



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mai Oil Operations

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

Dechant #1

3-22-24 Hodgeman, KS

Job Ticket: 43823

DST#: 1

Test Start: 2011.06.23 @ 13:21:57

GENERAL INFORMATION:

Formation: **Miss**

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

Time Tool Opened: 16:30:27

Time Test Ended: 21:00:27

Test Type: Conventional Bottom Hole

Tester: Jeff Brown

Unit No: 44

Interval: **4664.00 ft (KB) To 4678.00 ft (KB) (TVD)**

Reference Elevations: 2463.00 ft (KB)

Total Depth: 4678.00 ft (KB) (TVD)

2453.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8737

Outside

Press@RunDepth: 25.45 psig @ 4665.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.06.23

End Date:

2011.06.23

Last Calib.: 2011.06.23

Start Time: 13:21:58

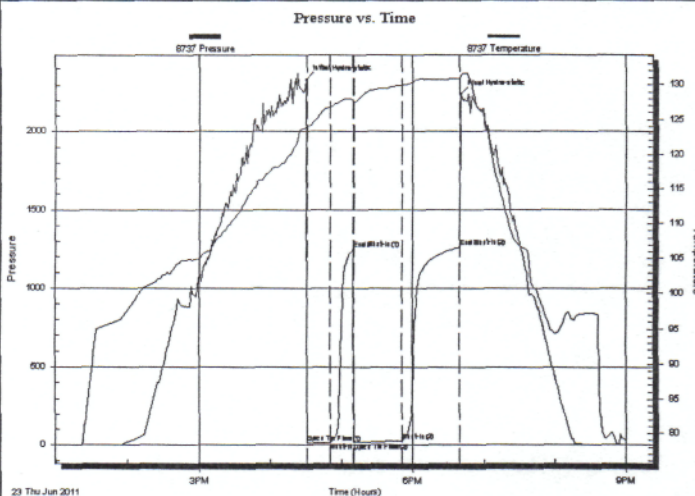
End Time:

21:00:27

Time On Btm: 2011.06.23 @ 16:29:57

Time Off Btm: 2011.06.23 @ 18:40:27

TEST COMMENT: IFF-Weak blow built to 1 3/4 in
ISI-Dead no blow back
FFP-Fair blow built to 4 in
FSI-Dead no blow back



PRESSURE SUMMARY

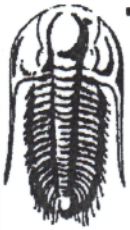
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2332.94	124.06	Initial Hydro-static
1	13.20	123.81	Open To Flow (1)
20	16.45	126.80	Shut-In(1)
40	1248.77	127.88	End Shut-In(1)
41	16.88	127.55	Open To Flow (2)
81	25.45	129.97	Shut-In(2)
130	1264.76	130.92	End Shut-In(2)
131	2240.02	131.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
23.00	HOCWM 50%O5%W45%M	0.32
15.00	MGWO 3%M2%W10%G85%O	0.21

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TESTING, INC.

DRILL STEM TEST REPORT

Mai Oil Operations

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

Dechant #1

3-22-24 Hodgeman, KS

Job Ticket: 43824

DST#: 2

Test Start: 2011.06.24 @ 06:30:44

GENERAL INFORMATION:

Formation: Miss

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:15:44

Time Test Ended: 15:08:44

Test Type: Conventional Bottom Hole

Tester: Jeff Brown

Unit No: 44

Interval: 4664.00 ft (KB) To 4686.00 ft (KB) (TVD)

Total Depth: 4686.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2463.00 ft (KB)

2453.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8321

Inside

Press@RunDepth: 55.19 psig @ 4665.00 ft (KB)

Start Date: 2011.06.24

End Date:

2011.06.24

Start Time: 06:30:45

End Time:

15:08:44

Capacity: 8000.00 psig

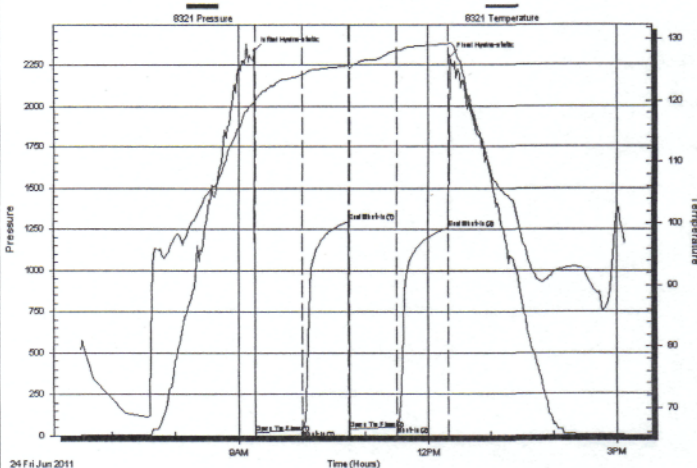
Last Calib.: 2011.06.24

Time On Btm: 2011.06.24 @ 09:15:14

Time Off Btm: 2011.06.24 @ 12:21:14

TEST COMMENT: IFP-Fair blow built to 7 1/4 in
ISI-Dead no blow back
FFP-Fair blow built to 7 3/4 in
FSI-Dead no blow back

Pressure vs. Time



24 Fri Jun 2011

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2334.88	120.08	Initial Hydro-static
1	18.88	119.71	Open To Flow (1)
45	35.78	124.30	Shut-In(1)
90	1296.58	125.75	End Shut-In(1)
90	39.36	125.33	Open To Flow (2)
135	55.19	128.25	Shut-In(2)
185	1260.74	129.27	End Shut-In(2)
186	2302.32	129.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	MCO 45%M55%O	0.88
51.00	Gassy Oil 45%G55%O	0.72

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE
TESTING INC.**

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 43823 15953

Well Name & No. Dechant #1 Test No. 1 Date 6-23-11
Company Mai. Oil Operations Elevation 2463 KB 2453 GL
Address 8411 PRESTON RD STE 800 DALLS TX 75225+5520
Co. Rep / Geo. Steve Murphy Rig Southwind Rig 70
Location: Sec. 3 Twp. 22S Rge. 24W Co. Hodgeman State KS

Interval Tested 4464-4478 Zone Tested MISS
Anchor Length 14 Drill Pipe Run 4471 Mud Wt. 9.2
Top Packer Depth 4459 Drill Collars Run 0 Vis 53
Bottom Packer Depth 4464 Wt. Pipe Run 0 WL 10.4
Total Depth 4478 Chlorides 5400 ppm System LCM TR

Blow Description FFP - Weak Blow Built To 1 3/4 IN

ISI - Dead No Blow Back

FFP - Air Blow Built To 4 IN

ISI - Dead No Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>23</u>	<u>Hochm</u>		<u>50</u>	<u>5</u>	<u>45</u>
<u>15</u>	<u>MGWO</u>	<u>10</u>	<u>85</u>	<u>2</u>	<u>3</u>

Rec Total 38 BHT 131 Gravity 340 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>2333</u>	<u>13</u>	<u>16</u>	<u>1249</u>	<u>17</u>	<u>25</u>	<u>1245</u>	<u>2240</u>

☒ Test 1225
☐ Jars
☐ Safety Joint
☐ Circ Sub
☐ Hourly Standby
☒ Mileage 150 RT 218.40
☐ Sampler
☐ Straddle
☐ Shale Packer
☐ Extra Packer
☐ Extra Recorder
☐ Day Standby
☐ Accessibility

T-On Location 12:40
T-Started 13:21
T-Open 14:30
T-Pulled 18:35
T-Out 21:00
Comments

Initial Open 20
Initial Shut-In 20
Final Flow 40
Final Shut-In 45

Sub Total 1443.40

MP/DST Disc't

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.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

JUN 27 2011

NO. 43824

BY:

Well Name & No. Dechant #1 Test No. 2 Date 10-24-11
Company Mai oil operations Elevation 2423 KB 2453 GL
Address 8411 Preston RD Ste 800 Dallas TX 75225-5520
Co. Rep / Geo. Steve Murphy Rig Southwind 70
Location: Sec. 3 Twp. 22 S Rge. 24 W Co. Hodgeman State KS

Interval Tested 4L64-4L84 Zone Tested MISS
Anchor Length 22 Drill Pipe Run 4L71 Mud Wt. 9.2
Top Packer Depth 4L59 Drill Collars Run 0 Vis 53
Bottom Packer Depth 4L64 Wt. Pipe Run 0 WL 10.4
Total Depth 4L84 Chlorides 5400 ppm System LCM TR

Blow Description FF-Fair Blow Built to 7 1/4 IN
FSI-Dead No Blow Back
FF-Fair Blow Built to 7 3/4 IN
FSI-Dead No Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>63</u>	<u>mco</u>	<u>55</u>	<u>55</u>	<u>45</u>	<u>45</u>
<u>51</u>	<u>Gassy oil</u>	<u>45</u>	<u>55</u>	<u>55</u>	<u>55</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 114 BHT 129 Gravity 37 API RW @ ° F Chlorides ppm

(A) Initial Hydrostatic 2335 ☒ Test 1225 T-On Location 5:28
(B) First Initial Flow 19 ☐ Jars 6:30
(C) First Final Flow 36 ☐ Safety Joint 9:15
(D) Initial Shut-In 1297 ☐ Circ Sub 12:15
(E) Second Initial Flow 39 ☐ Hourly Standby 15:08
(F) Second Final Flow 55 ☒ Mileage REPORT 218.40
(G) Final Shut-In 1261 ☐ Sampler
(H) Final Hydrostatic 2302 ☐ Straddle

Initial Open 45 ☐ Shale Packer
Initial Shut-In 45 ☐ Extra Packer
Final Flow 45 ☐ Extra Recorder
Final Shut-In 45 ☐ Day Standby
☐ Accessibility
Sub Total 1443.40 ☐ Ruined Shale Packer
☐ Ruined Packer
☐ Extra Copies
Sub Total 0
Total 1443.40
MP/DST Disc't

Approved By Our Representative Jeff Brown

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