



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Samuel Gary Jr & Associates

**23-12s-17w Ellis KS**

1515 Wynkoop STE 700  
Denver CO, 80202

**Doris Schmidt 1-23**

ATTN: Chris Mitchell

Job Ticket: 53939

**DST#: 1**

Test Start: 2013.07.30 @ 08:00:00

## GENERAL INFORMATION:

Formation: **LKC "F-H"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:54:30

Time Test Ended: 15:40:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Cody Bloedorn

Unit No: 53

**Interval: 3442.00 ft (KB) To 3527.00 ft (KB) (TVD)**

Reference Elevations: 2134.00 ft (KB)

Total Depth: 3527.00 ft (KB) (TVD)

2126.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 6799**

**Inside**

Press @ Run Depth: 58.22 psig @ 3443.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.07.30

End Date:

2013.07.30

Last Calib.: 2013.07.30

Start Time: 08:00:05

End Time:

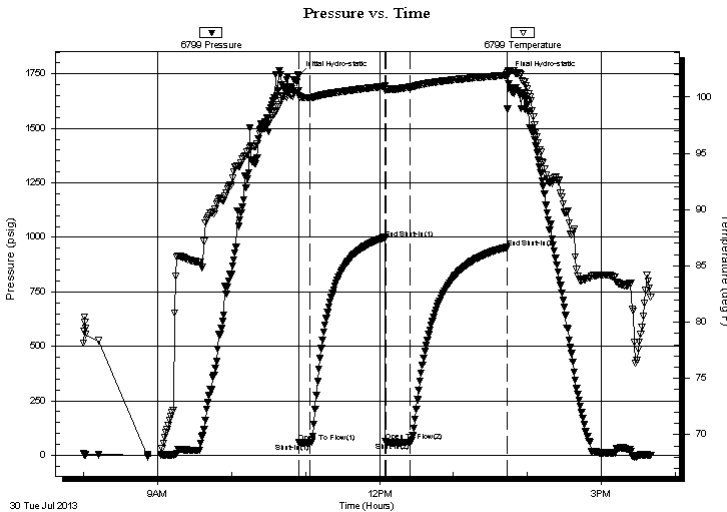
15:40:29

Time On Btm: 2013.07.30 @ 10:54:15

Time Off Btm: 2013.07.30 @ 13:44:00

**TEST COMMENT:** 10 - IF- 1/4" blow  
60 - IS- No return  
20 - FF- Surface blow  
80 - FS- No return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1740.90	100.57	Initial Hydro-static
1	59.57	100.08	Open To Flow (1)
10	54.55	99.97	Shut-In(1)
70	995.57	100.97	End Shut-In(1)
71	61.88	100.63	Open To Flow (2)
91	58.22	100.89	Shut-In(2)
170	953.37	101.96	End Shut-In(2)
170	1743.10	102.37	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud, show of oil, 100%M	0.10

## 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: 2013.07.30 @ 08:00:00

## 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: 7.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Mud, show of oil, 100%M	0.098

Total Length: 20.00 ft      Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

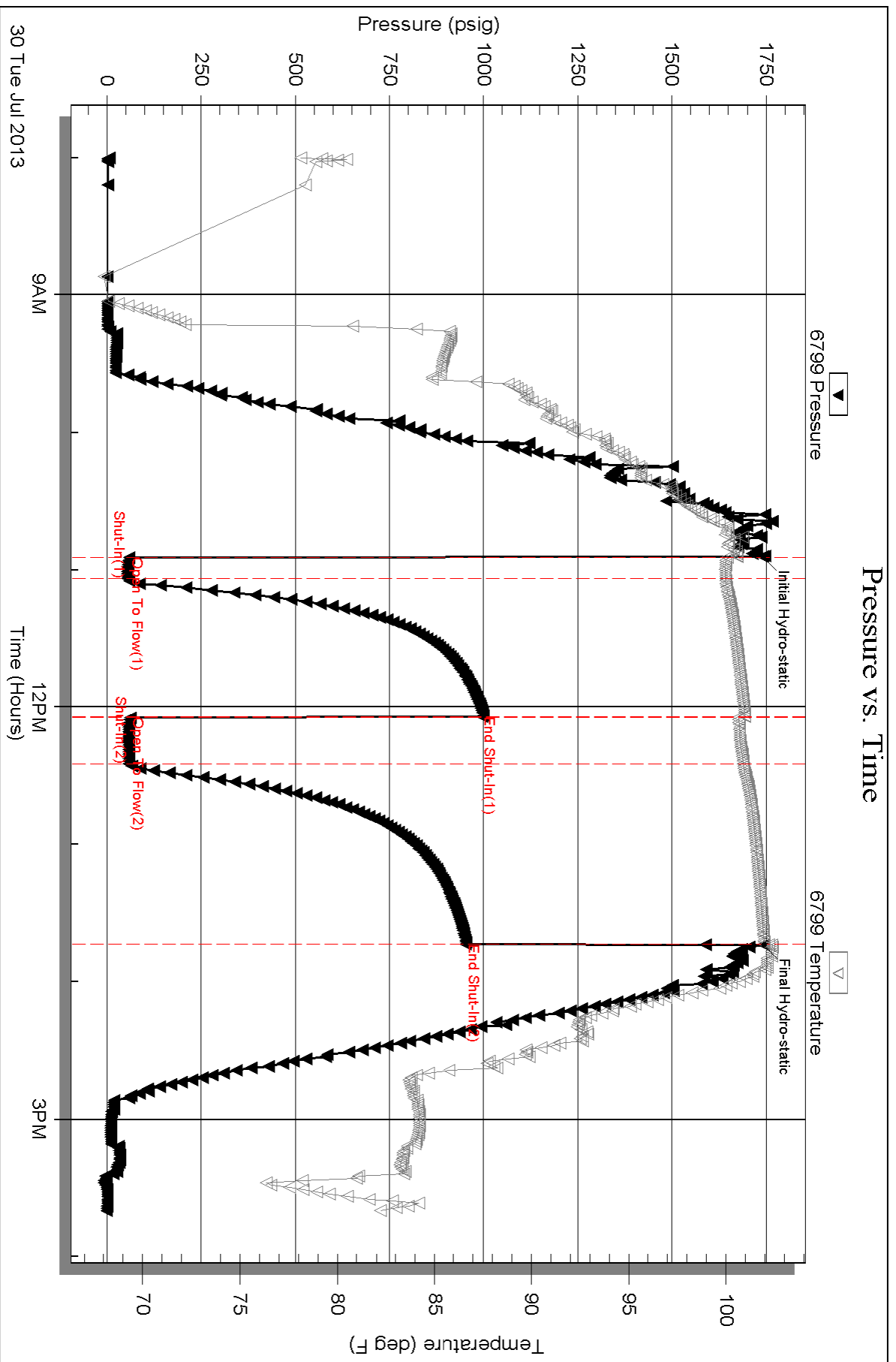
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler: 150 PSI, 300ML Mud with spots of oil

### Pressure vs. Time



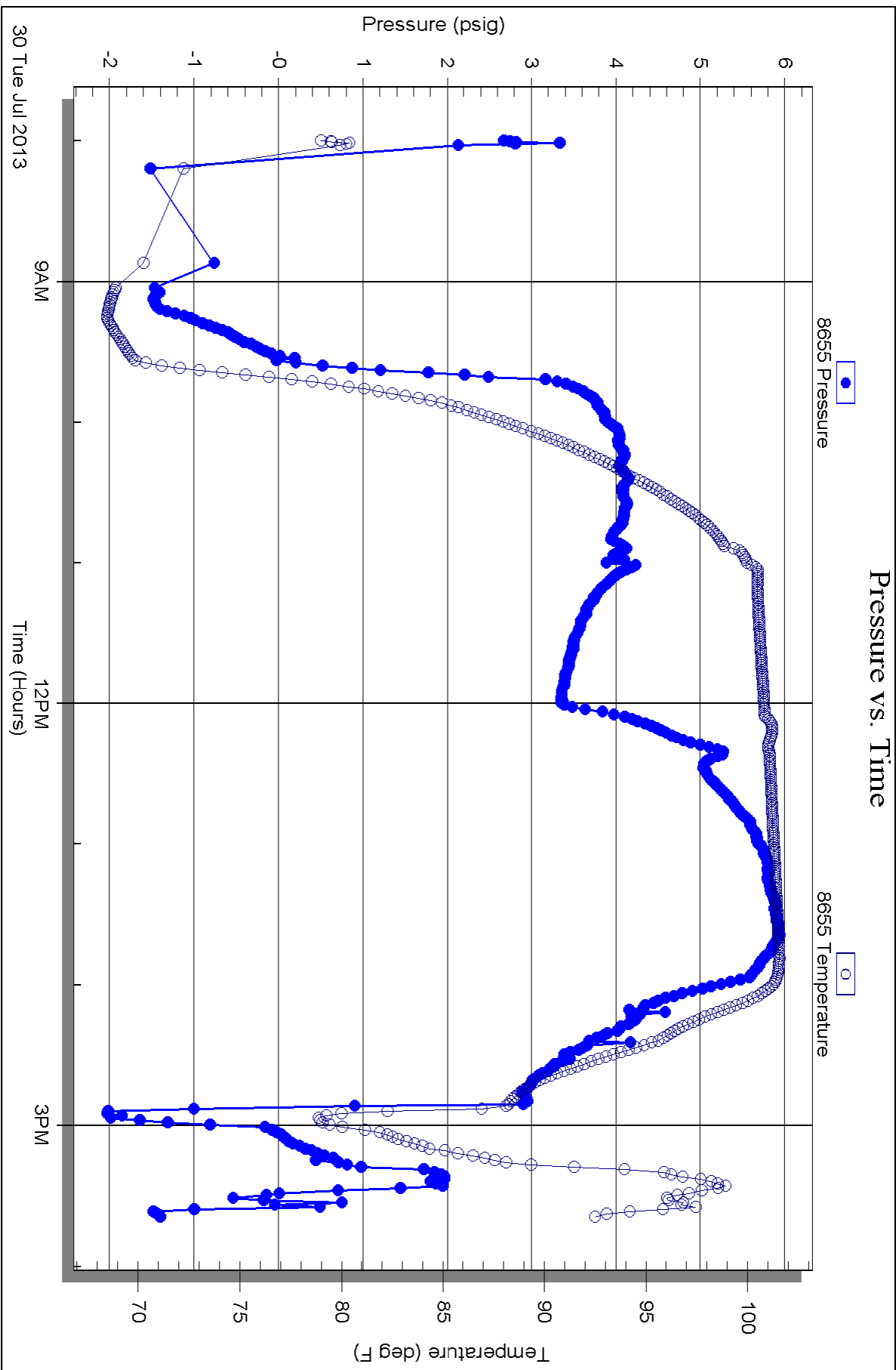
Serial #: 8655

Fluid

Samuel Gary Jr & Associates

Doris Schmidt 1-23

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 53939

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