

TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED Test Ticket

NOV 14 2011

No. 43731 16603

Well Name & No. Miller #1-5 Test No. 1 Date 11-4-11
 Company Crawford Oil & Gas Co. LLC Elevation 2346 KB 2341 GL
 Address PO Box 1366 El Dorado, KS 67042
 Co. Rep / Geo. Larry Friend Rig WW #6
 Location: Sec. 5 Twp. 3s Rge. 23w Co. Norton State KS

Interval Tested 3428-3450 Zone Tested LKC "D"
 Anchor Length 22' Drill Pipe Run 3300 Mud Wt. 9.0
 Top Packer Depth 3424 Drill Collars Run 121' Vis 65
 Bottom Packer Depth 3428 Wt. Pipe Run Ø WL 6.2
 Total Depth 3450 Chlorides 500 ppm System LCM 2#

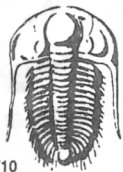
Blow Description IF- Surface blow built to 2 3/4"
IS- No Return
FF- Surface blow started @ 5 min. Built to 1 1/4"
FS- No Return

Rec <u>10</u>	Feet of <u>1000 free oil</u>	%gas <u>100</u>	%oil	%water	%mud
Rec <u>30</u>	Feet of <u>10000 mud</u>	%gas	%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 40 BHT 31 Gravity — API RW — @ — °F Chlorides — ppm
 (A) Initial Hydrostatic 1658 ☒ Test 1125 T-On Location 9:10 PM
 (B) First Initial Flow 16 ☐ Jars T-Started 11:22 PM
 (C) First Final Flow 26 ☒ Safety Joint 75 T-Open 1:01 AM
 (D) Initial Shut-In 322 ☒ Circ Sub N/C T-Pulled 4:01 AM
 (E) Second Initial Flow 33 ☐ Hourly Standby T-Out 5:20 AM
 (F) Second Final Flow 40 ☒ Mileage 74 RT X2 148 Comments Hole problems
 (G) Final Shut-In 721 ☐ Sampler 207.20 had to come
 (H) Final Hydrostatic 1642 ☐ Straddle back to test later
☐ Shale Packer key hole plugging bit
☐ Ruined Shale Packer
☐ Ruined Packer

Initial Open 30 ☐ Extra Packer
 Initial Shut-In 45 ☐ Extra Recorder
 Final Flow 45 ☐ Day Standby
 Final Shut-In 60 ☐ Accessibility
 Sub Total 1407.20

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.



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RECEIVED
NOV 14 2011
BY: _____

Test Ticket

NO. 43732

Well Name & No. Miller #1-5 Test No. 2 Date 11-6-11
 Company Crawford Oil & Gas Co. LLC. Elevation 2346 KB 2341 GL
 Address PO Box 1366 El Dorado, KS 67042
 Co. Rep / Geo. Larry Friend Rig WW #6
 Location: Sec. 5 Twp. 3s Rge. 23w Co. Norton State KS

Interval Tested 3577-3623 Zone Tested Regan Sand
 Anchor Length 46' Drill Pipe Run 3460 Mud Wt. 9.0
 Top Packer Depth 3573 Drill Collars Run 121 Vis 57
 Bottom Packer Depth 3577 Wt. Pipe Run Ø WL 6.4
 Total Depth 3623 Chlorides 900 ppm System LCM 2#
 Blow Description IF- 1/4" Blow built to 5"
IS- NO Return
FF- Surface Blow Started @ 3 min. Built to 6"
FS- NO Return

Rec <u>15</u>	Feet of <u>Free Oil</u>	%gas <u>100</u>	%oil	%water	%mud
Rec <u>35</u>	Feet of <u>MCO</u>	%gas <u>70</u>	%oil	%water <u>30</u>	%mud
Rec <u>60</u>	Feet of <u>OCM</u>	%gas <u>40</u>	%oil	%water <u>60</u>	%mud
Rec <u>60</u>	Feet of <u>OCWM</u>	%gas <u>10</u>	%oil <u>40</u>	%water <u>50</u>	%mud
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____

Rec Total 170 BHT 88 Gravity _____ API RW .27 @ 74 °F Chlorides 28,000 ppm
 (A) Initial Hydrostatic 1776 ☒ Test 1125 T-On Location 1:35 AM
 (B) First Initial Flow 21 ☐ Jars _____ T-Started 2:04 AM
 (C) First Final Flow 61 ☒ Safety Joint 75 T-Open 3:56 AM
 (D) Initial Shut-In 658 ☒ Circ Sub NIC T-Pulled 6:56 AM
 (E) Second Initial Flow 71 ☐ Hourly Standby _____ T-Out 9:02 AM
 (F) Second Final Flow 91 ☒ Mileage 103.60 74RT Comments Daylight's savings
 (G) Final Shut-In 640 ☐ Sampler _____ actually pulled pipe @
 (H) Final Hydrostatic 1762 ☐ Straddle _____ 5:56 AM / OK @ 8:02 AM

☐ Ruined Shale Packer _____
☐ Ruined Packer _____
☐ Extra Packer _____
☐ Extra Recorder _____
☐ Day Standby _____
☐ Accessibility _____
 Sub Total 1303.60
 Initial Open 30
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 60
 Sub Total 1303.60
 Total 1303.60
 MP/DST Disc't _____

Approved By _____

Our Representative _____

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