



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVE Test Ticket

JAN 25 2010

NO. 37033, 3835

10/08

BY: _____

Well Name & No. Cramer 1-22 Test No. 1 Date 1-16-10
 Company Larson Engineering Elevation 2873 KB 2863 GL
 Address 562 W State Rd 4 Olathe, KS 67564
 Co. Rep / Geo. Bob Lewellyn Rig HD 2
 Location: Sec. 22 Twp. 17S Rge. 30W Co. 2873 Lme State KS

Interval Tested 3926 3960 Zone Tested Lensing A
 Anchor Length 34 Drill Pipe Run 3789 Mud Wt. 9.1
 Top Packer Depth 3921 Drill Collars Run 124 Vis 5/
 Bottom Packer Depth 3926 Wt. Pipe Run --- WL 7.6
 Total Depth 3960 Chlorides 1600 ppm System LCM 2
 Blow Description IF: 1/4 blow built to 2 in 15 min.
IS: No return.
FF: 1/4 blow built to 3 in 30 min.
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>40</u>	<u>mud oil spots</u>				<u>100%</u>
<u>124</u>	<u>MLW</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

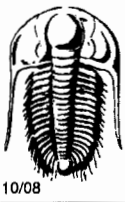
Rec Total 164 BHT 110 Gravity --- API RW .17 @ 63 °F Chlorides 50,000 ppm

(A) Initial Hydrostatic 1917 Test 1050.00 T-On Location 00:50
 (B) First Initial Flow 27 Jars 250.00 T-Started 1:21
 (C) First Final Flow 62 Safety Joint 75.00 T-Open 3:39
 (D) Initial Shut-In 1087 Circ Sub N/C T-Pulled 5:52
 (E) Second Initial Flow 65 Hourly Standby _____ T-Out 8:25
 (F) Second Final Flow 89 Mileage 60-60.00 Comments _____
 (G) Final Shut-In 1078 Sampler _____
 (H) Final Hydrostatic 1883 Straddle _____

Initial Open 15 Shale Packer _____ Ruined Shale Packer _____
 Initial Shut-In 30 Extra Packer _____ Ruined Packer _____
 Final Flow 30 Extra Recorder _____ Extra Copies _____
 Final Shut-In 60 Day Standby _____ Sub Total 0
 Accessibility _____ Total 435
 Sub Total 435

Approved By [Signature] Our Representative [Signature] BT

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.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

RECEIVED
JAN 25 2010

NO. 37034

BY: _____

Well Name & No. Cramer 1-22 Test No. 2 Date 1-17-10
 Company Larson Engineering Elevation 2873 KB 2863 GL
 Address 562 W State Rd 4 Olmitz, KS 67564
 Co. Rep / Geo. Bob Lewellyn Rig HD#2
 Location: Sec. 22 Twp. 17S Rge. 30W Co. Lawe State KS

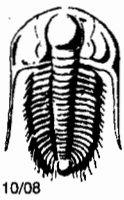
Interval Tested 4100 4174 Zone Tested Lansing H-I
 Anchor Length 74 Drill Pipe Run 3953 Mud Wt. 9.1
 Top Packer Depth 4695 Drill Collars Run 124 Vis 55
 Bottom Packer Depth 4100 Wt. Pipe Run — WL 7.6
 Total Depth 4174 Chlorides 1900 ppm System LCM 2
 Blow Description IF: 1/4 blow built to 2 in 15 min.
IS: No return.
FF: No blow.
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
30	mud 0.1 spots			100	

Rec Total 30 BHT 109 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2072</u>	<input checked="" type="checkbox"/> Test <u>1150.00</u>	T-On Location <u>5:00</u>
(B) First Initial Flow <u>29</u>	<input checked="" type="checkbox"/> Jars <u>250.00</u>	T-Started <u>5:31</u>
(C) First Final Flow <u>39</u>	<input checked="" type="checkbox"/> Safety Joint <u>75.00</u>	T-Open <u>7:28</u>
(D) Initial Shut-In <u>1324</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/L</u>	T-Pulled <u>9:43</u>
(E) Second Initial Flow <u>42</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>11:45</u>
(F) Second Final Flow <u>47</u>	<input checked="" type="checkbox"/> Mileage <u>60-60.00</u>	Comments
(G) Final Shut-In <u>1642</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2020</u>	<input type="checkbox"/> Straddle	
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility	Total <u>1535</u>
	Sub Total <u>1535</u>	

Approved By [Signature] Our Representative [Signature]
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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
JAN 25 2010

Test Ticket

NO. 37035

Well Name & No. Cramer 1-22 BY: _____ Test No. 3 Date 1-17-10
 Company Larson Engineering Elevation 2873 KB 2863 GL _____
 Address 562 W. State Rd 4 Olmitz, 153 67564
 Co. Rep / Geo. Bob Lewellyn Rig HD #2
 Location: Sec. 22 Twp. 17 S Rge. 30 W Co. Line State KS

Interval Tested 4187 4196 Zone Tested Lensing J
 Anchor Length _____ 9 Drill Pipe Run 4045 Mud Wt. 9.1
 Top Packer Depth _____ 4182 Drill Collars Run 124 Vis 55
 Bottom Packer Depth _____ 4187 Wt. Pipe Run _____ WL 7.4
 Total Depth _____ 4196 Chlorides 2300 ppm System LCM 2
 Blow Description IF: 1/4 blow built to 7 in 15 min.
IS: No return.
FF: 1/4 blow BoB in 25 min.
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>129</u>	<u>mcw</u>		<u>90</u>	<u>90</u>	
<u>124</u>	<u>mcw</u>		<u>95</u>	<u>5</u>	
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____

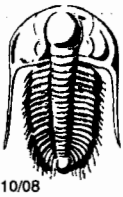
Rec Total 253 BHT 117 Gravity _____ API RW .20 @ 60 ° F Chlorides 44,000 ppm

(A) Initial Hydrostatic <u>2111</u>	<input checked="" type="checkbox"/> Test <u>1150.00</u>	T-On Location <u>6:00 P.M.</u>
(B) First Initial Flow <u>15</u>	<input checked="" type="checkbox"/> Jars <u>250.00</u>	T-Started <u>6:45 P.M.</u>
(C) First Final Flow <u>78</u>	<input checked="" type="checkbox"/> Safety Joint <u>75.00</u>	T-Open <u>8:37 P.M.</u>
(D) Initial Shut-In <u>928</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/L</u>	T-Pulled <u>10:52 P.M.</u>
(E) Second Initial Flow <u>79</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>1:15 AM</u>
(F) Second Final Flow <u>140</u>	<input checked="" type="checkbox"/> Mileage <u>60-60.00</u>	Comments _____
(G) Final Shut-In <u>927</u>	<input type="checkbox"/> Sampler _____	_____
(H) Final Hydrostatic <u>2020</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>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>1535</u>
	Sub Total <u>1535</u>	

Approved By _____

Our Representative _____

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED Test Ticket

JAN 25 2010

NO. 37036

10/08

BY:

Well Name & No. Cramer 1-22 Test No. 4 Date 1-18-10
 Company Larson Engineering Elevation 2873 KB 2863 GL
 Address 562 W State Rd 4 Olmitz, KS 67564
 Co. Rep / Geo. Bob Lewellyn Rig HD #2
 Location: Sec. 22 Twp. 17 S Rge. 30 W Co. Lea State KS

Interval Tested 4222 4273 Zone Tested K-L
 Anchor Length 51 Drill Pipe Run 4075 Mud Wt. 9.3
 Top Packer Depth 4217 Drill Collars Run 124 Vis 55
 Bottom Packer Depth 4222 Wt. Pipe Run --- WL 7.6
 Total Depth 4273 Chlorides 2300 ppm System LCM 1
 Blow Description IF: Surface blow built to 1 in 15 min.
IS: No return.
FF: Surface blow built to 4 in 30 min.
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
1	oil		100		
30	ocm	20		80	
62	ocm	10		90	

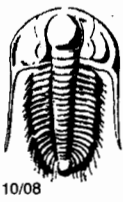
Rec Total 93 BHT 111 Gravity --- API RW --- @ --- °F Chlorides --- ppm

(A) Initial Hydrostatic <u>2118</u>	<input checked="" type="checkbox"/> Test <u>1150.00</u>	T-On Location <u>16:45</u>
(B) First Initial Flow <u>14</u>	<input checked="" type="checkbox"/> Jars <u>250.00</u>	T-Started <u>17:02</u>
(C) First Final Flow <u>30</u>	<input checked="" type="checkbox"/> Safety Joint <u>75.00</u>	T-Open <u>18:37</u>
(D) Initial Shut-In <u>938</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/K</u>	T-Pulled <u>20:52</u>
(E) Second Initial Flow <u>35</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>22:50</u>
(F) Second Final Flow <u>54</u>	<input checked="" type="checkbox"/> Mileage <u>60-60.00</u>	Comments
(G) Final Shut-In <u>911</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2055</u>	<input type="checkbox"/> Straddle	
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility	Total <u>1535</u>
	Sub Total <u>1535</u>	

Approved By [Signature]

Our Representative [Signature]

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED Test Ticket
JAN 25 2010 NO. 37037

BY: _____

Well Name & No. Cramer 1-22 Test No. 5 Date 1-19-10
 Company Larson Engineering Elevation 2873 KB 2863 GL
 Address 562 W State Rd 4 OLMITZ, KS 67564
 Co. Rep / Geo. Bob Lewellyn Rig HD #2
 Location: Sec. 22 Twp. 17S Rge. 30W Co. Lme State KS

Interval Tested 4282 4375 Zone Tested Altamont
 Anchor Length 93 Drill Pipe Run 4135 Mud Wt. 9.4
 Top Packer Depth 4277 Drill Collars Run 124 Vis 46
 Bottom Packer Depth 4282 Wt. Pipe Run --- WL 7.2
 Total Depth 4375 Chlorides 2500 ppm System LCM 1

Blow Description IF: 1/4 blow built to 4 in 15 min.
IS: No return.
FF: 1/4 blow built to 6 in 30 min.
FS: No return.

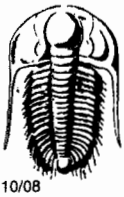
Rec	Feet of	%gas	%oil	%water	%mud
<u>61</u>	<u>0cm</u>	<u>2</u>		<u>78</u>	
<u>124</u>	<u>90cm</u>	<u>10</u>		<u>85</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 185 BHT H0 Gravity --- API RW --- @ --- ° F Chlorides --- ppm

(A) Initial Hydrostatic <u>2228</u>	<input checked="" type="checkbox"/> Test <u>1150.00</u>	T-On Location <u>17:45</u>
(B) First Initial Flow <u>20</u>	<input checked="" type="checkbox"/> Jars <u>250.00</u>	T-Started <u>18:26</u>
(C) First Final Flow <u>75</u>	<input checked="" type="checkbox"/> Safety Joint <u>75.00</u>	T-Open <u>20:16</u>
(D) Initial Shut-In <u>1133</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/L</u>	T-Pulled <u>22:31</u>
(E) Second Initial Flow <u>81</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>1:10</u>
(F) Second Final Flow <u>100</u>	<input checked="" type="checkbox"/> Mileage <u>60-60.00</u>	Comments
(G) Final Shut-In <u>1065</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2133</u>	<input type="checkbox"/> Straddle	
Initial Open <u>15</u>	<input checked="" type="checkbox"/> Shale Packer <u>250.00</u>	<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>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>1785-</u>
	Sub Total <u>1785-</u>	

Approved By [Signature] Our Representative [Signature]

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
JAN 25 2010

Test Ticket

NO. 37038

BY: _____

Well Name & No. Cramer 1-22 Test No. 6 Date 1-20-10
 Company Larson Engineering Elevation 2873 KB 2863 GL
 Address 562 W State Rd 4 Omitz, KS 67564
 Co. Rep / Geo. Bob Lewellyn Rig HO #2
 Location: Sec. 22 Twp. 17S Rge. 30W Co. Lane State KS

Interval Tested 4395 4480 Zone Tested PqWnee - Ft. Scott
 Anchor Length 85 Drill Pipe Run 4255 Mud Wt. 9.3
 Top Packer Depth 4390 Drill Collars Run 124 Vis 45
 Bottom Packer Depth 4395 Wt. Pipe Run --- WL 8.8
 Total Depth 4480 Chlorides 3300 ppm System LCM 1

Blow Description IF: surface blow built to 1 in 15 min.
IS: No return.
EF: No blow.
FS: No return.

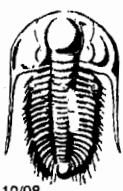
Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>mud some oil spots</u>				<u>100%</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 20 BHT 110 Gravity --- API RW --- @ --- °F Chlorides --- ppm

(A) Initial Hydrostatic <u>2227</u>	<input checked="" type="checkbox"/> Test <u>1150.00</u>	T-On Location <u>15:45</u>
(B) First Initial Flow <u>16</u>	<input checked="" type="checkbox"/> Jars <u>250.00</u>	T-Started <u>16:25</u>
(C) First Final Flow <u>23</u>	<input checked="" type="checkbox"/> Safety Joint <u>75.00</u>	T-Open <u>18:08</u>
(D) Initial Shut-In <u>1037</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>21:08</u>
(E) Second Initial Flow <u>24</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>23:10</u>
(F) Second Final Flow <u>32</u>	<input checked="" type="checkbox"/> Mileage <u>60.00</u>	Comments
(G) Final Shut-In <u>1091</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2189</u>	<input type="checkbox"/> Straddle	
	<input checked="" type="checkbox"/> Shale Packer <u>250.00</u>	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility	Total <u>1785</u>
	Sub Total <u>1785</u>	

Approved By [Signature] Our Representative [Signature]

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P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
JAN 25 2010

Test Ticket

NO. 37039

10/08

BY:

Well Name & No. Cramer 1-22 Test No. 7 Date 1-21-10
 Company Larson Engineering Elevation 2873 KB 2863 GL
 Address 562 W State Rd 4 Omitz, KS 67564
 Co. Rep / Geo. Bob Lwellyn Rig AD#2
 Location: Sec. 22 Twp. 17 S Rge. 30 W Co. Lane State KS

Interval Tested 4478 4540 Zone Tested Johnson
 Anchor Length 62 Drill Pipe Run 4350 Mud Wt. 9.5
 Top Packer Depth 4473 Drill Collars Run 124 Vis 46
 Bottom Packer Depth 4478 Wt. Pipe Run _____ WL 9.2
 Total Depth 4540 Chlorides 3000 ppm System LCM 1

Blow Description IF: 1/4 blow died in 10 min.
IS: NO return.
FF: No blow.
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>1</u>	<u>Free oil</u>		<u>100</u>		
<u>5</u>	<u>mud oil spots</u>			<u>100</u>	
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Rec Total 6 BHT 111 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2298 Test 1150.00 T-On Location 9:00
 (B) First Initial Flow 16 Jars 250.00 T-Started 9:20
 (C) First Final Flow 18 Safety Joint 75.00 T-Open 11:11
 (D) Initial Shut-In 1058 Circ Sub NIL T-Pulled 13:26
 (E) Second Initial Flow 20 Hourly Standby _____ T-Out 15:55
 (F) Second Final Flow 23 Mileage 60.00 Comments _____
 (G) Final Shut-In 1096 Sampler _____
 (H) Final Hydrostatic 2250 Straddle _____

Shale Packer 250.00 Ruined Shale Packer 280.00
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____
 Day Standby _____ Sub Total 280
 Accessibility _____ Total 2065
 Sub Total 1785

Approved By _____ Our Representative _____

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