



# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

13520

NO. 041725

Well Name & No. ~~HTD~~ Betty Thunder #8 Test No. 1 Date 3-15-11  
 Company H+M Petroleum Corporation Elevation 2541 KB 2536 GL  
 Address 13570 Meadowgrass Drive, Suite 101, Colorado Springs, CO, 80921  
 Co. Rep / Geo. Richard Hall Rig WW #10  
 Location: Sec. 31 Twp. 9s Rge. 24w Co. Cochran State KS

Interval Tested 3861 - 3877 Zone Tested Lansing 'A'  
 Anchor Length 16' Drill Pipe Run 3734 Mud Wt. 9.0  
 Top Packer Depth 3856 Drill Collars Run 125 Vis 74  
 Bottom Packer Depth 3861 Wt. Pipe Run 0 WL 6.8  
 Total Depth 3877 Chlorides 1400 ppm System LCM 1.0  
 Blow Description IFP - Weak Blow, 1" after 5 min. Dead after 20 min.

ISI - Dead  
 FFP - Dead  
 FSI - Dead

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

Full of pin  
 pipe, NO sub  
 Mud, in circ

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

(A) Initial Hydrostatic \_\_\_\_\_ Test \_\_\_\_\_ T-On Location 11:52  
 (B) First Initial Flow \_\_\_\_\_ Jars \_\_\_\_\_ T-Started 12:25  
 (C) First Final Flow \_\_\_\_\_ Safety Joint \_\_\_\_\_ T-Open 17:45  
 (D) Initial Shut-In \_\_\_\_\_ Circ Sub \_\_\_\_\_ T-Pulled 19:30  
 (E) Second Initial Flow \_\_\_\_\_ Hourly Standby \_\_\_\_\_ T-Out 21:13  
 (F) Second Final Flow \_\_\_\_\_ Mileage \_\_\_\_\_ Comments \_\_\_\_\_  
 (G) Final Shut-In \_\_\_\_\_ Sampler \_\_\_\_\_  
 (H) Final Hydrostatic \_\_\_\_\_ Straddle \_\_\_\_\_  
 \_\_\_\_\_ Shale Packer \_\_\_\_\_  
 \_\_\_\_\_ Extra Packer \_\_\_\_\_  
 \_\_\_\_\_ Extra Recorder \_\_\_\_\_  
 \_\_\_\_\_ Day Standby \_\_\_\_\_  
 \_\_\_\_\_ Accessibility \_\_\_\_\_

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

Sub Total \_\_\_\_\_ Total 8  
 MP/DST Disc't \_\_\_\_\_

Started in  
 @ 16:40  
 Halk @  
 bank @  
 on 21:15  
 about 4 1/2 hrs

Approved By \_\_\_\_\_ Our Representative Jason McLeeman  
 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.

Thank you



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## Test Ticket

NO. 042826

Well Name & No. Betty Thunder #8 Test No. 2 Date 3-15-11  
 Company H.M. Petroleum Corporation Elevation 2541 KB 2536 GL  
 Address 13570 Meadowgrass Drive, Suite 101, Colorado Springs, CO 80921  
 Co. Rep / Geo. Richard Hall Rig Whe #10  
 Location: Sec. 31 Twp. 9s Rge. 24w Co. Corralton State Ks

Interval Tested 3861-3877 Zone Tested Lansing A  
 Anchor Length 16' Drill Pipe Run 3734 Mud Wt. 9.0  
 Top Packer Depth 3856 Drill Collars Run 125 Vis 74  
 Bottom Packer Depth 3861 Wt. Pipe Run 2 WL 6.8  
 Total Depth 3877 Chlorides 1400 ppm System LCM 1.0

Blow Description I FP - Weak Surface Blow  
ISI - Dead

IFP - Flush tool, weak surface blow for 5 min.

ISI - Dead

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>Drilling 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 10 BHT 114° Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1965  Test 1125 T-On Location 21:13  
 (B) First Initial Flow 49  Jars \_\_\_\_\_ T-Started 21:13  
 (C) First Final Flow X  Safety Joint 75 T-Open 22:28  
 (D) Initial Shut-In 266  Circ Sub \_\_\_\_\_ T-Pulled 00:58  
 (E) Second Initial Flow 42  Hourly Standby \_\_\_\_\_ T-Out 2:40  
 (F) Second Final Flow X  Mileage 1200 150 Comments \_\_\_\_\_  
 (G) Final Shut-In 323  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1868  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_

Initial Open 30  Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Initial Shut-In 30  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Final Flow 30  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Final Shut-In 60  Day Standby \_\_\_\_\_ Total 1350  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1350

Approved By \_\_\_\_\_ Our Representative Jason McDaniel

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*Thank You*



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## Test Ticket

NO. 042821

Well Name & No. Betty Thunder #8 Test No. 3 Date 3-16-11  
 Company H & M Petroleum Corporation Elevation 2541 KB 2536 GL  
 Address 13570 Meadowgrass Drive, Suite 101, Colorado Springs, CO, 80921  
 Co. Rep / Geo. Richard Hall Rig WW #10  
 Location: Sec. 31 Twp. 9s Rge. 24w Co. Graham State Ks

Interval Tested 3884-3915 Zone Tested Lansing C-D  
 Anchor Length 31' Drill Pipe Run 3767 Mud Wt. 9.2  
 Top Packer Depth 3879 Drill Collars Run 125 Vis 55  
 Bottom Packer Depth 3884 Wt. Pipe Run 0 WL 7.2  
 Total Depth 3915 Chlorides 1500 ppm System LCM 1/2<sup>#</sup>  
 Blow Description IFP - Fair Blow, Built to 5"  
ISI - Dead  
FFP - Weak Blow, Built to 3"  
FSI - Dead

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Free Oil</u>				
<u>135'</u>	<u>VSOCLMW</u>		<u>5</u>	<u>55</u>	<u>40</u>

Rec Total 140 BHT 111° Gravity 40 API RW 143 @ 80° °F Chlorides 48,000 ppm

(A) Initial Hydrostatic 1906  Test 1125' T-On Location 10:08  
 (B) First Initial Flow 38  Jars \_\_\_\_\_ T-Started 10:33  
 (C) First Final Flow 66  Safety Joint 75' T-Open 11:59  
 (D) Initial Shut-In 254  Circ Sub \_\_\_\_\_ T-Pulled 15:14  
 (E) Second Initial Flow 70  Hourly Standby \_\_\_\_\_ T-Out 17:00  
 (F) Second Final Flow 83  Mileage 120RT 150' Comments \_\_\_\_\_  
 (G) Final Shut-In 280  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1904  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_  
 Sub Total 1350' MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Jean McJannet

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*Thank you*



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## Test Ticket

NO. 042828

Well Name & No. Betty Thunder #8 Test No. 4 Date 3-16-11  
 Company H&M Petroleum Corporation Elevation 2541 KB 2536 GL  
 Address 13570 Meadowgrass Drive, Suite 101, Colorado Springs, CO. 80921  
 Co. Rep / Geo. Richard Hall Rig WW #10  
 Location: Sec. 31 Twp. 9S Rge. 24W Co. Graham State KS.

Interval Tested 3926-3956 Zone Tested 'F'  
 Anchor Length 30 Drill Pipe Run 3796 Mud Wt. 9.2  
 Top Packer Depth 3921 Drill Collars Run 125 Vis 55  
 Bottom Packer Depth 3926 Wt. Pipe Run 0 WL 7.2  
 Total Depth 3956 Chlorides 1500 ppm System LCM 1/2 #  
 Blow Description IFP - Fair Blow, Built to 5 1/2"  
ISI - Dead  
FFP - Fair Blow, Built to 10"  
FSI - Dead

Rec	Feet of	%gas	%oil	%water	%mud
15	Free Oil				
70	SOCM		5		95
90	VSOCMW		1	69	30
Rec Total	175	BHT	114°	Gravity	39

API RW 174 @ 55 ° F Chlorides 60,000 ppm

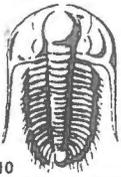
(A) Initial Hydrostatic 1952  Test 1125' T-On Location 23:06  
 (B) First Initial Flow 14  (No Jars) T-Started 23:15  
 (C) First Final Flow 71  Safety Joint 75' T-Open 1:21  
 (D) Initial Shut-In 604  Circ Sub T-Pulled 4:06  
 (E) Second Initial Flow 76  Hourly Standby T-Out 6:05  
 (F) Second Final Flow 95  Mileage 120 RT 150' Comments \_\_\_\_\_  
 (G) Final Shut-In 604  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1862  Straddle \_\_\_\_\_  
 Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_

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

Sub Total 1350  
 Total 1350  
 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Jason Mc

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P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 042829

RECEIVED  
MAR 21 2011

Well Name & No. Betty Thunder #8 BY: \_\_\_\_\_ Test No. 5 Date 3-17-11  
 Company H&M Petroleum Corporation Elevation 2541 KB 2536 GL  
 Address 13570 Meadowgrass Drive, Suite 101, Colorado Springs, CO, 80921  
 Co. Rep/Geo. Richard Hall Rig WW#10  
 Location: Sec. 31 Twp. 9s Rge. 24w Co. Graham State Ks

Interval Tested 3990 - 4079 Zone Tested "H-I-J-K"  
 Anchor Length 89' Drill Pipe Run 3860 Mud Wt. 9.1  
 Top Packer Depth 3985 Drill Collars Run 125 Vis 55  
 Bottom Packer Depth 3990 Wt. Pipe Run 0 WL 6.8  
 Total Depth 4079 Chlorides ~~1500~~ 1500 ppm System LCM 1.0 #  
 Blow Description IIFP - Strong Blow, BOB in 6 min.  
ISI - Blowback Built to 4 1/2"  
FFP - Strong Blow, BOB in 5 min  
FSI - Weak Surface Blowback for 10 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>250</u>	<u>MCGO</u>	<u>20</u>	<u>30</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	Feet of <u>530' GIP</u>	%gas	%oil	%water	%mud

Rec Total 250 BHT 110° Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2003  Test 1225- T-On Location 18:48  
 (B) First Initial Flow 71  Jars \_\_\_\_\_ T-Started 18:57  
 (C) First Final Flow 118  Safety Joint 75- T-Open 20:27  
 (D) Initial Shut-In 957  Circ Sub \_\_\_\_\_ T-Pulled 22:02  
 (E) Second Initial Flow 137  Hourly Standby \_\_\_\_\_ T-Out 24:15  
 (F) Second Final Flow 150  Mileage 120 RD 150 Comments \_\_\_\_\_  
 (G) Final Shut-In 1042  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1940  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_ Sub Total 8  
 Day Standby \_\_\_\_\_ Total 1450-  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1450-

Approved By \_\_\_\_\_ Our Representative Jan M. Lanoue

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Thank  
1-7-11