



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary & Associates

1515 Wynkoop STE 700
Denevr Co 80202

ATTN: Chris Mitchell

35-16S-16W Rush

Maier Family 1-35

Job Ticket: 56186

DST#: 1

Test Start: 2014.02.17 @ 16:59:00

GENERAL INFORMATION:

Formation: **LKC F-G**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:49:45

Time Test Ended: 00:31:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Tim Phillips

Unit No: 70

Interval: 3358.00 ft (KB) To 3411.00 ft (KB) (TVD)

Reference Elevations: 2011.00 ft (KB)

Total Depth: 3411.00 ft (KB) (TVD)

2006.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8700 Outside

Press@RunDepth: 42.77 psig @ 3358.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.02.17

End Date:

2014.02.18

Last Calib.:

2014.02.18

Start Time: 16:59:05

End Time:

00:30:44

Time On Btm:

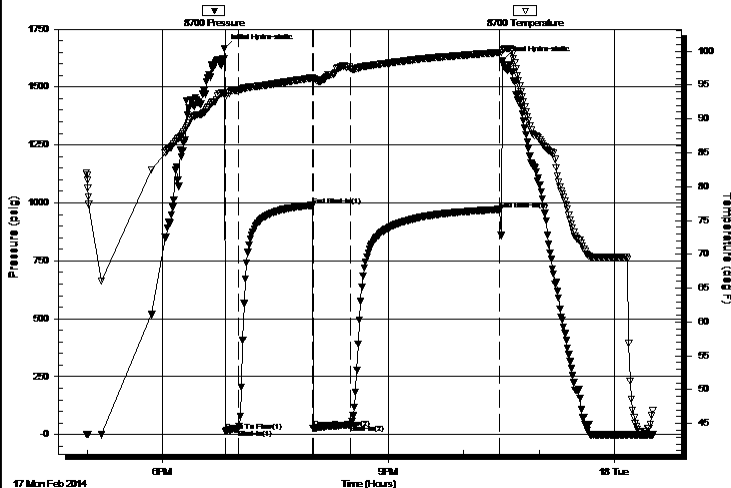
2014.02.17 @ 18:49:00

Time Off Btm:

2014.02.17 @ 22:31:00

TEST COMMENT: IFP-10- Blow built to 1 in.
ISI-60- Dead No Blow back
FF-30- Blow built to 1.25 in.
FSI-120- Dead no blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1666.67	93.90	Initial Hydro-static
1	16.16	93.21	Open To Flow (1)
11	25.11	94.20	Shut-In(1)
71	988.85	96.06	End Shut-In(1)
71	27.44	95.81	Open To Flow (2)
101	42.77	97.44	Shut-In(2)
220	971.93	99.81	End Shut-In(2)
222	1613.13	100.12	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	Mud	0.28

Gas Rates

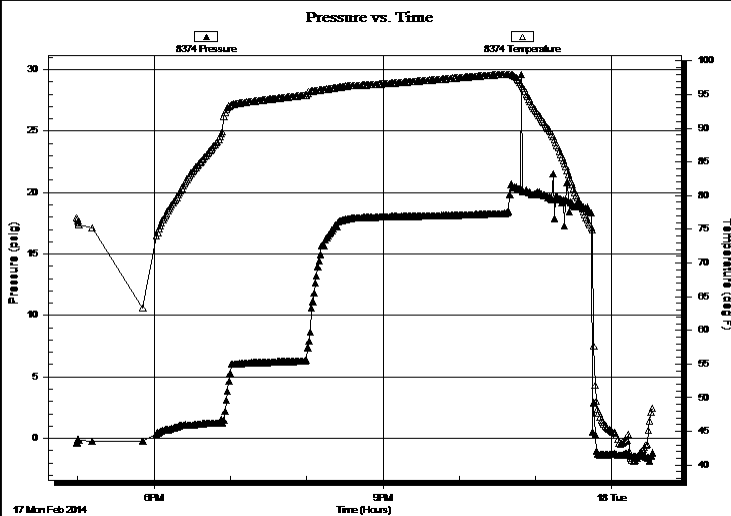
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
--	----------------	-----------------	------------------



Test Start: 2014.02.17 @ 16:59:00

KB to GR/CF: 5.00 ft

TEST COMMENT: IFP-10- Blow built to 1 in.
ISI-60- Dead No Blow back
FF-30- Blow built to 1.25 in.
FSI-120- Dead no blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
40.00	Mud	0.28

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary & Associates

35-16S-16W Rush

1515 Wynkoop STE 700
Denevr Co 80202

Maier Family 1-35

Job Ticket: 56186

DST#: 1

ATTN: Chris Mitchell

Test Start: 2014.02.17 @ 16:59:00

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: 56.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8300.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	Mud	0.279

Total Length: 40.00 ft Total Volume: 0.279 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler 200mL M 95 psi

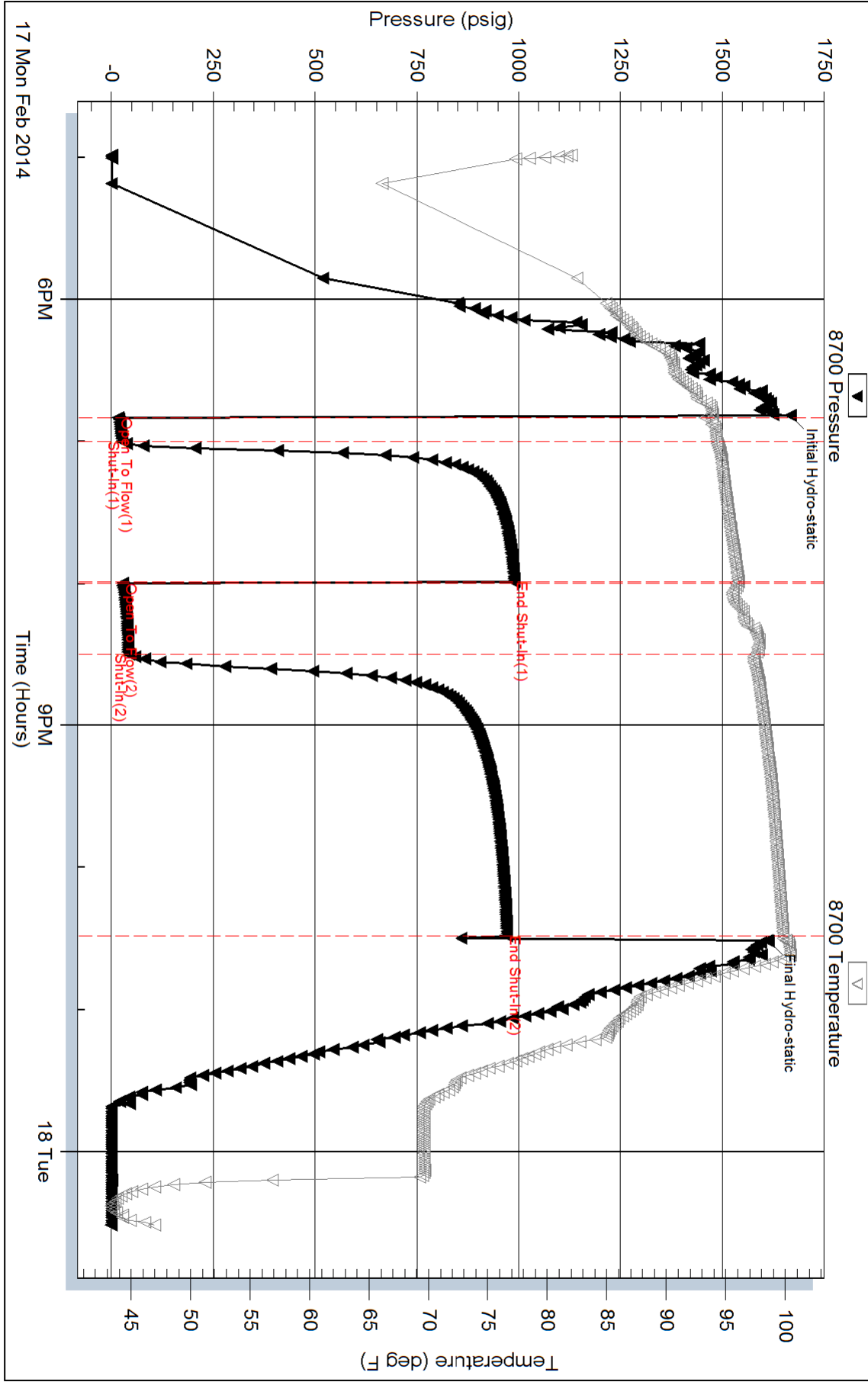
Serial #: 8700

Outside Samuel Gary & Associates

Maier Family 1-35

DST Test Number: 1

Pressure vs. Time



Serial #: 8374

Fluid

Samuel Gary & Associates

Maier Family 1-35

DST Test Number: 1

