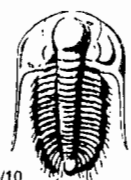


Credo Hartz 1-22-11

3



# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 04080. 15837

Well Name & No. Hartzfeld 1-22 Test No. 1 Date 5-16-11  
 Company Credo Petroleum Corporation Elevation 3287 KB 3282 GL  
 Address 1801 Broadway #900 Denver Co. 80202  
 Co. Rep / Geo. Bruce Ard Rig WW#2  
 Location: Sec. 22 Twp. 10S Rge. 35W Co. Thomas State KS

Interval Tested 4185 4245 Zone Tested LKC-C-D  
 Anchor Length 60 Drill Pipe Run 4066 Mud Wt. 9.1  
 Top Packer Depth 4180 Drill Collars Run 120 Vis 54  
 Bottom Packer Depth 4185 Wt. Pipe Run -0- WL 7.2  
 Total Depth 4245 Chlorides 4800 ppm System LCM 1#

Blow Description IF: Strong blow, Built to B.O.B in 3 mins.  
ISI: Blow died ~~within~~ 45 sec. After shutting tool in.  
FF: Strong blow, Built to B.O.B in 4 mins.  
FSI: ~~Blow~~ No blow back over 60 mins.

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>mud - 6 in free oil on top</u>				<u>100% mud</u>
<u>186</u>	<u>wcm -</u>			<u>20</u>	<u>80 % mud</u>
<u>186</u>	<u>wcm -</u>			<u>50</u>	<u>50 % mud</u>
<u>986</u>	<u>mcw -</u>			<u>90</u>	<u>10 % mud</u>
<u>    </u>	<u>    </u>				<u>    </u>

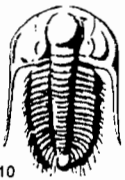
Rec Total 1368 BHT 123.87 Gravity      API RW .55 @50 °F Chlorides 22000 ppm

(A) Initial Hydrostatic <u>2112</u>	<input checked="" type="checkbox"/> Test <u>1225</u>	T-On Location <u>19:55</u>
(B) First Initial Flow <u>56</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>20:50</u>
(C) First Final Flow <u>384</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>23:26</u>
(D) Initial Shut-In <u>1156</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>2:05</u>
(E) Second Initial Flow <u>399</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>05:05</u>
(F) Second Final Flow <u>595</u>	<input checked="" type="checkbox"/> Mileage <u>25x2 = 150 x 1.40 = 210</u>	Comments
(G) Final Shut-In <u>1160</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2049</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer

Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Flow <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>1760</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1760</u>	

Approved By \_\_\_\_\_ Our Representative Chuck Kuyper

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

NO. 040807

Well Name & No. Hartzfeld 1-22 Test No. 2 Date 5-17-2011  
 Company Credo Petroleum Corporation Elevation 3287 KB 3282 GL  
 Address 1801 Broadway @ #900 Denver Co. 80202  
 Co. Rep / Geo. Bruce Ard Rig WW #2  
 Location: Sec. 22 Twp. 10S Rge. 35W Co. Thomas State Ks.

Interval Tested 4242 4398 Zone Tested LK2-E-J  
 Anchor Length 156 Drill Pipe Run 4102 Mud Wt. 9.2  
 Top Packer Depth 4237 Drill Collars Run 120 Vis 55  
 Bottom Packer Depth 4242 Wt. Pipe Run -0- WL 8.0  
 Total Depth 4398 Chlorides 5000 ppm System LCM 1-#

Blow Description IF: Fair blow, Built to B.O.B in 12 mins  
ISI: No blow back over 45 mins.  
FF: Fair blow, Built to B.O.B in 12 mins.  
FSI: No blow back over 60 mins.

Rec	Feet of	%gas	%oil	%water	%mud
<u>186</u>	<u>wcm</u>			<u>5</u>	<u>95</u>
<u>248</u>	<u>mcw</u>			<u>80</u>	<u>20</u>
<u>338</u>	<u>mcw</u>			<u>95</u>	<u>5</u>

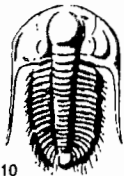
Rec Total 772 BHT 121.74 Gravity : API RW .2 @ 57 ° F Chlorides 46,000 ppm

(A) Initial Hydrostatic	<u>2128</u>	<input checked="" type="checkbox"/> Test	<u>1225</u>	T-On Location	<u>21:10</u>
(B) First Initial Flow	<u>35</u>	<input checked="" type="checkbox"/> Jars	<u>250</u>	T-Started	<u>21:35</u>
(C) First Final Flow	<u>209</u>	<input checked="" type="checkbox"/> Safety Joint	<u>75</u>	T-Open	<u>23:58</u>
(D) Initial Shut-In	<u>1263</u>	<input type="checkbox"/> Circ Sub		T-Pulled	<u>3:05</u>
(E) Second Initial Flow	<u>210</u>	<input type="checkbox"/> Hourly Standby		T-Out	<u>5:24</u>
(F) Second Final Flow	<u>402</u>	<input checked="" type="checkbox"/> Mileage	<u>75 x 2 = 150 x 1.40 = 210</u>	Comments	
(G) Final Shut-In	<u>1263</u>	<input type="checkbox"/> Sampler			
(H) Final Hydrostatic	<u>2059</u>	<input type="checkbox"/> Straddle		<input type="checkbox"/> Ruined Shale Packer	

Initial Open	<u>30</u>	<input type="checkbox"/> Shale Packer		<input type="checkbox"/> Ruined Packer	
Initial Shut-In	<u>45</u>	<input type="checkbox"/> Extra Packer		<input type="checkbox"/> Extra Copies	
Final Flow	<u>45</u>	<input type="checkbox"/> Extra Recorder		Sub Total	<u>0</u>
Final Shut-In	<u>60</u>	<input type="checkbox"/> Day Standby		Total	<u>1760</u>
		<input type="checkbox"/> Accessibility		MP/DST Disc't	
		Sub Total	<u>1760</u>		

Approved By \_\_\_\_\_ Our Representative Chuck [Signature]

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# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 040811

4/10

Well Name & No. Hartzfeld 1-22 Test No. 3 Date 5/18/2011  
 Company Credo Petroleum Corporation Elevation 3287 KB 3282 GL  
 Address 1801 Broadway #900 Denver Co. 80202  
 Co. Rep / Geo. Bruce Ard Rig WW#2  
 Location: Sec. 22 Twp. 10S Rge. 3SW Co. Thomas State Ks.

Interval Tested 4398 4495 Zone Tested LEATH - Marm.  
 Anchor Length 97 Drill Pipe Run 4256 Mud Wt. 9.2  
 Top Packer Depth 4393 Drill Collars Run 120 Vis 55  
 Bottom Packer Depth 4398 Wt. Pipe Run -0- WL 8.8  
 Total Depth 4495 Chlorides 5,800 ppm System LCM 1#

Blow Description IF: weak blow, built to 7 in. over 30 mins.  
ISI: Blow back after 15 mins. Built to surface over 45 mins.  
FF: Weak blow, Built to 7 in. over 30 mins.  
FST: NO blow back over 60 mins.

Rec	Feet of	%gas	%oil	%water	%mud
<u>40060</u>	<u>WCM</u>			<u>5</u>	<u>95</u>
<u>120</u>	<u>WCM</u>			<u>25</u>	<u>75</u>
<u>120</u>	<u>WCM</u>			<u>40</u>	<u>60</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

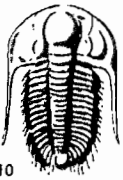
Rec Total 300 BHT 118.7 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2223  Test 1225 T-On Location 19:30  
 (B) First Initial Flow 23  Jars 250 T-Started 20:15  
 (C) First Final Flow 115  Safety Joint 75 T-Open 22:26  
 (D) Initial Shut-In 1323  Circ Sub \_\_\_\_\_ T-Pulled 1:03  
 (E) Second Initial Flow 113  Hourly Standby \_\_\_\_\_ T-Out 3:18  
 (F) Second Final Flow 180  Mileage 150RT 210 Comments \_\_\_\_\_  
 (G) Final Shut-In 1299  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2124  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_ Sub Total 0  
 Day Standby \_\_\_\_\_ Total 1760  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1760

Approved By \_\_\_\_\_

Our Representative Chuck [Signature]

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# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 040811

MAY 28 2011

Well Name & No. Hartzfeld 1-22 Test No. 4 Date 5-19-2011  
 Company Credo Petroleum Corporation Elevation 3287 KB 3282 GL  
 Address 1801 Broadway # 900 Denver Co. 80202  
 Co. Rep / Geo. Bruce Ard Rig WW # 2  
 Location: Sec. 22 Twp. 10S Rge. 35W Co. Thomas State KS

Interval Tested 4463 4650 Zone Tested Mary - Ft St.  
 Anchor Length 157 Drill Pipe Run 4349 Mud Wt. 9.2  
 Top Packer Depth 4488 Drill Collars Run 120 Vis 55  
 Bottom Packer Depth 4493 Wt. Pipe Run - 0 - WL 7.6  
 Total Depth 4650 Chlorides 4,500 ppm System LCM 1#

Blow Description FF: weak blow, Died in 15 mins.  
ISI: No blow back over 30 mins.  
FF: No blow over 30 mins.  
FSI: No blow back over 30 mins.

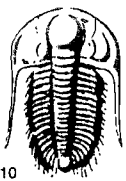
Rec	Feet of	%gas	%oil	%water	%mud
10	Mud				

Rec Total 10 BHT 116.7 Gravity  API RW  @  ° F Chlorides  ppm

(A) Initial Hydrostatic <u>2299</u>	<input checked="" type="checkbox"/> Test <u>1225</u>	T-On Location <u>20:40</u>
(B) First Initial Flow <u>25</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>21:30</u>
(C) First Final Flow <u>30</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>23:30</u>
(D) Initial Shut-In <u>426</u>	<input type="checkbox"/> Circ Sub <u></u>	T-Pulled <u>1:40</u>
(E) Second Initial Flow <u>376</u>	<input type="checkbox"/> Hourly Standby <u></u>	T-Out <u>4:48</u>
(F) Second Final Flow <u>681</u>	<input checked="" type="checkbox"/> Mileage <u>75 x 2 = 150 x 1.40 = 210</u>	Comments <u></u>
(G) Final Shut-In <u>585</u>	<input type="checkbox"/> Sampler <u></u>	
(H) Final Hydrostatic <u>2191</u>	<input type="checkbox"/> Straddle <u></u>	<input type="checkbox"/> Ruined Shale Packer <u></u>
	<input type="checkbox"/> Shale Packer <u></u>	<input type="checkbox"/> Ruined Packer <u></u>
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer <u></u>	<input type="checkbox"/> Extra Copies <u></u>
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Recorder <u></u>	Sub Total <u>0</u>
Final Flow <u>30</u>	<input type="checkbox"/> Day Standby <u></u>	Total <u>1760</u>
Final Shut-In <u>45</u>	<input type="checkbox"/> Accessibility <u></u>	MP/DST Disc't <u></u>
	Sub Total <u>1760</u>	

Approved By \_\_\_\_\_ Our Representative Chuck Key

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# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 04081

Well Name & No. Hartzfeld # 1-22 Test No. 5 Date 5-20-2011  
 Company Credo Petroleum Corp. Elevation 3287 KB 3282 GL  
 Address 1201 Broadway # 900 Denver Co. 80202  
 Co. Rep / Geo. Bruce Ard Rig WV#2  
 Location: Sec. 22 Twp. 10S Rge. 35W Co. Thomas State KS

Interval Tested 4724 4764 Zone Tested Johnson  
 Anchor Length 40 Drill Pipe Run 4596 Mud Wt. 9.2  
 Top Packer Depth 4714 Drill Collars Run 120 Vis 52  
 Bottom Packer Depth 4724 Wt. Pipe Run -0- WL 8.8  
 Total Depth 4764 Chlorides 5000 ppm System LCM 1#

Blow Description I.F.: weak blow, pack tried in 22 mins.  
ISI: No blow back over 30 mins.  
FF: No blow over 30 mins.  
FSI: No blow back over 45 mins.

Rec	Feet of	%gas	%oil	%water	%mud
<u>8</u>	<u>mud</u>			<u>100</u>	

Rec Total 8 BHT 121.63 Gravity API RW @ °F Chlorides ppm

(A) Initial Hydrostatic <u>2914</u>	<input checked="" type="checkbox"/> Test <u>1225</u>	T-On Location <u>20:10</u>
(B) First Initial Flow <u>20</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>20:50</u>
(C) First Final Flow <u>21</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>22:34</u>
(D) Initial Shut-In <u>126</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>1:00</u>
(E) Second Initial Flow <u>21</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>3:35</u>
(F) Second Final Flow <u>23</u>	<input checked="" type="checkbox"/> Mileage <u>75x2 = 150x1.40 = 210</u>	Comments
(G) Final Shut-In <u>316</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2439</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Flow <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>1760</u>
Final Shut-In <u>45</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1760</u>	

Approved By \_\_\_\_\_ Our Representative Chet [Signature]

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