

# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

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FEB 14 2011

## Test Ticket

NO. 041742 15423

Well Name & No. Pfeifer #5 BY: \_\_\_\_\_ Test No. 1 Date 2-9-11  
 Company RL Investment, LLC Elevation 2459 KB 2454 GL \_\_\_\_\_  
 Address 217 SAINT PETER ST MORLAND KS 67260-45101  
 Co. Rep / Geo. Richard Bell Rig LWRig #8  
 Location: Sec. 31 Twp. 10 S Rge. 24 W Co. Cochran State KS

Interval Tested 3820-3837 Zone Tested LKC-C  
 Anchor Length 17 Drill Pipe Run 3297 Mud Wt. 9.0  
 Top Packer Depth 3815 Drill Collars Run 122 Vis 58  
 Bottom Packer Depth 3820 Wt. Pipe Run 0 WL 8.0  
 Total Depth 3837 Chlorides 1000 ppm System LCM 2<sup>nd</sup>

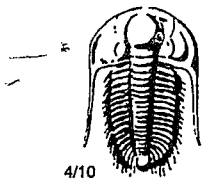
Blow Description 1st - Weak Blow Built to 2 1/4 IN  
1st - Dead No Blow Back  
2nd - Fair Blow Built to 9 IN  
2nd - Dead No Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>71</u>	<u>mw with a scum of oil</u>			<u>75%</u>	<u>25%</u>
<u>124</u>	<u>mw with oil spots</u>			<u>90%</u>	<u>10%</u>
<u>124</u>	<u>mw</u>			<u>60%</u>	<u>40%</u>
<u>93</u>	<u>GIP</u>				

Rec Total 319 BHT 115 Gravity \_\_\_\_\_ API RW 142 @ 31.9° F Chlorides 125000 ppm  
 (A) Initial Hydrostatic 1378  Test 1125' T-On Location 8:57  
 (B) First Initial Flow 57  Jars \_\_\_\_\_ T-Started 9:49  
 (C) First Final Flow 127  Safety Joint \_\_\_\_\_ T-Open 12:14  
 (D) Initial Shut-In 719  Circ Sub \_\_\_\_\_ T-Pulled 15:59  
 (E) Second Initial Flow 1420  Hourly Standby \_\_\_\_\_ T-Out 17:00  
 (F) Second Final Flow 187  Mileage 108 RT 135' Comments \_\_\_\_\_  
 (G) Final Shut-In 716  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1798  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Open 30  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Initial Shut-In 45  Day Standby \_\_\_\_\_ Total 1260  
 Final Flow 30  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Final Shut-In 200 Sub Total 1260

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.



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BY: \_\_\_\_\_

## Test Ticket

NO. 041743

Well Name & No. Pfeifer #5 Test No. 2 Date 2-10-11  
 Company RL Investments, LLC Elevation 2459 KB 2454 GL  
 Address 217 Saint Peter ST Morland KS 67250 + 5101  
 Co. Rep / Geo. Richard Bell Rig LW Rig #3  
 Location: Sec. 31 Twp. 10 S Rge. 24 W Co. Graham State KS

Interval Tested 3837-3855 Zone Tested KKC-D  
 Anchor Length 18 Drill Pipe Run 3728 Mud Wt. 9.2  
 Top Packer Depth 3832 Drill Collars Run 122 Vis 59  
 Bottom Packer Depth 3837 Wt. Pipe Run 0 WL 80  
 Total Depth 3855 Chlorides 2000 ppm System LCM 2#

Blow Description FP-Weak Blow Built To 3 IN  
ISI-Dead No Blow Back.  
FP-Weak Blow Built To 3 IN  
ISI-Dead No Blow Back.

Rec	Feet of	%gas	%oil	%water	%mud
<u>65</u>	<u>Feet of MW WITH ASCUM OF OIL</u>			<u>65</u>	<u>35</u>
<u>61</u>	<u>Feet of WM WITH OIL SPOTS</u>			<u>45</u>	<u>55</u>

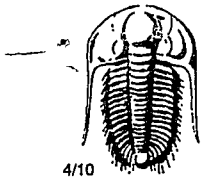
Rec Total 126 BHT 115 Gravity \_\_\_\_\_ API RW 144 @ 42.7 °F Chlorides 85000 ppm

(A) Initial Hydrostatic 1874  Test 1125 T-On Location 8:26  
 (B) First Initial Flow 48  Jars \_\_\_\_\_ T-Started 8:39  
 (C) First Final Flow 68  Safety Joint \_\_\_\_\_ T-Open 10:40  
 (D) Initial Shut-In 458  Circ Sub \_\_\_\_\_ T-Pulled 13:25  
 (E) Second Initial Flow 87  Hourly Standby \_\_\_\_\_ T-Out 15:10  
 (F) Second Final Flow 79  Mileage 108 RT 135 Comments \_\_\_\_\_  
 (G) Final Shut-In 4201  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1809  Straddle \_\_\_\_\_

Ruined Shale Packer  
 Ruined Packer  
 Extra Copies  
 Initial Open 30  
 Initial Shut-In 45  
 Final Flow 30  
 Final Shut-In 60  
 Extra Packer  
 Extra Recorder  
 Day Standby  
 Accessibility  
 Sub Total 1260  
 Sub Total 1260  
 Total 1260  
 MP/DST Disc't \_\_\_\_\_

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## Test Ticket

NO. 041744

Well Name & No. Pfeifer #5 BY: \_\_\_\_\_ Test No. 3 Date 2-10-11  
 Company RL INVESTMENTS, LLC Elevation 2459 KB 2454 GL \_\_\_\_\_  
 Address 217 Saint Peter ST Morland KS 67250 + 5101  
 Co. Rep / Geo. Richard Bell Rig LW R.ig #8  
 Location: Sec. 31 Twp. 10 S Rge. 24 W Co. Graham State KS

Interval Tested 3864 - 3890 Zone Tested LKC - E + F  
 Anchor Length 210 Drill Pipe Run 3728 Mud Wt. 9.2  
 Top Packer Depth 3859 Drill Collars Run 122 Vis 49  
 Bottom Packer Depth 3864 Wt. Pipe Run 0 WL 3.0  
 Total Depth 3890 Chlorides 3000 ppm System LCM 1 1/2 #

Blow Description FFP - Good Blow BOB IN 7 min  
ISL - Dead No Blow Back  
FFP - Good Blow BOB IN 10 min  
ISL - Dead No Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>65</u>	<u>USOC Wm</u>		<u>2</u>	<u>5</u>	<u>93</u>
<u>124</u>	<u>Wm with oil spots</u>			<u>40</u>	<u>60</u>
<u>248</u>	<u>MW</u>			<u>70</u>	<u>30</u>
<u>122</u>	<u>MW with oil spots</u>			<u>90</u>	<u>10</u>
<u>3</u>	<u>free oil</u>				

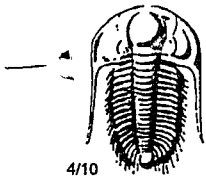
Rec Total 559 562 BHT 120 Gravity 38 API RW 139 @ 25.1 °F Chlorides 190,000 ppm

(A) Initial Hydrostatic 1890  Test 1125 T-On Location 21:19  
 (B) First Initial Flow 69  Jars \_\_\_\_\_ T-Started 21:46  
 (C) First Final Flow 178  Safety Joint \_\_\_\_\_ T-Open 23:27  
 (D) Initial Shut-In 902  Circ Sub \_\_\_\_\_ T-Pulled 2:12  
 (E) Second Initial Flow 203  Hourly Standby \_\_\_\_\_ T-Out 4:54  
 (F) Second Final Flow 277  Mileage 108 RT 185 Comments \_\_\_\_\_  
 (G) Final Shut-In 895  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1795  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_

Initial Open 30  Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Initial Shut-In 45  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Final Flow 30  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Final Shut-In 200  Day Standby \_\_\_\_\_ Total 1260  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1260

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## Test Ticket

NO. 041745

Well Name & No. Pfeifer #5 BY: \_\_\_\_\_ Test No. 4 Date 2-11-11  
 Company RL INVESTMENTS, LLC Elevation 2459 KB 2454 GL \_\_\_\_\_  
 Address 217 Saint Peter ST Morland KS 67650-5101  
 Co. Rep / Geo. Richard Bell Rig LW Rig #3  
 Location: Sec. 31 Twp. 10 S Rge. 24 W Co. Graham State KS

Interval Tested 3923-3958 Zone Tested LKC-H  
 Anchor Length 35 Drill Pipe Run 3792 Mud Wt. 9.1  
 Top Packer Depth 3918 Drill Collars Run 122 Vis 52  
 Bottom Packer Depth 3923 Wt. Pipe Run D WL 8.0  
 Total Depth 3958 Chlorides 5000 ppm System LCM 1 1/2 \*

Blow Description FP-Weak Blow BUILT TO 2 IN  
IS-Dead No Blow Back  
FP-Weak Blow BUILT TO 1/4 IN  
IS-Dead No Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>Mud with A Scum of oil</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 <u>7</u>	Feet of	%gas	%oil	%water	%mud

Rec Total 15 BHT 106 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic <u>1919</u>	<input checked="" type="checkbox"/> Test <u>1125</u>	T-On Location <u>12:02</u>
(B) First Initial Flow <u>33</u>	<input type="checkbox"/> Jars _____	T-Started <u>12:36</u>
(C) First Final Flow <u>25</u>	<input type="checkbox"/> Safety Joint _____	T-Open <u>14:04</u>
(D) Initial Shut-In <u>704</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>16:49</u>
(E) Second Initial Flow <u>56</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>18:21</u>
(F) Second Final Flow <u>48</u>	<input checked="" type="checkbox"/> Mileage <u>108 RT 135</u>	Comments _____
(G) Final Shut-In <u>480</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1859</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____

Initial Open 30  Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Initial Shut-In 45  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Final Flow 30  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Final Shut-In 60  Day Standby \_\_\_\_\_ Total 1260  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1260

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