



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Samuel Gary Jr & Associates

11-15s-16w-Ellis

1515 Wynkoop
Suite 700
Denver, CO. 80202
ATTN: Chris Mitchell

Legleiter #1-11

Job Ticket: 52232

DST#: 2

Test Start: 2013.04.30 @ 13:40:48

GENERAL INFORMATION:

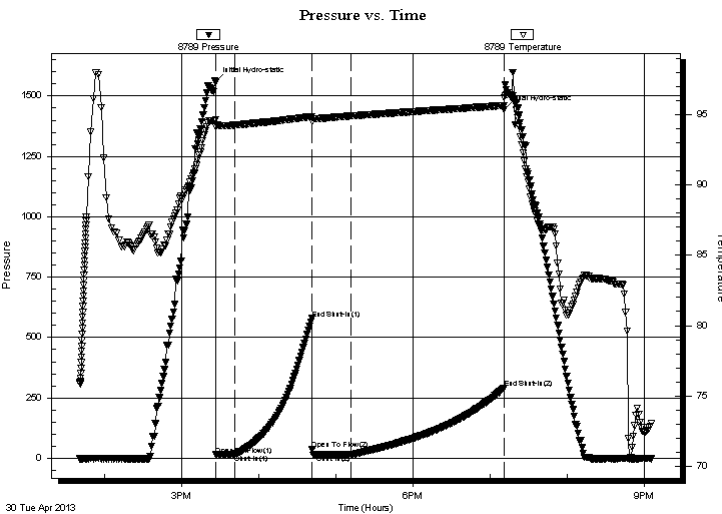
Formation: **D**
 Deviated: No Whipstock: 0.00 ft (KB)
 Time Tool Opened: 15:26:33
 Time Test Ended: 21:06:18
 Interval: **3229.00 ft (KB) To 3248.00 ft (KB) (TVD)**
 Total Depth: 3274.00 ft (KB) (TVD)
 Hole Diameter: 7.80 inches Hole Condition: Fair
 Test Type: Conventional Straddle (Reset)
 Tester: Jason McLemore
 Unit No: 54
 Reference Elevations: 1935.00 ft (KB)
 1925.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8789

Inside

Press @ Run Depth: 15.18 psig @ 3231.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.04.30 End Date: 2013.04.30 Last Calib.: 2013.04.30
 Start Time: 13:40:50 End Time: 21:06:18 Time On Btm: 2013.04.30 @ 15:26:18
 Time Off Btm: 2013.04.30 @ 19:10:48

TEST COMMENT: IFP-Weak Surface Blow, Died in 7 Min.
 ISI-Dead
 FFP-Weak, Built to 2" in 5 Min., Then Died Back, Ending at 1/2"
 FSI-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1558.48	94.64	Initial Hydro-static
1	13.93	94.15	Open To Flow (1)
15	16.23	94.27	Shut-In(1)
75	578.57	94.88	End Shut-In(1)
76	37.12	94.55	Open To Flow (2)
106	15.18	94.91	Shut-In(2)
225	290.24	95.66	End Shut-In(2)
225	1443.79	96.23	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
7.00	V SOCM-3%O-97%M	0.10

Gas Rates

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

* Recovery from multiple tests



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FLUID SUMMARY

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Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 51.00 sec/qt

Water Loss: 7.18 in³

Resistivity: ohm.m

Salinity: 4400.00 ppm

Filter Cake: 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
7.00	VSOCM-3%O-97%M	0.098

Total Length: 7.00 ft Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

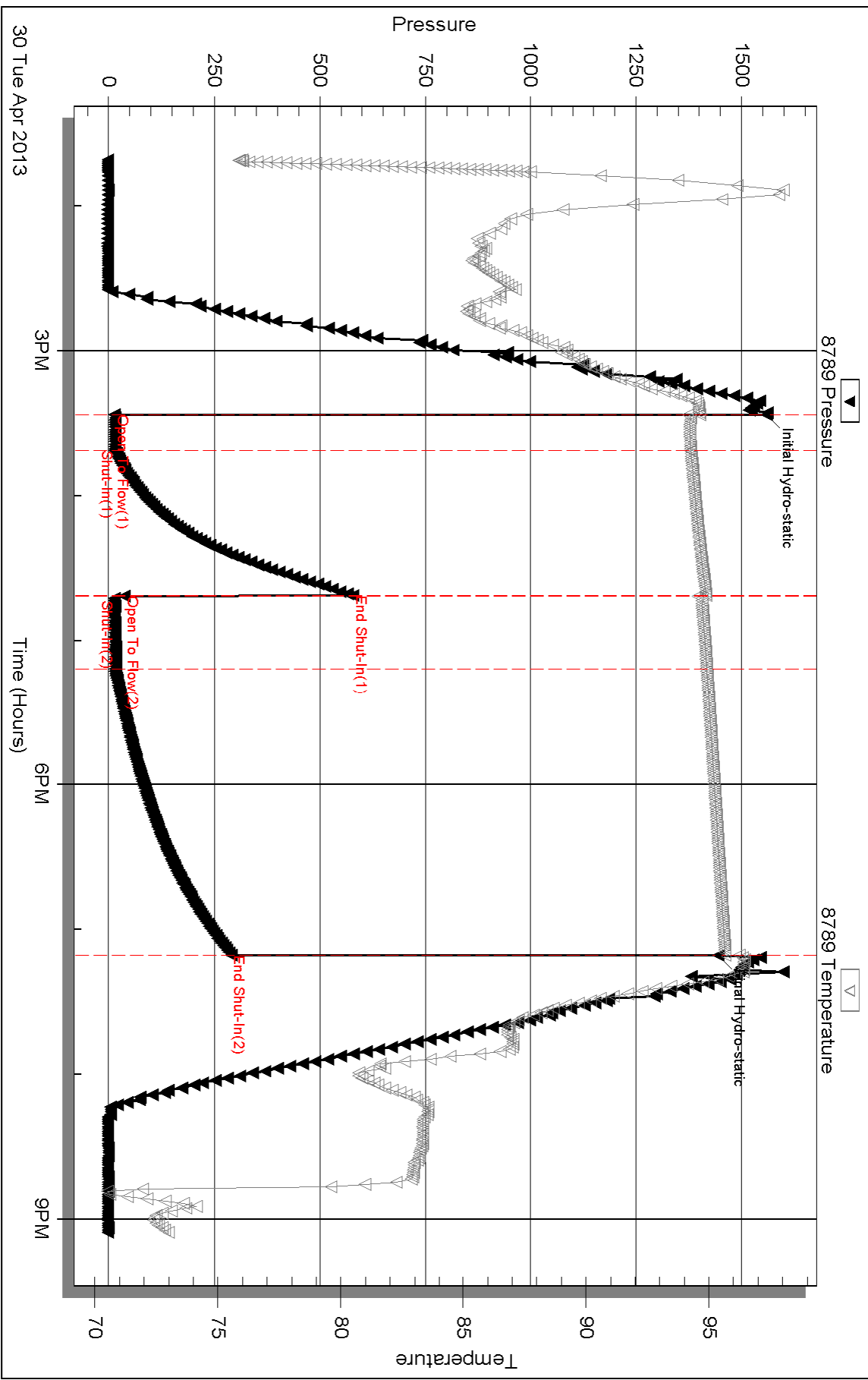
Serial #:

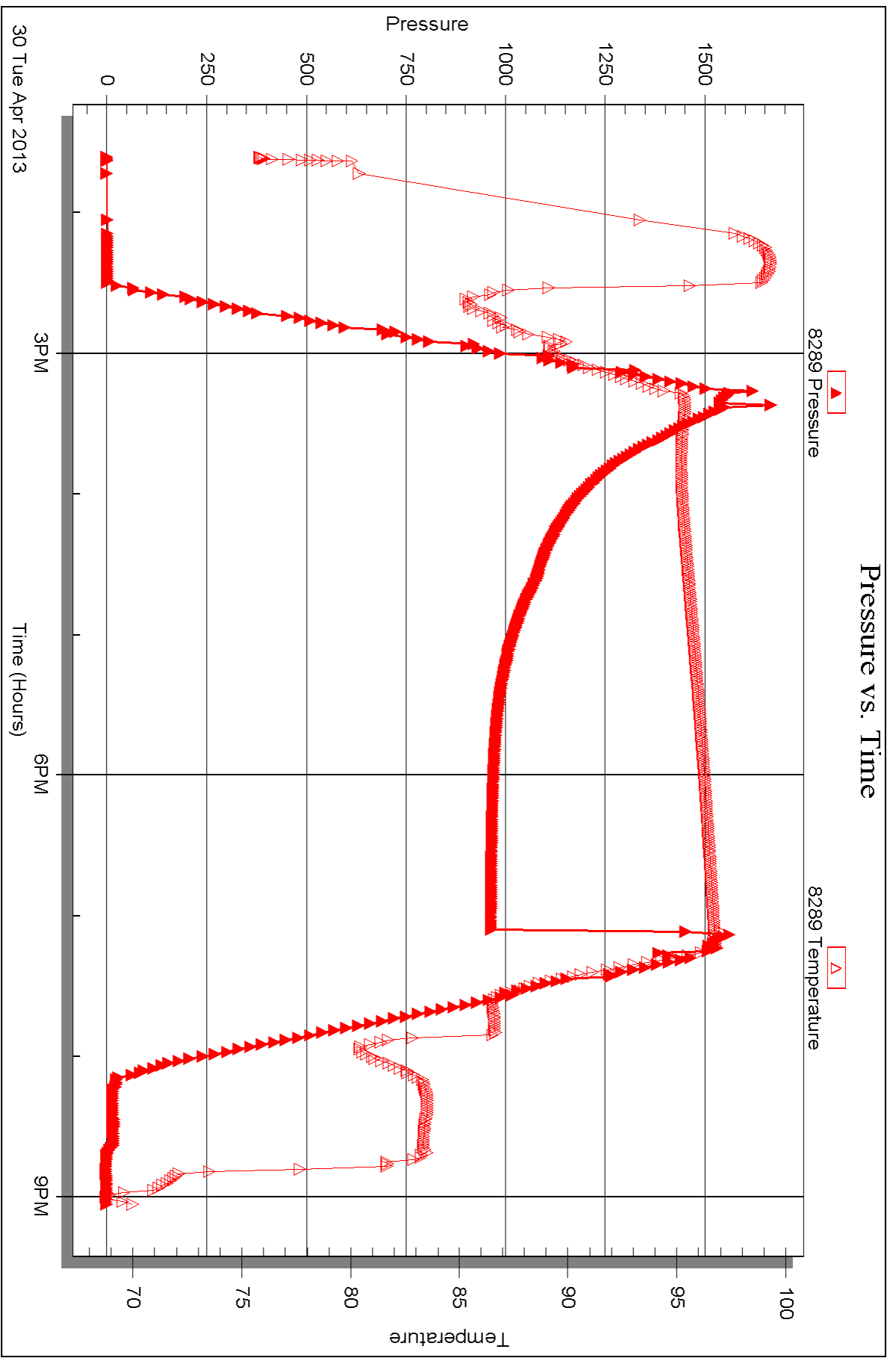
Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler-55#-2500ml Oil-500ml Mud

Pressure vs. Time





Serial #: 6668

Fluid

Samuel Gary Jr & Associates

Legleiter #1-11

DST Test Number: 2

