 min</u>	WL <u>8.4</u>
<u>FSI- no blow back</u>	LCM _____

Rec <u>580</u>	Feet of <u>GIP</u>	%gas	%oil	%water	%mud
Rec <u>125</u>	Feet of <u>0 scum mud</u>	%gas	<u>scum</u> %oil	%water	<u>100</u> %mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud

Rec Total 125 BHT 96 Gravity _____ API RW _____ @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic 1509
 (B) First Initial Flow 58
 (C) First Final Flow 48
 (D) Initial Shut-In 229
 (E) Second Initial Flow 67
 (F) Second Final Flow 67
 (G) Final Shut-In 225
 (H) Final Hydrostatic 1440

☒ Test 1125
☐ Jars _____
☐ Safety Joint _____
☐ Circ Sub _____
☐ Hourly Standby _____
☒ Mileage 72 RT 90
☐ Sampler _____
☐ Straddle _____
☐ Shale Packer _____
☐ Extra Packer _____
☐ Extra Recorder _____
☐ Day Standby _____
☐ Accessibility _____
 Sub Total 1215

T-On Location 0508
 T-Started 0617
 T-Open 0750
 T-Pulled 1020
 T-Out 1133

Comments _____

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

☐ Ruined Shale Packer _____
☐ Ruined Packer _____
☐ Extra Copies _____
 Sub Total _____
 Total _____
 MP/DST Disc't _____

Approved By _____

Our Representative Brian Farnbach

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

NOV 08 2010

Test Ticket

NO. 040930

Well Name & No. Flegler #2 Test No. 3 Date 11-6-10
 Company Mai Elevation 1760 KB 1752 GL
 Address _____
 Co. Rep / Geo. Kitt Nech Rig Sutherland 3
 Location: Sec. 10 Twp. 15 Rge. 14 Co. Russell State K

Interval Tested 3090 - 3150 Zone Tested LKC - "H-K"
 Anchor Length 60 Drill Pipe Run 2974 Mud Wt. 9.4
 Top Packer Depth 3085 Drill Collars Run 123 Vis 54
 Bottom Packer Depth 3090 Wt. Pipe Run — WL 8.0
 Total Depth 3150 Chlorides 7000 ppm System LCM
 Blow Description IFP- BOB 8 min
FSI- 3" blow back
FFA- BOB 6 min
FSI- 6" blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>GOOM</u>	<u>15</u>	<u>15</u>	<u>60</u>	<u>60</u>
<u>90</u>	<u>GM+WCO</u>	<u>55</u>	<u>35</u>	<u>5</u>	<u>5</u>
<u>60</u>	<u>MW</u>	<u>60</u>	<u>40</u>	<u>60</u>	<u>40</u>
<u>805</u>	<u>GIP</u>				

Rec Total 210 BHT 101 Gravity _____ API RW .187@ 45° F Chlorides 67,000 ppm

(A) Initial Hydrostatic 1536
 (B) First Initial Flow 75
 (C) First Final Flow 95
 (D) Initial Shut-In 351
 (E) Second Initial Flow 121
 (F) Second Final Flow 127
 (G) Final Shut-In 338
 (H) Final Hydrostatic 1471

☒ Test 1125
☐ Jars
☐ Safety Joint
☐ Circ Sub
☐ Hourly Standby
☒ Mileage 72 RT 90
☐ Sampler
☐ Straddle
☐ Shale Packer
☐ Extra Packer
☐ Extra Recorder
☐ Day Standby
☐ Accessibility
 Sub Total 1215

T-On Location 2302
 T-Started 0055
 T-Open 0222
 T-Pulled 0522
 T-Out 0712

Comments _____
☐ Ruined Shale Packer
☐ Ruined Packer
☐ Extra Copies
 Sub Total _____
 Total _____
 MP/DST Disc't _____

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

Approved By _____ Our Representative Brian Fairbank

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
NOV 08 2010

Test Ticket

NO. 040931

Well Name & No. Flegler #2 Test No. 4 Date 11-7-10
 Company Ma: Elevation 1760 KB 1752 GL
 Address _____
 Co. Rep / Geo. KH Noah Rig Southard 3
 Location: Sec. 10 Twp. 15 Rge. 14 Co. Russell State K

Interval Tested 3178-3213 Zone Tested Arbuckle
 Anchor Length 35 Drill Pipe Run 3039 Mud Wt. 8.7
 Top Packer Depth 3173 Drill Collars Run 123 Vis 54
 Bottom Packer Depth 3178 Wt. Pipe Run _____ WL 8.8
 Total Depth 3213 Chlorides 10,000 ppm System LCM _____

Blow Description IFP - weak blow throughout 1/2-3"
ISI - no blow back
FFP - weak to fair blow sur - 4"
FSI - no blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>80</u>	<u>Free Oil</u>	<u>95</u>			<u>5</u>
<u>55</u>	<u>OCM</u>	<u>10</u>			<u>90</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 135 BHT 98 Gravity 36 API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1568
 (B) First Initial Flow 34
 (C) First Final Flow 48
 (D) Initial Shut-In 908
 (E) Second Initial Flow 57
 (F) Second Final Flow 71
 (G) Final Shut-In 906
 (H) Final Hydrostatic 1516

☒ Test 1125
☐ Jars _____
☐ Safety Joint _____
☐ Circ Sub _____
☐ Hourly Standby _____
☒ Mileage 72.2 144 RT 180
☐ Sampler _____
☐ Straddle _____
☐ Shale Packer _____
☐ Extra Packer _____
☐ Extra Recorder _____
☐ Day Standby _____
☐ Accessibility _____
 Sub Total 1305

T-On Location 1445
 T-Started 1559
 T-Open 1726
 T-Pulled 2026
 T-Out 2155
 Comments mileage to load tools
☐ Ruined Shale Packer _____
☐ Ruined Packer _____
☐ Extra Copies _____
 Sub Total _____
 Total _____
 MP/DST Disc't _____

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

Approved By _____

Our Representative Brian Ferbank

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