

TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket 15551

NO. 041797

4/10

Well Name & No. Riffel-1 Test No. Dst #1 Date 3-17-11
 Company Brinker Elevation 2128 KB 2133 GL
 Address 216 S. Marshall St. Glen Elder KS, 67446
 Co. Rep / Geo. Mark Torr Rig WW6
 Location: Sec. 1 Twp. 7 Rge. 20 Co. Rocks State KS

Interval Tested 3309-3343 Zone Tested Toronto
 Anchor Length 34' Drill Pipe Run 3186 Mud Wt. 8.9
 Top Packer Depth 3304 Drill Collars Run 124' Vis 48
 Bottom Packer Depth 3309 Wt. Pipe Run WL 6.8
 Total Depth 3343 Chlorides 1000 ppm System LCM

Blow Description IFP- BOB 15 min
ISI- no blow back 10 min - sur blow back died 5 min
FFP- BOB 27 min
FSI- no blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>45</u>	<u>Free Oil</u>		<u>95</u>		<u>5</u>
<u>60</u>	<u>O+WCM</u>		<u>10</u>	<u>20</u>	<u>70</u>
<u>125</u>	<u>SGO+WCM</u>	<u>10</u>	<u>5</u>	<u>35</u>	<u>50</u>
<u>125</u>	<u>MW</u>			<u>95</u>	<u>5</u>

Rec Total 355 BHT 105 Gravity 35 API RW, 122 @ 49 ° F Chlorides 100,000 ppm

(A) Initial Hydrostatic 1621 Test 1125' T-On Location 17:30
 (B) First Initial Flow 34 Jars T-Started 1858
 (C) First Final Flow 121 Safety Joint T-Open 2010
 (D) Initial Shut-In 317 Circ Sub T-Pulled 2310
 (E) Second Initial Flow 136 Hourly Standby T-Out 0053
 (F) Second Final Flow 180 Mileage 128 rt 160' Comments _____
 (G) Final Shut-In 311 Sampler _____
 (H) Final Hydrostatic 1571 Straddle _____ Ruined Shale Packer _____

Initial Open 45 Shale Packer _____ Ruined Packer _____
 Initial Shut-In 45 Extra Packer _____ Extra Copies _____
 Final Flow 45 Extra Recorder _____ Sub Total 0
 Final Shut-In 45 Day Standby _____ Total 1285'
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1285'

Approved By _____ Our Representative Cody Obedorn / Brian Finkler

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

Test Ticket

NO. 041798

Well Name & No. Riffe 1-1 Test No. 2 Date 3-18-11
 Company Brinker Elevation 2128 KB 2133 GL
 Address 216 S. Marshall St. Glen elder KS, 67446
 Co. Rep / Geo. Mark Torr Rig WW6
 Location: Sec. 1 Twp. 7 Rge. 20 Co. Rooks State KS

Interval Tested 3377-3425 Zone Tested LKC "C-O"
 Anchor Length 45' Drill Pipe Run 3247 Mud Wt. 9.1
 Top Packer Depth 3377 3372 Drill Collars Run 24' Vis 56
 Bottom Packer Depth 3377 Wt. Pipe Run - WL 7.4
 Total Depth 3425 Chlorides 1600 ppm System LCM
 Blow Description I FP - weak sur blow - died 18 min
ISI - no blow back
FFP - weak sur blow - died 5 min
FSI - no blow back

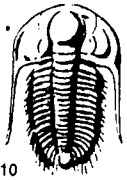
Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>mud</u>				<u>100</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

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

(A) Initial Hydrostatic <u>1657</u>	<input checked="" type="checkbox"/> <u>Test 1125'</u>	T-On Location <u>11:38</u>
(B) First Initial Flow <u>43</u>	<input type="checkbox"/> Jars	T-Started <u>12:06</u>
(C) First Final Flow <u>41</u>	<input type="checkbox"/> Safety Joint	T-Open <u>13:48</u>
(D) Initial Shut-In <u>569</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>15:18</u>
(E) Second Initial Flow <u>44</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>16:28</u>
(F) Second Final Flow <u>43</u>	<input checked="" type="checkbox"/> <u>Mileage 128RT 160'</u>	Comments _____
(G) Final Shut-In <u>469</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1609</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>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>15</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>15</u>	<input type="checkbox"/> Day Standby	Total <u>1285'</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't _____
	Sub Total <u>1285'</u>	

Approved By _____ Our Representative Cody Blodorn / Brian Farnach

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Test Ticket

NO. 041797

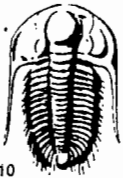
Well Name & No. Riffe 1-1 Test No. 3 Date 3-18-11
 Company Brinker Elevation 2128 KB 2133 GL
 Address _____
 Co. Rep / Geo. Mark Torr Rig W W 6
 Location: Sec. 1 Twp. 7 Rge. 20 Co. Rooks State KS

Interval Tested 3416-3433 Zone Tested LKE "E"
 Anchor Length 17' Drill Pipe Run 3278 Mud Wt. 9.1
 Top Packer Depth 3411 Drill Collars Run 124 Vis 56
 Bottom Packer Depth 3416 Wt. Pipe Run _____ WL 7.6
 Total Depth 3433 Chlorides 1600 ppm System LCM 1600
 Blow Description IFP - weak blow throughout 14"-1"
ISI - no blow back
FFP - no blow
FSI no blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>65</u>	<u>MW</u>			<u>50</u>	<u>50</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 65 BHT Gravity _____ API RW 265@ 39 °F Chlorides 53.000 ppm
 (A) Initial Hydrostatic 1690 Test 1125 T-On Location ~~913~~ 2113
 (B) First Initial Flow 25 Jars T-Started ~~913~~ 2133
 (C) First Final Flow 42 Safety Joint T-Open 2307
 (D) Initial Shut-In 596 Circ Sub T-Pulled 0307
 (E) Second Initial Flow 46 Hourly Standby T-Out 04:23
 (F) Second Final Flow 61 Mileage 128RT 1100 Comments _____
 (G) Final Shut-In 587 Sampler _____
 (H) Final Hydrostatic 1624 Straddle _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Initial Open 60 Shale Packer _____
 Initial Shut-In 60 Extra Packer _____
 Final Flow 60 Extra Recorder _____ Sub Total 0
 Final Shut-In 60 Day Standby _____ Total 1285
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1285

Approved By _____ Our Representative Cody Bledem / Brian Felt
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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 041800

4/10

Well Name & No. Riffe 1-1 Test No. 4 Date 3-19-11
 Company Brinker Elevation 2128 KB 2133 GL
 Address _____
 Co. Rep / Geo. Mark Torr Rig ww6
 Location: Sec. 1 Twp. 7 Rge. 20 Co. Rooks State KS

Interval Tested 3487 - 3530 Zone Tested LKC "I-J"
 Anchor Length 43' Drill Pipe Run 3371 Mud Wt. 9.2
 Top Packer Depth 3482 Drill Collars Run 124' Vis 51
 Bottom Packer Depth 3487 Wt. Pipe Run 0 WL 8.0
 Total Depth 3530 Chlorides 1700 ppm System LCM _____

Blow Description IFP - BOB 46 min
ISI - no blow back
FFP - no blow 6 min - built to 8"
FSE - no blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>1</u>	<u>USO&MCW</u>	<u>5</u>	<u>65</u>	<u>30</u>	<u></u>
<u>274</u>	<u>MW</u>	<u></u>	<u>60</u>	<u>40</u>	<u></u>
<u>15</u>	<u>Mud</u>	<u></u>	<u></u>	<u>100</u>	<u></u>
____	____	____	____	____	____
____	____	____	____	____	____

Rec Total 290 BHT 108 Gravity _____ API RW .130 @ 52 °F Chlorides 92,000 ppm
 (A) Initial Hydrostatic 1740 Test 1125 T-On Location 1442
 (B) First Initial Flow 19 Jars _____ T-Started 1632
 (C) First Final Flow 106 Safety Joint _____ T-Open 1820
 (D) Initial Shut-In 807 Circ Sub _____ T-Pulled 2220
 (E) Second Initial Flow 108 Hourly Standby _____ T-Out 23:50
 (F) Second Final Flow 152 Mileage 128 RT 100 Comments _____
 (G) Final Shut-In 793 Sampler _____
 (H) Final Hydrostatic 1673 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 60
 Initial Shut-In 60
 Final Flow 60
 Final Shut-In 60
 Sub Total _____
 Total _____
 MP/DST Disc't _____
 Sub Total _____

Approved By _____ Our Representative Cody Bloeborn / Brian Faise
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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 041851

4/10

Well Name & No. Riffe 1-1 Test No. 5 Date 3-20-11
 Company Brinker Elevation 2128 KB 2133 GL
 Address _____
 Co. Rep / Geo. Mark Torr Rig WW6
 Location: Sec. 1 Twp. 7 Rge. 20 Co. Rooks State KS

Interval Tested 3594 - 3610 Zone Tested arbutkie
 Anchor Length 16' Drill Pipe Run 3467 Mud Wt. 9.2
 Top Packer Depth 3589 Drill Collars Run 124 Vis 59
 Bottom Packer Depth 3594 Wt. Pipe Run 0 WL 8.0
 Total Depth 3610 Chlorides 1900 ppm System LCM _____

Blow Description I&P - weak blow throughout sur - 1"
ISI - no blow back
FFP - sur blow - died 11 min
FSI - no blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>Free oil</u>	<u>95</u>		<u>5</u>	
<u>5</u>	<u>SOCM</u>	<u>5</u>		<u>95</u>	
<u>60</u>	<u>GIP</u>				

Rec Total 25 BHT _____ Gravity 29 API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic	<u>1827</u>	<input checked="" type="checkbox"/> Test	<u>1125</u>	T-On Location	<u>10:15</u>
(B) First Initial Flow	<u>30</u>	<input type="checkbox"/> Jars		T-Started	<u>10:34</u>
(C) First Final Flow	<u>31</u>	<input type="checkbox"/> Safety Joint		T-Open	<u>12:17</u>
(D) Initial Shut-In	<u>417</u>	<input type="checkbox"/> Circ Sub		T-Pulled	<u>14:17</u>
(E) Second Initial Flow	<u>37</u>	<input type="checkbox"/> Hourly Standby		T-Out	<u>15:42</u>
(F) Second Final Flow	<u>35</u>	<input checked="" type="checkbox"/> Mileage	<u>128RT 1100'</u>	Comments	
(G) Final Shut-In	<u>124</u>	<input type="checkbox"/> Sampler			
(H) Final Hydrostatic	<u>1773</u>	<input type="checkbox"/> Straddle		<input type="checkbox"/> Ruined Shale Packer	

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

Shale Packer
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility

Sub Total 1285'

Sub Total 1285'

MP/DST Disc't _____

Approved By _____ Our Representative Cody Bloodorn / Brian Fink

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P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 041852

4/10

Well Name & No. Riffe 1-1 Test No. 6 Date 3-20-11
 Company Brinker Elevation 2128 KB 2133 GL
 Address _____
 Co. Rep / Geo. Mark Torr Rig WW6
 Location: Sec. 1 Twp. 7 Rge. 20 Co. ROOKS State KS

Interval Tested 3609-3625 Zone Tested Arbuckle (2)
 Anchor Length 16' Drill Pipe Run 3498 Mud Wt. 9.2
 Top Packer Depth 3604 Drill Collars Run 124' Vis 59
 Bottom Packer Depth 3609 Wt. Pipe Run 0 WL 8.0
 Total Depth 3625 Chlorides 1900 ppm System LCM _____

Blow Description IFP - weak to Good blow 1/2" - 6 1/2"
ISI - no blow back
FFP - weak to fair blow sur - 4"
FSI - no blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>GIP</u>				
<u>110</u>	<u>Free oil</u>		<u>95</u>		<u>5</u>
<u>45</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 Total 155 BHT 106 Gravity 29 API RW @ _____ ° F Chlorides _____ ppm
 (A) Initial Hydrostatic 1843 Test 1125 T-On Location 20:30
 (B) First Initial Flow 36 Jars _____ T-Started 2105
 (C) First Final Flow 65 Safety Joint _____ T-Open 2244
 (D) Initial Shut-In 419 Circ Sub _____ T-Pulled 0244
 (E) Second Initial Flow 74 Hourly Standby _____ T-Out 0425
 (F) Second Final Flow 78 Mileage 128RT 1100 Comments _____
 (G) Final Shut-In 289 Sampler _____
 (H) Final Hydrostatic 1806 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 60
 Initial Shut-In 60
 Final Flow 60
 Final Shut-In 60
 Sub Total 1285
 MP/DST Disc't _____
 Sub Total 1285

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 041853

Well Name & No. Riffe 1-1 Test No. 7 Date 3-21-11
 Company Brinker Elevation ~~5000~~ 2128 KB ~~2133~~ 2133 GL
 Address _____
 Co. Rep / Geo. Mark Torr Rig WW6
 Location: Sec. 1 Twp. 7 Rge. 20 Co. Rocks State KS

Interval Tested 3624-3688 Zone Tested Arbuckle (3)
 Anchor Length 14' Drill Pipe Run 3498 Mud Wt. 9.1
 Top Packer Depth 3619 Drill Collars Run 124' Vis 53
 Bottom Packer Depth 3624 Wt. Pipe Run 0 WL 8.0
 Total Depth 3700 Chlorides 1800 ppm System LCM _____
 Blow Description IFP - weak blow throughout 4-2"
ISI - no blow back
FFP - no blow 10 min - sur blow
FSI - no blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>Free Oil</u>		<u>95</u>	<u>5</u>	
<u>55</u>	<u>HOCM</u>		<u>25</u>	<u>75</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 65 BHT 106 Gravity 30 API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1868 Test 1125' T-On Location 18:19
 (B) First Initial Flow 35 Jars _____ T-Started 18:42
 (C) First Final Flow 45 Safety Joint _____ T-Open 19:52
 (D) Initial Shut-In 360 Circ Sub _____ T-Pulled 22:02
 (E) Second Initial Flow 52 Hourly Standby _____ T-Out 23:42
 (F) Second Final Flow 53 Mileage 128 RT 100' Comments _____
 (G) Final Shut-In 215 Sampler _____
 (H) Final Hydrostatic 1803 Straddle 600' Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 8
 Day Standby _____ Total 1885'
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1885'

Approved By _____ Our Representative Cody Bloedorn / Brian Fark

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