

TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 44281 16124

Well Name & No. Merlin Worcester #1-11 Test No. 1 Date 8/6/11
 Company Baird Oil Company, LLC Elevation 2197 KB 2192 GL
 Address PO Box 428 Logan KS 67646
 Co. Rep / Geo. Richard Bell Rig WW 8
 Location: Sec. 11 Twp. 7S Rge. 22W Co. Graham State KS

Interval Tested 3397 - 3431 Zone Tested Toronto
 Anchor Length 34 Drill Pipe Run _____ Mud Wt. 9.0
 Top Packer Depth 3392 Drill Collars Run 129 Vis 55
 Bottom Packer Depth 3397 Wt. Pipe Run _____ WL 7.2
 Total Depth 3431 Chlorides 1000 ppm System LCM 1.54
 Blow Description IF - 1/2 in blow
ISI - No blow
FF - No blow

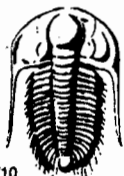
Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Oil spotted mud</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 114 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm
 (A) Initial Hydrostatic 1,694 ☒ Test 1125' T-On Location 3:15
 (B) First Initial Flow 14 ☐ Jars _____ T-Started 3:35
 (C) First Final Flow 23 ☐ Safety Joint _____ T-Open 5:50
 (D) Initial Shut-In 1,023 ☐ Circ Sub _____ T-Pulled 7:05
 (E) Second Initial Flow 26 ☐ Hourly Standby _____ T-Out 8:30
 (F) Second Final Flow _____ ☒ Mileage 28 x 2 1500 ft 218.40
 (G) Final Shut-In _____ ☐ Sampler _____
 (H) Final Hydrostatic 1,628 ☐ Straddle _____

Initial Open 30 ☐ Shale Packer _____ ☐ Ruined Shale Packer _____
 Initial Shut-In 30 ☐ Extra Packer _____ ☐ Ruined Packer _____
 Final Flow 13 ☐ Extra Recorder _____ ☐ Extra Copies _____
 Final Shut-In _____ ☐ Day Standby _____ Sub Total 0
 Sub Total 1343.40 ☐ Accessibility _____ Total 1343.40
 MP/DST Disc't _____

Approved By _____ Our Representative Brian D. Smith

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.



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Test Ticket

NO. 44282

AUG 09 2011

Well Name & No. Martin Worcester #1-11 Test No. 2 Date 8/6/11
 Company Baird Oil Company, LLC Elevation 2197 KB 2192 GL
 Address PO Box 428 Logan KS 67646
 Co. Rep / Geo. Richard Bell Rig WW#8
 Location: Sec. 11 Twp. 7s Rge. 22w Co. Graham State KS

Interval Tested 3458 - 3478 Zone Tested L&C "C"
 Anchor Length 20 Drill Pipe Run _____ Mud Wt. 9.1
 Top Packer Depth 3453 Drill Collars Run 122 Vis 62
 Bottom Packer Depth 3458 Wt. Pipe Run _____ WL 6.8
 Total Depth 3478 Chlorides 1,000 ppm System LCM 2#

Blow Description IF - 6 in blow
ISF - No blow
FF - 4 3/4 in blow
FSI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>MCW</u>			<u>80</u>	<u>20</u>
<u>245</u>	<u>water</u>				

Rec Total 265 BHT 120 Gravity _____ API RW 12 @ 77 °F Chlorides 60000 ppm
 (A) Initial Hydrostatic 1,669 ☒ Test 1125 T-On Location 15:25
 (B) First Initial Flow 13 ☐ Jars _____ T-Started 15:40
 (C) First Final Flow 87 ☐ Safety Joint _____ T-Open 18:43
 (D) Initial Shut-In 882 ☐ Circ Sub _____ T-Pulled 21:48
 (E) Second Initial Flow 90 ☐ Hourly Standby _____ T-Out 00:10
 (F) Second Final Flow 134 ☒ Mileage 78x2 218.40 Comments _____
 (G) Final Shut-In 859 ☐ Sampler _____
 (H) Final Hydrostatic 1,651 ☐ Straddle _____

Initial Open 45 ☐ Shale Packer _____ ☐ Ruined Shale Packer _____
 Initial Shut-In 45 ☐ Extra Packer _____ ☐ Ruined Packer _____
 Final Flow 4550 ☐ Extra Recorder _____ Sub Total 0
 Final Shut-In 45 ☐ Day Standby _____ Total 1343.40
☐ Accessibility _____ MP/DST Disc't _____
 Sub Total 1343.40

Approved By _____ Our Representative Brian D...

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P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 44283

AUG 09 2011

Well Name & No. Martin Worcester #1-11 Test No. 3 Date 8/7/11
Company Baird Oil Company, LLC Elevation 2197 KB 2192 GL
Address PO Box 428 Logan KS 67646
Co. Rep / Geo. Richard Bell Rig WWTB
Location: Sec. 11 Twp. 7s Rge. 22w Co. Graham State KS

Interval Tested 3488 - 3517 Zone Tested KC "E, F"
Anchor Length 29 Drill Pipe Run _____ Mud Wt. 9.1
Top Packer Depth 3483 Drill Collars Run 122 Vis 62
Bottom Packer Depth 3488 Wt. Pipe Run _____ WL 6.8
Total Depth 3517 Chlorides 1,000 ppm System LCM 2nd

Blow Description IF - BOB in 6 1/2 min
ISL - No blow
FF - BOB in 9 min
FSI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>1</u>	<u>Free Oil</u>				
<u>79</u>	<u>Oil spotted MCW</u>			<u>60</u>	<u>40</u>
<u>550</u>	<u>water</u>				

Rec Total 630 BHT 120 Gravity _____ API RW 07 @ 85 °F Chlorides 93000 ppm

(A) Initial Hydrostatic <u>1,704</u>	☒ Test <u>1125</u>	T-On Location <u>8:14</u>
(B) First Initial Flow <u>36</u>	☐ Jars _____	T-Started <u>8:45</u>
(C) First Final Flow <u>195</u>	☐ Safety Joint _____	T-Open <u>11:36</u>
(D) Initial Shut-In <u>924</u>	☐ Circ Sub _____	T-Pulled <u>13:36</u>
(E) Second Initial Flow <u>202</u>	☐ Hourly Standby _____	T-Out <u>15:30</u>
(F) Second Final Flow <u>311</u>	☒ Mileage <u>28x2 218.40</u>	Comments _____
(G) Final Shut-In <u>905</u>	☐ Sampler _____	
(H) Final Hydrostatic <u>1,678</u>	☐ Straddle _____	☐ Ruined Shale Packer _____

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

☐ Shale Packer _____
☐ Extra Packer _____
☐ Extra Recorder _____
☐ Day Standby _____
☐ Accessibility _____

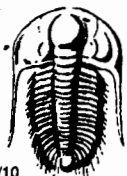
☐ Ruined Packer _____
☐ Extra Copies _____

Sub Total 8
Total 1343.40
MP/DST Disc't _____

Sub Total 1343.40

Approved By _____ Our Representative Bruce J. Smith

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Test Ticket

NO. 44284

AUG 09 2011

Well Name & No. Merlin Worcester #1-11 Test No. 14 Date 8/8/11
 Company Baird Oil Company, LLC Elevation 2197 KB 2192 GL
 Address PO Box 428 Logan KS 67646
 Co. Rep / Geo. Richard Bell Rig WW #8
 Location: Sec. 11 Twp. 2s Rge. 22w Co. Graham State KS

Interval Tested 3570-3600 Zone Tested KC^u I, J''
 Anchor Length 30 Drill Pipe Run _____ Mud Wt. 9.1
 Top Packer Depth 3565 Drill Collars Run 122 Vis 62
 Bottom Packer Depth 3570 Wt. Pipe Run _____ WL 6.8
 Total Depth 3600 Chlorides 1,000 ppm System LCM 2nd
 Blow Description IF - very weak surface blow died in 10 min
ISI - No blow
FF -
FSI -

Rec	Feet of	%gas	%oil	%water	%mud
<u>i</u>	<u>Mad</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 1 BHT 112 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1,810</u>	☒ Test <u>1125</u>	T-On Location <u>00:40</u>
(B) First Initial Flow <u>15</u>	☐ Jars _____	T-Started <u>1:15</u>
(C) First Final Flow <u>17</u>	☐ Safety Joint _____	T-Open <u>3:01</u>
(D) Initial Shut-In <u>20</u>	☐ Circ Sub _____	T-Pulled <u>4:01</u>
(E) Second Initial Flow _____	☐ Hourly Standby _____	T-Out <u>5:40</u>
(F) Second Final Flow _____	☒ Mileage <u>78x2 218.40</u>	Comments _____
(G) Final Shut-In _____	☐ Sampler _____	
(H) Final Hydrostatic <u>1,696</u>	☐ Straddle _____	☐ Ruined Shale Packer _____

Initial Open <u>30</u>	☐ Shale Packer _____	☐ Ruined Packer _____
Initial Shut-In <u>30</u>	☐ Extra Packer _____	☐ Extra Copies _____
Final Flow _____	☐ Extra Recorder _____	Sub Total <u>8</u>
Final Shut-In _____	☐ Day Standby _____	Total <u>1343.40</u>
	☐ Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1343.40</u>	

Approved By _____ Our Representative Burt D...

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601 AUG 09 2011

Test Ticket

NO. 44285

Well Name & No. Merlin Worcester #1-11 Test No. 5 Date 8/8/11
 Company Baird Oil Company, LLC Elevation 2197 KB 2192 GL
 Address PO Box 428 Logan KS 67646
 Co. Rep / Geo. Richard Bell Rig WW #8
 Location: Sec. 11 Twp. 25 Rge. 22 W Co. Graham State KS

Interval Tested 3673-3702 Zone Tested Penn Sand
 Anchor Length 29 Drill Pipe Run _____ Mud Wt. 9.2
 Top Packer Depth 3668 Drill Collars Run 122 Vis 59
 Bottom Packer Depth 3673 Wt. Pipe Run _____ WL 6.8
 Total Depth 3702 Chlorides 1,600 ppm System LCM 1#

Blow Description IF-2in blow in 5min died back to 1/2in
ISF-No blow
FF-BOB in 39min
FSF-No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>375</u>	<u>water</u>				
<u>60</u>	<u>MCM</u>			<u>70</u>	<u>30</u>
<u>25</u>	<u>oil spotted wcm</u>			<u>25</u>	<u>75</u>
____	Feet of _____	%gas	%oil	%water	%mud
____	Feet of _____	%gas	%oil	%water	%mud

Rec Total 460 BHT 126 Gravity _____ API RW .13 @ 65 °F Chlorides 68,000 ppm
 (A) Initial Hydrostatic 1,874 ☒ Test 1125 T-On Location 15:55
 (B) First Initial Flow 20 ☐ Jars _____ T-Started 16:
 (C) First Final Flow 98 ☐ Safety Joint _____ T-Open 18:20
 (D) Initial Shut-In 1,143 ☐ Circ Sub _____ T-Pulled 21:35
 (E) Second Initial Flow 102 ☐ Hourly Standby _____ T-Out 00:10
 (F) Second Final Flow 229 ☒ Mileage 28x2 218.40 Comments _____
 (G) Final Shut-In 1,129 ☐ Sampler _____
 (H) Final Hydrostatic 1,755 ☐ Straddle _____

Initial Open 30 ☐ Shale Packer _____ ☐ Ruined Shale Packer _____
 Initial Shut-In 30 ☐ Extra Packer _____ ☐ Ruined Packer _____
 Final Flow 90 ☐ Extra Recorder _____ ☐ Extra Copies _____
 Final Shut-In 45 ☐ Day Standby _____ Sub Total 1343.40
 Sub Total 1343.40 ☐ Accessibility _____ Total 1343.40
 MP/DST Disc't _____

Approved By _____ Our Representative Burt D...

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