

**TRILOBITE
TESTING INC.**

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 062680 15966

Well Name & No. Knapp A 1-32 Test No. 1 Date 10/13/11
Company Larso Oil & Gas Company Elevation 2950 KB 2940 GL
Address 301 S Market St Wichita KS 67202-3805
Co. Rep / Geo. Larry Friend Rig Martin 22
Location: Sec. 32 Twp. 12 Rge. 31 Co. Carroll State KS

Interval Tested 4007-4061 Zone Tested Lansing B/C
Anchor Length 54 Drill Pipe Run 4006 Mud Wt. 8.9
Top Packer Depth 4002 Drill Collars Run 120 Vis 4/6
Bottom Packer Depth 4007 Wt. Pipe Run 0 WL 7.2
Total Depth 4061 Chlorides 1,800 ppm System LCM 2

Blow Description Built to 1/2" Blow
No Return Block
No Blow
No Return Block

Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>OSW</u>		<u>30</u>	<u>70</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 15 BHT 118 Gravity — API RW 1.2 @ 61 °F Chlorides 8000 ppm

(A) Initial Hydrostatic 2,020
(B) First Initial Flow 15
(C) First Final Flow 21
(D) Initial Shut-In 1,185
(E) Second Initial Flow 22
(F) Second Final Flow 27
(G) Final Shut-In 1,139
(H) Final Hydrostatic 1,985

☒ Test 1225
☐ Jars 250
☒ Safety Joint 75
☒ Circ Sub NIC
☐ Hourly Standby
☒ Mileage 76 RT 100.40
☐ Sampler
☐ Straddle
☐ Shale Packer
☐ Extra Packer
☐ Extra Recorder
☐ Day Standby
☒ Accessibility

T-On Location #23:45
T-Started 00:03
T-Open 2:04
T-Pulled 4:34
T-Out 6:37
Comments Piece of metal
welded to end of
catawalk 2' out
☐ Ruined Shale Packer
☒ Ruined Packer 260
☐ Extra Copies
Sub Total 260
Total 1816.40 1666.40
MP/DST Disc't

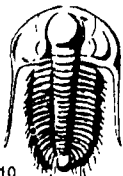
Initial Open 30
Initial Shut-In 45
Final Flow 30
Final Shut-In 45

Sub Total 1650.40 1406.40

Approved By Larry Friend

Our Representative [Signature]

TriLOBITE TESTING INC. shall not be liable for damaged or 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. 042861

4/10

Well Name & No. <u>Knapp A 1-32</u>	Test No. <u>2</u>	Date <u>6/14/11</u>
Company <u>Lund Oil & Gas Company</u>	Elevation <u>2950</u>	KB <u>2940</u> GL
Address <u>301 S Market ST Wichita KS 67202-3805</u>		
Co. Rep / Geo. <u>Larry Friend</u>	Rig <u>Murphy 22</u>	
Location: Sec. <u>32</u> Twp. <u>12</u> Rge. <u>31W</u> Co. <u>Gove</u> State <u>KS</u>		

Interval Tested <u>4058-4096</u>	Zone Tested <u>Kansas City "D"</u>
Anchor Length <u>38</u>	Drill Pipe Run <u>3986</u> Mud Wt. <u>9.2</u>
Top Packer Depth <u>4053</u>	Drill Collars Run <u>120</u> Vis <u>51</u>
Bottom Packer Depth <u>4058</u>	Wt. Pipe Run <u>0</u> WL <u>7.2</u>
Total Depth <u>4096</u>	Chlorides <u>2,200</u> ppm System LCM <u>2</u>
Blow Description <u>Built to 3/4" Blow</u>	
<u>No Return Blow</u>	
<u>Weak Surface Blow</u>	
<u>Weak Surface Return Blow</u>	

Rec <u>60</u>	Feet of <u>0.5000 m</u>	%gas	%oil	<u>30%</u> water	<u>70%</u> mud
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 <u>60</u>	BHT <u>116</u>	Gravity	API RW <u>70</u> @ <u>66</u> °F	Chlorides <u>9500</u> ppm
(A) Initial Hydrostatic <u>1942</u>	☒ Test <u>1225</u>	T-On Location <u>15:15</u>		
(B) First Initial Flow <u>15</u>	☐ Jars <u>255</u>	T-Started <u>16:05</u>		
(C) First Final Flow <u>29</u>	☒ Safety Joint <u>75</u>	T-Open <u>17:46</u>		
(D) Initial Shut-In <u>1,142</u>	☒ Circ Sub <u>NIC</u>	T-Pulled <u>20:45</u>		
(E) Second Initial Flow <u>30</u>	☐ Hourly Standby	T-Out <u>22:38</u>		
(F) Second Final Flow <u>42</u>	☒ Mileage <u>76 RT 106.40</u>	Comments		
(G) Final Shut-In <u>1,100</u>	☐ Sampler			
(H) Final Hydrostatic <u>1,928</u>	☐ Straddle			

Initial Open <u>30</u>	☐ Shale Packer	☐ Ruined Shale Packer
Initial Shut-In <u>45</u>	☐ Extra Packer	☐ Ruined Packer
Final Flow <u>45</u>	☐ Extra Recorder	☐ Extra Copies
Final Shut-In <u>60</u>	☐ Day Standby	Sub Total <u>8</u>
	☒ Accessibility	Total <u>1156.40 140.40</u>
	Sub Total <u>1156.40 140.40</u>	MP/DST Disc't

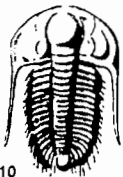
Approved By

Larry Friend

Our Representative

[Signature]

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**TRILOBITE
TESTING INC.**

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 042681

4/10

Well Name & No. Knapp "A" 1-32 Test No. 3 Date 6/15/11
 Company Larry Oil & Gas Company Elevation 2950 KB 2940 GL
 Address 301 S Market St Wichita KS 67202-3805
 Co. Rep / Geo. Larry Friend Rig Martin 22
 Location: Sec. 34 Twp. 12 Rge. 31 Co. Boone State KS

Interval Tested 4122-4184 Zone Tested _____
 Anchor Length 62 Drill Pipe Run 4074 Mud Wt. 9.2
 Top Packer Depth 4118 Drill Collars Run 120 Vis 53
 Bottom Packer Depth 4122 Wt. Pipe Run 0 WL 7.6
 Total Depth 4184 Chlorides 2,500 ppm System LCM 2

Blow Description Built to 1/2" Blow
Weak Surface Return Blow
No Blow
No Return Blow

Rec <u>30</u>	Feet of <u>0 scum WM</u>	%gas	%oil	<u>30%</u> water	<u>70%</u> mud
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

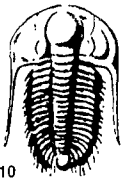
Rec Total 30 BHT _____ Gravity _____ API RW 80 @ 83 °F Chlorides 7000 ppm

(A) Initial Hydrostatic 2,024 ☒ Test 1225 T-On Location 10:05
 (B) First Initial Flow 16 ☐ Jars _____ T-Started 11:05
 (C) First Final Flow 1,043 27 ☒ Safety Joint 75 T-Open 12:45
 (D) Initial Shut-In 72 1,043 ☒ Circ Sub N/C T-Pulled 15:45
 (E) Second Initial Flow 38 71 ☐ Hourly Standby _____ T-Out 17:41
 (F) Second Final Flow 1,151, 045 38 ☒ Mileage 76 RT 100.40 Comments _____
 (G) Final Shut-In 1,015 ☐ Sampler _____
 (H) Final Hydrostatic 1,940 ☐ Straddle _____

☐ Ruined Shale Packer _____
☐ Ruined Packer _____
☐ Extra Copies _____
 Initial Open 30 ☐ Extra Packer _____
 Initial Shut-In 45 ☐ Extra Recorder _____
 Final Flow 45 ☐ Day Standby _____
 Final Shut-In 60 ☒ Accessibility 150 Sub Total 1406.40
 Sub Total _____

Approved By Larry Friend Our Representative [Signature]

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P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 042663

4/10

Well Name & No. Krapp "A" 1-32 Test No. 4 Date 5/16/11
Company Lario Oil & Gas Company Elevation 2950 KB 2940 GL
Address 301 S Market ST Wichita KS 67202-3805
Co. Rep / Geo. Larry Freund Rig Martin 22
Location: Sec. 34 Twp. 12 Rge. 31 Co. Gove State KS

Interval Tested 4181-4208 Zone Tested Kansas City IS
Anchor Length 27 Drill Pipe Run 4072 Mud Wt. 9.2
Top Packer Depth 4176 Drill Collars Run 120 Vis 53
Bottom Packer Depth 4181 Wt. Pipe Run 0 WL 6
Total Depth 4208 Chlorides 2,500 ppm System LCM 2

Blow Description Built to 4" Blow
Weak Surface Return Blow
Built to 4" Blow
Weak Surface Return Blow

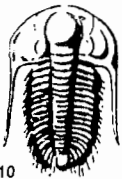
Rec	Feet of	%gas	%oil	%water	%mud
<u>122</u>	<u>mcw</u>		<u>7.5</u>	<u>25</u>	
<u>600</u>	<u>mcw</u>		<u>60</u>	<u>40</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 182 BHT 122 Gravity — API RW 13 @ 65 °F Chlorides 60000 ppm

(A) Initial Hydrostatic <u>2,079</u>	☒ Test <u>1225</u>	T-On Location <u>23:00</u>
(B) First Initial Flow <u>15</u>	☐ Jars	T-Started <u>00:05</u>
(C) First Final Flow <u>66</u>	☒ Safety Joint <u>75</u>	T-Open <u>1:46</u>
(D) Initial Shut-In <u>1,275</u>	☒ Circ Sub <u>W/C</u>	T-Pulled <u>4:46</u>
(E) Second Initial Flow <u>81</u>	☐ Hourly Standby	T-Out <u>6:35</u>
(F) Second Final Flow <u>107</u>	☒ Mileage <u>76 RT 100.40</u>	Comments
(G) Final Shut-In <u>1,247</u>	☐ Sampler	
(H) Final Hydrostatic <u>1,998</u>	☐ Straddle	

Initial Open <u>30</u>	☐ Shale Packer	☐ Ruined Shale Packer
Initial Shut-In <u>45</u>	☐ Extra Packer	☐ Ruined Packer
Final Flow <u>45</u>	☐ Extra Recorder	Sub Total <u>50</u>
Final Shut-In <u>60</u>	☐ Day Standby	Total <u>1556.40</u>
	☒ Accessibility <u>150</u>	MP/DST Disc't
	Sub Total <u>1406.40</u>	

Approved By Larry Freund Our Representative [Signature]
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P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 042664

Well Name & No. Knapp "A" 1-32 Test No. .5 Date 6/16/11
 Company Lario Oil & Gas Company Elevation 2950 KB 2940 GL
 Address 301 S Market ST Wichita KS 67202-3805
 Co. Rep / Geo. Larry Friend Rig Martin 22
 Location: Sec. 34 Twp. 12 Rge. 31 Co. Gov State KS

Interval Tested 4206-4243 Zone Tested Kansas City "K"
 Anchor Length 37 Drill Pipe Run 4109 Mud Wt. 9.3
 Top Packer Depth 4201 Drill Collars Run 120 Vis 59
 Bottom Packer Depth 4206 Wt. Pipe Run 0 WL 9.6
 Total Depth 4243 Chlorides 3,000 ppm System LCM 2

Blow Description B.O.B in 27 mins
No Return Blow
B.O.B in 32 mins
No Return Blow

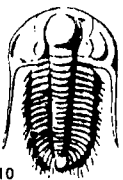
Rec	Feet of	%gas	%oil	%water	%mud
<u>0</u>	<u>popping gas in water; 0.5 spots</u>				
<u>154</u>	<u>mcw</u>		<u>60%</u>	<u>40%</u>	<u>40%</u>
<u>182</u>	<u>mcw</u>		<u>90%</u>	<u>10%</u>	<u>10%</u>
<u> </u>	<u> </u>				
<u> </u>	<u> </u>				

Rec Total 336 BHT 123 Gravity API RW 10 @ 81 °F Chlorides 65,000 ppm

(A) Initial Hydrostatic <u>2,127</u>	☒ Test <u>1225</u>	T-On Location <u>13:20</u>
(B) First Initial Flow <u>18</u>	☐ Jars <u> </u>	T-Started <u>14:30</u>
(C) First Final Flow <u>105</u>	☒ Safety Joint <u>75</u>	T-Open <u>16:11</u>
(D) Initial Shut-In <u>1,238</u>	☒ Circ Sub <u>N/C</u>	T-Pulled <u>19:11</u>
(E) Second Initial Flow <u>124</u>	☐ Hourly Standby <u> </u>	T-Out <u>20:59</u>
(F) Second Final Flow <u>190</u>	☒ Mileage <u>76 RT 106.40</u>	Comments <u> </u>
(G) Final Shut-In <u>1,210</u>	☐ Sampler <u> </u>	
(H) Final Hydrostatic <u>2,055</u>	☐ Straddle <u> </u>	

Initial Open <u>30</u>	☐ Shale Packer <u> </u>	☐ Ruined Shale Packer <u> </u>
Initial Shut-In <u>45</u>	☐ Extra Packer <u> </u>	☐ Ruined Packer <u> </u>
Final Flow <u>45</u>	☐ Extra Recorder <u> </u>	☐ Extra Copies <u> </u>
Final Shut-In <u>60</u>	☐ Day Standby <u> </u>	Sub Total <u>150</u>
	☒ Accessibility <u>150</u>	Total <u>1556.40</u>
	Sub Total <u>1406.40</u>	MP/DST Disc't <u> </u>

Approved By Larry Friend Our Representative [Signature]
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Test Ticket

NO. 042865

Well Name & No. Knapp "A" 1-32 Test No. 6 Date 6/17/11
 Company Lario Oil & Gas Company Elevation 2950 KB 2940 GL
 Address 301 S Market ST Wichita KS 67202-3805
 Co. Rep / Geo. Larry Friend Rig Martin 22
 Location: Sec. 34 Twp. 12 Rge. 31 Co. Barre State KS

Interval Tested 4425-4455 Zone Tested Fort Scott
 Anchor Length 30 Drill Pipe Run 4291 Mud Wt. 9.2
 Top Packer Depth 4420 Drill Collars Run 120 Vis 53
 Bottom Packer Depth 4425 Wt. Pipe Run 0 WL 2.8
 Total Depth 4455 Chlorides 3500 ppm System LCM 2

Blow Description Weak Surface Blow
No Return Blow
Weak Surface Blow
No Return Blow

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

Rec Total 5 BHT 121 Gravity — API RW 60 @ 80 °F Chlorides 9,000 ppm

(A) Initial Hydrostatic 2,200
 (B) First Initial Flow 15
 (C) First Final Flow 15
 (D) Initial Shut-In 38
 (E) Second Initial Flow 16
 (F) Second Final Flow 32
 (G) Final Shut-In 51
 (H) Final Hydrostatic 2,162

☒ Test 1225
☐ Jars —
☒ Safety Joint 75
☒ Circ Sub N/C
☐ Hourly Standby —
☒ Mileage 76 RT 106.40
☐ Sampler —
☐ Straddle —
☐ Shale Packer —
☐ Extra Packer —
☐ Extra Recorder —
☐ Day Standby —
☒ Accessibility 150
 Sub Total 1406.40

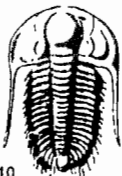
T-On Location 14:10
 T-Started 15:10
 T-Open 16:50
 T-Pulled 19:05
 T-Out 20:51
 Comments —
☐ Ruined Shale Packer —
☐ Ruined Packer —
☐ Extra Copies —
 Sub Total 150
 Total 1556.40
 MP/DST Disc't —

Initial Open 30 15
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 60

Approved By Larry Friend

Our Representative Joe M. King

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P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 042666

4/10

Well Name & No. Knapp "A" 1-32 Test No. 7 Date 10/18/11
 Company Lario Oil & Gas Company Elevation 2950 KB 2940 GL
 Address 301 S Market ST Wichita KS 67202-3805
 Co. Rep / Geo. Larry Friend Rig Martin 22
 Location: Sec. 34 Twp. 12 Rge. 31 Co. Osage State KS

Interval Tested 4452-4551 Zone Tested Cherokee & Shinarump
 Anchor Length 99 Drill Pipe Run 4420 4321 Mud Wt. 9.4
 Top Packer Depth 4448 Drill Collars Run 120 Vis 6.1
 Bottom Packer Depth 4452 Wt. Pipe Run 0 WL 8.8
 Total Depth 4551 Chlorides 3,000 ppm System LCM 2

Blow Description B.O.B. in 4 1/2 min.
B.O.B. in 12 min.
B.O.B. in 7 min.
B.O.B. in 23 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>0</u>	<u>1550' Gas In Pipe</u>				
Rec <u>288</u>	Feet of <u>900</u>	<u>10%gas</u>	<u>90%oil</u>	<u>%water</u>	<u>%mud</u>
Rec <u>248</u>	Feet of <u>900</u>	<u>40%gas</u>	<u>60%oil</u>	<u>%water</u>	<u>%mud</u>
Rec <u>310</u>	Feet of <u>900</u>	<u>50%gas</u>	<u>50%oil</u>	<u>%water</u>	<u>%mud</u>
Rec <u>120</u>	Feet of <u>900</u>	<u>30%gas</u>	<u>60%oil</u>	<u>%water</u>	<u>10 %mud</u>

Rec Total 946 BHT 127 Gravity 31 API RW — @ —° F Chlorides — ppm

(A) Initial Hydrostatic 2,284 ☒ Test 1225 T-On Location Standard Location
 (B) First Initial Flow 57 ☐ Jars — T-Started 9:50
 (C) First Final Flow 178 ☒ Safety Joint 75 T-Open 11:55
 (D) Initial Shut-In 1,104 ☒ Circ Sub N/C T-Pulled 15:55
 (E) Second Initial Flow 223 ☐ Hourly Standby — T-Out 18:40
 (F) Second Final Flow 371 ☒ Mileage 76RT 106.40 Comments —
 (G) Final Shut-In 1,063 ☐ Sampler —
 (H) Final Hydrostatic 2,151 ☐ Straddle —
☐ Shale Packer — ☐ Ruined Shale Packer —
☐ Extra Packer — ☒ Ruined Packer 2100
☐ Extra Recorder — ☐ Extra Copies —

Initial Open 30 Sub Total 410
 Initial Shut-In 60 Total 1816.40
 Final Flow 60 MP/DST Disc't —
 Final Shut-In 90

Sub Total 1406.40

Approved By Larry Friend Our Representative [Signature]

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