



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates

35-16s-15w Barton KS

1515 Wynkoop Ste 700
Denver CO 80202

James 1-35

Job Ticket: 52188

DST#: 1

ATTN: Chris Mitchell

Test Start: 2013.05.07 @ 12:55:00

GENERAL INFORMATION:

Formation: **Plattsmouth**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:31:50

Time Test Ended: 22:55:19

Test Type: Conventional Straddle (Initial)

Tester: Cody Bloedorn

Unit No: 41

Interval: 3139.00 ft (KB) To 3157.00 ft (KB) (TVD)

Reference Elevations: 1996.00 ft (KB)

Total Depth: 3267.00 ft (KB) (TVD)

1986.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 6752 Inside

Press @ RunDepth: 113.48 psig @ 3140.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.05.07

End Date: 2013.05.07

Last Calib.: 2013.05.07

Start Time: 12:55:01

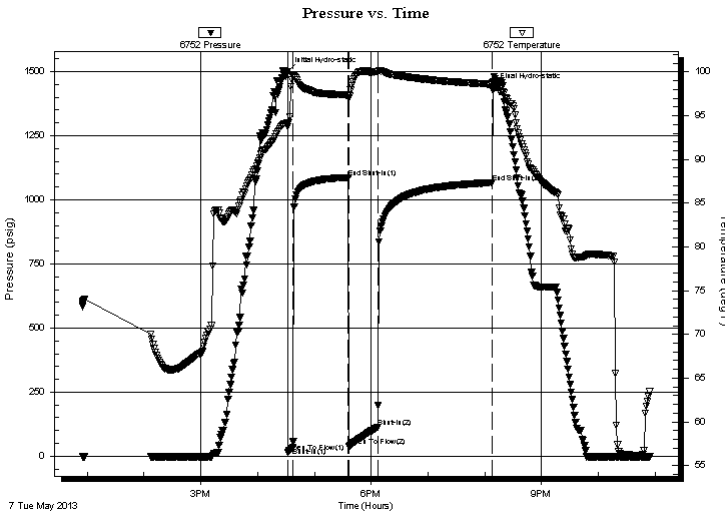
End Time: 22:55:19

Time On Btm: 2013.05.07 @ 16:31:40

Time Off Btm: 2013.05.07 @ 20:08:30

TEST COMMENT: 05 - IF- 4" blow
60 - IS- No return
30 - FF-9" blow
120 - FS- surface blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1498.79	94.20	Initial Hydro-static
1	13.72	93.73	Open To Flow (1)
6	33.13	99.51	Shut-In(1)
65	1087.11	97.36	End Shut-In(1)
65	38.54	97.04	Open To Flow (2)
95	113.48	100.08	Shut-In(2)
217	1066.84	98.59	End Shut-In(2)
217	1435.79	98.75	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	MW, 30%M, 70%W	0.87
138.00	Water, 100%W	1.94
1.00	Free Oil	0.01

Gas Rates

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



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FLUID SUMMARY

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ATTN: Chris Mitchell

Test Start: 2013.05.07 @ 12:55:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	MW, 30%M, 70%W	0.870
138.00	Water, 100%W	1.936
1.00	Free Oil	0.014

Total Length: 201.00 ft Total Volume: 2.820 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

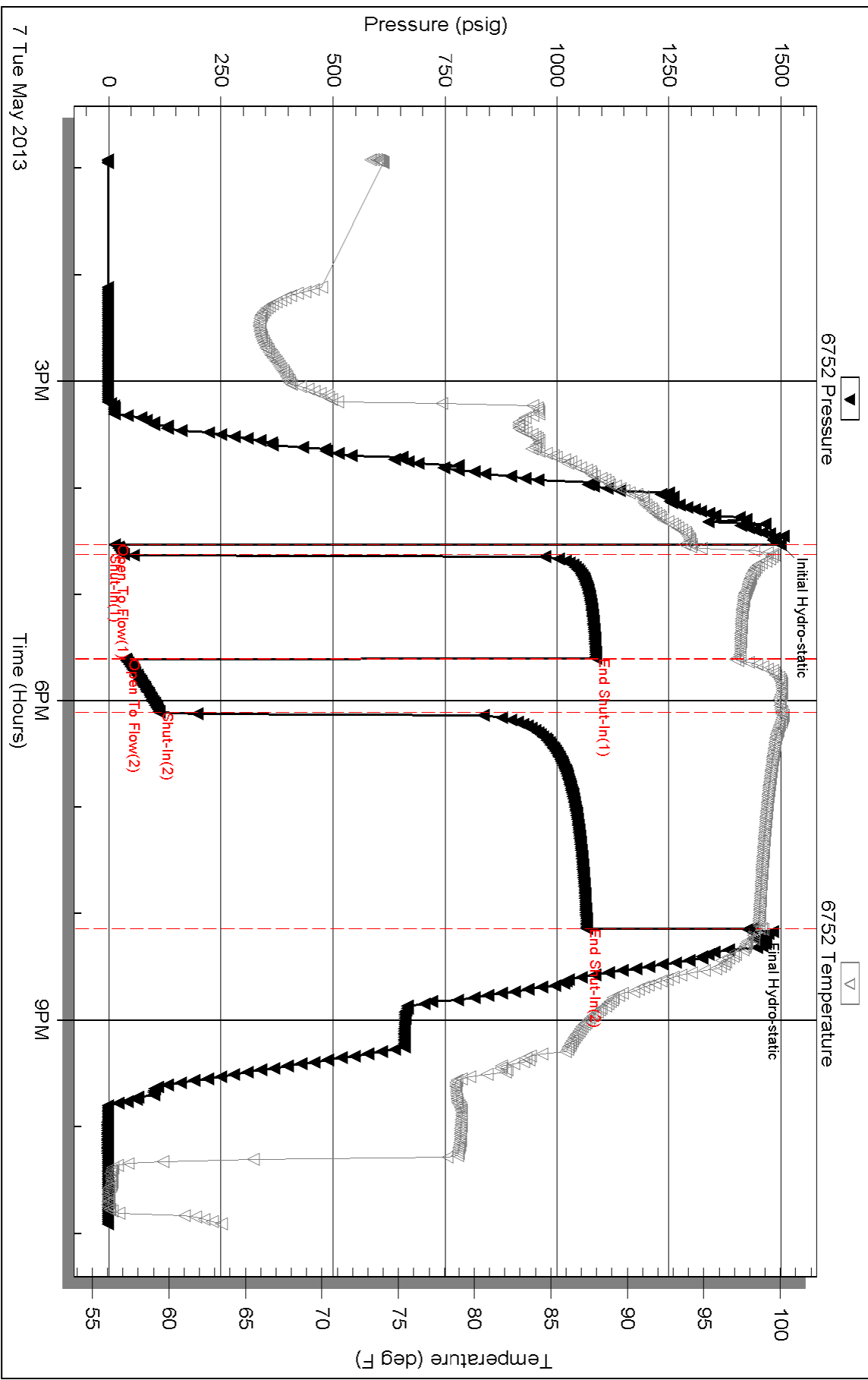
Serial #:

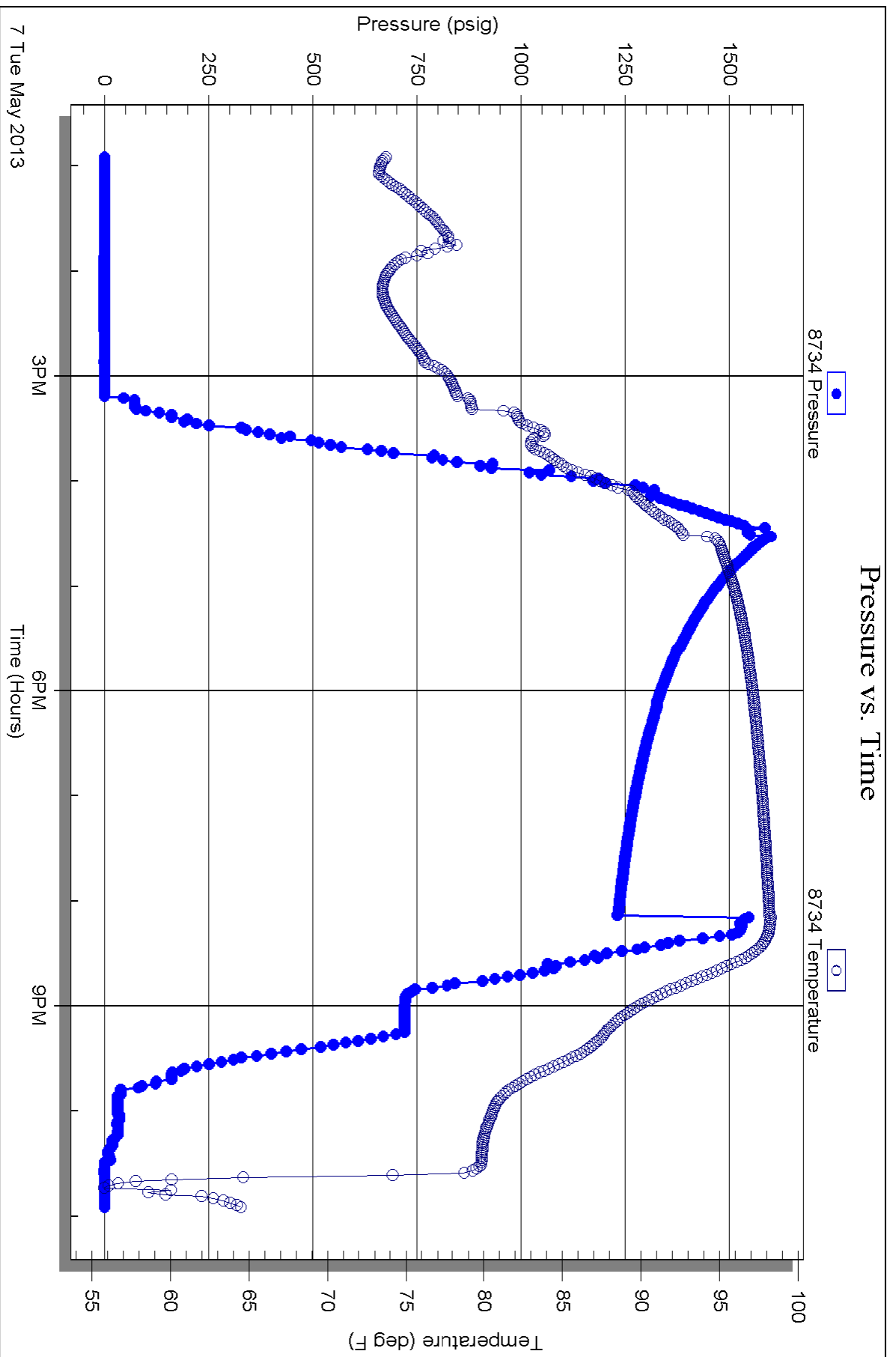
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





Serial #: 8736

Fluid

Samuel Gary Jr. & Associates

James 1-35

DST Test Number: 1

