



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr&Assoc Inc
 1515 Wynkoop
 Ste.700
 Denver Co 80202
 ATTN: Clayton Camoozi

35-12s-23w Trego

Armbruster #1-35

Job Ticket: 54254

DST#: 3

Test Start: 2013.07.04 @ 20:15:12

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:54:52

Time Test Ended: 02:49:06

Test Type: Conventional Bottom Hole (Reset)

Tester: Ray Schwager

Unit No: 42

Interval: 4076.00 ft (KB) To 4115.00 ft (KB) (TVD)

Reference Elevations: 2341.00 ft (KB)

Total Depth: 4115.00 ft (KB) (TVD)

2333.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8369 Inside

Press @ RunDepth: 22.59 psig @ 4089.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.07.04

End Date:

2013.07.05

Last Calib.: 2013.07.05

Start Time: 20:15:12

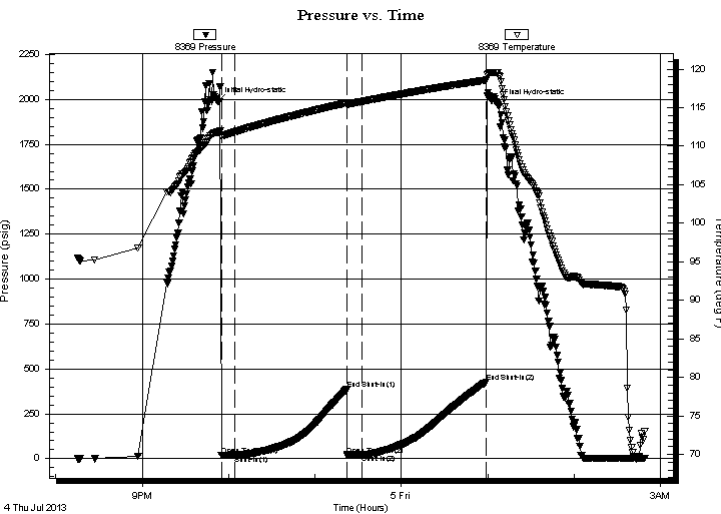
End Time:

02:49:06

Time On Btm: 2013.07.04 @ 21:52:37

Time Off Btm: 2013.07.05 @ 01:06:21

TEST COMMENT: 10-IFP-w k surface bl
 75-ISIP-no bl
 10-FFP-no bl
 60-FSIP-no bl



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1988.66	111.82	Initial Hydro-static
3	19.43	111.19	Open To Flow (1)
12	21.59	111.85	Shut-In(1)
90	384.80	115.59	End Shut-In(1)
90	20.44	115.44	Open To Flow (2)
100	22.59	115.78	Shut-In(2)
187	427.92	118.56	End Shut-In(2)
194	1974.41	119.50	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	SOCM 2%O98%M	0.01

* Recovery from multiple tests

Gas Rates

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



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Hole Condition: Fair	

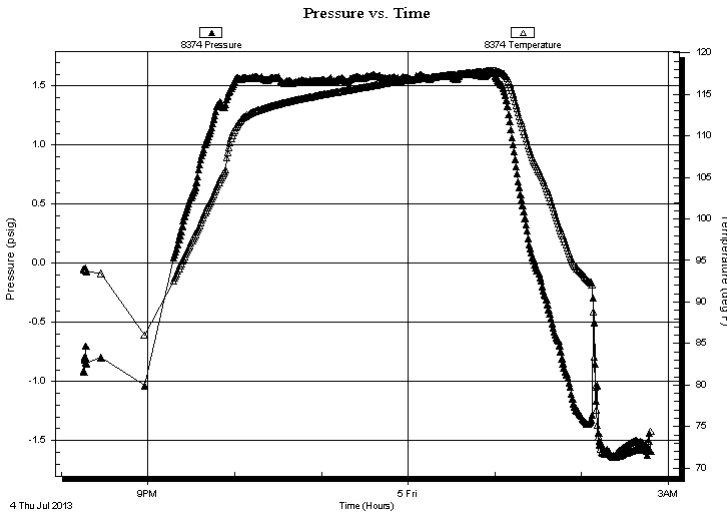
Serial #: 8374

Fluid

Press @ RunDepth: psig @ 4041.00 ft (KB)	Capacity: 8000.00 psig
Start Date: 2013.07.04	End Date: 2013.07.05
Start Time: 20:15:28	End Time: 02:47:52
	Last Calib.: 2013.07.05
	Time On Btm:
	Time Off Btm:

TEST COMMENT: 10-IFP-w k surface bl
75-ISIP-no bl
10-FFP-no bl
60-FSIP-no bl

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Gas Rates

Length (ft)	Description	Volume (bbl)
2.00	SOCM 2% O98%M	0.01

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

* Recovery from multiple tests



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FLUID SUMMARY

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1515 Wynkoop
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Armbruster #1-35

Job Ticket: 54254

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Test Start: 2013.07.04 @ 20:15:12

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 67.00 sec/qt

Water Loss: 8.75 in³

Resistivity: ohm.m

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	SOCM 2% O98%M	0.010

Total Length: 2.00 ft Total Volume: 0.010 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler Data: PSI 100# 80 ML oil 1000MLmud

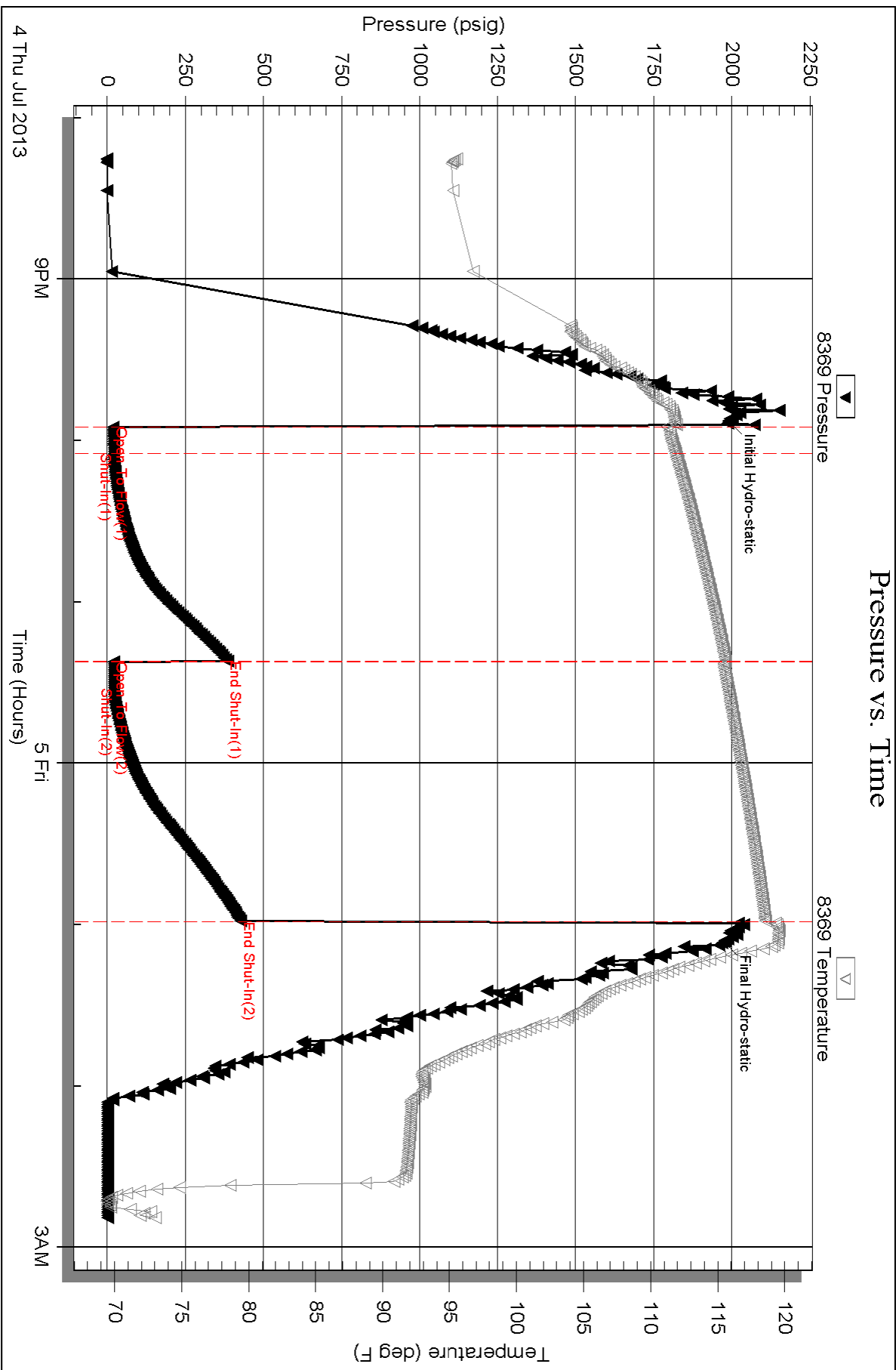
Serial #: 8369

Inside

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Armbruster #1-35

DST Test Number: 3



Serial #: 8374

Fluid

Samuel Gary Jr & Assoc Inc

Arnbruster #1-35

DST Test Number: 3

