



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Samuel Gary JR & Assc. INC

**19 4 31 Rawlins KS**

1515 Wynkoop STE 700  
Denver CO 80202

**Schmidt 1-19**

Job Ticket: 59993

**DST#: 1**

ATTN: Chris Mitchell

Test Start: 2014.11.10 @ 18:00:00

## GENERAL INFORMATION:

Formation: **Douglass - LKC "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:04:30

Time Test Ended: 03:37:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Robert Zodrow

Unit No: 49

**Interval: 3782.00 ft (KB) To 3852.00 ft (KB) (TVD)**

Reference Elevations: 2817.00 ft (KB)

Total Depth: 3852.00 ft (KB) (TVD)

2812.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8959 Outside**

Press @ Run Depth: 219.44 psig @ 3783.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.11.10

End Date:

2014.11.11

Last Calib.: 2014.11.11

Start Time: 18:00:05

End Time:

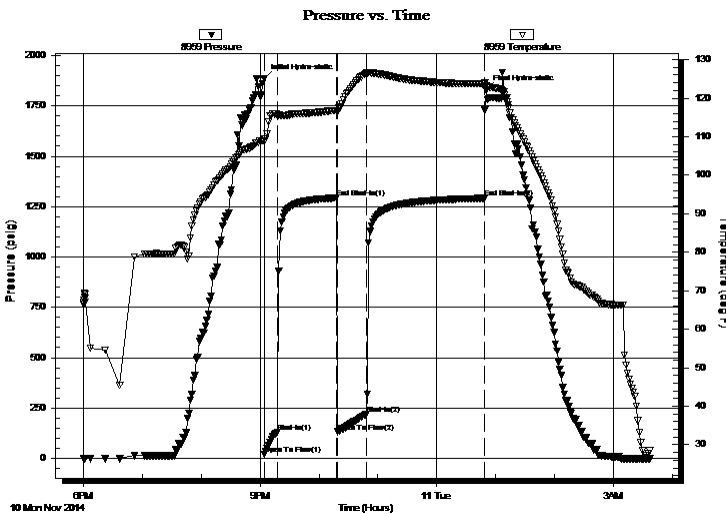
03:37:30

Time On Btm: 2014.11.10 @ 21:04:00

Time Off Btm: 2014.11.11 @ 00:51:00

**TEST COMMENT:** 14-IF- Bob in 11 mins  
60-ISI- Return built to surface died in 54 mins  
30-FF- Bob in 12 mins  
120-FSI- No return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1886.93	109.42	Initial Hydro-static
1	21.30	108.70	Open To Flow (1)
14	130.21	115.34	Shut-In(1)
74	1293.46	116.85	End Shut-In(1)
75	131.36	116.23	Open To Flow (2)
105	219.44	126.39	Shut-In(2)
225	1291.74	123.68	End Shut-In(2)
227	1830.69	122.98	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
420.00	WM 40%M 60%W	4.34

## 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: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

65000 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
420.00	WM 40%M 60%W	4.337

Total Length: 420.00 ft      Total Volume: 4.337 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

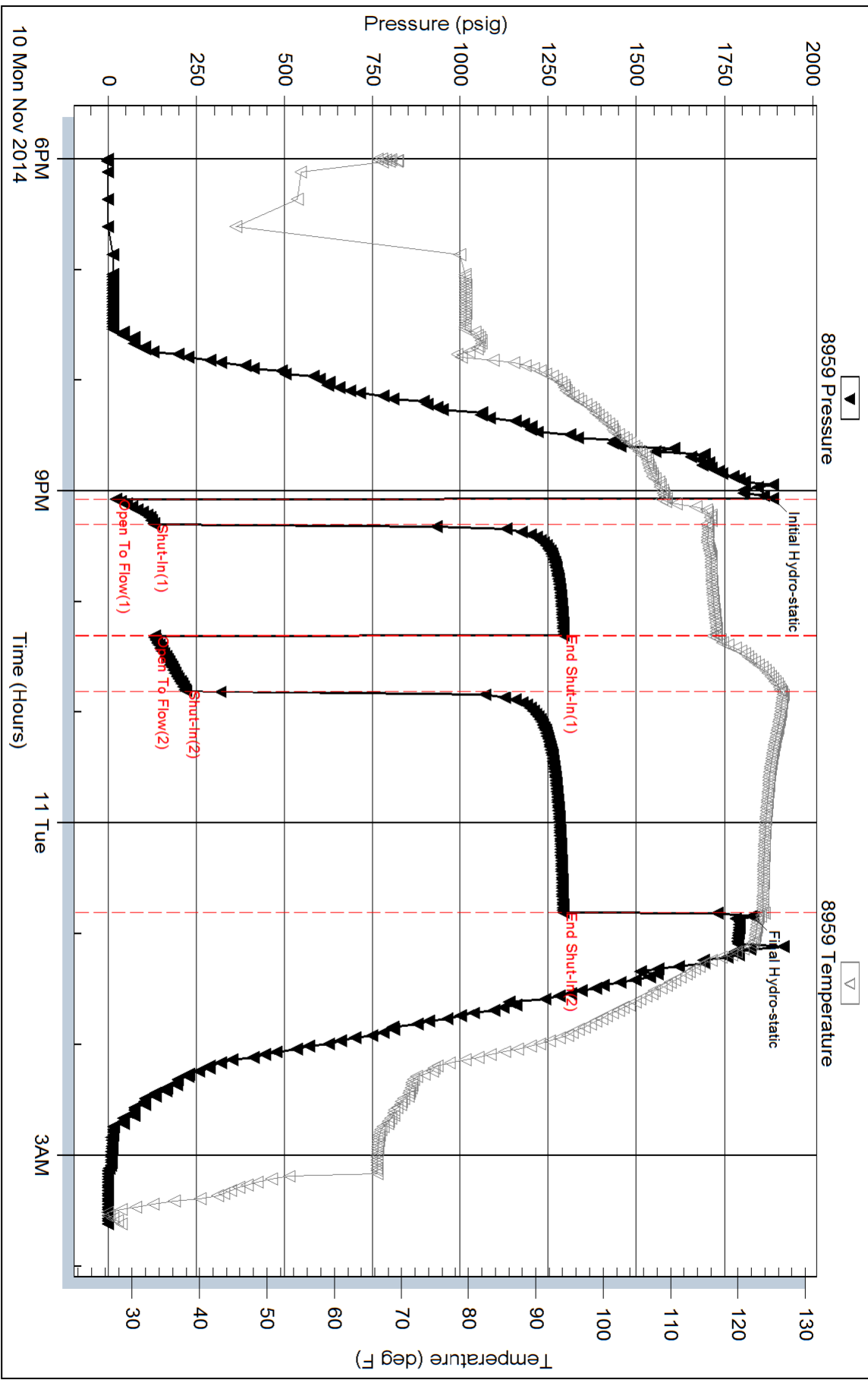
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .155@60 deg F = 65000

### Pressure vs. Time



Serial #: 8521

Inside

Samuel Gary JR & Assoc. INC

Schmidt 1-19

DST Test Number: 1

