

TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 042906 15935

Well Name & No. Krug #1 Test No. 1 Date 6-22-11
 Company Hartman Oil Co. Inc Elevation 3151 KB 3140 GL
 Address 10500 E Berkeley SQ PKWY STE100 Wichita, KS 67206
 Co. Rep / Geo. Derek Patterson Rig H2 #2
 Location: Sec. 14 Twp. 10s Rge. 33w Co. Thomas State KS

Interval Tested 4298-4335 Zone Tested LKC "K"
 Anchor Length 37 Drill Pipe Run 4051 Mud Wt. 9.3
 Top Packer Depth 4293 Drill Collars Run 243 Vis 57
 Bottom Packer Depth 4298 Wt. Pipe Run - WL 8.0
 Total Depth 4335 Chlorides 3200 ppm System LCM 2

Blow Description IF: Weak surface blow, dead after 3 min.

ISI: No blowback

FF: No blow

FSI: No blowback

Rec	Feet of	%gas	%oil	%water	%mud
<u>2</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	Feet of	%gas	%oil	%water	%mud

Rec Total 2 BHT 123 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic 2138
 (B) First Initial Flow 19
 (C) First Final Flow 20
 (D) Initial Shut-In 27
 (E) Second Initial Flow 19
 (F) Second Final Flow 21
 (G) Final Shut-In 25
 (H) Final Hydrostatic 2114

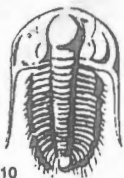
☐ Test * 1225'
☐ Jars * 250'
☐ Safety Joint * 75'
☒ Circ Sub * NA
☒ Hourly Standby
☐ Mileage 132 RT 184.80
☒ Sampler
☒ Straddle
☒ Shale Packer
☒ Extra Packer
☒ Extra Recorder
☒ Day Standby
☐ Accessibility * 150'
 Sub Total 1734.80

T-On Location 8:40
 T-Started 9:30
 T-Open 12:08
 T-Pulled 14:09
 T-Out 16:10
 Comments
☒ Ruined Shale Packer
☒ Ruined Packer
☒ Extra Copies
 Sub Total 150
 Total 1884.80
 MP/DST Disc't

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

Approved By Derek Patterson

Our Representative Sammy Winkler



**TRILOBITE
TESTING INC.**

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Test Ticket

NO. 042907

Well Name & No. Krug #1 Test No. 2 Date 6-23-11
 Company Hartman Oil Co. Inc. Elevation 3151 KB 3141 GL
 Address 10500 E Berkeley SQ PKWY STE 100 Wichita, KS 67206
 Co. Rep / Geo. Derek Patterson Rig H2 #2
 Location: Sec. 14 Twp. 10s Rge. 33w Co. Thomas State KS

Interval Tested 4522 - 4553 Zone Tested Ft Scott
 Anchor Length 31 Drill Pipe Run 4270 Mud Wt. 9.2
 Top Packer Depth 4517 Drill Collars Run 243 Vis 54
 Bottom Packer Depth 4522 Wt. Pipe Run - WL 7.2
 Total Depth 4553 Chlorides 1300 ppm System LCM 3

Blow Description IF: Blow built to BOB (11") in 4 1/2 min.
ISI: Blowback built to 8 1/2"
FF: Blow built to BOB in 4 1/2 min.

(Bled off at 4 min) FST: Blowback built to BOB in 17 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>70</u>	<u>60</u>	<u>35</u>	<u>64</u>	<u>-</u>	<u>1</u>
<u>72</u>	<u>6MCO</u>	<u>53</u>	<u>30</u>	<u>-</u>	<u>17</u>
<u>120</u>	<u>SW/6MCO</u>	<u>12</u>	<u>57</u>	<u>1</u>	<u>30</u>
<u>60</u>	<u>GWOCM</u>	<u>50</u>	<u>13</u>	<u>5</u>	<u>32</u>
<u>63</u>	<u>50/GWM</u>	<u>14</u>	<u>2</u>	<u>38</u>	<u>46</u>

Rec Total 385 Fluid 1660 BHT 132 Gravity 38.8 API RW .163 @ 67.5 °F Chlorides 50,000 ppm

(A) Initial Hydrostatic 2185
 (B) First Initial Flow 63
 (C) First Final Flow 116
 (D) Initial Shut-In 1108
 (E) Second Initial Flow 132
 (F) Second Final Flow 158
 (G) Final Shut-In 1096
 (H) Final Hydrostatic 2177

Initial Open 30
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 60

☐ Test * 1225
☐ Jars * 250
☐ Safety Joint * 45
☒ Circ Sub * NA
☒ Hourly Standby
☐ Mileage 132RT 184.80
☒ Sampler
☒ Straddle
☒ Shale Packer
☒ Extra Packer
☒ Extra Recorder
☒ Day Standby
☐ Accessibility * 150
 Sub Total 1734.80

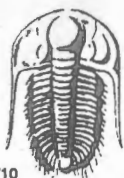
T-On Location 16:30
 T-Started 16:52
 T-Open 18:58
 T-Pulled 21:59
 T-Out 1:05

Comments
☒ Ruined Shale Packer
☒ Ruined Packer
☒ Extra Copies
 Sub Total 155
 Total 1884.80
 MP/DST Disc't

Approved By Derek Patterson

Our Representative James W. White

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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Test Ticket

NO. 042908

JUN 29 2011

Well Name & No. Krug #1 Test No. 3 Date 6-24-11
 Company Hartman Oil Co. Inc Elevation 3151 KB 3141 GL
 Address 10500 E Berkeley SQ PKWY STE 100 Wichita, KS 67206
 Co. Rep / Geo. Derek Patterson Rig H 2 #2
 Location: Sec. 14 Twp. 10s Rge. 33w Co. Thomas State KS

Interval Tested 4605 - 4659 Zone Tested Johnson
 Anchor Length 54 Drill Pipe Run 4363 Mud Wt. 9.3
 Top Packer Depth 4600 Drill Collars Run 243 Vis 53
 Bottom Packer Depth 4605 Wt. Pipe Run - WL 8.0
 Total Depth 4659 Chlorides 2000 ppm System LCM 3

Blow Description IF: Weak Surface blow, dead at 6 min.
ISI: No blowback
FF: No blow
FSI: No blowback

Rec	Feet of	%gas	%oil	%water	%mud
<u>40</u>	<u>50cm</u>	<u>1</u>	<u>5</u>	<u>-</u>	<u>94</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 40 BHT 129 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic 2268
 (B) First Initial Flow 20
 (C) First Final Flow 26
 (D) Initial Shut-In 1061
 (E) Second Initial Flow 29
 (F) Second Final Flow 33
 (G) Final Shut-In 1026
 (H) Final Hydrostatic 2247

☐ Test * 1225
☐ Jars * 250
☐ Safety Joint * 75
☒ Circ Sub ANA
☒ Hourly Standby
☐ Mileage 132 RT 184.80
☒ Sampler
☒ Straddle
☒ Shale Packer
☒ Extra Packer
☒ Extra Recorder
☒ Day Standby
☐ Accessibility * 150
 Sub Total 1734.80

T-On Location 16:55
 T-Started 17:24
 T-Open 19:41
 T-Pulled 22:40
 T-Out 00:50
 Comments
☒ Ruined Shale Packer
☒ Ruined Packer
☒ Extra Copies
 Sub Total 150
 Total 1884.80
 MP/DST Disc't

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

Approved By Derek Patterson

Our Representative James N. Nicks

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