



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates Inc

5-12-22, Trego, KS

1515 Wynkoop Ste
700 Denver CO 80202

Babb #1-5

Job Ticket: 54113

DST#: 1

ATTN: Dan Pritchard

Test Start: 2014.04.06 @ 03:30:00

GENERAL INFORMATION:

Formation: **KC "F-G"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:37:00

Time Test Ended: 11:23:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Brett Dickinson

Unit No: 59

Interval: 3720.00 ft (KB) To 3770.00 ft (KB) (TVD)

Reference Elevations: 2376.00 ft (KB)

Total Depth: 3770.00 ft (KB) (TVD)

2368.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8934

Inside

Press@RunDepth: 116.27 psig @ 3724.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.04.06

End Date:

2014.04.06

Last Calib.:

2014.04.06

Start Time: 03:30:05

End Time:

11:23:29

Time On Btm:

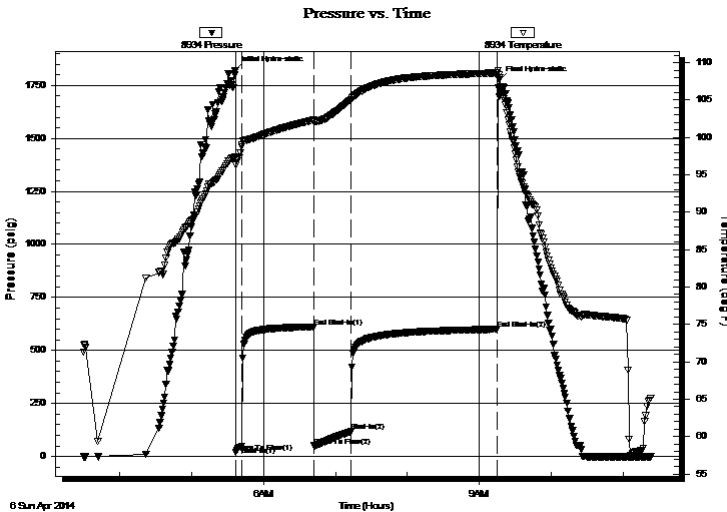
2014.04.06 @ 05:36:15

Time Off Btm:

2014.04.06 @ 09:16:30

TEST COMMENT: 5min- IF-4in blow
60min- ISI-No blow
30min- FF-BOB in 23min
120min- FSI-No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1819.75	97.39	Initial Hydro-static
1	19.79	96.28	Open To Flow (1)
6	47.60	99.03	Shut-In(1)
66	610.93	102.33	End Shut-In(1)
66	49.39	102.05	Open To Flow (2)
97	116.27	105.03	Shut-In(2)
219	599.91	108.63	End Shut-In(2)
221	1775.03	108.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
125.00	SMCW 90%W 10%M	1.48
80.00	MCW 70%W 30%M	1.12

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr. & Associates Inc

5-12-22, Trego, KS

1515 Wynkoop Ste
700 Denver CO 80202

Babb #1-5

Job Ticket: 54113

DST#: 1

ATTN: Dan Pritchard

Test Start: 2014.04.06 @ 03:30:00

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:

72000 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
125.00	SMCW 90%W 10%M	1.480
80.00	MCW 70%W 30%M	1.122

Total Length: 205.00 ft Total Volume: 2.602 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler Data 200ml Mud 1800ml Water 125 PSI
RW .13 @ 60

Serial #: 8934

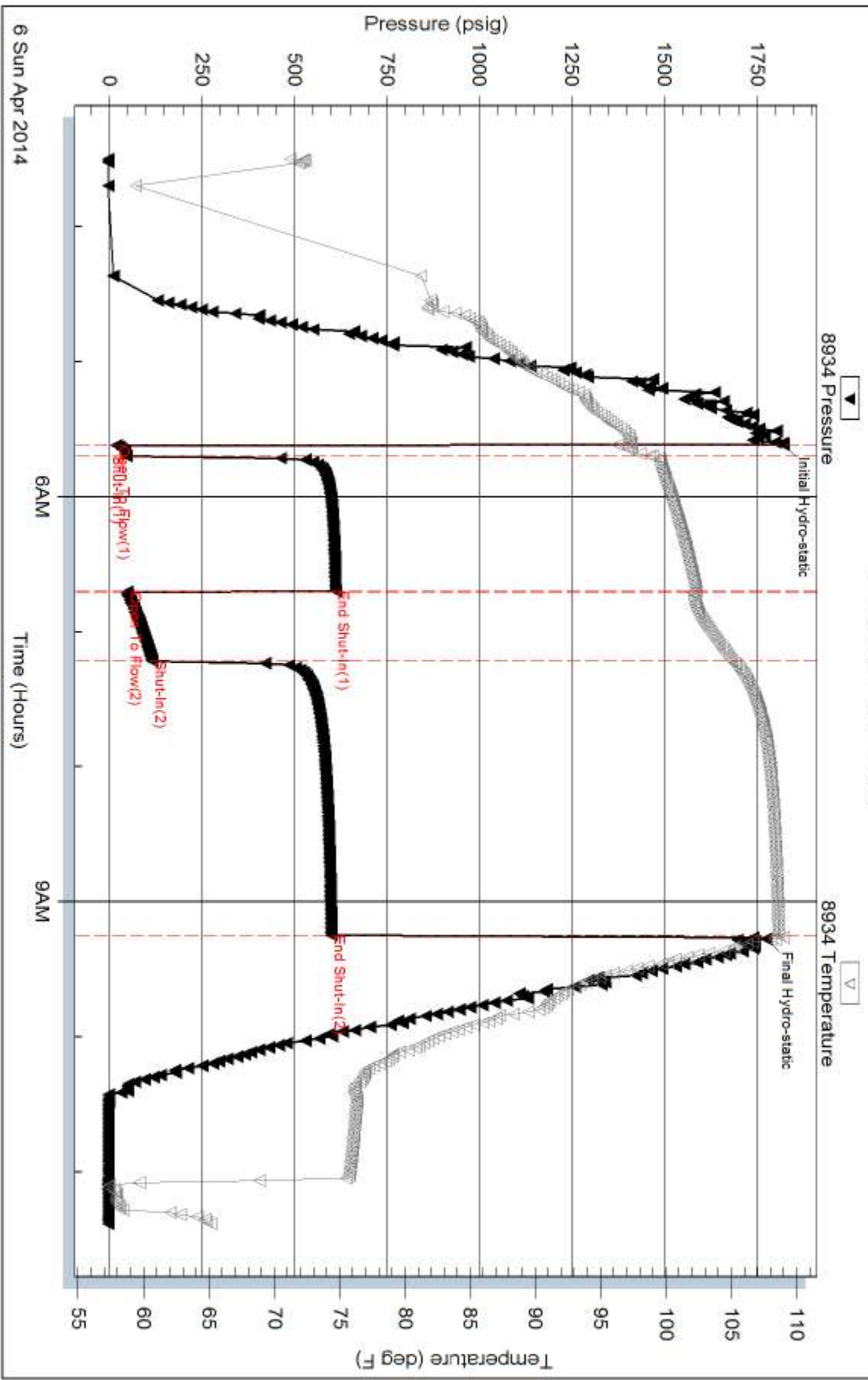
Inside

Samuel Gary Jr. & Associates Inc

Babb #1-5

DST Test Number: 1

Pressure vs. Time



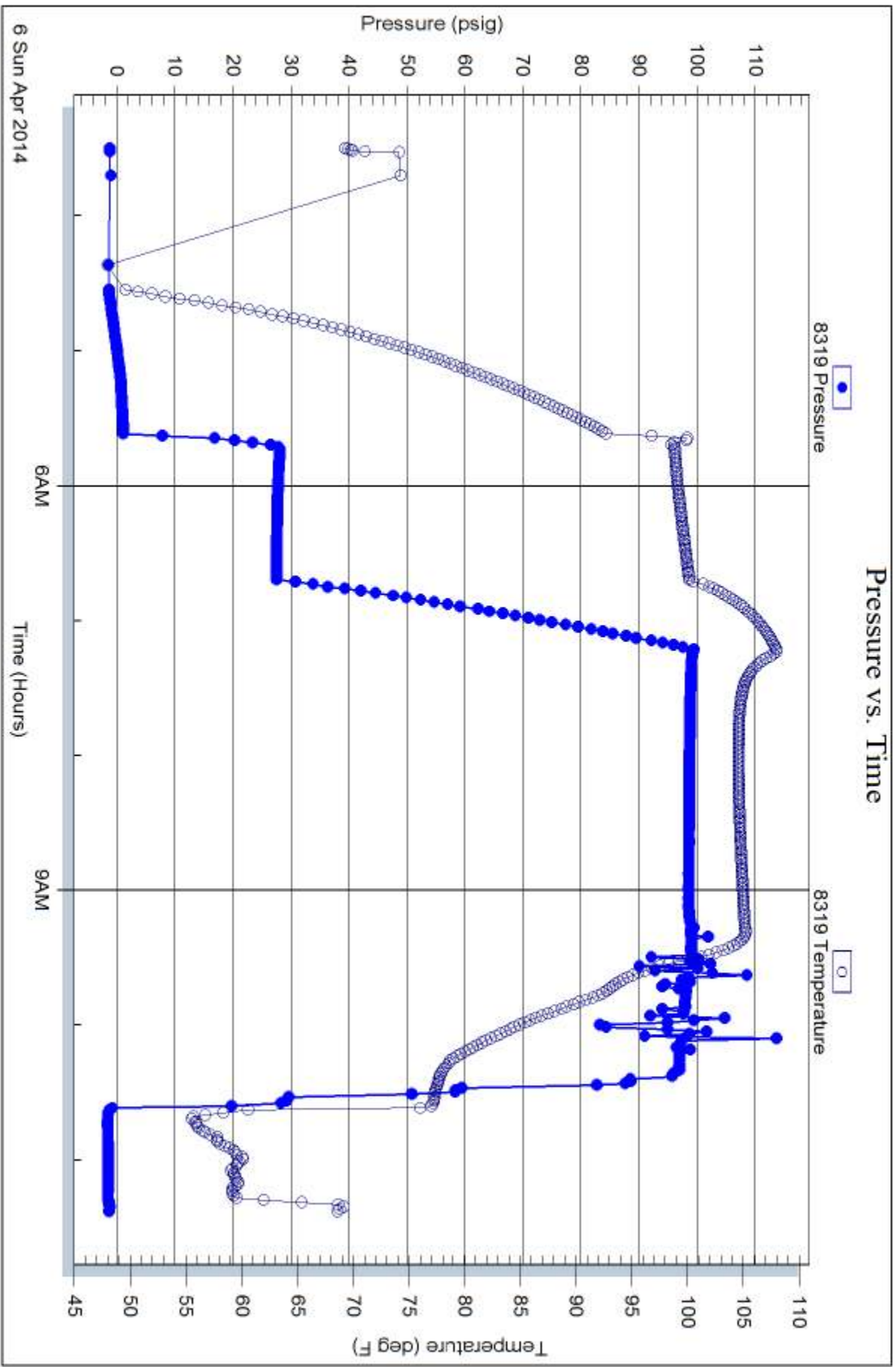
Serial #: 8319

Fluid

Samuel Gary Jr. & Associates Inc

Babb #1-5

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 54113

Printed: 2014.04.07 @ 11:34:58