

**TRILOBITE
TESTING INC.**

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
AUG 11 2010

Test Ticket

NO. 039637 14590

BY:

Well Name & No. Harris #1-20 Test No. 1 Date 8-1-10
Company Larson Elevation 2904 KB 2897 GL
Address 562 W State Rd 4 Olmitz KS 67564
Co. Rep / Geo. Vern Schrag Rig HD #3
Location: Sec. 20 Twp. 9S Rge. 30W Co. Lane State KS

Interval Tested 3973 - 4002 Zone Tested Lane "B"
Anchor Length 29' Drill Pipe Run 3840 Mud Wt. 8.9
Top Packer Depth 3968 Drill Collars Run 119 Vis 52
Bottom Packer Depth 3973 Wt. Pipe Run 0 WL 7.6
Total Depth 4002 Chlorides 1450 ppm System LCM 1#

Blow Description IF:

IS: Mis run. Bridged out @ "2217"
FP:
FS:

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	Feet of	%gas	%oil	%water	%mud

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

(A) Initial Hydrostatic 1087

(B) First Initial Flow _____

(C) First Final Flow _____

(D) Initial Shut-In _____

(E) Second Initial Flow _____

(F) Second Final Flow _____

(G) Final Shut-In _____

(H) Final Hydrostatic 1090

Initial Open _____

Initial Shut-In _____

Final Flow _____

Final Shut-In _____

☒ Test 1025

☒ Jars 250

☒ Safety Joint 75

☒ Circ Sub N/C

☐ Hourly Standby _____

☒ Mileage 30 x 1.25 = \$37.50

☐ Sampler _____

☐ Straddle _____

☐ Shale Packer _____

☐ Extra Packer _____

☐ Extra Recorder _____

☐ Day Standby _____

☐ Accessibility _____

Sub Total 1387.50

T-On Location 16:50pm

T-Started 18:25pm

T-Open _____

T-Pulled 20:30pm

T-Out 21:49pm

Comments _____

☐ Ruined Shale Packer _____

☐ Ruined Packer _____

☐ Extra Copies _____

Sub Total 0

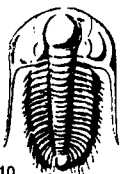
Total 1387.50

MP/BST Disc't _____

Approved By Vern Schrag

Our Representative Frederick Schrag

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

RECEIVED
AUG 11 2010

Test Ticket

NO. 039638

Well Name & No. Harris # 1-20 Test No. 2 Date 8-2-10
 Company Larson Elevation 2904 KB 2897 GL
 Address 562 W State Rd 4, Olmitz KS 67564
 Co. Rep / Geo. Vern Schrag Rig HD #3
 Location: Sec. 20 Twp. P8S Rge. 30W Co. Lane State KS

Interval Tested 3973-4002 Zone Tested Lens "B"
 Anchor Length 29' Drill Pipe Run 3840 Mud Wt. 9.1
 Top Packer Depth 3968 Drill Collars Run 119 Vis 53
 Bottom Packer Depth 3973 Wt. Pipe Run 0 WL 7.6
 Total Depth 4002 Chlorides 1450 ppm System LCM 1#

Blow Description IF: Surface blow died in 13 mins.

IS: No return.

FF: No blow.

FS: No return.

GIP=0

Rec	Feet of	%gas	%oil	%water	%mud
<u>3</u>	<u>0 Spotted M</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 3 BHT 113 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1926 ☒ Test 1225'
 (B) First Initial Flow 16 ☒ Jars 250'
 (C) First Final Flow 18 ☒ Safety Joint 75
 (D) Initial Shut-In 674 ☒ Circ Sub N/C
 (E) Second Initial Flow 17 ☐ Hourly Standby _____
 (F) Second Final Flow 18 ☒ Mileage 30 x 1.25 = 37.50
 (G) Final Shut-In 445 ☐ Sampler _____
 (H) Final Hydrostatic 1915 ☐ Straddle _____
☐ Shale Packer _____
☐ Extra Packer _____
☐ Extra Recorder _____
☐ Day Standby _____
☐ Accessibility _____

T-On Location 03:20am
 T-Started 03:55am
 T-Open 05:55am
 T-Pulled 07:25am
 T-Out 09:14am
 Comments _____

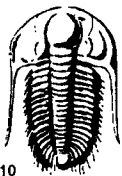
Initial Open 15
 Initial Shut-In 30
 Final Flow 15
 Final Shut-In 30

☐ Ruined Shale Packer _____
☐ Ruined Packer _____
☐ Extra Copies _____
 Sub Total 0
 Total 1587.50

Approved By Vernon C. Schrag

Our Representative [Signature]

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RECEIVED
AUG 09 2010

Test Ticket

NO. 039172

4/10

Well Name & No. HARRIS 1-20 BY: _____ Test No. 3 Date 8-3-10

Company LARSON ENGINEERING Elevation 2904 KB 2897 GL _____

Address 562 W. State Rd 4 Olmitz KS 67564

Co. Rep / Geo. Vern Schrag Rig HD #3

Location: Sec. 20 Twp. 18S Rge. 30W Co. LANE State KS

Interval Tested 4125-4155 Zone Tested H-Zone

Anchor Length 30' Drill Pipe Run 3988 Mud Wt. 9.1

Top Packer Depth 4120 Drill Collars Run 110 Vis 54

Bottom Packer Depth 4125 Wt. Pipe Run Ø WL 6.8

Total Depth 4155 Chlorides 1700 ppm System LCM 7

Blow Description IF: Weak Surface Blow

IS: No Return Blow

FF: No Blow

FS: No Return Blow

Rec <u>5</u>	Feet of <u>M with oil spots</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 _____	Feet of _____	%gas	%oil	%water	%mud

Rec Total 5 BHT 118 Gravity — API RW — @ — ° F Chlorides — ppm

(A) Initial Hydrostatic <u>2014</u>	☒ Test <u>1225.00</u>	T-On Location <u>06:00</u>
(B) First Initial Flow <u>16</u>	☒ Jars <u>250.00</u>	T-Started <u>07:25</u>
(C) First Final Flow <u>21</u>	☒ Safety Joint <u>75.00</u>	T-Open <u>09:26</u>
(D) Initial Shut-In <u>886</u>	☒ Circ Sub <u>NC</u>	T-Pulled <u>10:56</u>
(E) Second Initial Flow <u>22</u>	☐ Hourly Standby	T-Out <u>12:48</u>
(F) Second Final Flow <u>27</u>	☒ Mileage <u>30 RT = 37.50</u>	Comments _____
(G) Final Shut-In <u>857</u>	☐ Sampler _____	
(H) Final Hydrostatic <u>1991</u>	☐ Straddle _____	☐ Ruined Shale Packer _____

Initial Open 15

Initial Shut-In 30

Final Flow 15

Final Shut-In 30

☐ Shale Packer _____

☐ Extra Packer _____

☐ Extra Recorder _____

☐ Day Standby _____

☐ Accessibility _____

☐ Ruined Packer _____

☐ Extra Copies _____

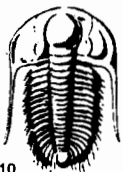
Sub Total Ø

Total 1587.50

MP/DST Disc't _____

Approved By Vern Schrag Our Representative Mike Roberts

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RECEIVED
AUG 09 2010

Test Ticket

NO. 039173

Well Name & No. HARRIS #1-20 Test No. 4 Date 8-4-10
Company LARSON Engineering Elevation 2904 KB 2897 GL
Address 562 W. State Road 4 Olmitz KS 67564
Co. Rep / Geo. Vern Schrag Rig HD#3
Location: Sec. 20 Twp. 18S Rge. 30W Co. LANE State KS

Interval Tested 4269-4283 Zone Tested 2" Zone
Anchor Length 14' Drill Pipe Run 4139 Mud Wt. 9.2
Top Packer Depth 4264 Drill Collars Run 110 Vis 56
Bottom Packer Depth 4269 Wt. Pipe Run 0 WL 6.8
Total Depth 4283 Chlorides 1800 ppm System LCM 1

Blow Description IF: Built to 5" Blow
ISI: No Return Blow
FF: Built to 9" Blow
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>350</u>	<u>GIP = 350'</u>				
<u>30</u>	<u>0</u>	<u>100</u>			
<u>60</u>	<u>gcmo</u>	<u>5</u>	<u>85</u>	<u>10</u>	
<u>60</u>	<u>gcmo</u>	<u>10</u>	<u>86</u>	<u>24</u>	

Rec Total 150 BHT 127 Gravity 36 API RW 1 ° F Chlorides 1 ppm
(A) Initial Hydrostatic 2079 ☒ Test 1225.00 T-On Location 07:45
(B) First Initial Flow 16 ☒ Jars 250.00 T-Started 09:45
(C) First Final Flow 37 ☒ Safety Joint 75.00 T-Open 12:00
(D) Initial Shut-In 496 ☒ Circ Sub NC T-Pulled 15:00
(E) Second Initial Flow 39 ☐ Hourly Standby _____ T-Out 16:57
(F) Second Final Flow 66 ☒ Mileage 30 RT = 37.50 Comments _____
(G) Final Shut-In 488 ☐ Sampler _____
(H) Final Hydrostatic 2027 ☐ Straddle _____

Initial Open 15
Initial Shut-In 30
Final Flow 45
Final Shut-In 90

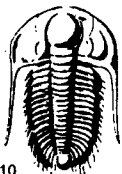
☐ Shale Packer _____
☐ Extra Packer _____
☐ Extra Recorder _____
☐ Day Standby _____
☐ Accessibility _____
Sub Total 1587.50

☐ Ruined Shale Packer _____
☐ Ruined Packer _____
☐ Extra Copies _____
Sub Total 0
Total 1587.50
MP/DST Disc't _____

Approved By Vern C Schrag

Our Representative Mike Roberts

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TESTING INC.**

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
AUG 09 2010

Test Ticket

NO. 039174

4/10

BY:

Well Name & No. Harris #1-20 Test No. 5 Date 8-4-10
Company LARSON ENGINEERING Elevation 2904 KB 2897 GL
Address 562 W. State Rd 4 Olmitz KS 67564
Co. Rep / Geo. VERN Schrag Rig HD#3
Location: Sec. 20 Twp. 18S Rge. 30W Co. LANE State KS

Interval Tested 4283-4293 Zone Tested "L"
Anchor Length 10' Drill Pipe Run 4151 Mud Wt. 9.1
Top Packer Depth 4278 Drill Collars Run 119 Vis 54
Bottom Packer Depth 4283 Wt. Pipe Run Ø WL 6.8
Total Depth 4293 Chlorides 1700 ppm System LCM 1

Blow Description IF: Weak Surface Blow died in 6 min
IS: No Return Blow
FF: No Blow
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>M</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	Gravity	API RW	@	° F	Chlorides	ppm
<u>5</u>	<u>118</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>
(A) Initial Hydrostatic	<u>2096</u>	☒ Test	<u>1225.00</u>			T-On Location	<u>23:45</u>
(B) First Initial Flow	<u>13</u>	☒ Jars	<u>250.00</u>			T-Started	<u>01:00</u>
(C) First Final Flow	<u>14</u>	☒ Safety Joint	<u>75.00</u>			T-Open	<u>02:47</u>
(D) Initial Shut-In	<u>21</u>	☒ Circ Sub	<u>NC</u>			T-Pulled	<u>04:17</u>
(E) Second Initial Flow	<u>14</u>	☐ Hourly Standby				T-Out	<u>06:35</u>
(F) Second Final Flow	<u>14</u>	☒ Mileage	<u>30 RT = 37.50</u>			Comments	
(G) Final Shut-In	<u>23</u>	☐ Sampler					
(H) Final Hydrostatic	<u>2080</u>	☐ Straddle				☐ Ruined Shale Packer	

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

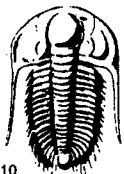
☐ Shale Packer
☐ Extra Packer
☐ Extra Recorder
☐ Day Standby
☐ Accessibility
Sub Total 1587.50

☐ Ruined Packer
☐ Extra Copies
Sub Total Ø
Total 1587.50
MP/DST Disc't

Approved By Vern C Schrag

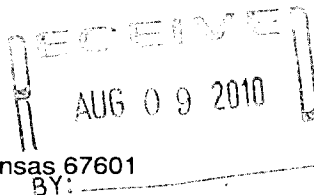
Our Representative Mike Roberts

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P.O. Box 1733 • Hays, Kansas 67601



Test Ticket

NO. 039175

Well Name & No. HARRIS #1-20 Test No. 6 Date 8-5-10
 Company LARSON ENGINEERING Elevation 2904 KB 2897 GL
 Address 562 W. State Rd 4 Olathe KS 67564
 Co. Rep / Geo. VERN Schrag Rig HD#3
 Location: Sec. 20 Twp. 18S Rge. 30W Co. LANE State KS

Interval Tested 4333-4388 Zone Tested Marmaton
 Anchor Length 55' Drill Pipe Run 4211 Mud Wt. 9.1
 Top Packer Depth 4328 Drill Collars Run 119 Vis 47
 Bottom Packer Depth 4333 Wt. Pipe Run Ø WL 7.2
 Total Depth 4388 Chlorides 1800 ppm System LCM 1
 Blow Description IF! BOB in 3 Min.

IS: Bled off - Return Blow in 1 Min Built to BOB in 10 Min

FF: BOB in 2 Min

FS: Bled off - Return Blow in 2 Min Built to BOB in 7 Min

Rec	Feet of	%gas	%oil	%water	%mud
<u>310</u>	<u>mcgo</u>	<u>30</u>	<u>65</u>	<u>5</u>	<u>5</u>
<u>620</u>	<u>mcgo</u>	<u>40</u>	<u>55</u>	<u>5</u>	<u>5</u>
<u>186</u>	<u>mcgo</u>	<u>20</u>	<u>75</u>	<u>5</u>	<u>5</u>
<u>370</u>	<u>mcgo</u>	<u>30</u>	<u>50</u>	<u>20</u>	<u>5</u>
<u>0</u>	<u>GIP = 2232</u>				

Rec Total 1488 BHT 124 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2149
 (B) First Initial Flow 150
 (C) First Final Flow 312
 (D) Initial Shut-In 962
 (E) Second Initial Flow 319
 (F) Second Final Flow 578
 (G) Final Shut-In 957
 (H) Final Hydrostatic 2149

☒ Test 1225.00
☒ Jars 250.00
☒ Safety Joint 75.00
☒ Circ Sub _____
☐ Hourly Standby _____
☒ Mileage 30 RT = 37.50
☐ Sampler _____
☐ Straddle _____
☒ Shale Packer 250.00
☐ Extra Packer _____
☐ Extra Recorder _____
☐ Day Standby _____
☐ Accessibility _____
 Sub Total 1837.50

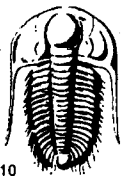
T-On Location 19:35
 T-Started 21:20
 T-Open 22:37
 T-Pulled 01:52
 T-Out 06:10
 Comments _____
☐ Ruined Shale Packer _____
☐ Ruined Packer _____
☐ Extra Copies _____
 Sub Total Ø
 Total 1837.50
 MP/DST Disc't _____

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

Approved By Vernon C. Schrag

Our Representative Mike Roberts

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
AUG 11 2010
BY: _____

Test Ticket

NO. 039701

Well Name & No. HARRIS # 1-20 Test No. 7 Date 8-7-10
 Company LARSON ENGINEERING Elevation 2904 KB 2897 GL
 Address 562 W. State Rd 4 Olmitz KS 67564
 Co. Rep / Geo. VERN Schrag Rig HD#3
 Location: Sec. 20 Twp. 18S Rge. 30W Co. Lane State KS

Interval Tested 4461 - 4571 Zone Tested Cherokee
 Anchor Length 110' Drill Pipe Run 4339 Mud Wt. 9.2
 Top Packer Depth 4456 Drill Collars Run 119 Vis 56
 Bottom Packer Depth 4461 Wt. Pipe Run Ø WL 7.2
 Total Depth 4571 Chlorides 1800 ppm System LCM 1

Blow Description IF: Built to 1" Blow
IS: No Return Blow
FF: Built to 1/2 Blow GIP = 0
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>70</u>	<u>OCM</u>	<u>20</u>		<u>80</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 70 BHT 124 Gravity N/A API RW @ °F Chlorides _____ ppm
 (A) Initial Hydrostatic 2249 ☒ Test 1225.00 T-On Location 05:10
 (B) First Initial Flow 55 ☒ Jars 250.00 T-Started 06:18
 (C) First Final Flow 66 ☒ Safety Joint 75.00 T-Open 08:27
 (D) Initial Shut-In 866 ☒ Circ Sub N/C T-Pulled 10:42
 (E) Second Initial Flow 73 ☐ Hourly Standby _____ T-Out 12:55 pm
 (F) Second Final Flow 81 ☒ Mileage 30 RT = 37.5% Comments _____
 (G) Final Shut-In 1060 ☐ Sampler _____
 (H) Final Hydrostatic 2212 ☐ Straddle _____
☒ Shale Packer 250.00 ☐ Ruined Shale Packer _____
☐ Extra Packer _____ ☐ Ruined Packer _____
☐ Extra Recorder _____ ☐ Extra Copies _____

Initial Open 15
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 60
 Sub Total 1937.50
 Approved By Vern Schrag Our Representative Mike Roberts
 Sub Total _____
 Total _____
 MP/DST Disc't _____

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