



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Samuel Gary Jr&AssociatesInc

**12-11s-22w Trego**

1515 Wynkoop  
Ste 700  
Denver Co 80202  
ATTN: Dan Pritchard

**Walz FamilyTrust1-12**

Job Ticket: 54370 **DST#: 3**

Test Start: 2013.11.11 @ 03:20:51

## GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:29:46

Time Test Ended: 11:48:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Ray Schwager

Unit No: 70

**Interval: 3749.00 ft (KB) To 3768.00 ft (KB) (TVD)**

Reference Elevations: 2169.00 ft (KB)

Total Depth: 3768.00 ft (KB) (TVD)

2161.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 8369 Inside**

Press @RunDepth: 20.01 psig @ 3750.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.11.11

End Date: 2013.11.11

Last Calib.: 2013.11.11

Start Time: 03:20:51

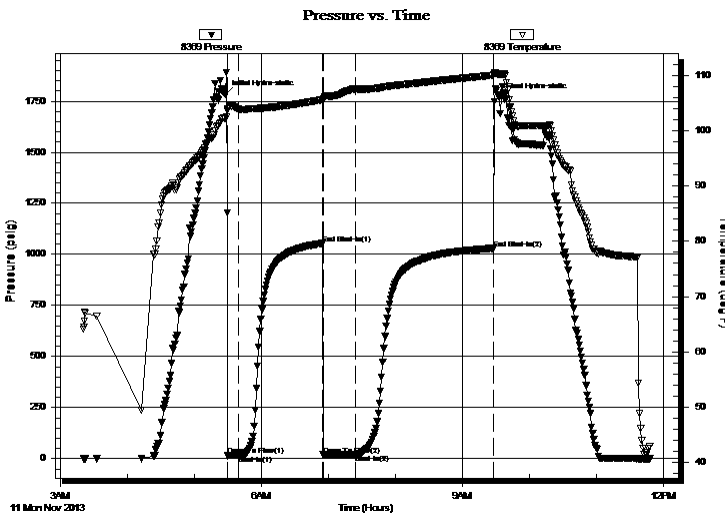
End Time: 11:48:15

Time On Btm: 2013.11.11 @ 05:27:31

Time Off Btm: 2013.11.11 @ 09:33:00

**TEST COMMENT:** 10-IFP-w k bl , 1/4"bl  
75-ISIP-no bl  
30-FFP-no bl  
120-FSIP-no bl

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1783.36	102.22	Initial Hydro-static
3	14.59	103.61	Open To Flow (1)
12	18.51	103.91	Shut-In(1)
88	1053.77	105.58	End Shut-In(1)
88	19.30	105.42	Open To Flow (2)
117	20.01	107.45	Shut-In(2)
241	1027.62	110.02	End Shut-In(2)
246	1765.99	110.19	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1.00	CO	0.01
5.00	OCM 10%oil90%M	0.07

## Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

\* Recovery from multiple tests





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**FLUID SUMMARY**

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**Walz FamilyTrust1-12**

Job Ticket: 54370 **DST#: 3**

Test Start: 2013.11.11 @ 03:20:51

## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 57.00 sec/qt  
Water Loss: 8.73 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 5000.00 ppm  
Filter Cake: 1.00 inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

Oil API: deg API  
Water Salinity: ppm

## Recovery Information

Recovery Table

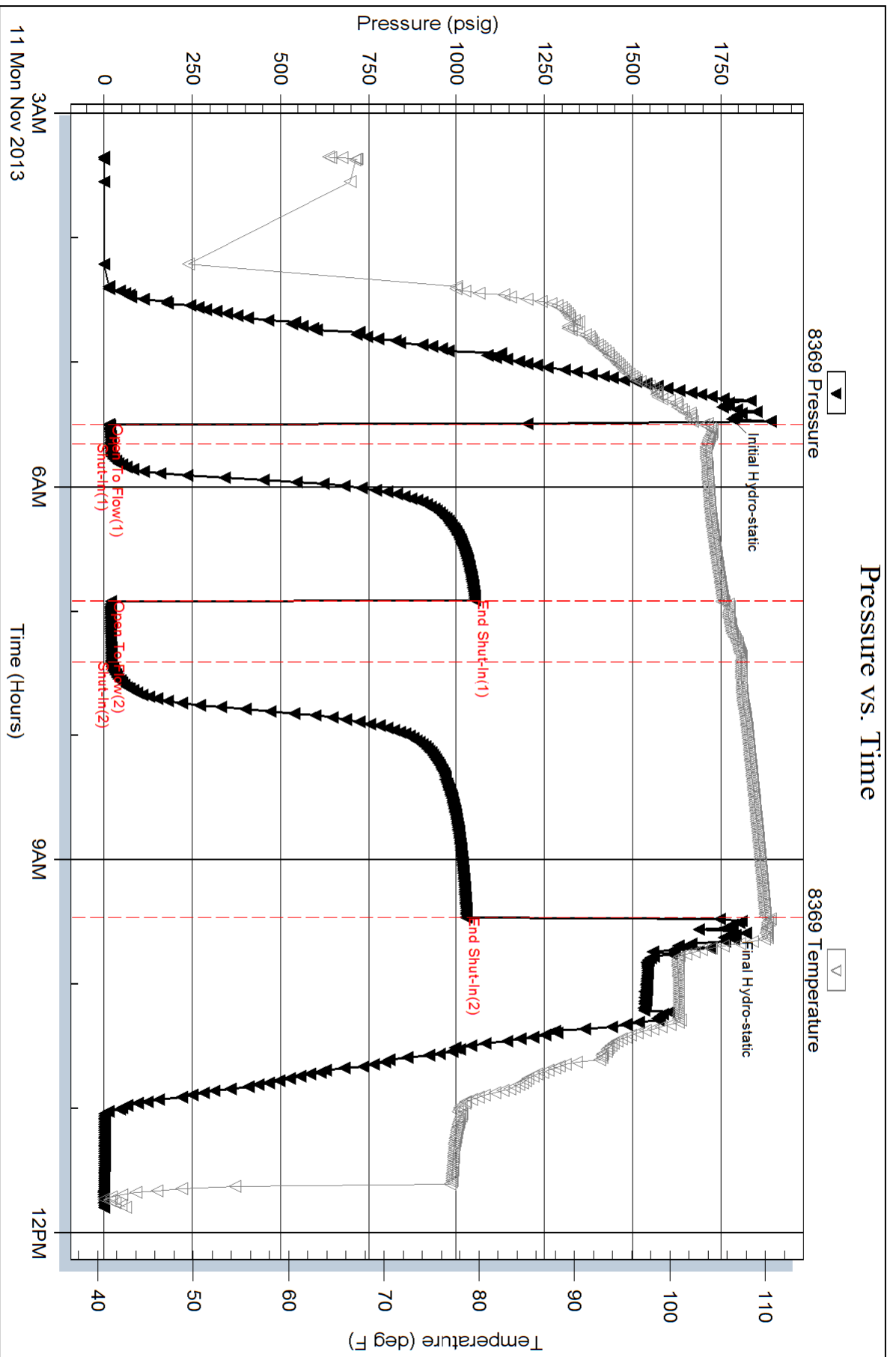
Length ft	Description	Volume bbl
1.00	CO	0.014
5.00	OCM 10%oil90%M	0.070

Total Length: 6.00 ft Total Volume: 0.084 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: Sampler Data: 200MLOIL 1800MLMud  
PSI: 130#



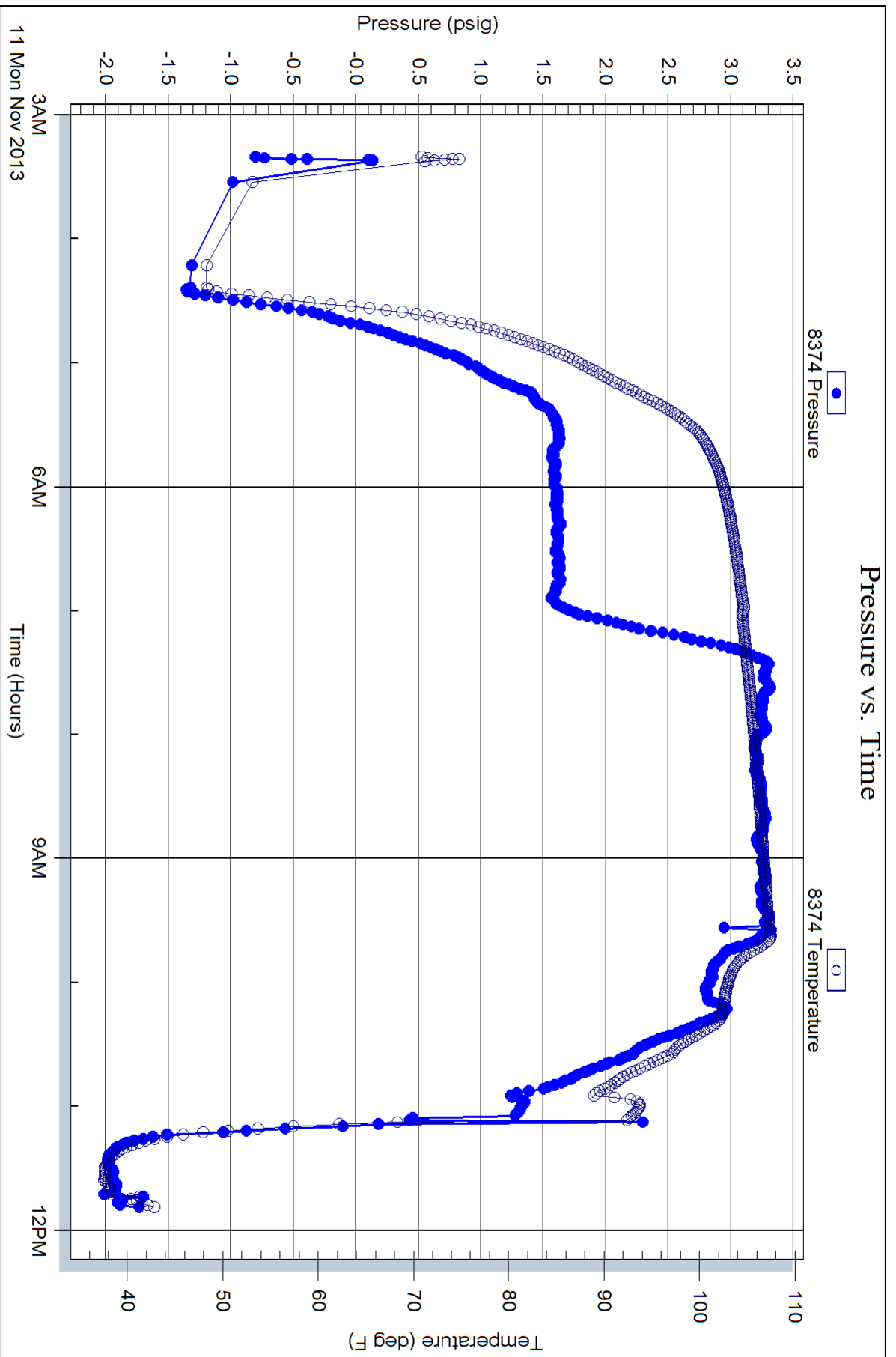
Serial #: 8374

Fluid

Samuel Gary Jr & Associates Inc

Walz Family Trust 1-12

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 54370

Printed: 2013.11.11 @ 12:00:15