



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates, Inc.

**22-9S-16W Rooks, KS**

1515 Wynkoop Ste. 700  
Denver, CO 80202

**Casey #1-22**

Job Ticket: 58386

**DST#: 2**

ATTN: Dan Pritchard

Test Start: 2014.08.01 @ 08:31:49

## GENERAL INFORMATION:

Formation: **Toronto- "B"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:52:19

Time Test Ended: 16:41:49

Test Type: Conventional Bottom Hole (Reset)

Tester: Brannan Lonsdale

Unit No: 62

**Interval: 3186.00 ft (KB) To 3258.00 ft (KB) (TVD)**

Reference Elevations: 2081.00 ft (KB)

Total Depth: 3258.00 ft (KB) (TVD)

2073.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 8960**

**Inside**

Press@RunDepth: 31.26 psig @ 3187.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.01

End Date:

2014.08.01

Last Calib.:

2014.08.01

Start Time: 08:31:50

End Time:

16:41:49

Time On Btm:

2014.08.01 @ 09:50:19

Time Off Btm:

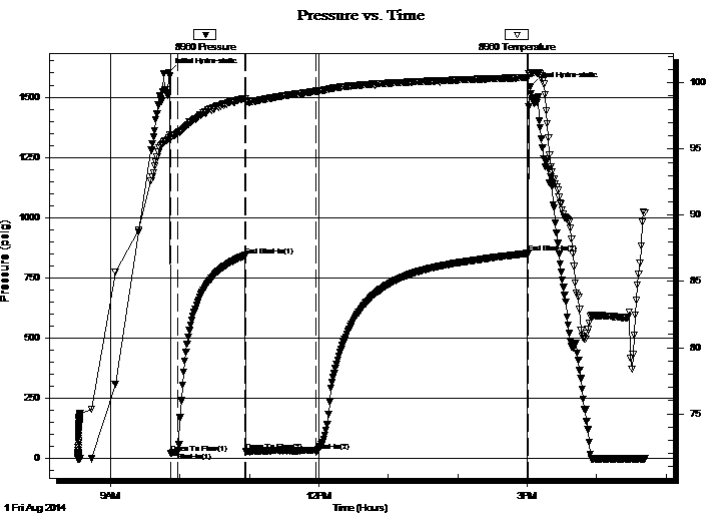
2014.08.01 @ 15:02:19

TEST COMMENT: 005- IF- Slow ly built to 1/2"

060- IS- No blow

060- FF- No blow

180- FS- No blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1602.82	95.83	Initial Hydro-static
2	21.44	95.78	Open To Flow (1)
8	25.14	96.23	Shut-In(1)
66	843.01	98.82	End Shut-In(1)
67	27.46	98.59	Open To Flow (2)
128	31.26	99.36	Shut-In(2)
311	851.38	100.40	End Shut-In(2)
312	1542.52	100.72	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	M w/ show of oil	0.15

## Gas Rates

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

\* Recovery from multiple tests



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Total Depth: 3258.00 ft (KB) (TVD)

2073.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 8651 Fluid**

Press@RunDepth: psig @ 3158.00 ft (KB)

Start Date: 2014.08.01

End Date:

2014.08.01

Start Time: 08:32:26

End Time:

16:42:25

Capacity: 8000.00 psig

Last Calib.: 2014.08.01

Time On Btm:

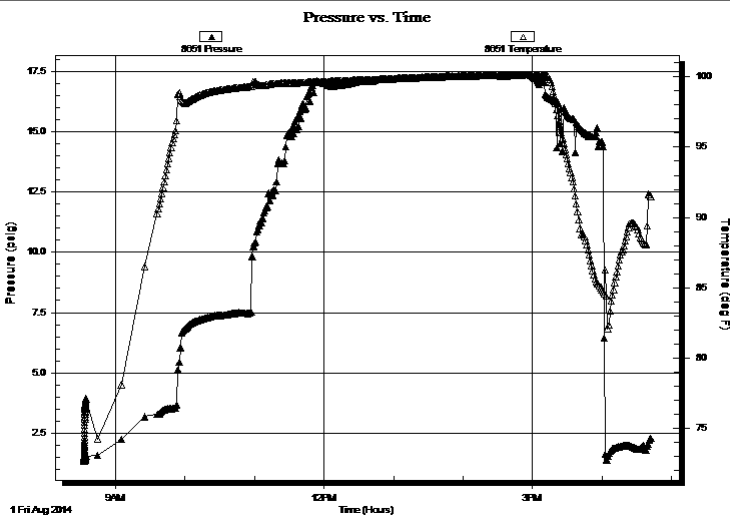
Time Off Btm:

TEST COMMENT: 005- IF- Slowly built to 1/2"

060- IS- No blow

060- FF- No blow

180- FS- No blow



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

**Recovery**

Length (ft)	Description	Volume (bbl)
30.00	Mw / show of oil	0.15

\* Recovery from multiple tests

**Gas Rates**

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Samuel Gary Jr. & Associates, Inc.

**22-9S-16W Rooks, KS**

1515 Wynkoop Ste. 700  
Denver, CO 80202

**Casey #1-22**

Job Ticket: 58386

**DST#: 2**

ATTN: Dan Pritchard

Test Start: 2014.08.01 @ 08:31:49

### 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: 61.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.39 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Mw / show of oil	0.148

Total Length: 30.00 ft      Total Volume: 0.148 bbl

Num Fluid Samples: 0

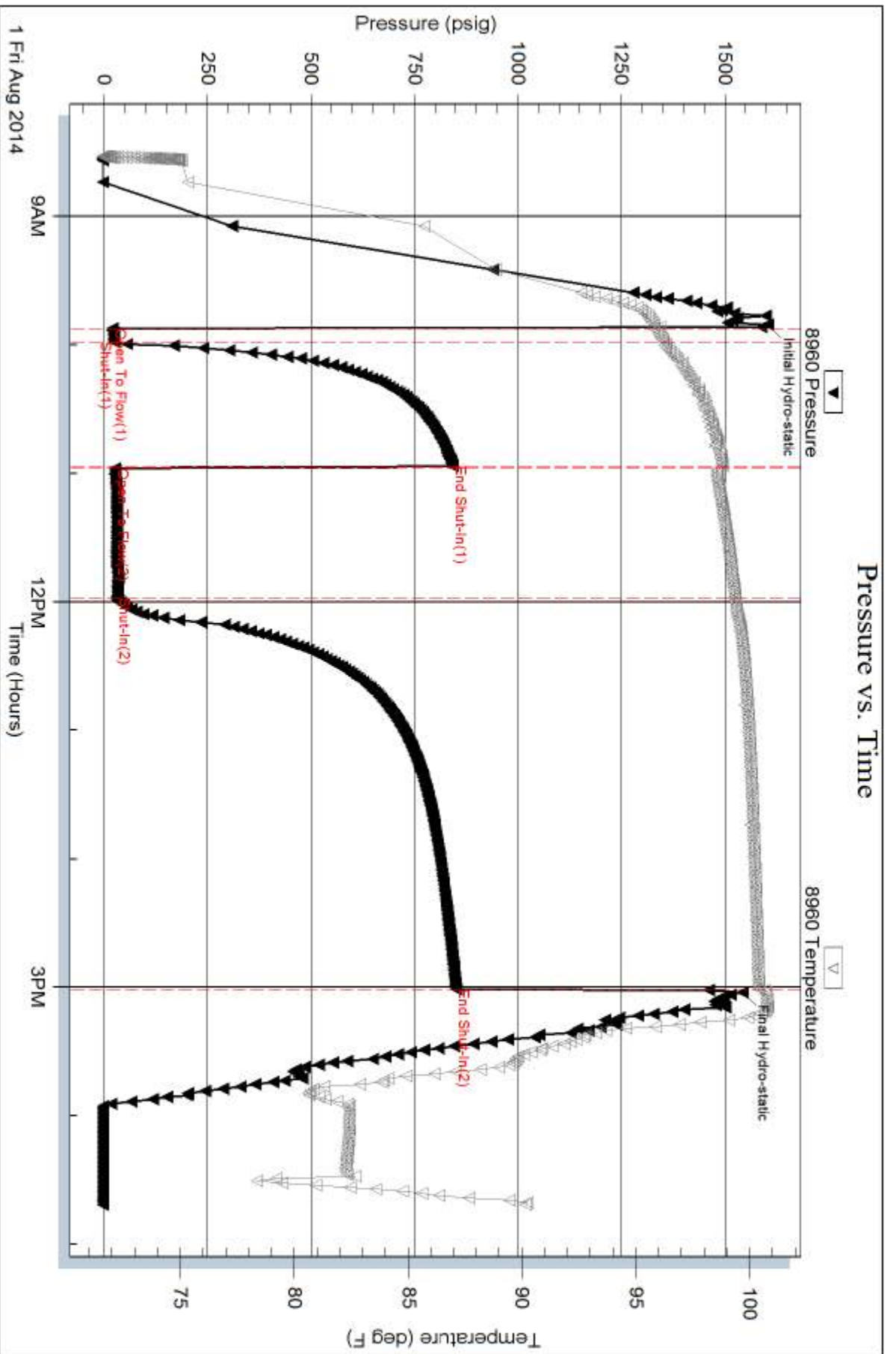
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler: 100mL O & 1900mL M @ 230PSI



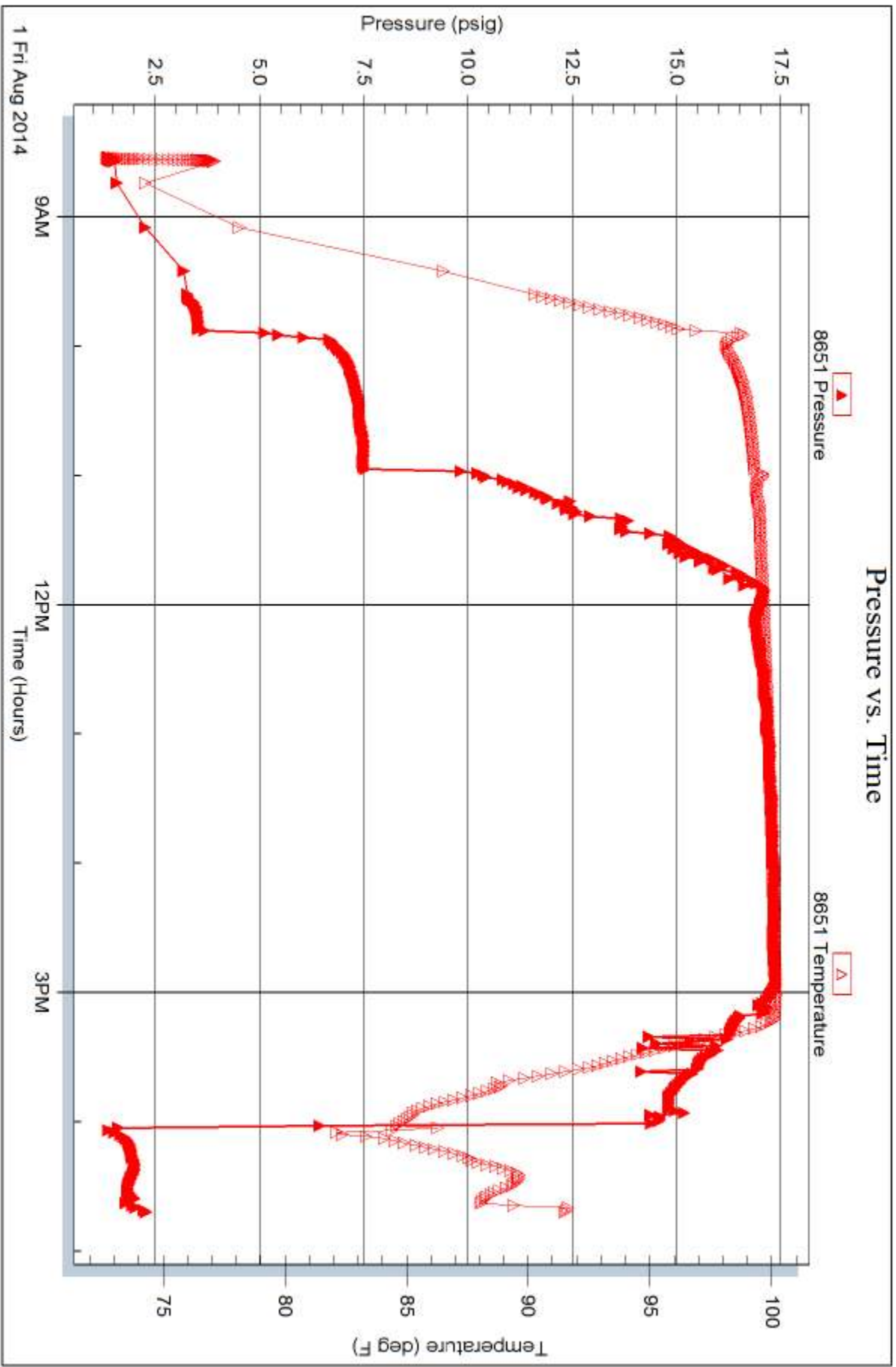
Serial #: 8651

Fluid

Samuel Gary Jr. & Associates, Inc.

Casey #1-22

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 58386

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