

## DRILL STEM TEST REPORT

Prepared For: **Palomino Petroleum**

4924 SE 84th St.  
Newton, KS 67114

ATTN: Ryan Seib

### **Cox-Miller #1**

### **16-20s-22w Ness,KS**

Start Date: 2012.08.13 @ 10:14:30

End Date: 2012.08.13 @ 15:52:30

Job Ticket #: 49478                      DST #: 1

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
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Printed: 2012.08.24 @ 13:41:34







**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Palomino Petroleum  
4924 SE 84th St.  
New ton, KS 67114  
ATTN: Ryan Seib

**16-20s-22w Ness, KS**  
**Cox-Miller #1**  
Job Ticket: 49478      **DST#: 1**  
Test Start: 2012.08.13 @ 10:14:30

**Tool Information**

Drill Pipe:	Length: 4149.00 ft	Diameter: 3.80 inches	Volume: 58.20 bbl	Tool Weight:	3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	24000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	5000.00 lb
			<u>Total Volume: 58.80 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial	65000.00 lb
Depth to Top Packer:	4289.00 ft			Final	65000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	109.00 ft				
Tool Length:	137.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
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Change Over Sub	1.00			4262.00	
Shut In Tool	5.00			4267.00	
Hydraulic tool	5.00			4272.00	
Jars	5.00			4277.00	
Safety Joint	3.00			4280.00	
Packer	5.00			4285.00	28.00      Bottom Of Top Packer
Packer	4.00			4289.00	
Stubb	1.00			4290.00	
Perforations	5.00			4295.00	
Change Over Sub	1.00			4296.00	
Drill Pipe	93.00			4389.00	
Change Over Sub	1.00			4390.00	
Recorder	0.00	8354	Inside	4390.00	
Recorder	0.00	8520	Outside	4390.00	
Perforations	5.00			4395.00	
Bullnose	3.00			4398.00	109.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>137.00</b>				



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# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Palomino Petroleum  
4924 SE 84th St.  
New ton, KS 67114  
ATTN: Ryan Seib

**16-20s-22w Ness,KS**  
**Cox-Miller #1**  
Job Ticket: 49478      **DST#: 1**  
Test Start: 2012.08.13 @ 10:14:30

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.38 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4400.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	100%Mud	0.295
15.00	5%Oil/95%Mud	0.074

Total Length: 75.00 ft      Total Volume: 0.369 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

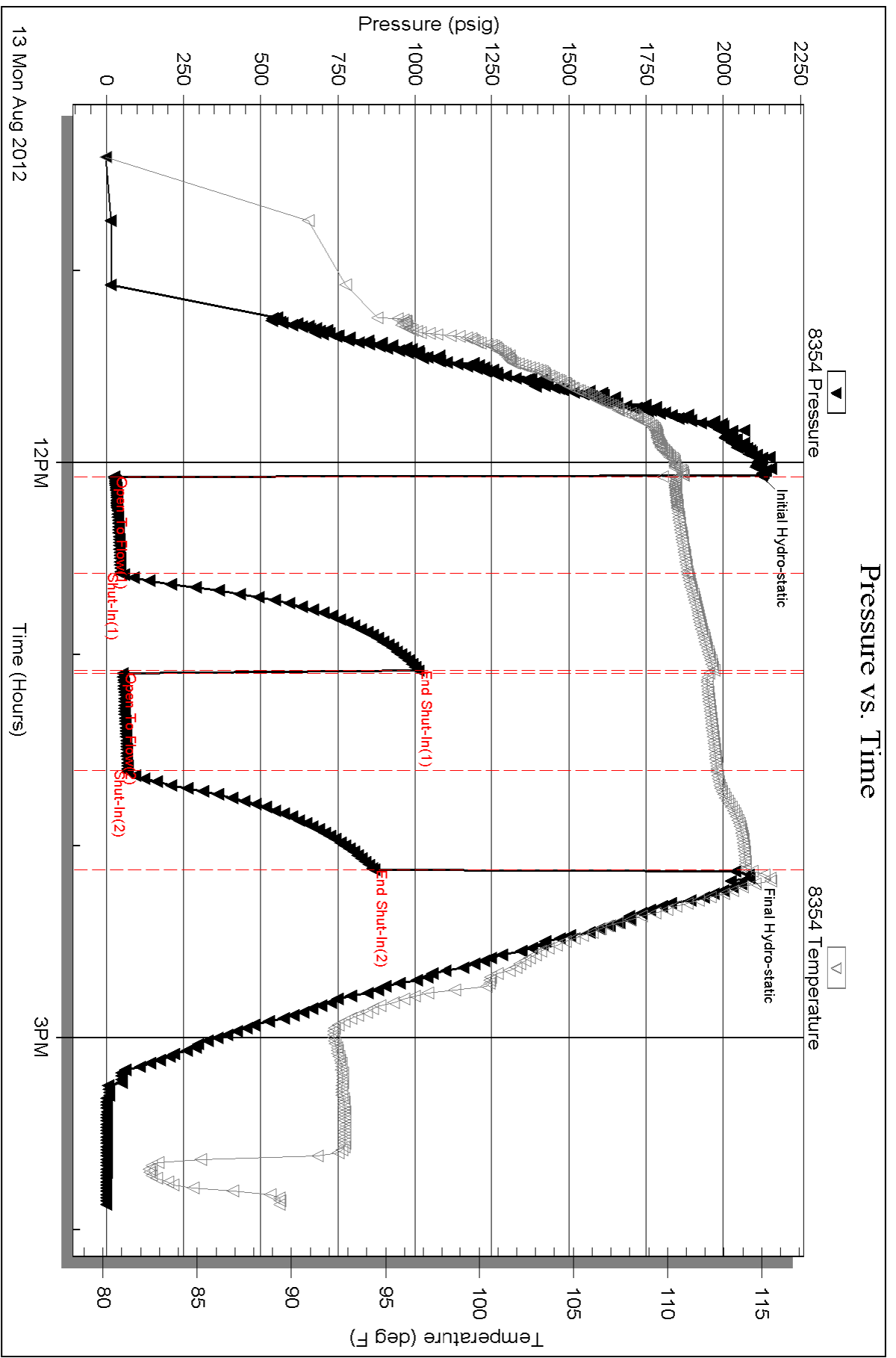
Serial #: 8354

Inside

Palomino Petroleum

Cox-Miller #1

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 49478

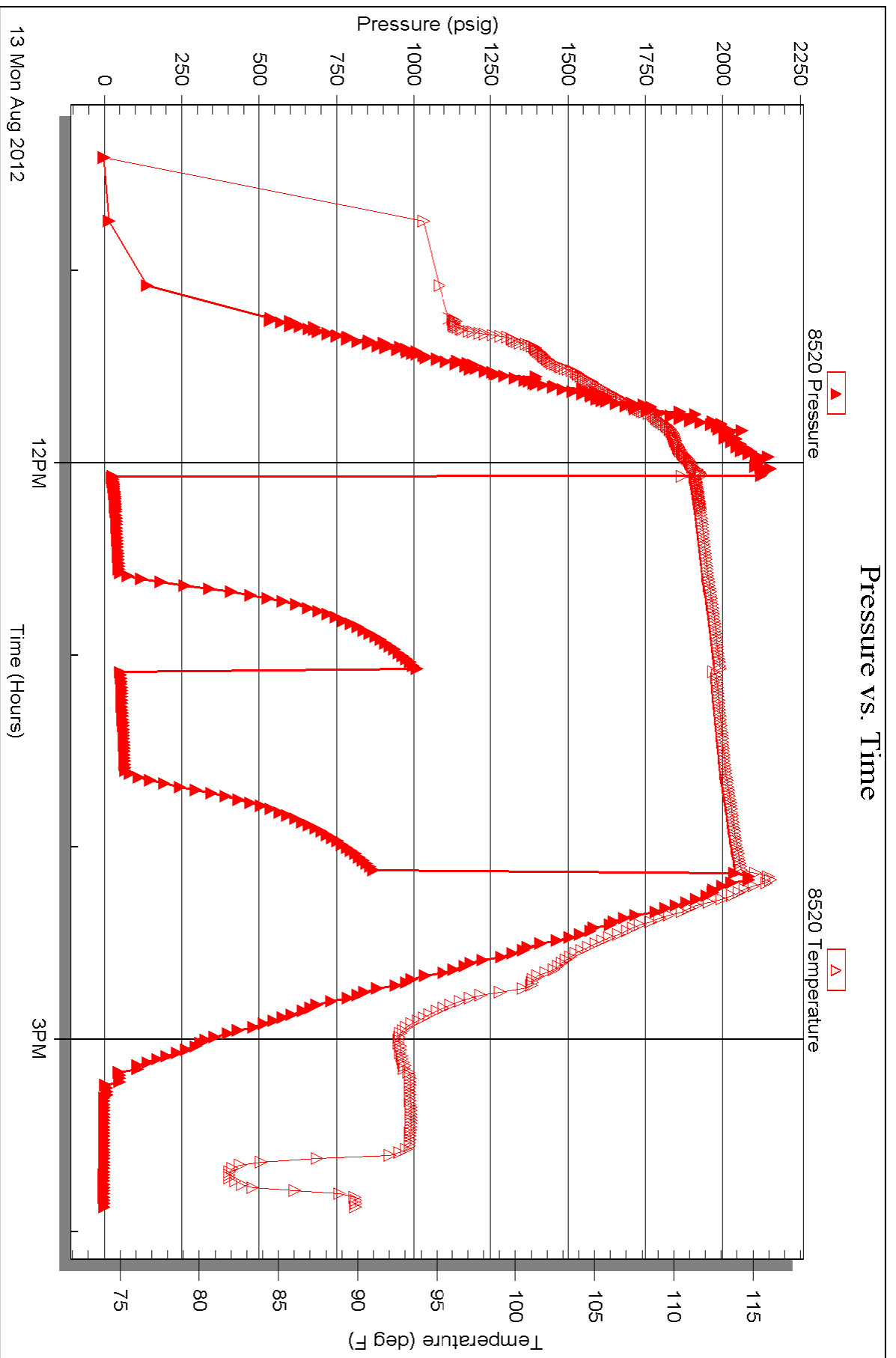
Printed: 2012.08.24 @ 13:41:38

Serial #: 8520

Outside Palomino Petroleum

Cox-Miller #1

DST Test Number: 1





# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 49478

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Well Name & No. Cox-Miller #1 Test No. 1 Date 8-13-12  
 Company Palomino Petroleum Elevation 2209 KB 2204 GL  
 Address 4924 SE 84th St. Newton, KS 67114  
 Co. Rep / Geo. Ryan Rig WW #10  
 Location: Sec. 16 Twp. 20S Rge. 22W Co. Ness State KS

Interval Tested 4289-4398 Zone Tested Mississippian  
 Anchor Length 109' Drill Pipe Run 4149 Mud Wt. 9.4  
 Top Packer Depth 4284 Drill Collars Run 122 Vis 55  
 Bottom Packer Depth 4289 Wt. Pipe Run 0 WL 10.4  
 Total Depth 4398 Chlorides 4400 ppm System LCM -

Blow Description FF - Very weak building blow, Built to 3 inches,  
JSI - No Return,  
FF - Very weak building blow, Built to 1 1/2 inches,  
FSI - No Return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>USOCM</u>	<u>5</u>		<u>95</u>	
<u>60</u>	<u>Mud</u>			<u>100</u>	

Rec Total 75' BHT 115 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2123  Test 1250 T-On Location 0900  
 (B) First Initial Flow 25  Jars 250 T-Started 1030  
 (C) First Final Flow 46  Safety Joint 75 T-Open 1204  
 (D) Initial Shut-In 1011  Circ Sub T-Pulled 1405  
 (E) Second Initial Flow 53  Hourly Standby T-Out 1545  
 (F) Second Final Flow 68  Mileage 6.5X2 201.50 Comments BATT-1014  
 (G) Final Shut-In 866  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2081  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_

Initial Open 30  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Shut-In 30  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Final Flow 30  Day Standby \_\_\_\_\_ Total 1776.50  
 Final Shut-In 30  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1776.50

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

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