



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mai Oil Operations, Inc.

8411 Preston Rd. Ste.# 800
Dallas, TX 75225

ATTN: Steve Murphy

Flegler C#1

11-15-14 Russell,KS

Job Ticket: 45232

DST#: 1

Test Start: 2011.08.26 @ 06:59:15

GENERAL INFORMATION:

Formation: **Tarkio**

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

Time Tool Opened: 08:33:15

Time Test Ended: 12:59:45

Test Type: Conventional Bottom Hole

Tester: Dustin Rash

Unit No: 38

Interval: **2446.00 ft (KB) To 2498.00 ft (KB) (TVD)**

Total Depth: **2498.00 ft (KB) (TVD)**

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

Reference Elevations: **1891.00 ft (KB)**

1885.00 ft (CF)

KB to GR/CF: **6.00 ft**

Serial #: 8354 Inside

Press@RunDepth: **124.71 psig @ 2449.00 ft (KB)**

Start Date: **2011.08.26**

End Date: **2011.08.26**

Start Time: **07:09:15**

End Time: **12:59:45**

Capacity: **8000.00 psig**

Last Calib.: **2011.08.26**

Time On Btm: **2011.08.26 @ 08:33:05**

Time Off Btm: **2011.08.26 @ 11:36:15**

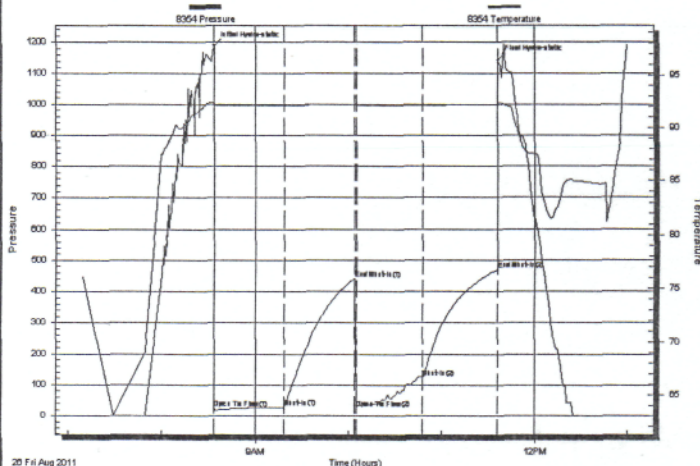
TEST COMMENT: IF-Strong building blow . BOB in 4 minutes 5 seconds.

ISI-No Return.

FF-Strong building blow . BOB in 10 seconds.

FSI-No Return.

Pressure vs. Time



PRESSURE SUMMARY

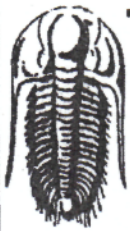
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1188.51	92.35	Initial Hydro-static
1	26.10	91.99	Open To Flow (1)
46	28.72	92.09	Shut-In(1)
91	442.14	92.20	End Shut-In(1)
92	24.88	92.14	Open To Flow (2)
135	124.71	92.10	Shut-In(2)
183	467.67	92.17	End Shut-In(2)
184	1144.33	92.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	100%Mud	0.30

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mai Oil Operations, Inc.

8411 Preston Rd. Ste.# 800
Dallas, TX 75225

ATTN: Steve Murphy

Flegler C#1

11-15-14 Russell,KS

Job Ticket: 45233

DST#: 2

Test Start: 2011.08.26 @ 18:41:15

GENERAL INFORMATION:

Formation: **Willard Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:43:05

Time Test Ended: 00:12:15

Test Type: Conventional Bottom Hole

Tester: Dustin Rash

Unit No: 38

Interval: **2528.00 ft (KB) To 2576.00 ft (KB) (TVD)**

Total Depth: 2576.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1891.00 ft (KB)

1885.00 ft (CF)

KB to GR/CF: 6.00 ft

Serial #: 8354

Inside

Press@RunDepth: 207.84 psig @ 2563.00 ft (KB)

Start Date: 2011.08.26

End Date:

2011.08.27

Start Time: 18:51:15

End Time:

00:12:15

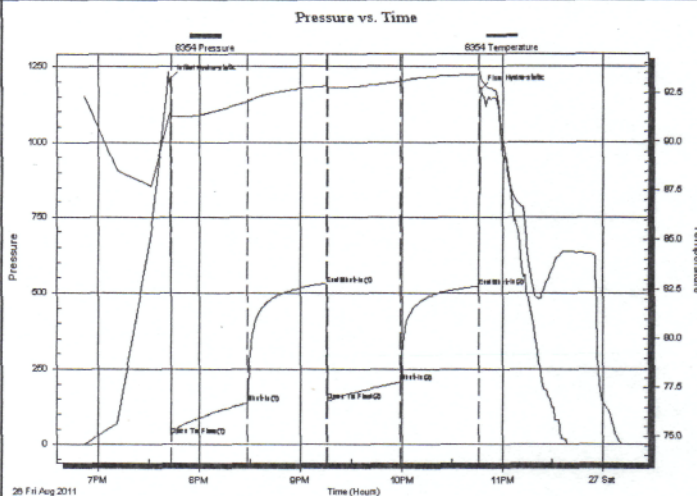
Capacity: 8000.00 psig

Last Calib.: 2011.08.27

Time On Btm: 2011.08.26 @ 19:42:45

Time Off Btm: 2011.08.26 @ 22:47:15

TEST COMMENT: IF-Strong building blow . BOB in 3 minutes.
ISI-Return @ 30 seconds. Built to 2 inches.
FF-Strong building blow . BOB in 9 minutes.
FSI-Return @ 30 seconds. Built to 3 inches.



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1210.15	91.48	Initial Hydro-static
1	30.99	91.19	Open To Flow (1)
46	137.83	92.06	Shut-In(1)
93	529.26	92.87	End Shut-In(1)
93	144.67	92.78	Open To Flow (2)
137	207.84	93.08	Shut-In(2)
183	523.82	93.43	End Shut-In(2)
185	1175.02	93.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
240.00	95%Water/5%Mud	2.26
120.00	65%Water/35%Mud	1.68
45.00	98%Mud/2%Oil	0.63

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mai Oil Operations, Inc.

8411 Preston Rd. Ste.# 800
Dallas, TX 75225

ATTN: Steve Murphy

Flegler C#1

11-15-14 Russell,KS

Job Ticket: 45234

DST#: 3

Test Start: 2011.08.27 @ 20:00:20

GENERAL INFORMATION:

Formation: **Plattsmouth**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:18:30

Time Test Ended: 01:48:50

Test Type: Conventional Bottom Hole

Tester: Dustin Rash

Unit No: 38

Interval: **2958.00 ft (KB) To 2974.00 ft (KB) (TVD)**

Total Depth: 2974.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1891.00 ft (KB)

1885.00 ft (CF)

KB to GR/CF: 6.00 ft

Serial #: 8354

Inside

Press@RunDepth: 31.21 psig @ 2961.00 ft (KB)

Start Date: 2011.08.27

End Date:

2011.08.28

Start Time: 20:10:20

End Time:

01:48:50

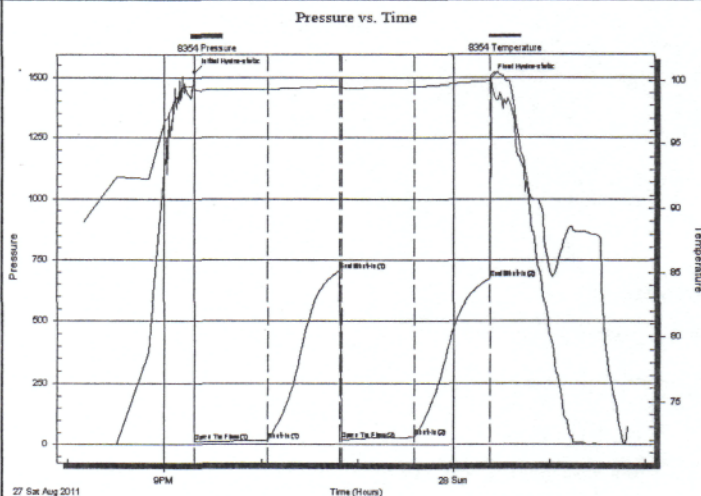
Capacity: 8000.00 psig

Last Calib.: 2011.08.28

Time On Btmr 2011.08.27 @ 21:18:20

Time Off Btmr 2011.08.28 @ 00:23:20

TEST COMMENT: IF-Strong building blow . BOB in 7 minutes.
ISI-No Return
FF-Strong building blow . BOB in 10 seconds.
FSI-No Return.



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1519.75	99.61	Initial Hydro-static
1	14.41	99.06	Open To Flow (1)
46	18.41	99.30	Shut-In(1)
91	706.76	99.56	End Shut-In(1)
92	22.35	99.43	Open To Flow (2)
137	31.21	99.51	Shut-In(2)
185	676.25	99.97	End Shut-In(2)
185	1496.88	100.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
25.00	60%Oil/40%Gas	0.35
25.00	40%Mud/30%Oil/30%Gas	0.35
0.00	660' G.I.P.	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mct/d)
--	----------------	-----------------	------------------



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mai Oil Operations, Inc.

8411 Preston Rd. Ste.# 800
Dallas, TX 75225

ATTN: Steve Murphy

Flegler C#1

11-15-14 Russell,KS

Job Ticket: 45235

DST#: 4

Test Start: 2011.08.28 @ 12:48:20

GENERAL INFORMATION:

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

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:17:20

Time Test Ended: 18:38:20

Test Type: Conventional Bottom Hole

Tester: Dustin Rash

Unit No: 38

Interval: **3082.00 ft (KB) To 3120.00 ft (KB) (TVD)**

Total Depth: 3120.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1891.00 ft (KB)

1885.00 ft (CF)

KB to GR/CF: 6.00 ft

Serial #: 8354

Inside

Press@RunDepth: 52.11 psig @ 3084.00 ft (KB)

Start Date: 2011.08.28

End Date:

2011.08.28

Start Time: 12:58:20

End Time:

18:38:20

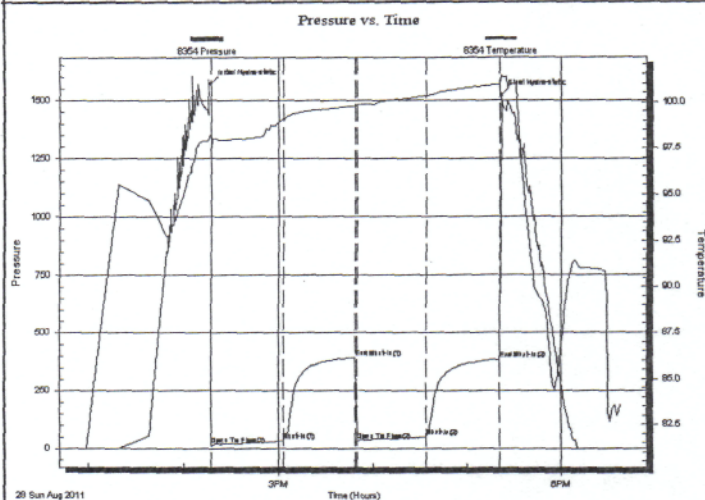
Capacity: 8000.00 psig

Last Calib.: 2011.08.28

Time On Btm: 2011.08.28 @ 14:17:10

Time Off Btm: 2011.08.28 @ 17:21:50

TEST COMMENT: IF-Fair building blow . BOB in 24 minutes.
ISI-No Return.
FF-Fair building blow . BOB in 27 minutes 30 seconds.
FSI-No Return.



PRESSURE SUMMARY

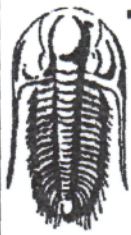
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1571.04	98.24	Initial Hydro-static
1	18.08	97.49	Open To Flow (1)
46	33.67	99.06	Shut-In(1)
92	393.92	99.79	End Shut-In(1)
93	35.70	99.82	Open To Flow (2)
137	52.11	100.34	Shut-In(2)
184	386.03	100.94	End Shut-In(2)
185	1523.75	101.41	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	38%Gas/30%Oil/30%Mud/2%Water	0.84
40.00	40%Oil/38%Gas/20%Mud/2%Water	0.56
0.00	260' G.I.P.	0.00

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Mai Oil Operations, Inc.

8411 Preston Rd. Ste.# 800
Dallas, TX 75225

ATTN: Steve Murphy

Flegler C#1

11-15-14 Russell,KS

Job Ticket: 45236

DST#: 5

Test Start: 2011.08.29 @ 01:01:15

GENERAL INFORMATION:

Formation: **LKC "E-F"**

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

Time Tool Opened: 03:08:15

Time Test Ended: 07:53:45

Test Type: **Conventional Bottom Hole**

Tester: **Dustin Rash**

Unit No: **38**

Interval: **3140.00 ft (KB) To 3170.00 ft (KB) (TVD)**

Total Depth: **3170.00 ft (KB) (TVD)**

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

Reference Elevations: **1891.00 ft (KB)**

1885.00 ft (CF)

KB to GR/CF: **6.00 ft**

Serial #: 8354

Inside

Press@RunDepth: **108.73 psig @ 3142.00 ft (KB)**

Start Date: **2011.08.29**

End Date:

2011.08.29

Capacity: **8000.00 psig**

Last Calib.:

2011.08.29

Start Time: **01:11:15**

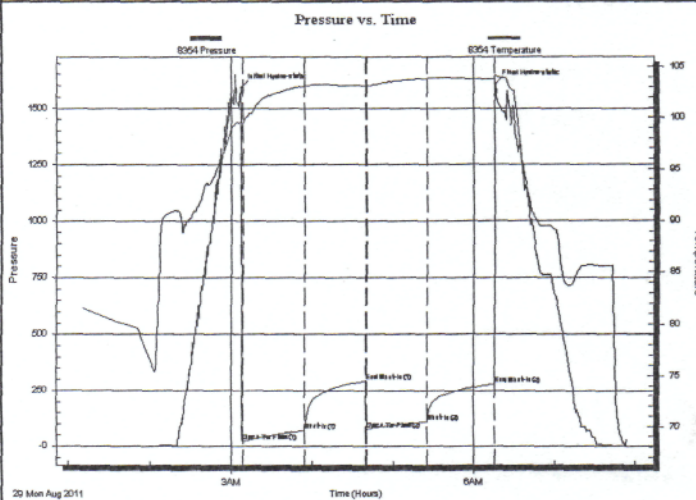
End Time:

07:53:45

Time On Btmr **2011.08.29 @ 03:07:15**

Time Off Btmr **2011.08.29 @ 06:16:15**

TEST COMMENT: IF-Strong building blow . BOB in 3 minutes 30 seconds.
ISI-Return @ 30 seconds. Built to 1&1/2 inches.
FF-Fair building blow . BOB in 12 minutes.
FSI-Return @ 30 seconds. Built to 1&1/2 inches.



PRESSURE SUMMARY

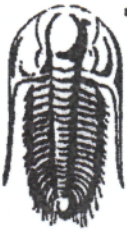
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1590.86	99.54	Initial Hydro-static
1	21.99	99.34	Open To Flow (1)
47	70.43	103.10	Shut-In(1)
93	293.96	103.14	End Shut-In(1)
93	74.12	103.07	Open To Flow (2)
138	108.73	103.82	Shut-In(2)
188	280.07	103.79	End Shut-In(2)
189	1608.57	104.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	90%Water/10%Mud	1.68
60.00	68%Mud/30%Water/2%Oil	0.84
10.00	60%Oil/30%Mud/10%Water	0.14
10.00	70%Oil/30%Gas	0.14
0.00	700' G.I.P.	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Mai Oil Operations, Inc.

8411 Preston Rd. Ste.# 800
Dallas, TX 75225

ATTN: Steve Murphy

Flegler C#1

11-15-14 Russell, KS

Job Ticket: 45237

DST#: 6

Test Start: 2011.08.29 @ 23:52:30

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:20:00

Time Test Ended: 07:45:00

Test Type: Conventional Bottom Hole

Tester: Dustin Rash

Unit No: 38

Interval: **3338.00 ft (KB) To 3350.00 ft (KB) (TVD)**

Total Depth: 3350.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1891.00 ft (KB)

1885.00 ft (CF)

KB to GR/CF: 6.00 ft

Serial #: 8520

Outside

Press@RunDepth: 884.07 psig @ 3341.00 ft (KB)

Start Date: 2011.08.29

End Date:

2011.08.30

Start Time: 23:52:30

End Time:

07:45:00

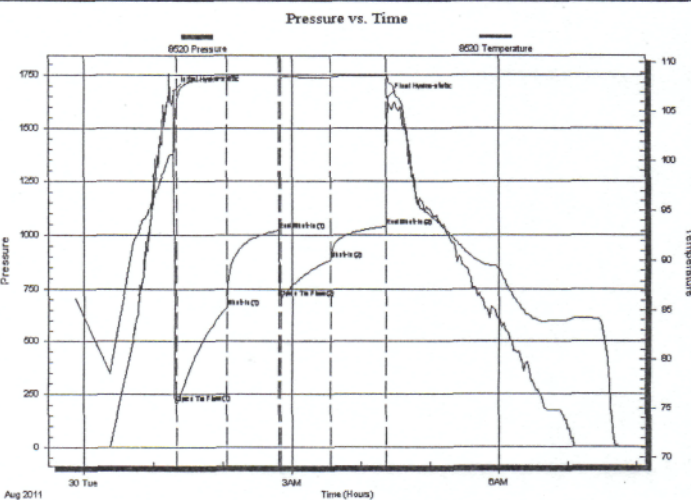
Capacity: 8000.00 psig

Last Calib.: 2011.08.30

Time On Btm: 2011.08.30 @ 01:17:40

Time Off Btm: 2011.08.30 @ 04:23:00

TEST COMMENT: IF-Strong building blow. BOB in 20 seconds.
ISI-Return @ 1 minute. Built to 1/4 inch.
FF-Strong building blow. BOB in 1 minute.
FSI-No Return.



PRESSURE SUMMARY

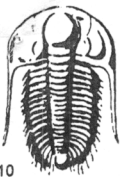
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1678.04	100.82	Initial Hydro-static
3	209.55	106.14	Open To Flow (1)
46	662.30	108.46	Shut-In(1)
91	1021.69	108.77	End Shut-In(1)
93	705.52	108.42	Open To Flow (2)
136	884.07	108.50	Shut-In(2)
184	1039.69	108.69	End Shut-In(2)
186	1644.28	108.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	48%Mud/30%Oil/20%Gas/2%Water	0.42
2356.00	60%Oil/40%Gas	33.05

Gas Rates

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



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED

AUG 29 2011

Test Ticket

NO. 45232 16253

Well Name & No. Flegler "C" #1 Test No. 1 Date 8-26-11
Company Mar Oil Operations, Inc. Elevation 1891 KB 1885 GL
Address 8411 Preston Rd. Ste. #800 Dallas, TX 75225
Co. Rep / Geo. Steve Murphy Rig Southward 3
Location: Sec. 11 Twp. 15S. Rge. 14W Co. Russell State KS

Interval Tested 2446-2498 Zone Tested Talkio
Anchor Length 52' Drill Pipe Run 2336 Mud Wt. 8.9
Top Packer Depth 2441 Drill Collars Run 122.08 Vis 57
Bottom Packer Depth 2446 Wt. Pipe Run 0 WL 7.2
Total Depth 2498 Chlorides 3000 ppm System LCM 2#

Blow Description IF- Strong building blow, BOB in 4 minutes 5 seconds,
FF- No Return,
FF- Strong building blow, BOB in 10 seconds,
FF- No Return,

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>Mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of <u>May have been low methane</u>	%gas	%oil	%water	%mud
Rec	Feet of <u>gas</u>	%gas	%oil	%water	%mud

Rec Total _____ BHT 92 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

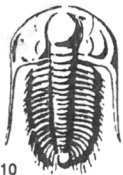
(A) Initial Hydrostatic <u>1189</u>	☒ Test <u>1125</u>	T-On Location <u>0600</u>
(B) First Initial Flow <u>26</u>	☐ Jars _____	T-Started <u>0700</u>
(C) First Final Flow <u>29</u>	☐ Safety Joint _____	T-Open <u>0833</u>
(D) Initial Shut-In <u>442</u>	☐ Circ Sub _____	T-Pulled <u>1133</u>
(E) Second Initial Flow <u>25</u>	☐ Hourly Standby _____	T-Out <u>1300</u>
(F) Second Final Flow <u>125</u>	☒ Mileage <u>36X2 72RT 100.80</u>	Comments <u>OUT-0659</u>
(G) Final Shut-In <u>468</u>	☐ Sampler _____	
(H) Final Hydrostatic <u>1144</u>	☐ Straddle _____	☐ Ruined Shale Packer _____

Initial Open <u>45</u>	☐ Shale Packer _____	☐ Ruined Packer _____
Initial Shut-In <u>45</u>	☐ Extra Packer _____	☐ Extra Copies _____
Final Flow <u>45</u>	☐ Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>45</u>	☐ Day Standby _____	Total <u>1225.80</u>
	☐ Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1225.80</u>	

Approved By _____

Our Representative D. Rosh

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
AUG 29 2011

Test Ticket

NO. 45233

Well Name & No. Flegler "C" #7 Test No. 2 Date 8-26-11
Company Mai Oil Operations, Inc. Elevation 1891 KB 1885 GL
Address 8411 Preston Rd. Ste. #800 Dallas, TX 75225
Co. Rep / Geo. Steve Murphy Rig Southwind 3
Location: Sec. 11 Twp. 15S Rge. 14W Co. Russell State KS

Interval Tested 2528-2576 Zone Tested Willard Sand
Anchor Length 48' Drill Pipe Run 2397 Mud Wt. 8.9
Top Packer Depth 2523 Drill Collars Run 122.08 Vis 57
Bottom Packer Depth 2528 Wt. Pipe Run 0 WL 7.2
Total Depth 2576 Chlorides 3000 ppm System LCM 2#

Blow Description EF- Strong building blow. BOB in 3 minutes.
ISI- Return @ 30 seconds. Built to
FF- Strong building blow. BOB in 9 minutes.
FSE- Return @ 30 seconds. Built to 3 inches.

Rec	Feet of	%gas	%oil	%water	%mud
<u>45</u>	<u>M10</u>	<u>2</u>		<u>98</u>	
<u>120</u>	<u>M1W</u>		<u>65</u>	<u>35</u>	
<u>240</u>	<u>M1W</u>		<u>95</u>	<u>5</u>	

Rec Total 405 BHT 93 Gravity 1125 API RW 0.188 @ 77 °F Chlorides 34,000 ppm

(A) Initial Hydrostatic	(B) First Initial Flow	(C) First Final Flow	(D) Initial Shut-In	(E) Second Initial Flow	(F) Second Final Flow	(G) Final Shut-In	(H) Final Hydrostatic
<u>1210</u>	<u>31</u>	<u>138</u>	<u>529</u>	<u>145</u>	<u>208</u>	<u>524</u>	<u>1175</u>

☒ Test 1125
☐ Jars
☐ Safety Joint
☐ Circ Sub
☐ Hourly Standby
☒ Mileage 36X2 72 RT 100.80
☐ Sampler
☐ Straddle
☐ Shale Packer
☐ Extra Packer
☐ Extra Recorder
☐ Day Standby
☐ Accessibility

T-On Location 1830
T-Started 1845
T-Open 1944
T-Pulled 1045
T-Out 0015
Comments Batt-1841

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

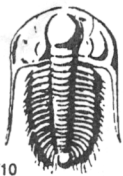
Sub Total 1225.80

MP/DST Disc't

Approved By

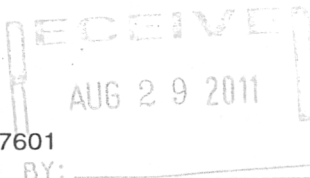
Our Representative D. Kask

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



Test Ticket

NO. 45234

Well Name & No. Flegler "C" #1 Test No. 3 Date 8-27-11
Company Max Oil Operations, Inc. Elevation 1891 KB 1885 GL
Address 8411 Preston Rd. Ste. #800 Dallas, Tx 75225
Co. Rep / Geo. Steve Murphy Rig Southard 3
Location: Sec. 11 Twp. 15S Rge. 14W Co. Russell State KS

Interval Tested 2958-2974 Zone Tested Plattsburgh
Anchor Length 16' Drill Pipe Run 2962 Mud Wt. 9.0
Top Packer Depth 2953 Drill Collars Run 0 Vis 56
Bottom Packer Depth 2958 Wt. Pipe Run 0 WL 9.2
Total Depth 2974 Chlorides 4000 ppm System LCM 1#

Blow Description IF- Strong building blow. BOB in 7 minutes.
IST- No Return
FF- Strong building blow. BOB in 10 seconds.
FST- No Return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>25</u>	<u>MCOCG</u>	<u>30</u>	<u>30</u>	<u>40</u>	<u>0</u>
<u>25</u>	<u>Gassy Oil</u>	<u>40</u>	<u>60</u>	<u>0</u>	<u>0</u>
		%gas	%oil	%water	%mud
	<u>660' G.I.P.</u>	%gas	%oil	%water	%mud
		%gas	%oil	%water	%mud

Rec Total 50 BHT 100 Gravity 29 API RW @ ° F Chlorides ppm

(A) Initial Hydrostatic	(B) First Initial Flow	(C) First Final Flow	(D) Initial Shut-In	(E) Second Initial Flow	(F) Second Final Flow	(G) Final Shut-In	(H) Final Hydrostatic
<u>1520</u>	<u>14</u>	<u>18</u>	<u>707</u>	<u>22</u>	<u>31</u>	<u>676</u>	<u>1497</u>

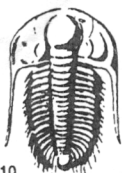
Test	Jars	Safety Joint	Circ Sub	Hourly Standby	Mileage	Sampler	Straddle	Shale Packer	Extra Packer	Extra Recorder	Day Standby	Accessibility
<u>1125</u>					<u>36X2 72rt 100.80</u>							

T-On Location 1930
T-Started 2015
T-Open 2119
T-Pulled 0020
T-Out 0150
Comments BHT-2000

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

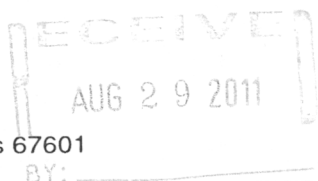
Sub Total 1225.80

Approved By _____ Our Representative D. Rash
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



Test Ticket

NO. 45235

Well Name & No. Flegler "C" #1 Test No. 4 Date 8-28-11
 Company Mai Oil Operations Elevation 1891 KB 1885 GL
 Address 8411 Preston Rd. Ste. #800 Dallas, TX 75225
 Co. Rep / Geo. Steve Murphy Rig Southwind 3
 Location: Sec. 11 Twp. 15S. Rge. 14W. Co. Russell State KS

Interval Tested 3082-3120 Zone Tested LKC "A-C"
 Anchor Length 38' Drill Pipe Run 3086 Mud Wt. 9.1
 Top Packer Depth 3077 Drill Collars Run 0 Vis 52
 Bottom Packer Depth 3082 Wt. Pipe Run 0 WL 9.6
 Total Depth 3120 Chlorides 8000 ppm System LCM 3/4"

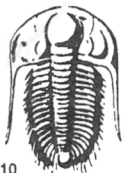
Blow Description IF- Fair building blow. BOB in 24 minutes.
IST- No Return.
FF- Fair building blow. BOB in 27 1/2 minutes.
FST- No Return.

Rec <u>40</u>	Feet of <u>HOCMCGCW</u>	<u>38</u> %gas	<u>40</u> %oil	<u>2</u> %water	<u>20</u> %mud
Rec <u>60</u>	Feet of <u>HOCMCGCW</u>	<u>38</u> %gas	<u>30</u> %oil	<u>2</u> %water	<u>30</u> %mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud
Rec _____	Feet of <u>260' G.I.P.</u>	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud

Rec Total 100 BHT 101 Gravity N/A API RW _____ @ _____ °F Chlorides _____ ppm
 (A) Initial Hydrostatic 1571 ☒ Test 1125' T-On Location 1200
 (B) First Initial Flow 18 ☐ Jars _____ T-Started 0110
 (C) First Final Flow 34 ☐ Safety Joint _____ T-Open 1417
 (D) Initial Shut-In 394 ☐ Circ Sub _____ T-Pulled 1720
 (E) Second Initial Flow 36 ☐ Hourly Standby _____ T-Out 1845
 (F) Second Final Flow 52 ☒ Mileage 36X2 72 et 100.80 Comments BHT-1248
 (G) Final Shut-In 386 ☐ Sampler _____
 (H) Final Hydrostatic 1524 ☐ Straddle _____

☐ Shale Packer _____ ☐ Ruined Shale Packer _____
☐ Extra Packer _____ ☐ Ruined Packer _____
☐ Extra Recorder _____ ☐ Extra Copies _____
☐ Day Standby _____ Sub Total 0
☐ Accessibility _____ Total 1225.80
 Sub Total 1225.80 MP/DST Disc't _____

Approved By _____ Our Representative [Signature]
 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
AUG 29 2011
BY: _____

Test Ticket

NO. 45236

Well Name & No. Flegler "C" #1 Test No. 5 Date 8-29-11
Company Mar Oil Operations, Inc. Elevation 1891 KB 1885 GL
Address 8411 Preston Rd. Ste. #800 Dallas, TX 75225
Co. Rep / Geo. Steve Murphy Rig Southward 3
Location: Sec. 11 Twp. 15S. Rge. 14W Co. Russell State KS

Interval Tested 3140-3170 Zone Tested LKC "E-F"
Anchor Length 30' Drill Pipe Run 3153 Mud Wt. 9.1
Top Packer Depth 3135 Drill Collars Run 0 Vis 52
Bottom Packer Depth 3140 Wt. Pipe Run 0 WL 9.6
Total Depth 3170 Chlorides 8000 ppm System LCM 3/4"

Blow Description IF - Strong building blow. BOB in 3 1/2 minutes,
IST - Return @ 30 seconds. Built to 1 1/2 inches
FF - Fair building blow, BOB in 12 minutes,
FST - Return @ 30 seconds. Built to 1 1/2 inches.

Rec	Feet of	%gas	%oil	%water	%mud
10	Cassy Oil	30	70		
10	VSOC MCO		60	10	30
60	VSOC Waxy Mud		2	30	68
120	VSOC MCO Muddy water			90	10
	700' G.I.P.				

Rec Total 200' BHT 104 Gravity 40 API RW 189 @ 69 °F Chlorides 38,000 ppm

(A) Initial Hydrostatic	(B) First Initial Flow	(C) First Final Flow	(D) Initial Shut-In	(E) Second Initial Flow	(F) Second Final Flow	(G) Final Shut-In	(H) Final Hydrostatic
<u>1591</u>	<u>22</u>	<u>70</u>	<u>294</u>	<u>74</u>	<u>109</u>	<u>280</u>	<u>1609</u>

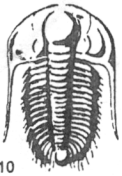
Initial Open	Initial Shut-In	Final Flow	Final Shut-In
<u>45</u>	<u>45</u>	<u>45</u>	<u>45</u>

Sub Total 1225.80

Approved By _____

Our Representative D. Rash

Triobite 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
SEP 06 2011

Test Ticket

NO. 45237

Well Name & No. Flegler "C" #1 Test No. 6 Date 8-29-11
 Company Mai Oil Operations, Inc. Elevation 1891 KB 1885 GL
 Address 8411 Preston Rd. Ste. #800 Dallas, TX 75225
 Co. Rep / Geo. Steve Murphy Rig Southwind 3
 Location: Sec. 11 Twp. 15S Rge. 14W Co. Russell State KS

Interval Tested 3338-3350 Zone Tested Aubuckle
 Anchor Length 12' Drill Pipe Run 3340 Mud Wt. 9.4
 Top Packer Depth 3333 Drill Collars Run 0 Vis 51
 Bottom Packer Depth 3338 Wt. Pipe Run 0 WL 10.2
 Total Depth 3350 Chlorides 6800 ppm System LCM 3/4"

Blow Description IF- Strong building blow, BOB in 20 seconds.
1ST- Return @ 1 minute, Built to 1/4 inch,
FF- Strong building blow, BOB in 1 minute,
FSD- No Return,

Rec <u>2356</u>	Feet of <u>Gassy Oil</u>	<u>40</u> %gas	<u>60</u> %oil	%water	%mud
Rec <u>30</u>	Feet of <u>G/O/W/M</u>	<u>20</u> %gas	<u>30</u> %oil	<u>2</u> %water	<u>48</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 2386 BHT 104 Gravity 36 API RW @ ° F Chlorides ppm
 (A) Initial Hydrostatic 1591 ☒ Test 1125- T-On Location 2300
 (B) First Initial Flow 22 ☐ Jars T-Started 0015
 (C) First Final Flow 70 ☐ Safety Joint T-Open 0118
 (D) Initial Shut-In 294 ☐ Circ Sub T-Pulled 0420
 (E) Second Initial Flow 74 ☐ Hourly Standby T-Out 0800
 (F) Second Final Flow 109 ☒ Mileage 36X2 72RT 100.80 Comments Bart-2342
 (G) Final Shut-In 280 ☐ Sampler
 (H) Final Hydrostatic 1609 ☐ Straddle ☐ Ruined Shale Packer

Initial Open 45 ☐ Shale Packer ☐ Ruined Packer
 Initial Shut-In 45 ☐ Extra Packer ☐ Extra Copies
 Final Flow 45 ☐ Extra Recorder Sub Total 0
 Final Shut-In 45 ☐ Day Standby Total 1225.80
☐ Accessibility MP/DST Disc't
 Sub Total 1225.80

Approved By _____ Our Representative [Signature]

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.