



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Samuel Gary Jr

Sec. 35-4s-24w Norton, KS

1515 Wynkoop
STE 700
Denver, CO 80202
ATTN: Chris Mitchell

Steven #1-35

Job Ticket: 60983

DST#: 2

Test Start: 2014.11.25 @ 00:01:00

GENERAL INFORMATION:

Formation: **Toronto- LKC "A"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 02:43:20 Tester: Phillip Gage
 Time Test Ended: 08:24:39 Unit No: 77
 Interval: **3476.00 ft (KB) To 3520.00 ft (KB) (TVD)** Reference Elevations: 2382.00 ft (KB)
 Total Depth: 3520.00 ft (KB) (TVD) 2374.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

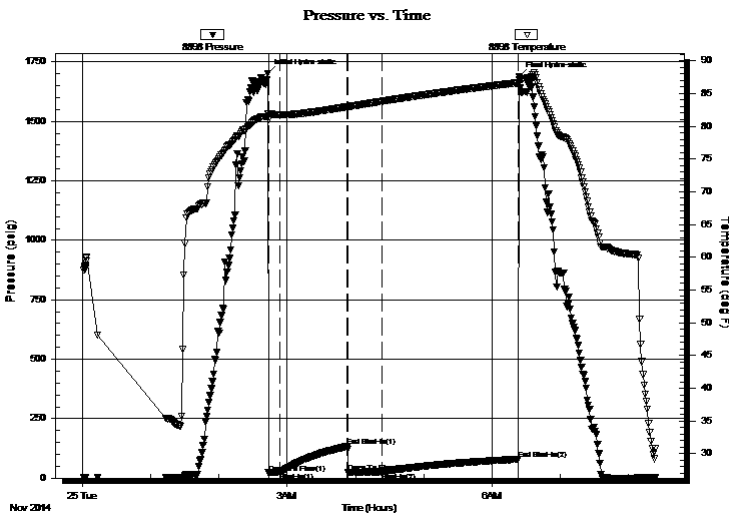
Serial #: 8898

Outside

Press@RunDepth: 25.88 psig @ 3477.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.11.25 End Date: 2014.11.25 Last Calib.: 2014.11.25
 Start Time: 00:01:01 End Time: 08:24:40 Time On Btm: 2014.11.25 @ 02:43:10
 Time Off Btm: 2014.11.25 @ 06:23:50

TEST COMMENT: 10-IF-Built to 3/4"
 60-ISI-1/4" Return
 30-FF-Surface Blow
 120-FSI-Weak Surface Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1702.19	81.95	Initial Hydro-static
1	21.90	81.02	Open To Flow (1)
10	23.46	81.74	Shut-In(1)
70	133.55	82.96	End Shut-In(1)
70	24.53	82.91	Open To Flow (2)
100	25.88	83.79	Shut-In(2)
220	78.87	86.62	End Shut-In(2)
221	1686.92	87.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	M, w ith oil spots, 100%m	0.02

* Recovery from multiple tests

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

Mud Weight: 9.00 lb/gal

Viscosity: 60.00 sec/qt

Water Loss: 8.79 in³

Resistivity: ohm.m

Salinity: 700.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	M, with oil spots, 100%m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

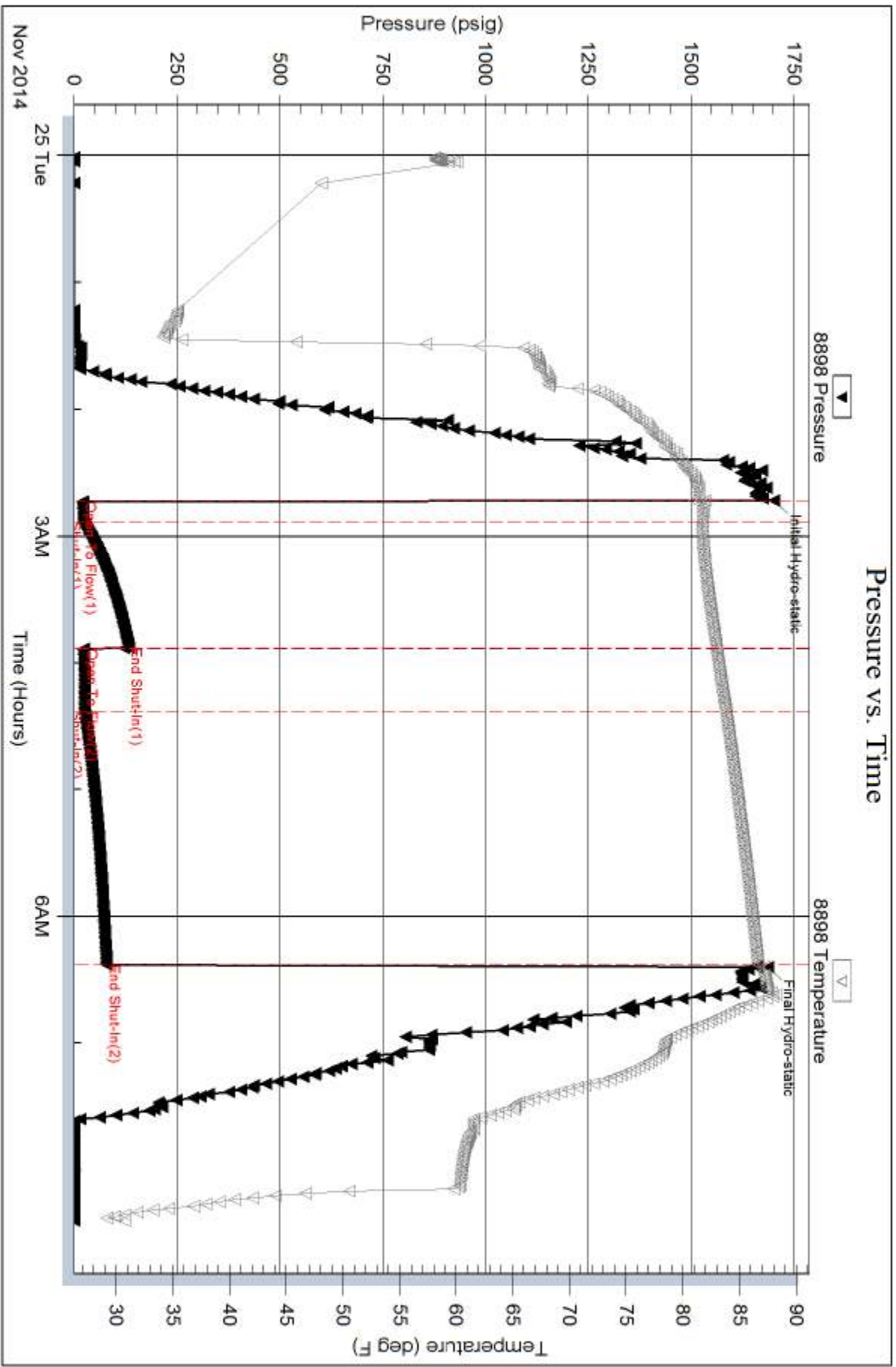
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



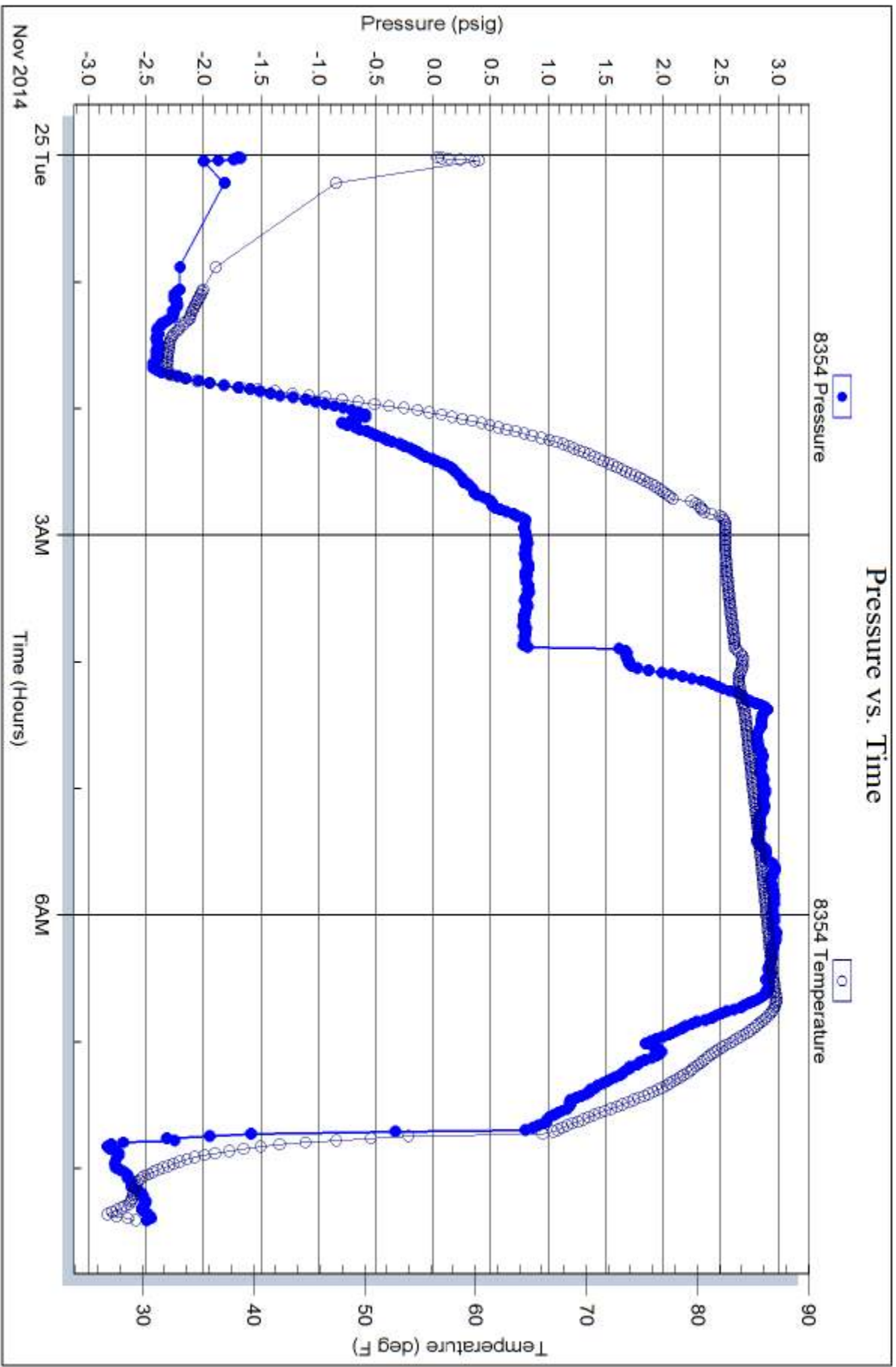
Serial #: 8354

Fluid

Samuel Gary Jr

Steven #1-35

DST Test Number: 2



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Ref. No: 60983

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