



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr & Associates

10-16s-16w Rush, KS

1515 Wynkoop STE 700
Denver CO 80202

Dennis Boxberger1-10

ATTN: Chris Mitchell

Job Ticket: 47121

DST#: 2

Test Start: 2012.06.03 @ 20:45:26

GENERAL INFORMATION:

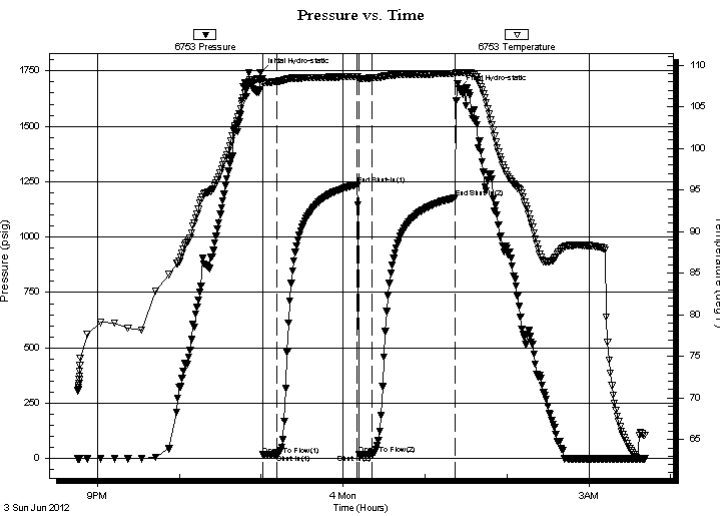
Formation: **KC**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 23:01:26
 Time Test Ended: 03:41:26
 Interval: **3330.00 ft (KB) To 3342.00 ft (KB) (TVD)**
 Total Depth: 3595.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Straddle (Reset)
 Tester: Brett Dickinson
 Unit No: 59
 Reference Elevations: 1889.00 ft (KB)
 1879.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 6753

Outside

Press @ RunDepth: 19.61 psig @ 3338.00 ft (KB)
 Start Date: 2012.06.03 End Date: 2012.06.04
 Start Time: 20:45:31 End Time: 03:41:25
 Capacity: 8000.00 psig
 Last Calib.: 2012.06.04
 Time On Btm: 2012.06.03 @ 22:59:26
 Time Off Btm: 2012.06.04 @ 01:24:56

TEST COMMENT: 10min IF-Very weak surface blow
 60min ISI-No blow
 10min FF-No blow
 60min FSI-No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1743.50	108.36	Initial Hydro-static
2	17.88	107.86	Open To Flow (1)
12	18.90	108.07	Shut-In(1)
71	1237.72	108.68	End Shut-In(1)
72	19.77	108.39	Open To Flow (2)
82	19.61	108.48	Shut-In(2)
143	1178.36	109.02	End Shut-In(2)
146	1668.25	109.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
6.00	OS Mud	0.08

* Recovery from multiple tests

Gas Rates

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



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FLUID SUMMARY

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Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6300.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
6.00	OS Mud	0.084

Total Length: 6.00 ft Total Volume: 0.084 bbl

Num Fluid Samples: 0

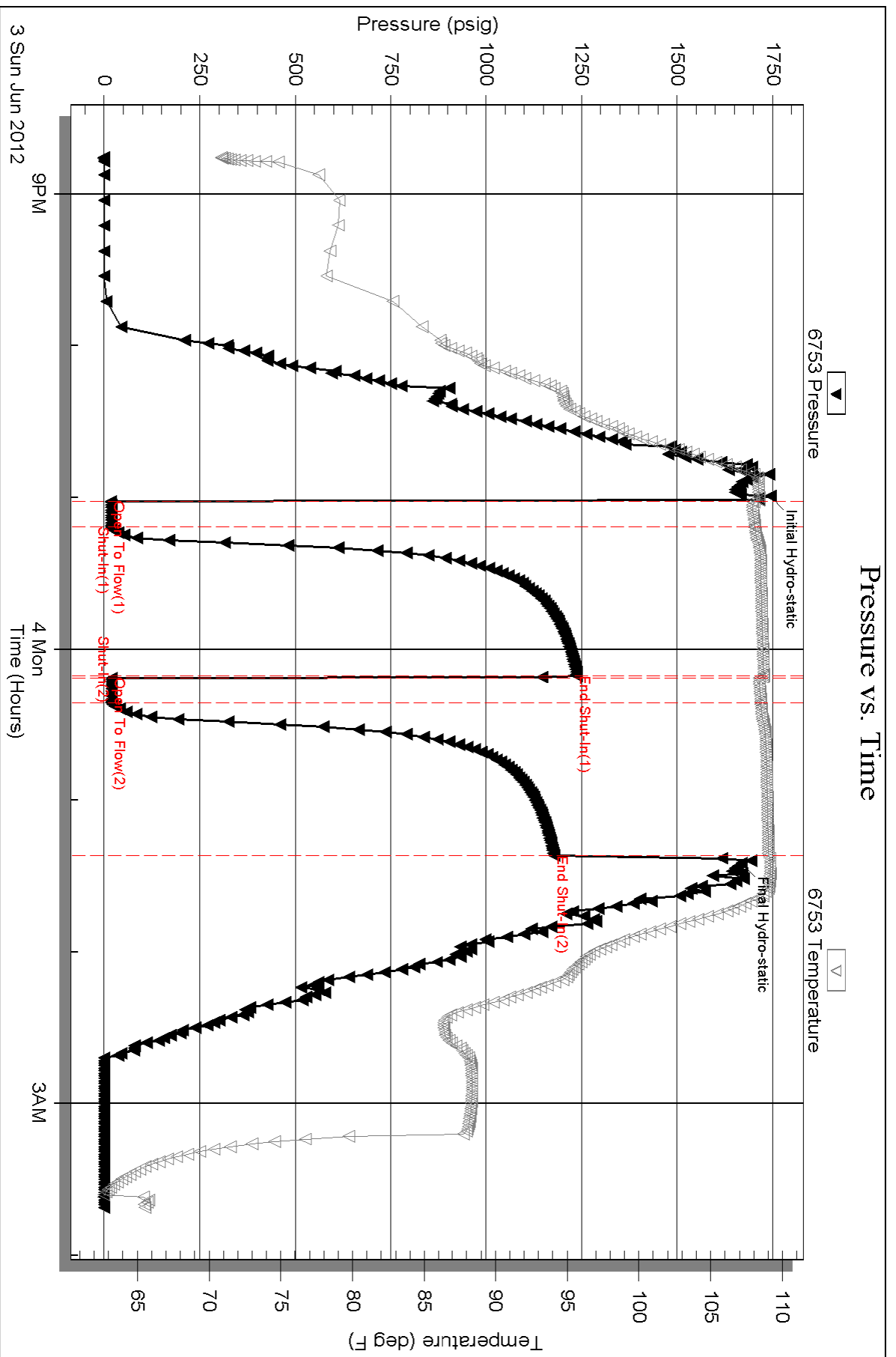
Num Gas Bombs: 0

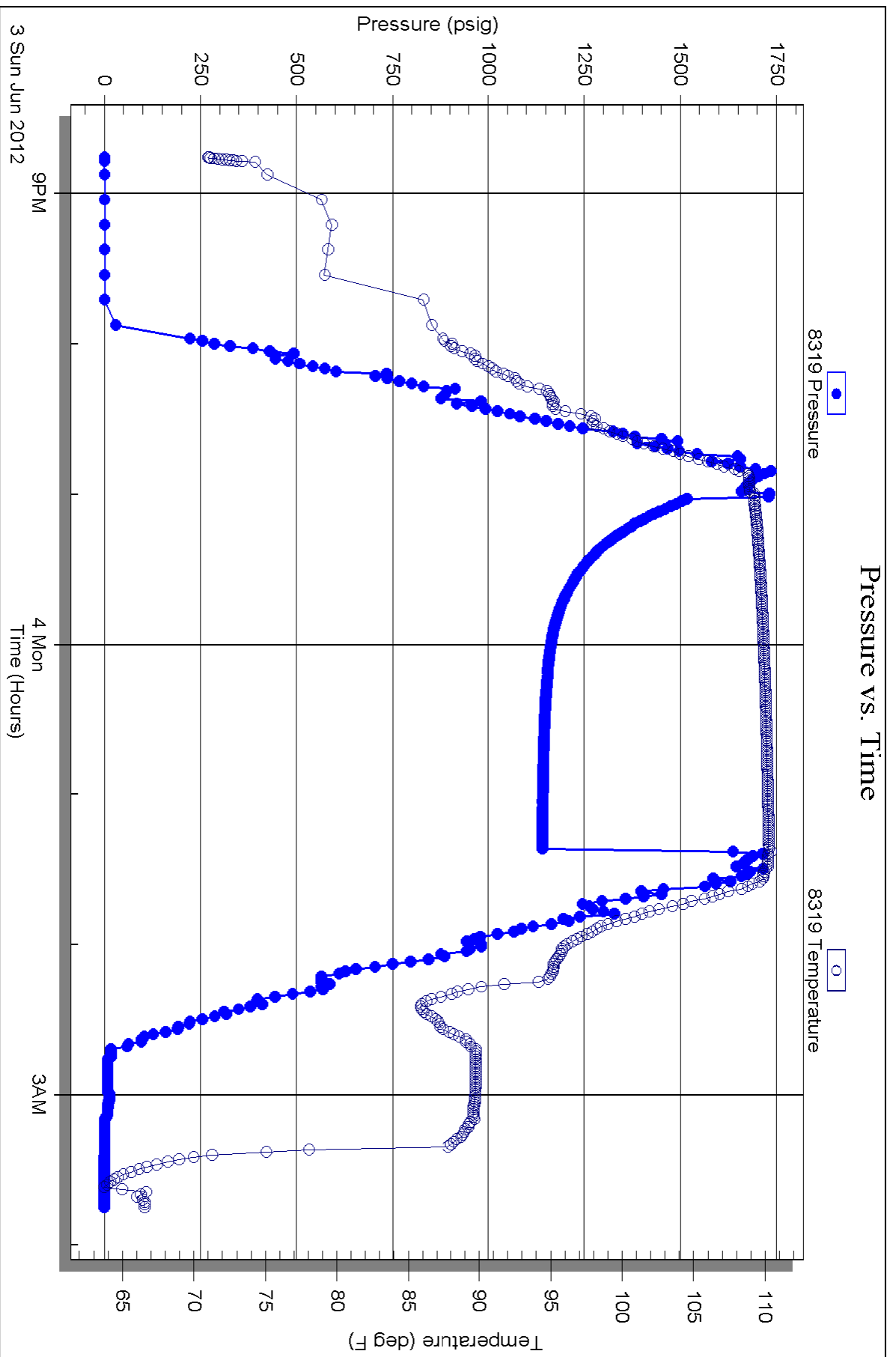
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler Data 160 psi 3000ml mud





Serial #: 8167

Fluid

Samuel Gary Jr & Associates

Dennis Boxberger-1-10

DST Test Number: 2

