



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates, Inc.

**19-3S-31W Rawlins, KS**

1515 Wynkoop STE #700  
Denver, CO 80202

**Olson Trust #1-19**

Job Ticket: 53436

**DST#: 2**

ATTN: Clayton Camozzi

Test Start: 2015.06.22 @ 15:10:00

## GENERAL INFORMATION:

Formation: **LKC "I"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:55:00

Time Test Ended: 21:26:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Mack

Unit No: 82

**Interval: 4150.00 ft (KB) To 4180.00 ft (KB) (TVD)**

Total Depth: 4180.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3015.00 ft (KB)

3008.00 ft (CF)

KB to GR/CF: 7.00 ft

**Serial #: 8653 Outside**

Press @ RunDepth: 19.05 psig @ 4151.00 ft (KB)

Start Date: 2015.06.22

End Date:

2015.06.22

Start Time: 15:11:00

End Time:

21:26:00

Capacity: 8000.00 psig

Last Calib.: 2015.06.22

Time On Btm: 2015.06.22 @ 17:54:00

Time Off Btm: 2015.06.22 @ 19:26:00

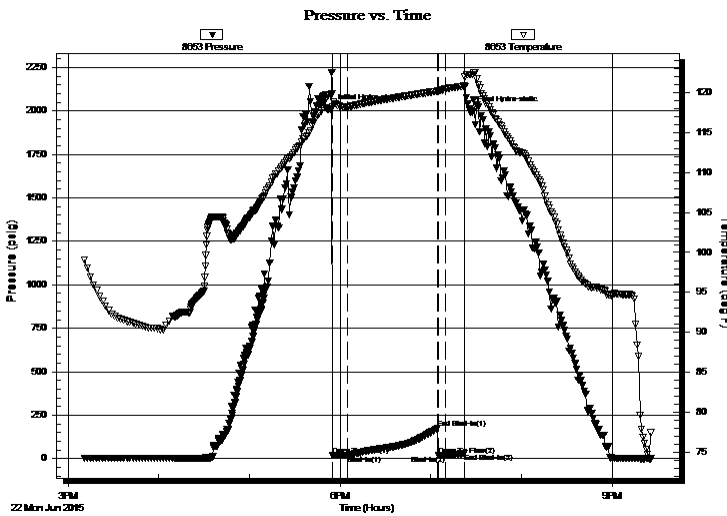
**TEST COMMENT:** 10 - IF- 1/8" Blow died in 8 minutes

60 - IS- No Return

5 - FF- No Blow

10 - FS- No Return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2011.22	119.66	Initial Hydro-static
1	19.61	118.25	Open To Flow (1)
11	19.92	118.19	Shut-In(1)
71	175.69	120.16	End Shut-In(1)
71	20.82	120.14	Open To Flow (2)
76	19.05	120.45	Shut-In(2)
88	30.21	120.77	End Shut-In(2)
92	2000.90	122.22	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100M	0.02

## Gas Rates

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



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Reference Elevations: 3015.00 ft (KB)

Total Depth: 4180.00 ft (KB) (TVD)

3008.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

**Serial #: 8874 Inside**

Press @ RunDepth: psig @ 4151.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.06.22 End Date: 2015.06.22

Last Calib.: 2015.06.22

Start Time: 15:11:00 End Time: 21:27:00

Time On Btm:

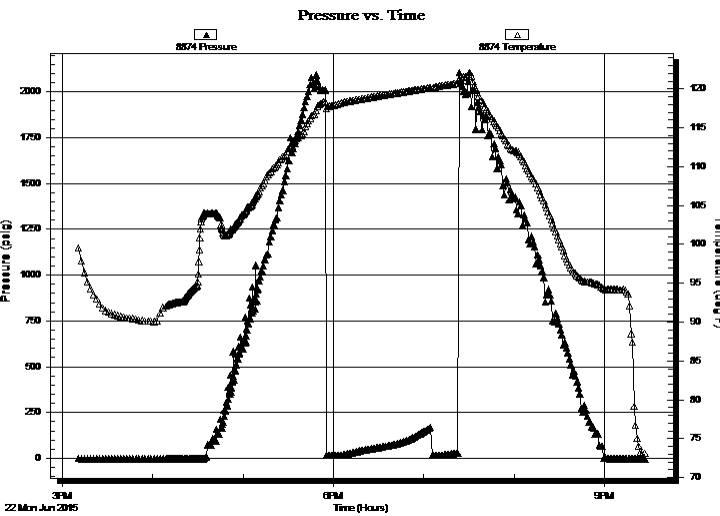
Time Off Btm:

**TEST COMMENT:** 10 - IF- 1/8" Blow died in 8 minutes

60 - IS- No Return

5 - FF- No Blow

10 - FS- No Return



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100M	0.02

## Gas Rates

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





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# DRILL STEM TEST REPORT

## FLUID SUMMARY

Samuel Gary Jr. & Associates, Inc.

**19-3S-31W Rawlins, KS**

1515 Wynkoop STE #700  
Denver, CO 80202

**Olson Trust #1-19**

Job Ticket: 53436

**DST#: 2**

ATTN: Clayton Camozzi

Test Start: 2015.06.22 @ 15:10:00

### 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: 55.00 sec/qt

Cushion Volume:

bbbl

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

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud 100M	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

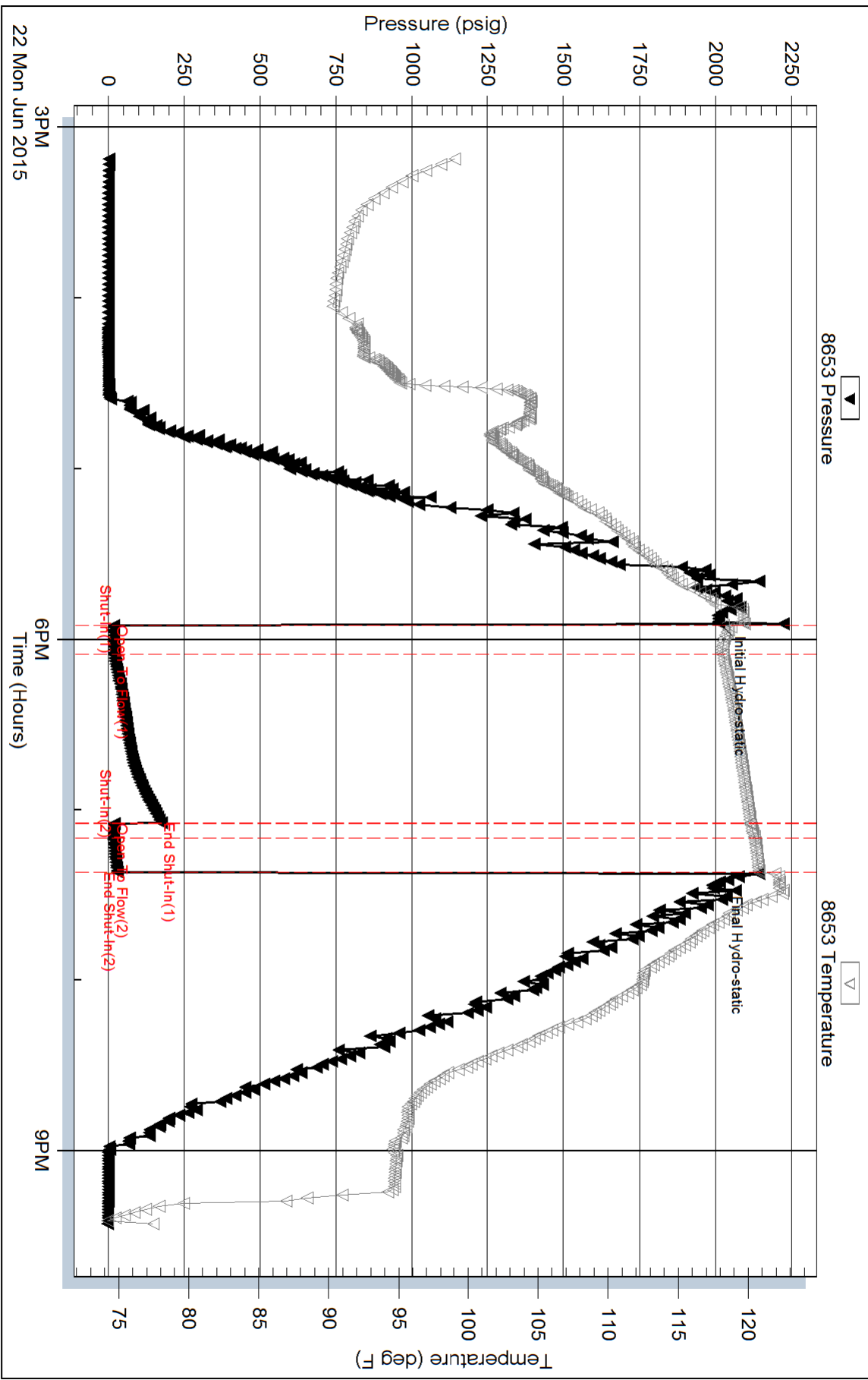
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time



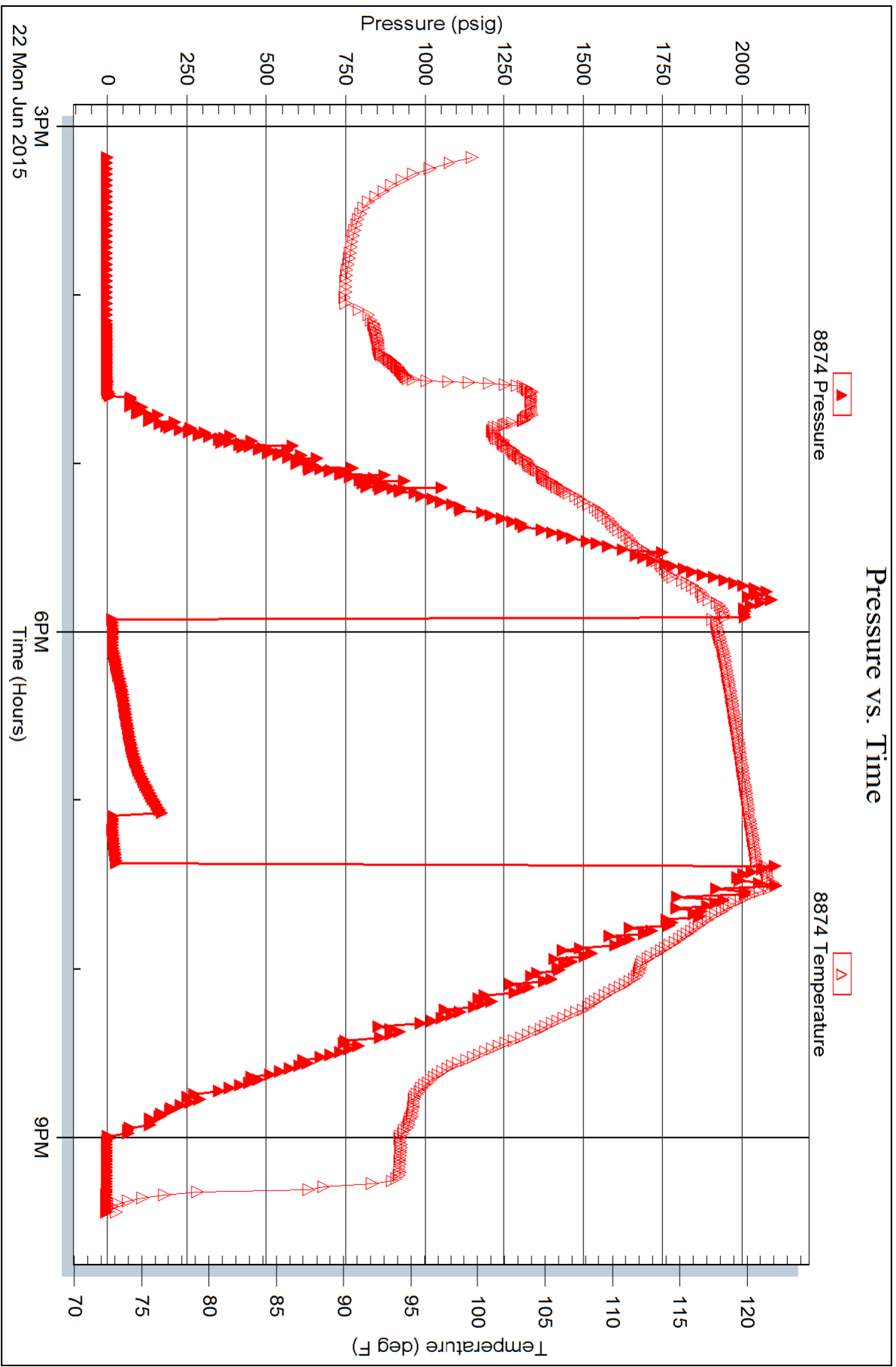
Serial #: 8874

Inside

Samuel Gary Jr. & Associates, Inc.

Olson Trust #1-19

DST Test Number: 2



Serial #: 8520

Fluid

Samuel Gary Jr. & Associates, Inc.

Olson Trust #1-19

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 53436

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