



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Samry Gary Jr. & Associate Inc.

7-15-15, Russell, KS

1515 Wynkoop  
STE 700 Denver CO 80202

Witt #2-7

Job Ticket: 54446

DST#: 1

ATTN: Dan Pritchard

Test Start: 2013.10.06 @ 13:55:00

## GENERAL INFORMATION:

Formation: **KC "A-C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:50:30

Time Test Ended: 21:43:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Brett Dickinson

Unit No: 59

Interval: **3113.00 ft (KB) To 3172.00 ft (KB) (TVD)**

Reference Elevations: 1898.00 ft (KB)

Total Depth: 3172.00 ft (KB) (TVD)

1888.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 10.00 ft

**Serial #: 6753**

**Inside**

Press @ Run Depth: 121.53 psig @ 3116.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.10.06

End Date:

2013.10.06

Last Calib.:

2013.10.06

Start Time: 13:55:05

End Time:

21:43:29

Time On Btm:

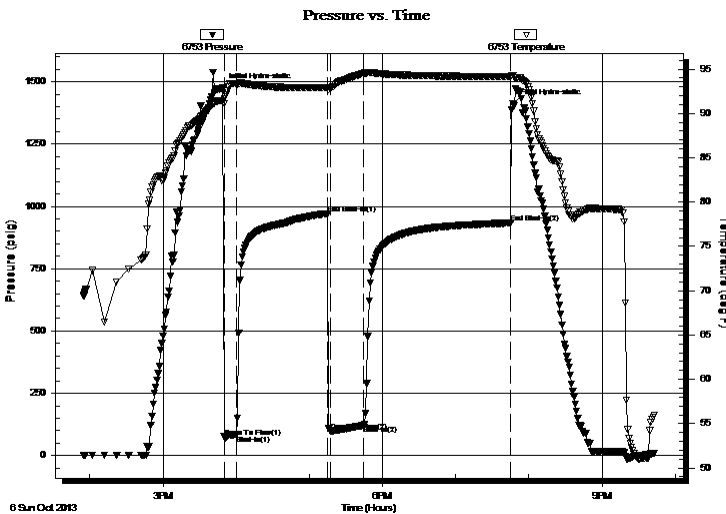
2013.10.06 @ 15:49:00

Time Off Btm:

2013.10.06 @ 19:47:00

**TEST COMMENT:** 10min IF-1/4in blow  
60min ISI-No blow  
30min FF-BOB in 21min  
120min FSI-1 1/4in blow died in 1 3/4 hrs

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1475.01	91.48	Initial Hydro-static
2	74.53	91.65	Open To Flow (1)
11	83.29	93.26	Shut-In(1)
86	970.47	92.90	End Shut-In(1)
89	97.23	92.89	Open To Flow (2)
116	121.53	94.51	Shut-In(2)
236	933.76	94.14	End Shut-In(2)
238	1410.77	94.24	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
65.00	SGOWCM 10%G 5%O 15%W 70%M	0.91
120.00	SGOWCM 5%G 5%O 40%W 50%M	1.68

## Gas Rates

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







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**FLUID SUMMARY**

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Job Ticket: 54446

**DST#: 1**

ATTN: Dan Pritchard

Test Start: 2013.10.06 @ 13:55:00

## 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:

94000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.60 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5200.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	SGOWCM 10%G 5%O 15%W 70%M	0.912
120.00	SGOWCM 5%G 5%O 40%W 50%M	1.683

Total Length: 185.00 ft      Total Volume: 2.595 bbl

Num Fluid Samples: 0

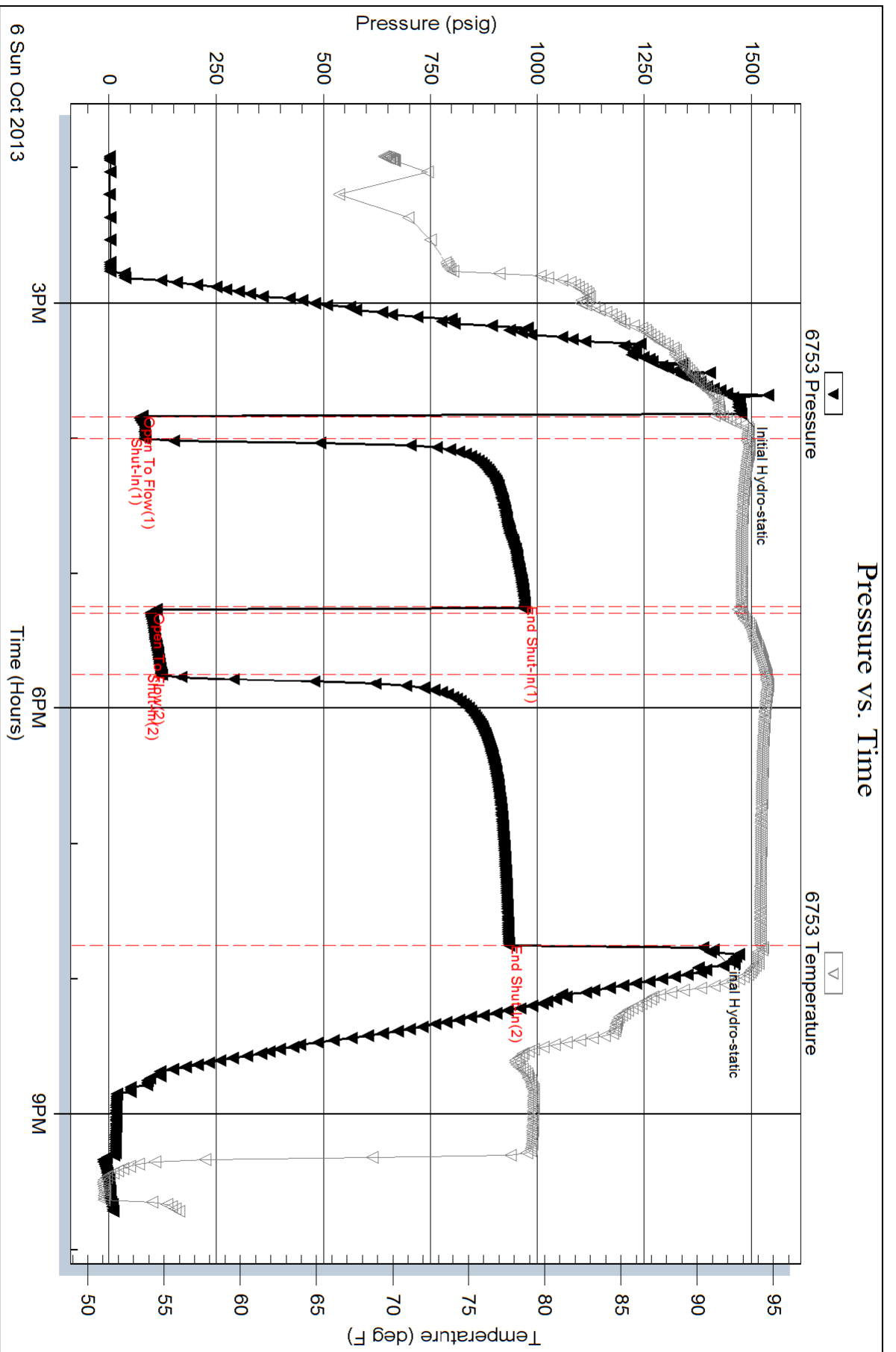
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler Data 250mlG 250mlOi 100mlM 1400mlW 650PSI  
RW .1 @ 60



Serial #: 8319

Fluid

Sammy Gary Jr. & Associate Inc.

Well #2-7

DST Test Number: 1

