



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Samuel Gary Jr and Associates Inc

**31-11s-21w**

1515 Wynkoop Ste 700  
Denver Co 80202

**Shubert Et Al 2-31**

ATTN: Chis Mitchell

Job Ticket: 44316

**DST#: 1**

Test Start: 2012.11.18 @ 22:13:48

## GENERAL INFORMATION:

Formation: **Lansing- A-C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:04:18

Time Test Ended: 06:15:18

Test Type: Conventional Bottom Hole (Initial)

Tester: Jeff Brown

Unit No: 44

**Interval: 3595.00 ft (KB) To 3655.00 ft (KB) (TVD)**

Reference Elevations: 2314.00 ft (KB)

Total Depth: 3655.00 ft (KB) (TVD)

2306.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

**Serial #: 8737 Outside**

Press @ Run Depth: 189.80 psig @ 3632.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.11.18

End Date:

2012.11.19

Last Calib.:

2012.11.19

Start Time:

22:13:49

End Time:

06:13:18

Time On Btm:

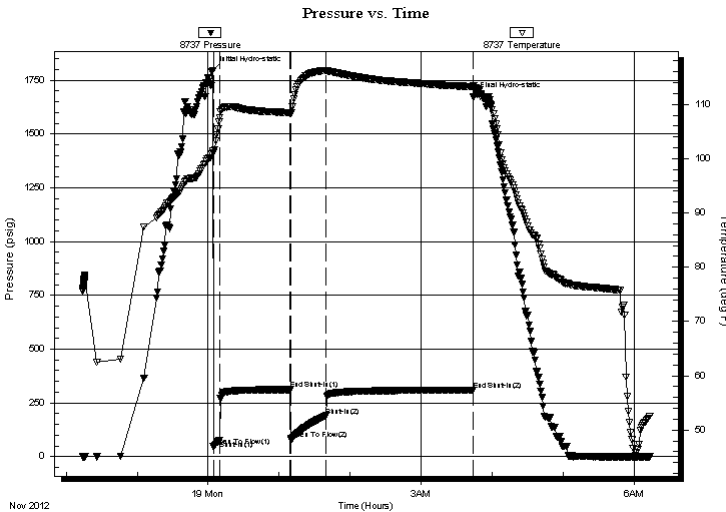
2012.11.19 @ 00:03:48

Time Off Btm:

2012.11.19 @ 03:44:18

**TEST COMMENT:** IFP-Fair blow built to 9 in  
ISI-Dead no blow back  
FFP-Good blow BOB in 10 1/2 min  
FSI-Dead no blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1796.48	101.34	Initial Hydro-static
1	45.57	101.11	Open To Flow (1)
6	75.85	107.62	Shut-In(1)
66	311.47	108.48	End Shut-In(1)
66	80.69	108.36	Open To Flow (2)
96	189.80	116.25	Shut-In(2)
220	309.51	113.28	End Shut-In(2)
221	1672.64	113.50	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
256.00	MW 10%M 90%W	3.59
62.00	WM 10%W 90%M	0.87

## Gas Rates

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





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**FLUID SUMMARY**

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Job Ticket: 44316

**DST#: 1**

ATTN: Chis Mitchell

Test Start: 2012.11.18 @ 22:13:48

## 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: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
256.00	MW 10%M 90%W	3.591
62.00	WM 10%W 90%M	0.870

Total Length: 318.00 ft      Total Volume: 4.461 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

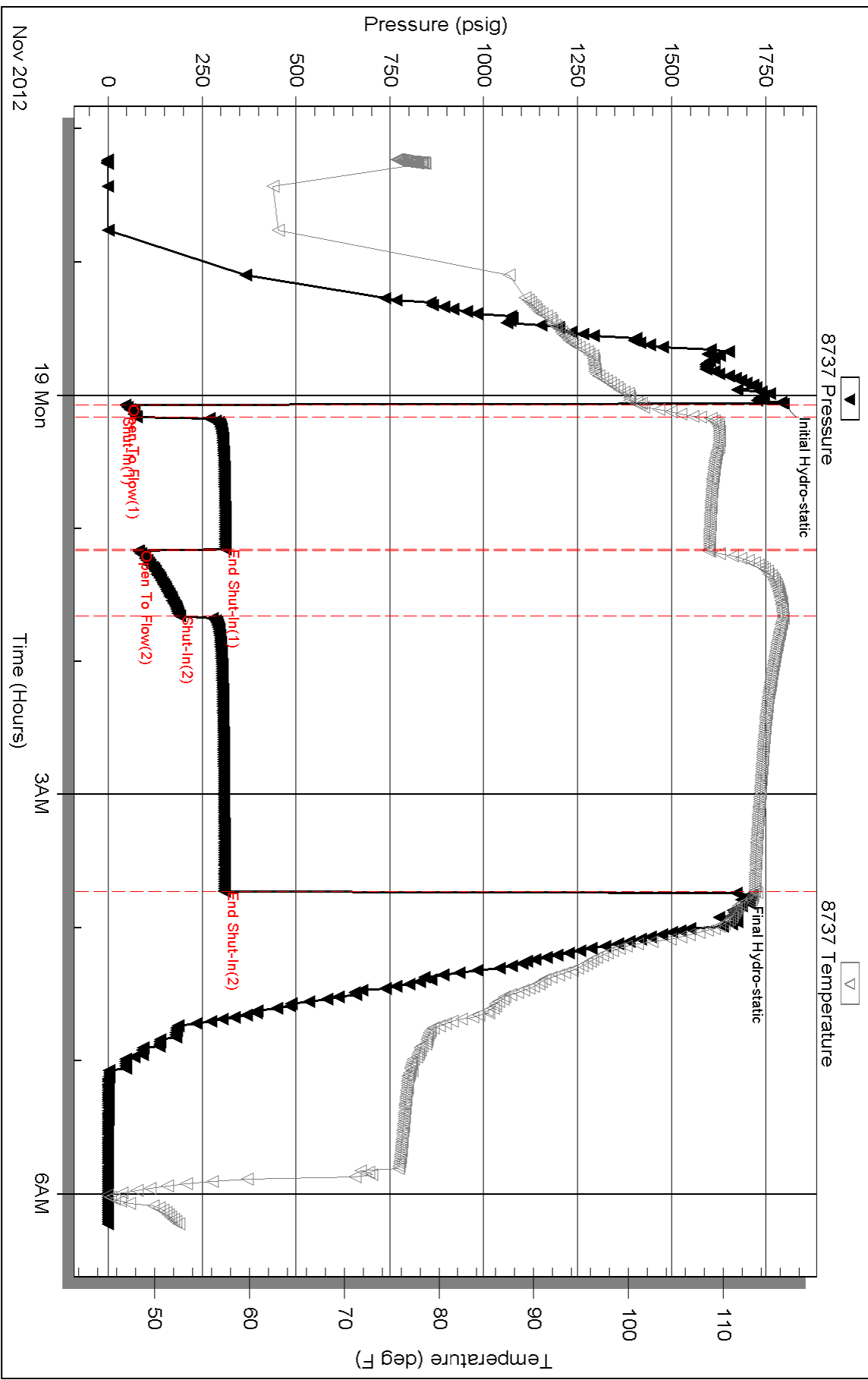
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 2000 MI Of total Fluid 1800 MI Of Water  
200 MI Of Mud 260 Psi

### Pressure vs. Time



Serial #: 8679

Fluid

Samuel Gary Jr and Associates Inc

Shubert B AI 2-31

DST Test Number: 1

