

TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED

JUN 17 2010

Test Ticket

NO. 37636 14388

10/08

BY: _____

Well Name & No. Knapp #2-31 Test No. 1 Date 6-10-10
 Company Lario Oil & Gas Elevation 2930 KB 2921 GL
 Address 301 S. Market Wichita KS 67202
 Co. Rep / Geo. Curt's Covey Rig Duke 4
 Location: Sec. 31 Twp. 13 Rge. 31 Co. Cove State KS

Interval Tested 4019 4040 Zone Tested D
 Anchor Length 21 Drill Pipe Run 4019 Mud Wt. 9.1
 Top Packer Depth 4014 Drill Collars Run 0 Vis 58
 Bottom Packer Depth 4019 Wt. Pipe Run 0 WL 8.8
 Total Depth 4040 Chlorides 1900 ppm System LCM 1#
 Blow Description IF-weak building blow 4" in bucket
IST- No blow back
FF- weak surface blow
FST- No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>140</u>		<u>Trace</u>		<u>100</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 _____ BHT 118 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1933 Test 1225 T-On Location 1100 Am
 (B) First Initial Flow 34 Jars 250 T-Started 1230 Am
 (C) First Final Flow 58 Safety Joint 75 T-Open 330 Am
 (D) Initial Shut-In 856 Circ Sub _____ T-Pulled 630 Am
 (E) Second Initial Flow 68 Hourly Standby _____ T-Out 900 Am
 (F) Second Final Flow 102 Mileage 61 RT 80⁰⁰ Comments lost by
during shutin a
small amount.
 (G) Final Shut-In 1444 Sampler _____
 (H) Final Hydrostatic 1899 Straddle _____

Shale Packer _____ Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____
 Day Standby _____ Sub Total _____
 Accessibility _____ Total 1630⁰⁰
 Sub Total 1630⁰⁰

Initial Open 30
 Initial Shut-In 60
 Final Flow 30
 Final Shut-In 60

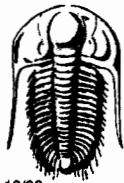
Approved By

Curt's Covey

Our Representative

Barley

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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P.O. Box 1733 • Hays, Kansas 67601

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Test Ticket

NO. 37637

Well Name & No. Knapp #2-31 BY: _____ Test No. 2 Date 6-6-10
 Company Lario Oil & Gas Elevation 2930 KB 2921 GL
 Address 301 S Market Wichita Ks 67202
 Co. Rep / Geo. Curtis Covey Rig Duke 4
 Location: Sec. 31 Twp. 13 Rge. 31 Co. Cove State KS

Interval Tested 4090-4128 Zone Tested _____
 Anchor Length 38 Drill Pipe Run 4082 Mud Wt. 9.3
 Top Packer Depth 4085 Drill Collars Run 0 Vis 58
 Bottom Packer Depth 4090 Wt. Pipe Run 0 WL 8.0
 Total Depth 4128 Chlorides 3200 ppm System LCM 1#

Blow Description IF - Strong blow BOB, ASAO, No. GTS
IST - weak surface blow.
FF - Strong building blow BOB 5 min NoGTS
FSI No blow lock

Rec	Feet of	%gas	%oil	%water	%mud
<u>800</u>	<u>GC0</u>	<u>5</u>	<u>95</u>	<u>Trace</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

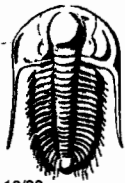
Rec Total _____ BHT 123 Gravity 42.0 API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1571 Test 1225 T-On Location 9:30 PM
 (B) First Initial Flow 121 Jars 250 T-Started 10:00 PM
 (C) First Final Flow 161 Safety Joint 75 T-Open 12:00 AM
 (D) Initial Shut-In 1125 Circ Sub _____ T-Pulled 3:00 AM
 (E) Second Initial Flow 179 Hourly Standby _____ T-Out _____
 (F) Second Final Flow 296 Mileage 64 RT 88.00 Comments _____
 (G) Final Shut-In 1118 Sampler _____
 (H) Final Hydrostatic 1904 Straddle _____

Initial Open 15 Shale Packer _____ Ruined Shale Packer _____
 Initial Shut-In 30 Extra Packer _____ Ruined Packer _____
 Final Flow 60 Extra Recorder _____ Extra Copies _____
 Final Shut-In 90 Day Standby _____ Sub Total 8
 Accessibility _____ Total 1630.00

Approved By [Signature] Our Representative [Signature]

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RECEIVED JUN 17 2010

Test Ticket

No. 37638

Well Name & No. Knapp #2-31 BY: _____ Test No. 3 Date 6-7-10
 Company Lario O. & Gas Elevation 2930 KB 2921 GL
 Address 301 S Wichita KS 67202
 Co. Rep / Geo. Curtis Covey Rig Duke 4
 Location: Sec. 31 Twp. 13 Rge. 31 Co. Esse State KS

Interval Tested 4130 4163 Zone Tested I
 Anchor Length 33 Drill Pipe Run 4117 Mud Wt. 9.1
 Top Packer Depth 4125 Drill Collars Run 0 Vis 54
 Bottom Packer Depth 4130 Wt. Pipe Run 0 WL 8.8
 Total Depth 4163 Chlorides 4900 ppm System LCM .5#
 Blow Description IF - Strong building blow 7min BOB.
ISI - No blow back
FF - Strong building blow 8min BOB
FST - weak surface blow.

Rec	Feet of	%gas	%oil	%water	%mud
<u>750</u>	<u>6+OCW</u>	<u>5</u>	<u>5</u>	<u>90</u>	<u>Trace</u>
<u>500'</u>	<u>GIP</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

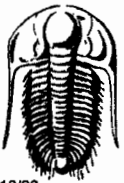
Rec Total 750 (FWID) BHT 122 Gravity API RW .25 @ 80 ° F Chlorides 25000 ppm

(A) Initial Hydrostatic <u>1971</u>	<input type="checkbox"/> Test <u>1225</u>	T-On Location <u>4:30 PM</u>
(B) First Initial Flow <u>76</u>	<input type="checkbox"/> Jars <u>250</u>	T-Started <u>5:00 PM</u>
(C) First Final Flow <u>113</u>	<input type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>6:00 PM</u>
(D) Initial Shut-In <u>578</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>9:15 PM</u>
(E) Second Initial Flow <u>137</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>11:30 PM</u>
(F) Second Final Flow <u>286</u>	<input type="checkbox"/> Mileage <u>41 RT 8 B</u>	Comments _____
(G) Final Shut-In <u>586</u>	<input type="checkbox"/> Sampler _____	_____
(H) Final Hydrostatic <u>1947</u>	<input type="checkbox"/> Straddle _____	_____
Initial Open <u>15</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Ruined Packer _____
Final Flow <u>60</u>	<input type="checkbox"/> Extra Recorder _____	<input type="checkbox"/> Extra Copies _____
Final Shut-In <u>90</u>	<input type="checkbox"/> Day Standby _____	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility _____	Total <u>1630.00</u>

Approved By _____

Our Representative Shirley Davidson

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RECEIVED
JUN 17 2010

Test Ticket

No. 37639

10/08

BY: _____

Well Name & No. Knapp #2-31 Test No. 4 Date 6-8-10
 Company Lario Oil + Gas Elevation 2930 KB 2921 GL
 Address 305. Market Wichita KS 67202
 Co. Rep / Geo. Carl's Covey Rig Duke 4
 Location: Sec. 31 Twp. 13 Rge. 31 Co. Gove State KS

Interval Tested 4163 - 4186 Zone Tested "J"
 Anchor Length 23 Drill Pipe Run 4150 Mud Wt. 9.1
 Top Packer Depth 4158 Drill Collars Run 0 Vis 50
 Bottom Packer Depth 4163 Wt. Pipe Run 0 WL 9.6
 Total Depth 4186 Chlorides 4500 ppm System LCM 1
 Blow Description IF - Good building blow BOB 6min
IST - No blow back
FF - Good building blow BOB 11min
FSI - Weak surface blow

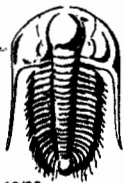
Rec	Feet of	%gas	%oil	%water	%mud
<u>120</u>		<u>40</u>	<u>60</u>		
<u>330</u>		<u>5</u>	<u>5</u>	<u>60</u>	<u>30</u>
<u>500</u>	<u>GIP</u>				

Rec Total 450 Fluid BHT 123 Gravity 43⁰ API @ _____ °F Chlorides To dirty ppm
 (A) Initial Hydrostatic 1984 Test 1225 T-On Location 9:30 AM
 (B) First Initial Flow 71 Jars 250 T-Started 10:15 AM
 (C) First Final Flow 106 Safety Joint 75 T-Open 12:00 PM
 (D) Initial Shut-In 935 Circ Sub _____ T-Pulled 3:15 PM
 (E) Second Initial Flow 117 Hourly Standby _____ T-Out 5:15 PM
 (F) Second Final Flow 239 Mileage WHT 80 Comments _____
 (G) Final Shut-In 847 Sampler _____
 (H) Final Hydrostatic 2042 Straddle _____
 Shale Packer _____ Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____
 Initial Open 15 Day Standby _____ Sub Total 0
 Initial Shut-In 30 Accessibility _____ Total 1630
 Final Flow 60
 Final Shut-In 90
 Sub Total 1630

Approved By _____

Our Representative Harley Dill

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RECEIVED JUN 17 2010

Test Ticket

NO. 37640

Well Name & No. Knapp #2-31 BY: _____ Test No. 5 Date 6-9-10
 Company Lario Oil & Gas Elevation 2930 KB 2921 GL _____
 Address 301 S. Market Wichita Ks 67202
 Co. Rep / Geo. Curtis Corey Rig Duke 4
 Location: Sec. 31 Twp. 13 Rge. 31 Co. 600E State Ks

Interval Tested 4415 4438 Zone Tested Pawnee Ft. Scott
 Anchor Length 23 Drill Pipe Run 4397 Mud Wt. 9.1
 Top Packer Depth 4410 Drill Collars Run 0 Vis 59
 Bottom Packer Depth 4415 Wt. Pipe Run 0 WL 7.2
 Total Depth 4438 Chlorides 4100 ppm System LCM 1
 Blow Description IF - weak blow 1" into bucket.
ISI - No blow back
FF - No blow
FSI - No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>20</u>		<u>10</u>		<u>90</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>20</u>	Feet of	%gas	%oil	%water	%mud

Rec Total 20 BHT 121 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2380</u>	<input type="checkbox"/> Test <u>1225</u>	T-On Location <u>9:45 PM</u>
(B) First Initial Flow <u>40</u>	<input type="checkbox"/> Jars <u>250</u>	T-Started <u>11:45 PM</u>
(C) First Final Flow <u>40</u>	<input type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1:15 AM</u>
(D) Initial Shut-In <u>1119</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>4:15 AM</u>
(E) Second Initial Flow <u>47</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>6:15 AM</u>
(F) Second Final Flow <u>46</u>	<input type="checkbox"/> Mileage <u>83</u>	Comments _____
(G) Final Shut-In <u>1100</u>	<input type="checkbox"/> Sampler _____	_____
(H) Final Hydrostatic <u>2147</u>	<input type="checkbox"/> Straddle _____	_____
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Ruined Packer _____
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder _____	<input type="checkbox"/> Extra Copies _____
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby _____	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility _____	Total <u>11030</u>

Approved By Curtis Corey Our Representative Harley Olin
 Sub Total 11030

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BY: _____

Test Ticket

NO. 37641

Well Name & No. Knapp #2-31 Test No. 6 Date 6-10-10
 Company Laird Oil & Gas Elevation 2930 KB 2921 GL
 Address 301 S. Market Wichita KS 67202
 Co. Rep / Geo. Cot's Covey Rig Duke 4
 Location: Sec. 31 Twp. 13 Rge. 31 Co. GOVE State KS

Interval Tested 4466-4490 Zone Tested Lower Cherokee
 Anchor Length 24 Drill Pipe Run 4492 Mud Wt. 9.2
 Top Packer Depth 4461 Drill Collars Run 0 Vis 54
 Bottom Packer Depth 4466 Wt. Pipe Run 0 WL 8.2
 Total Depth 4490 Chlorides 4500 ppm System LCM 2
 Blow Description IF - weak surface blow
ISI - no blow back
FF - no blow
FSI - no blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</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	Feet of	%gas	%oil	%water	%mud

Rec Total 10' fluid BHT 121 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2149</u>	<input type="checkbox"/> Test <u>1225</u>	T-On Location <u>4:30 PM</u>
(B) First Initial Flow <u>37</u>	<input type="checkbox"/> Jars <u>250</u>	T-Started <u>5:30 PM</u>
(C) First Final Flow <u>34</u>	<input type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>7:00 PM</u>
(D) Initial Shut-In <u>276</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>10:00 PM</u>
(E) Second Initial Flow <u>36</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>12:00 AM</u>
(F) Second Final Flow <u>34</u>	<input type="checkbox"/> Mileage <u>HRT 83</u>	Comments _____
(G) Final Shut-In <u>52</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>2169</u>	<input type="checkbox"/> Straddle _____	
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Shale Packer <u>280</u>
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Ruined Packer _____
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder _____	<input type="checkbox"/> Extra Copies _____
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby _____	Sub Total <u>280</u>
	<input type="checkbox"/> Accessibility _____	Total <u>1910</u>
	Sub Total <u>1630</u>	

Approved By [Signature] Our Representative [Signature]

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
JUN 15 2010

Test Ticket

NO. 37871

Well Name & No. KNAPP 2-31 BT. BT. Test No. 7 Date 6-11-10
 Company LARIO OIL & GAS Elevation 2835 KB 2825 GL
 Address 301 S. Market Wichita, KS 67202
 Co. Rep / Geo. Covey Rig Duke 4
 Location: Sec. 31 Twp. 13 Rge. 31 Co. Gove State KS

Interval Tested 4519 4538 Zone Tested JOHNSON
 Anchor Length 19 Drill Pipe Run 4527 Mud Wt. 9.1
 Top Packer Depth 4514 Drill Collars Run - Vis 65
 Bottom Packer Depth 4519 Wt. Pipe Run - WL 6.4
 Total Depth 4538 Chlorides 3400 ppm System LCM 2

Blow Description IF: BoB in 2 min.
IS: 1/4 blow built to 7 in 30 min.
FF: BoB in 9 min.
FS: surface blow BoB in 25 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>310</u>	<u>90</u>	<u>30</u>	<u>70</u>		
<u>341</u>	<u>90</u>	<u>20</u>	<u>80</u>		
<u>31</u>	<u>90cm</u>	<u>10</u>	<u>5</u>		<u>85</u>
<u>0</u>	<u>GIP 992</u>				

Rec Total 682 BHT 128 Gravity 27° API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic 2254 Test 1225.00 T-On Location 9:20
 (B) First Initial Flow 40 Jars _____ T-Started 10:12
 (C) First Final Flow 75 Safety Joint _____ T-Open 12:10
 (D) Initial Shut-In 368 Circ Sub N/L T-Pulled 15:25
 (E) Second Initial Flow 71 Hourly Standby _____ T-Out 18:00
 (F) Second Final Flow 201 Mileage 64-80.00 Comments _____
 (G) Final Shut-In 377 Sampler _____
 (H) Final Hydrostatic 2163 Straddle _____
 Shale Packer _____ Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____
 Initial Open 15 Day Standby _____
 Initial Shut-In 30 Accessibility _____
 Final Flow 60 Sub Total 8
 Final Shut-In 90 Total 1302

Approved By [Signature] Our Representative [Signature] BT
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RECEIVED
JUN 15 2010

Test Ticket

NO. 37872

10/08

BY: _____

Well Name & No. Knapp 2-31 Test No. 8 Date 6-12-10
 Company Lario oil & Gas Elevation 2835 KB 2825 GL
 Address 301 S. Market Wichita, KS 67202
 Co. Rep / Geo. Covey Rig Duke 4
 Location: Sec. 31 Twp. 13 Rge. 31 Co. Gove State KS

Interval Tested 4560 4596 Zone Tested Marrow Sand
 Anchor Length 36 Drill Pipe Run 4555 Mud Wt. 9.1
 Top Packer Depth 4555 Drill Collars Run — Vis 65
 Bottom Packer Depth 4560 Wt. Pipe Run — WL 6.4
 Total Depth 4596 Chlorides 3400 ppm System LCM 2

Blow Description IF: 1/4 blow died in 6 min.
IS: No return.
FF: No blow.
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 10 BHT 121 Gravity — API RW — @ — ° F Chlorides — ppm

(A) Initial Hydrostatic 2307 Test 1225.00 T-On Location 2:25
 (B) First Initial Flow 29 Jars _____ T-Started 2:50
 (C) First Final Flow 25 Safety Joint _____ T-Open 4:18
 (D) Initial Shut-In 479 Circ Sub NIL T-Pulled 7:18
 (E) Second Initial Flow 27 Hourly Standby _____ T-Out 9:45
 (F) Second Final Flow 25 Mileage 64-80.00 Comments _____
 (G) Final Shut-In 136 Sampler _____
 (H) Final Hydrostatic 2209 Straddle _____
 Shale Packer _____ Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____
 Day Standby _____ Sub Total 0
 Accessibility _____ Total 1305-

Initial Open 30
 Initial Shut-In 60
 Final Flow 30
 Final Shut-In 60
 Sub Total 1305-
 Approved By Covey Our Representative [Signature] BT

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