

TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 45192 16145

AUG 09 2011

Well Name & No. Thomason-Maxfield Test No. 1 Date 8-4-11
 Company Rains & Williamson Oil CO, Inc Elevation 2301 KB 2306 GL
 Address 220 W Douglas STE 110, Wichita KS, 67202-3104
 Co. Rep / Geo. Scott Alburge Rig Murphy 16
 Location: Sec. 20 Twp. 10S Rge. 21 W Co. Graham State KS

Interval Tested 3528-3598 Zone Tested Lansing A
 Anchor Length 70' Drill Pipe Run 3477 Mud Wt. 8.7
 Top Packer Depth 3523 Drill Collars Run 31 Vis 66
 Bottom Packer Depth 3528 Wt. Pipe Run — WL 6.4
 Total Depth 3598 Chlorides 1,000 ppm System LCM

Blow Description IF - B.O.B in 16 Min.
ISI - No blow back
FF - B.O.B in 13 Min
FSI - Weak surface blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>62'</u>	<u>GOCM</u>	<u>5</u>	<u>20</u>	<u>75</u>	<u>—</u>
<u>129'</u>	<u>GHOCM</u>	<u>10</u>	<u>40</u>	<u>50</u>	<u>—</u>
<u>0</u>	<u>372' G.I.P.</u>				

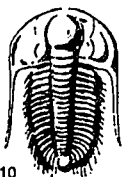
Rec Total 191' BHT Gravity API RW @ °F Chlorides ppm

(A) Initial Hydrostatic	<u>1707</u>	☒ Test	<u>1125</u>	T-On Location	<u>4:40 pm</u>
(B) First Initial Flow	<u>17</u>	☒ Jars	<u>250</u>	T-Started	<u>7:02 pm</u>
(C) First Final Flow	<u>54</u>	☒ Safety Joint	<u>75</u>	T-Open	<u>7:22 pm</u>
(D) Initial Shut-In	<u>397</u>	☐ Circ Sub		T-Pulled	<u>12:07 am</u>
(E) Second Initial Flow	<u>53</u>	☐ Hourly Standby		T-Out	<u>2:22 am</u>
(F) Second Final Flow	<u>95</u>	☒ Mileage	<u>46 X 2 92 RD 128</u>	Comments	<u>on bank @ 7:30, going into hole @ 8:15</u>
(G) Final Shut-In	<u>389</u>	☐ Sampler		☐ Ruined Shale Packer	
(H) Final Hydrostatic	<u>1682</u>	☐ Straddle		☐ Ruined Packer	

Initial Open	<u>30</u>	☐ Shale Packer		☐ Extra Copies	
Initial Shut-In	<u>45</u>	☐ Extra Packer		Sub Total	<u>0</u>
Final Flow	<u>45</u>	☐ Extra Recorder		Total	<u>1578.80</u>
Final Shut-In	<u>45</u>	☐ Day Standby		MP/DST Disc't	
		☐ Accessibility			
		Sub Total	<u>1578.80</u>		

Approved By _____ Our Representative Cody Bloedorn

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. 45193

AUG 09 2011

Well Name & No. Thomason - Maxfield 3^{BY} 20 Test No. 2 Date 8-5-11
 Company Rains & Williamson Oil CO INC. Elevation 2301 KB 2306 GL
 Address 220 W Douglas STE 110 Wichita KS, 67202-3104
 Co. Rep / Geo. Scott Alburge Rig Murphin 16
 Location: Sec. 20 Twp. 10S Rge. 21W Co. Graham State KS

Interval Tested 3690 - 3760 Zone Tested KC "H, I, J"
 Anchor Length 70' Drill Pipe Run 3643 Mud Wt. 8.9
 Top Packer Depth 3685 Drill Collars Run 31 Vis 51
 Bottom Packer Depth 3690 Wt. Pipe Run — WL 6.4
 Total Depth 3760 Chlorides 1500 ppm System LCM

Blow Description IF - 1/2" blow, died in 22 Min.
ISI - No blow back
FF - No blow back Flushed, very weak sur. blow, died in 1 Min.
FSI - No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>10'</u>	<u>M - Oil/Scum</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 10' BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic	<u>1791</u>	☒ Test	<u>1125</u>	T-On Location	<u>6:35 pm</u>
(B) First Initial Flow	<u>16</u>	☒ Jars	<u>250</u>	T-Started	<u>7:54 pm</u>
(C) First Final Flow	<u>18</u>	☒ Safety Joint	<u>75</u>	T-Open	<u>10:36 pm</u>
(D) Initial Shut-In	<u>359</u>	☐ Circ Sub		T-Pulled	<u>1:31 am</u>
(E) Second Initial Flow	<u>19</u>	☐ Hourly Standby		T-Out	<u>3:09 am</u>
(F) Second Final Flow	<u>24</u>	☒ Mileage	<u>46X2 92RT 128⁸⁰</u>	Comments	
(G) Final Shut-In	<u>375</u>	☐ Sampler			
(H) Final Hydrostatic	<u>1774</u>	☐ Straddle		☐ Ruined Shale Packer	

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

☐ Shale Packer
☐ Extra Packer
☐ Extra Recorder
☐ Day Standby
☐ Accessibility

Sub Total 1578.80

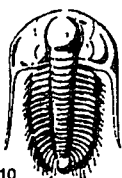
MP/DST Disc't _____

Approved By _____

Our Representative

Cody Bleedorn

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

RECEIVED
AUG 09 2011

Test Ticket

NO. 45194

Well Name & No. Thomason - Maxfield 3-20 Test No. 3 Date 8-6-11
 Company Rains & Williamson Oil CO INC. Elevation 2301 KB 2306 GL
 Address 220 W Douglas STE 110 Wichita KS, 67202-3104
 Co. Rep / Geo. Jim Musgrove Rig Murphy 16
 Location: Sec. 20 Twp. 10s Rge. 21w Co. Graham State KS

Interval Tested 3867-3919 Zone Tested _____
 Anchor Length 52' Drill Pipe Run 3833 Mud Wt. 9.0
 Top Packer Depth 3862 Drill Collars Run 31 Vis 6.8
 Bottom Packer Depth 3867 Wt. Pipe Run — WL 6.8
 Total Depth 3919 Chlorides 1700 ppm System LCM _____

Blow Description IF- 3" blow
ISI- No blow back
FF- No blow back, waited 5 Min. Flushed tool, weak sur. blow
FSI- No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>62'</u>	<u>SOCM</u>	<u>10</u>	<u>10</u>	<u>90</u>	<u>10</u>
<u>10</u>	<u>Free oil</u>	<u>100</u>	<u>100</u>	<u>0</u>	<u>0</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 72' BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic	<u>1955</u>	☒ Test	<u>1125'</u>	T-On Location	<u>5:30 PM</u>
(B) First Initial Flow	<u>40</u>	☒ Jars	<u>250'</u>	T-Started	<u>6:02 PM</u>
(C) First Final Flow	<u>56</u>	☒ Safety Joint	<u>75'</u>	T-Open	<u>8:35 PM</u>
(D) Initial Shut-In	<u>488</u>	☐ Circ Sub		T-Pulled	<u>11:30 PM</u>
(E) Second Initial Flow	<u>60</u>	☐ Hourly Standby		T-Out	<u>137 am</u>
(F) Second Final Flow	<u>72</u>	☒ Mileage	<u>46 X 2 92 RT 128.80</u>	Comments	
(G) Final Shut-In	<u>502</u>	☐ Sampler			
(H) Final Hydrostatic	<u>1897</u>	☐ Straddle		☐ Ruined Shale Packer	

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

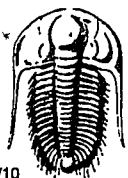
☐ Shale Packer
☐ Extra Packer
☐ Extra Recorder
☐ Day Standby
☐ Accessibility
☐ Ruined Packer
☐ Extra Copies
 Sub Total 0
 Total 1578.80
 MP/DST Disc't _____
 Sub Total 1578.80

Approved By _____

Our Representative

Cody Bloedorn

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

RECEIVED
AUG 09 2011

Test Ticket

NO. 45195

Well Name & No. Thomason-Maxfield 3-20 Test No. 4 Date 8-7-11
Company Rains & Williamson Oil CO INC, Elevation 2301 KB 2306 GL
Address 220 W Douglas STE 110 Wichita KS, 67202-3104
Co. Rep / Geo. Jim Musgrave Rig Murphin 16
Location: Sec. 20 Twp. 10s Rge. 21W Co. Graham State KS

Interval Tested 3867-3922 Zone Tested Arbuckle
Anchor Length 55' Drill Pipe Run ~~8078~~ 3833 Mud Wt. 9.0
Top Packer Depth 3862 Drill Collars Run 31 Vis 6.8
Bottom Packer Depth 3867 Wt. Pipe Run — WL 6.8
Total Depth 3922 Chlorides 1700 ppm System LCM —

Blow Description IF- 7 1/2" blow
ISI- No blow back
FF- 4" blow
FSI- No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>62</u>	<u>VSO CM</u>		<u>5</u>		<u>95</u>
<u>62</u>	<u>HOCM</u>		<u>40</u>		<u>60</u>
<u>31</u>	<u>Free oil</u>		<u>100</u>		

Rec Total 93' BHT 110 Gravity 24 API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 1943
(B) First Initial Flow 44
(C) First Final Flow 72
(D) Initial Shut-In 513
(E) Second Initial Flow 76
(F) Second Final Flow 91
(G) Final Shut-In 521
(H) Final Hydrostatic 1899

☒ Test 1125
☒ Jars 250
☒ Safety Joint 75
☐ Circ Sub
☐ Hourly Standby
☐ Mileage
☐ Sampler
☐ Straddle
☐ Shale Packer
☐ Extra Packer
☐ Extra Recorder
☐ Day Standby
☐ Accessibility
Sub Total 1450

T-On Location 7:40 am
T-Started 7:59 am
T-Open 10:26 am
T-Pulled 1:26 pm
T-Out 3:54 pm
Comments Stayed on location.

27 @ 90° Gravity = 24

☐ Ruined Shale Packer
☐ Ruined Packer

☐ Extra Copies

Sub Total 0

Total 1450

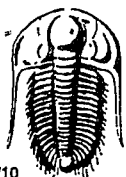
MP/DST Disc't —

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

Approved By —

Our Representative Cody Bloodorn

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

RECEIVE Test Ticket

AUG 09 2011

NO. 45196

4/10

Well Name & No. Thomason - Maxfield 3-20 Test No. 5 Date 8-7-11
 Company Rains & Williamson Oil Co. Inc Elevation 2301 KB 2306 GL
 Address 220 W Douglas STE 110 Wichita KS, 67202-3104
 Co. Rep / Geo. Jim Musgrove Rig Murphy 16
 Location: Sec. 20 Twp. 10S Rge. 21W Co. Graham State KS

Interval Tested 3867-3926 Zone Tested Arbuckle
 Anchor Length 59 Drill Pipe Run 3833 Mud Wt. 9.0
 Top Packer Depth 3862 Drill Collars Run 31 Vis 68
 Bottom Packer Depth 3867 Wt. Pipe Run — WL 6.8
 Total Depth 3926 Chlorides 1700 ppm System LCM
 Blow Description IF - Pack failure, pulled, tried to reseat, Packer Failure
ISI - * Pulled tool *
FF -
FSI -

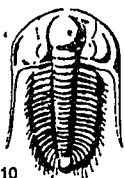
Rec	Feet of	%gas	%oil	%water	%mud
<u>341</u>	<u>Rig Mud</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec Total <u>341</u>	BHT	Gravity	API RW	@	F Chlorides ppm

(A) Initial Hydrostatic	☒ Test <u>925</u>	T-On Location <u>9:00 pm</u>
(B) First Initial Flow	☒ Jars <u>250</u>	T-Started <u>9:29 pm</u>
(C) First Final Flow	☒ Safety Joint <u>75</u>	T-Open <u>12:10 am</u>
(D) Initial Shut-In	☐ Circ Sub	T-Pulled <u>12:30 am</u>
(E) Second Initial Flow	☐ Hourly Standby <u>34hr 75</u>	T-Out <u>2:45 am</u>
(F) Second Final Flow	☒ Mileage <u>46X2 92Rt 128.80</u>	Comments
(G) Final Shut-In	☐ Sampler	
(H) Final Hydrostatic	☐ Straddle	☐ Ruined Shale Packer
Initial Open	☐ Shale Packer	☐ Ruined Packer
Initial Shut-In	☐ Extra Packer	☐ Extra Copies
Final Flow	☐ Extra Recorder	Sub Total <u>0</u>
Final Shut-In	☐ Day Standby	Total <u>1453.80</u>
	☐ Accessibility	MP/DST Disc't
	Sub Total <u>1453.80</u>	

Approved By _____

Our Representative Cody Blum

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

RECEIVED
AUG 09 2011

Test Ticket

NO. 45197

Well Name & No. Thomason-Maxfield 3-20 BY: Test No. 6 Date 8-8-11
Company Rains & Williamson Oil CO, INC. Elevation 2301 KB 2306 GL
Address 220 W Douglas STE 110 Wichita KS, 67601-3104
Co. Rep / Geo. Jim Musgrove Rig Murphree 16
Location: Sec. 20 Twp. 10s Rge. 21w Co. Graham State KS

Interval Tested 3918-3926 Zone Tested Arbuckle
Anchor Length 8' Drill Pipe Run 3864 Mud Wt. 9.0
Top Packer Depth 3913 Drill Collars Run 31 Vis 68
Bottom Packer Depth 3918 Wt. Pipe Run WL 6.8
Total Depth 3926 Chlorides 1700 ppm System LCM
Blow Description IF-B.O.B in 44 Min.
ISI-No blow back
FF-6" blow
FSI-

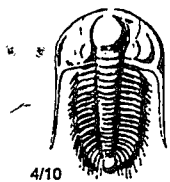
Rec	Feet of	%gas	%oil	%water	%mud
<u>62</u>	<u>OCMW</u>	<u>20</u>	<u>70</u>	<u>10</u>	<u> </u>
<u>124</u>	<u>40CMW</u>	<u>40</u>	<u>30</u>	<u>30</u>	<u> </u>
<u>31</u>	<u>MCOW</u>	<u>70</u>	<u>20</u>	<u>10</u>	<u> </u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 217' BHT Gravity API RW 20 @ 94 ° F Chlorides 25000 ppm
(A) Initial Hydrostatic 1996 ☒ Test 1125 T-On Location 8:40 am
(B) First Initial Flow 49 ☒ Jars 250 T-Started 8:44 am
(C) First Final Flow 74 ☒ Safety Joint 75 T-Open 10:37 am
(D) Initial Shut-In 521 ☐ Circ Sub T-Pulled 1:37 pm
(E) Second Initial Flow 77 ☐ Hourly Standby T-Out 3:44 pm
(F) Second Final Flow 112 ☒ Mileage 46 X 2 90 Rt 128.80 Comments
(G) Final Shut-In 525 ☐ Sampler
(H) Final Hydrostatic 1900 ☐ Straddle

Initial Open 45 ☐ Ruined Shale Packer
Initial Shut-In 30 ☐ Ruined Packer
Final Flow 45 ☐ Extra Packer
Final Shut-In 60 ☐ Extra Recorder Sub Total 0
☐ Day Standby Total 1578.80
☐ Accessibility MP/DST Disc't
Sub Total 1578.80

Approved By Our Representative Cody Black

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

AUG 11 2011

NO. 43780

Well Name & No. Thomason - Maxfield #3-20 Test No. 7 Date 8-9-11
Company Rains + Williamson Oil Co. Inc. Elevation 2306 KB 2301 GL
Address 220 W. Douglas STE 110 Wichita, KS 67202
Co. Rep / Geo. Jim Musgrove Rig Murfin #16
Location: Sec. 20 Twp. 10 S Rge. 21 W Co. Graham State KS

Interval Tested 3756 - 3777 Zone Tested Lans. "K"
Anchor Length 21' Anchor 146 Tail Drill Pipe Run 3610 Mud Wt. 9.1
Top Packer Depth 3751 - 3756 Drill Collars Run 149 Vis 73
Bottom Packer Depth 3777 Wt. Pipe Run - WL 7.2
Total Depth 3923 Chlorides 1700 ppm System LCM 2

Blow Description IF: Blow built to 1 1/4"
ISI: No blowback
FF: Blow started at 11 min., built to 1/4"
FSI: No blowback

Rec	Feet of	%gas	%oil	%water	%mud
<u>40</u>	<u>SWCM w/trace of oil</u>	<u>-</u>	<u>trace</u>	<u>5</u>	<u>95</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 111 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic 1866
(B) First Initial Flow 20
(C) First Final Flow 31
(D) Initial Shut-In 901
(E) Second Initial Flow 32
(F) Second Final Flow 40
(G) Final Shut-In 820
(H) Final Hydrostatic 1788

☐ Test * 1125
☐ Jars * 250
☐ Safety Joint * 75
☒ Circ Sub * NA
☒ Hourly Standby
☐ Mileage 92 RT 128.80
☒ Sampler
☐ Straddle * 600
☐ Shale Packer * 250
☒ Extra Packer
☒ Extra Recorder
☒ Day Standby
☒ Accessibility
Sub Total 2428.80

T-On Location 8-8 9:25 21:45
T-Started 22:48
T-Open 1:12
T-Pulled 3:44
T-Out 5:45

Comments

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

☒ Ruined Shale Packer
☒ Ruined Packer
☒ Extra Copies
Sub Total 0
Total 2428.80
MP/DST Disc't

Approved By

Our Representative James W. Miller

Trilobite Testing Inc. shall not be liable for damaged or 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.