



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr&Assoc Inc

35-12s-23w Trego

1515 Wynkoop
Ste.700
Denver Co 80202
ATTN: Clayton Camoozi

Armbruster #1-35

Job Ticket: 54252 **DST#: 1**
Test Start: 2013.07.02 @ 13:25:50

GENERAL INFORMATION:

Formation: **LKC "C"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 15:15:15
 Time Test Ended: 20:40:44
 Interval: **3753.00 ft (KB) To 3770.00 ft (KB) (TVD)**
 Total Depth: 3770.00 ft (KB) (TVD)
 Hole Diameter: 7.85 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ray Schwager
 Unit No: 42
 Reference Elevations: 2341.00 ft (KB)
 2333.00 ft (CF)
 KB to GR/CF: 8.00 ft

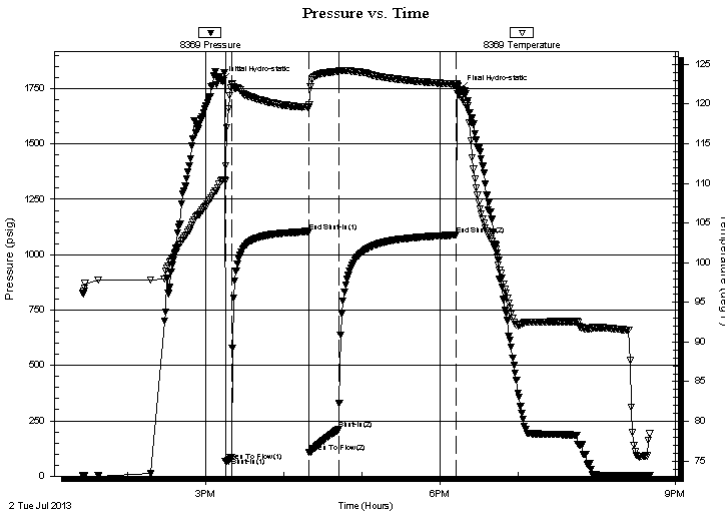
Serial #: 8369

Inside

Press @ RunDepth: 212.08 psig @ 3754.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.07.02 End Date: 2013.07.02 Last Calib.: 2013.07.02
 Start Time: 13:25:50 End Time: 20:40:44 Time On Btm: 2013.07.02 @ 15:12:45
 Time Off Btm: 2013.07.02 @ 18:14:44

TEST COMMENT: 5-IFP-strg bl in 4 min
 60-ISIP-surface bl bk
 20-FFP-strg bl in 4min
 90-FSIP-surface bl bk

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1784.59	110.39	Initial Hydro-static
3	66.63	110.33	Open To Flow (1)
8	84.52	122.39	Shut-In(1)
67	1103.28	119.59	End Shut-In(1)
67	107.65	119.93	Open To Flow (2)
90	212.08	124.10	Shut-In(2)
180	1088.77	122.49	End Shut-In(2)
182	1745.81	120.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	255'GIP	0.00
245.00	Water	3.16
90.00	HOCWM 15%O40%W45%M	1.26
85.00	CO	1.19

Gas Rates

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



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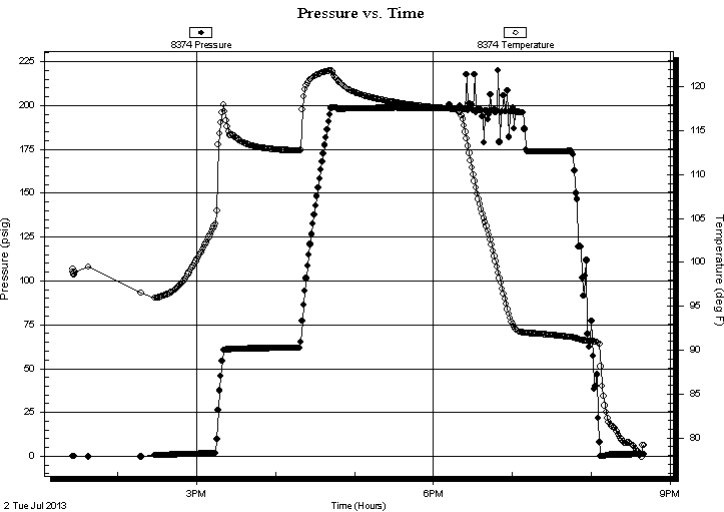
35-12s-23w Trego
Armbruster #1-35
 Job Ticket: 54252 **DST#: 1**
 Test Start: 2013.07.02 @ 13:25:50

GENERAL INFORMATION:

Formation: **LKC "C"**
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 15:15:15 Tester: Ray Schwager
 Time Test Ended: 20:40:44 Unit No: 42
Interval: 3753.00 ft (KB) To 3770.00 ft (KB) (TVD) Reference Elevations: 2341.00 ft (KB)
 Total Depth: 3770.00 ft (KB) (TVD) 2333.00 ft (CF)
 Hole Diameter: 7.85 inchesHole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 8374 Fluid
 Press @RunDepth: psig @ 3720.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.07.02 End Date: 2013.07.02 Last Calib.: 2013.07.02
 Start Time: 13:25:37 End Time: 20:41:01 Time On Btm:
 Time Off Btm:

TEST COMMENT: 5-IFP-strg bl in 4 min
 60-ISIP-surface bl bk
 20-FFP-strg bl in 4min
 90-FSIP-surface bl bk



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	255'GIP	0.00
245.00	Water	3.16
90.00	HOCWM 15%O40%W45%M	1.26
85.00	CO	1.19

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr&Assoc Inc

35-12s-23w Trego

1515 Wynkoop
Ste.700
Denver Co 80202
ATTN: Clayton Camoozi

Armbruster #1-35

Job Ticket: 54252

DST#: 1

Test Start: 2013.07.02 @ 13:25:50

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

28 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

66000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
0.00	255'GIP	0.000
245.00	Water	3.163
90.00	HOCWM 15%O40%W45%M	1.262
85.00	CO	1.192

Total Length: 420.00 ft Total Volume: 5.617 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .1 @ 80F

Serial #: 8369

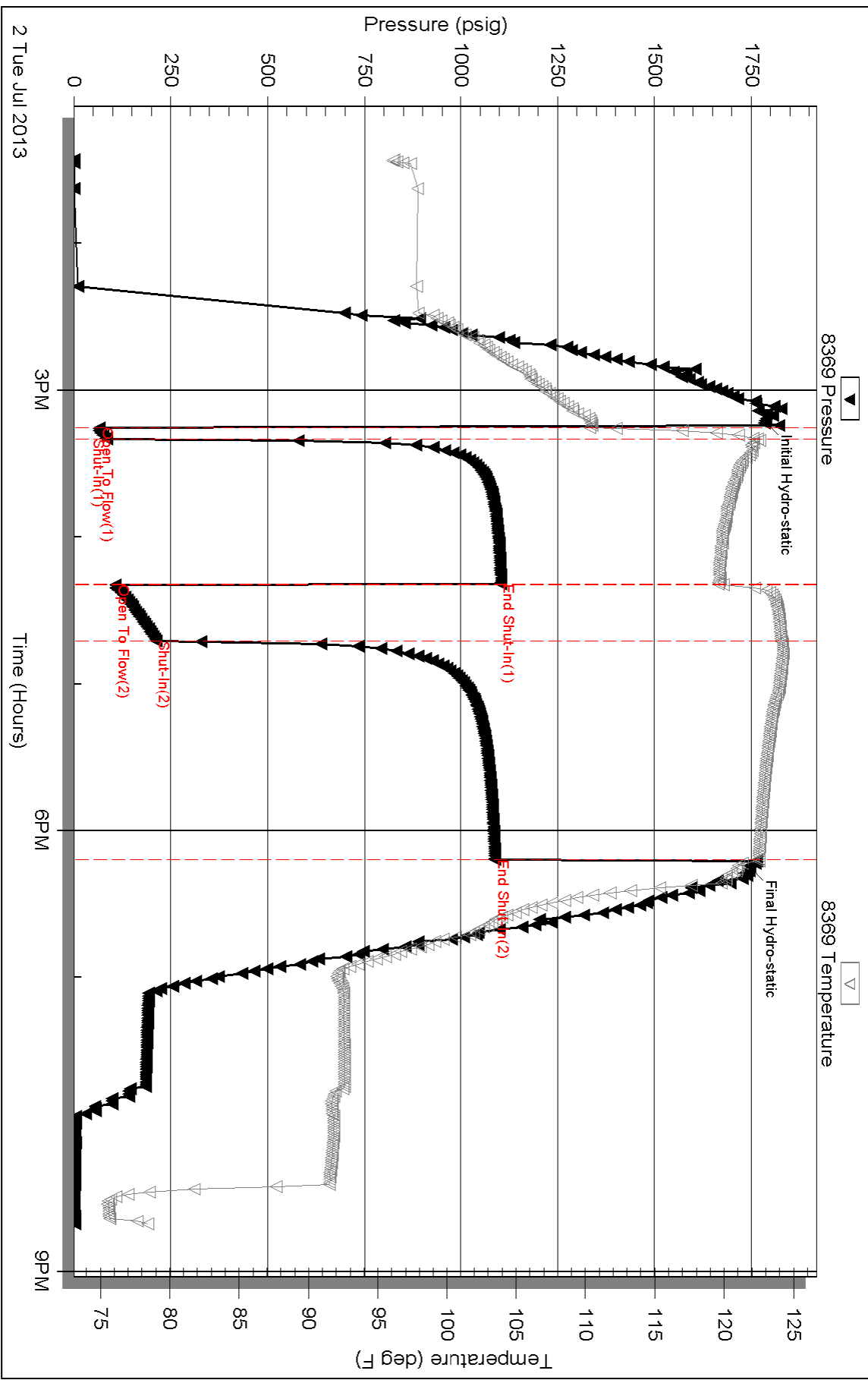
Inside

Samuel Gary Jr & Assoc Inc

Armbruster #1-35

DST Test Number: 1

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 54252

Printed: 2013.07.03 @ 08:09:02

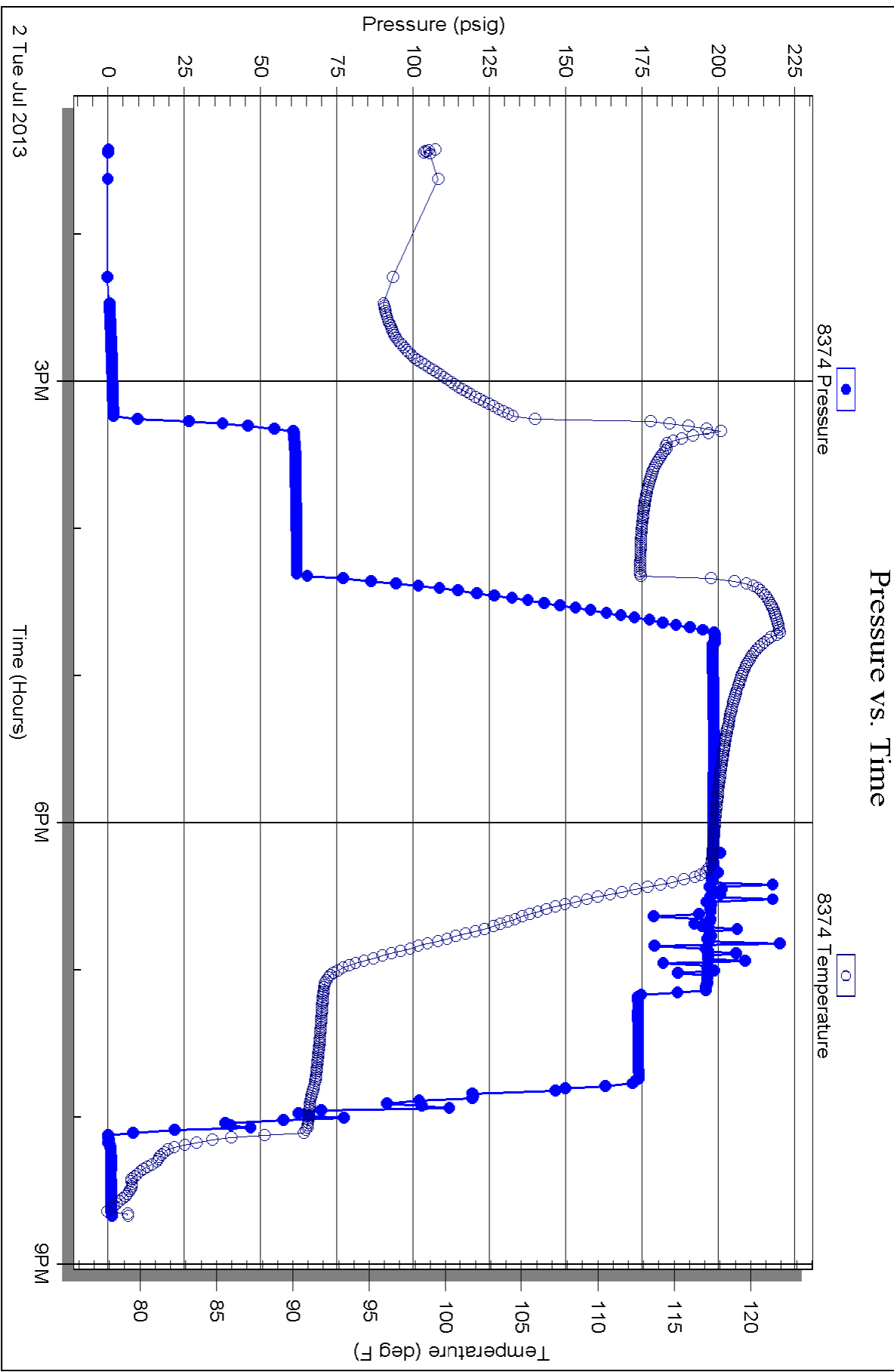
Serial #: 8374

Fluid

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Arnbruster #1-35

DST Test Number: 1



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