



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Samuel Gary Jr. & Ass., Inc

**Sec. 18-5s-35w Rawlins, KS**

1515 Wynkoop Ste 700  
Denver, CO 80202

**Lewis 1-18**

Job Ticket: 62474

**DST#: 1**

ATTN: Chris Mitchell

Test Start: 2015.06.28 @ 19:29:00

## GENERAL INFORMATION:

Formation: **LKC "H"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 00:15:39  
 Time Test Ended: 04:55:49  
 Interval: **4357.00 ft (KB) To 4385.00 ft (KB) (TVD)**  
 Total Depth: 4385.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Phillip Gage  
 Unit No: 77  
 Reference Elevations: 3333.00 ft (KB)  
 3328.00 ft (CF)  
 KB to GR/CF: 5.00 ft

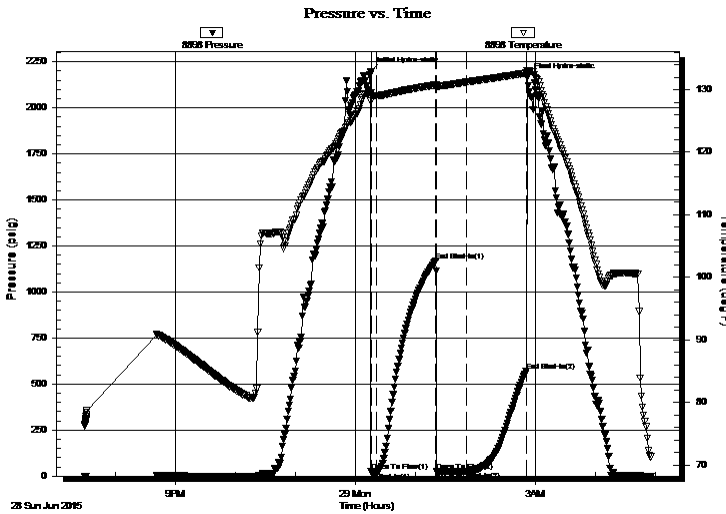
## Serial #: 8898

**Outside**

Press @ RunDepth: 26.42 psig @ 4358.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2015.06.28 End Date: 2015.06.29 Last Calib.: 2015.06.29  
 Start Time: 19:29:01 End Time: 04:55:49 Time On Btm: 2015.06.29 @ 00:15:30  
 Time Off Btm: 2015.06.29 @ 02:52:00

TEST COMMENT: 5-IF- Built to 1/4"  
 60-ISI-No Return  
 30-FF-No Blow  
 60-FSI-No Return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2198.34	129.51	Initial Hydro-static
1	23.89	128.17	Open To Flow (1)
6	22.50	129.02	Shut-In(1)
66	1170.19	130.76	End Shut-In(1)
66	24.37	130.16	Open To Flow (2)
96	26.42	131.20	Shut-In(2)
156	569.96	132.65	End Shut-In(2)
157	2163.19	133.08	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
3.00	M, w ith oil spots, 100%m	0.01

## Gas Rates

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



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Job Ticket: 62474      **DST#: 1**

Test Start: 2015.06.28 @ 19:29:00

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Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:15:39

Time Test Ended: 04:55:49

**Interval: 4357.00 ft (KB) To 4385.00 ft (KB) (TVD)**

Total Depth: 4385.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester: Phillip Gage

Unit No: 77

Reference Elevations: 3333.00 ft (KB)

3328.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 8897**

**Inside**

Press @ RunDepth:                psig @     4358.00 ft (KB)

Start Date:                     2015.06.28                End Date:                     2015.06.29      Capacity:                     8000.00 psig

Start Time:                     19:29:01                End Time:                     04:55:19      Last Calib.:                   2015.06.29

Time On Btm:

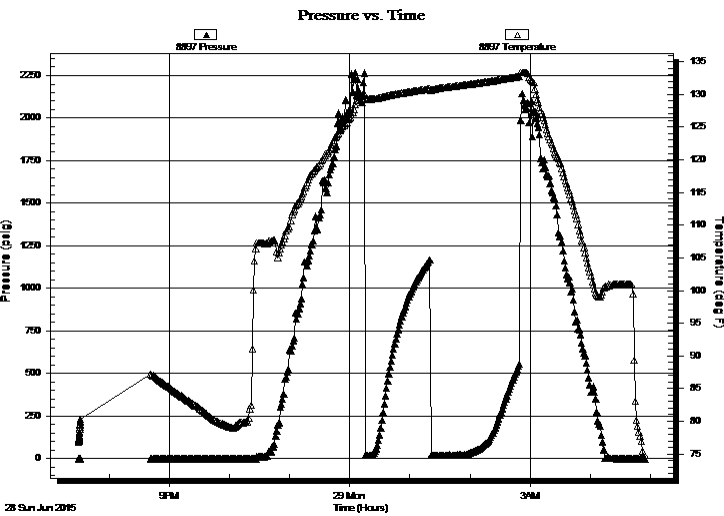
Time Off Btm:

**TEST COMMENT:** 5-IF- Built to 1/4"

60-ISI-No Return

30-FF-No Blow

60-FSI-No Return



### PRESSURE SUMMARY

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

### Recovery

Length (ft)	Description	Volume (bbl)
3.00	M, w ith oil spots, 100%m	0.01

### Gas Rates

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



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**Lewis 1-18**

Job Ticket: 62474

**DST#: 1**

ATTN: Chris Mitchell

Test Start: 2015.06.28 @ 19:29:00

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Formation: <b>LKC "H"</b>			
Deviated: No Whipstock: ft (KB)		Test Type: Conventional Bottom Hole (Initial)	
Time Tool Opened: 00:15:39		Tester: Phillip Gage	
Time Test Ended: 04:55:49		Unit No: 77	
<b>Interval: 4357.00 ft (KB) To 4385.00 ft (KB) (TVD)</b>		Reference Elevations: 3333.00 ft (KB)	
Total Depth: 4385.00 ft (KB) (TVD)		3328.00 ft (CF)	
Hole Diameter: 7.88 inches	Hole Condition: Fair	KB to GR/CF: 5.00 ft	

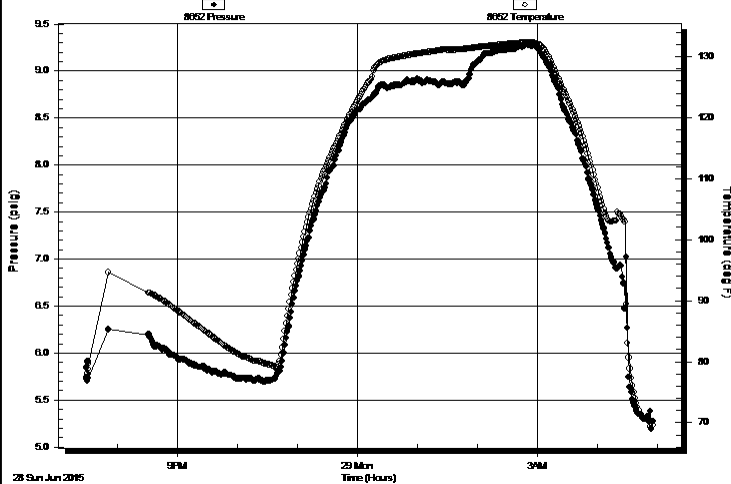
### Serial #: 8652

### Fluid

Press @ Run Depth: psig @ 4325.00 ft (KB)	Capacity: 8000.00 psig	
Start Date: 2015.06.28	End Date: 2015.06.29	Last Calib.: 2015.06.29
Start Time: 19:29:05	End Time: 04:55:00	Time On Btm:
		Time Off Btm:

TEST COMMENT: 5-IF- Built to 1/4"  
60-ISI-No Return  
30-FF-No Blow  
60-FSI-No Return

Pressure vs. Time



### PRESSURE SUMMARY

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

### Recovery

Length (ft)	Description	Volume (bbl)
3.00	M, w ith oil spots, 100% m	0.01

### Gas Rates

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



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# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Samuel Gary Jr. & Ass., Inc

**Sec. 18-5s-35w Rawlins, KS**

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**Lewis 1-18**

Job Ticket: 62474

**DST#: 1**

ATTN: Chris Mitchell

Test Start: 2015.06.28 @ 19:29:00

## 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: 2000.00 ppm

Filter Cake: 6.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	M, w ith oil spots, 100%m	0.015

Total Length: 3.00 ft      Total Volume: 0.015 bbl

Num Fluid Samples: 0

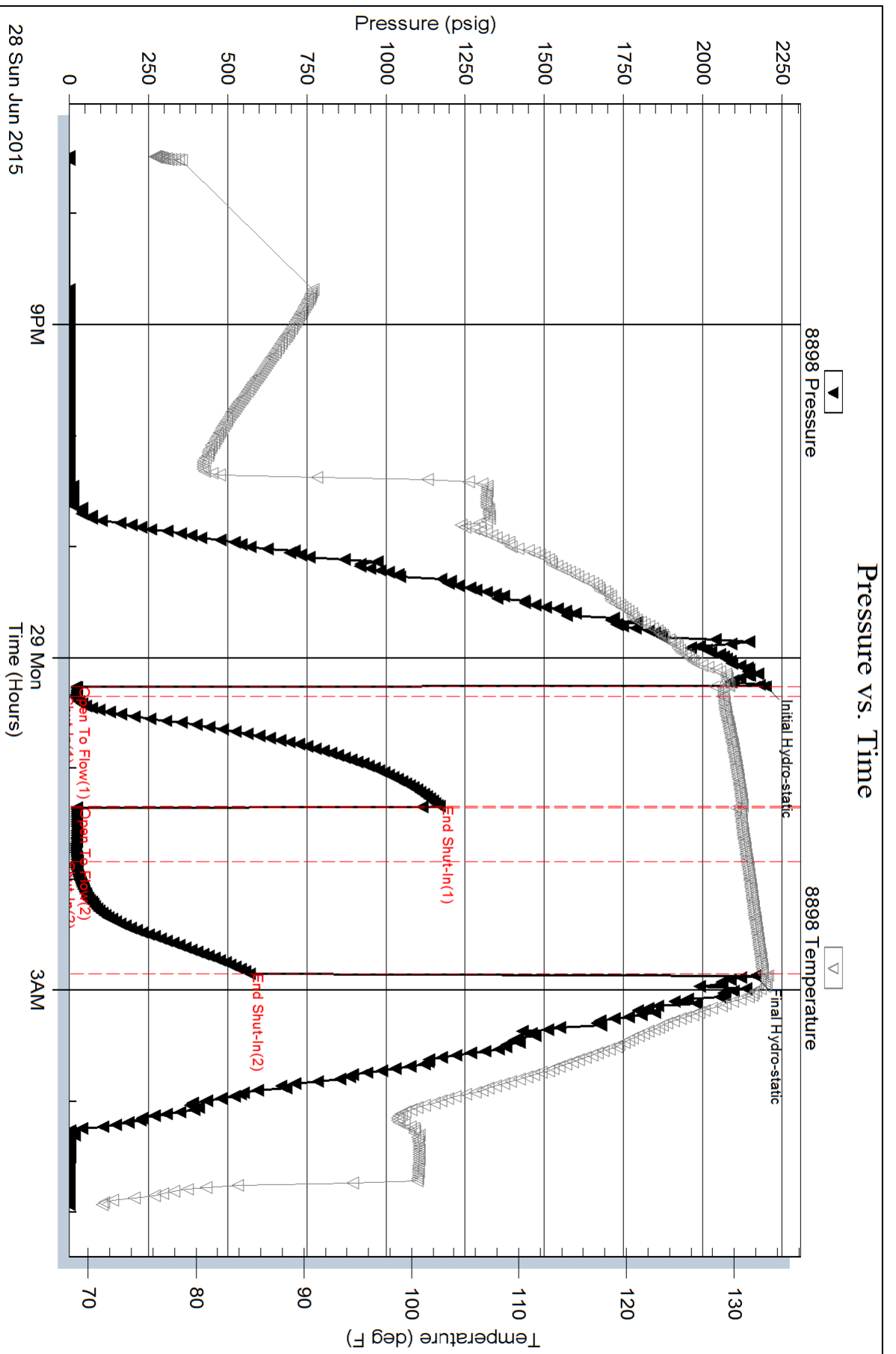
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



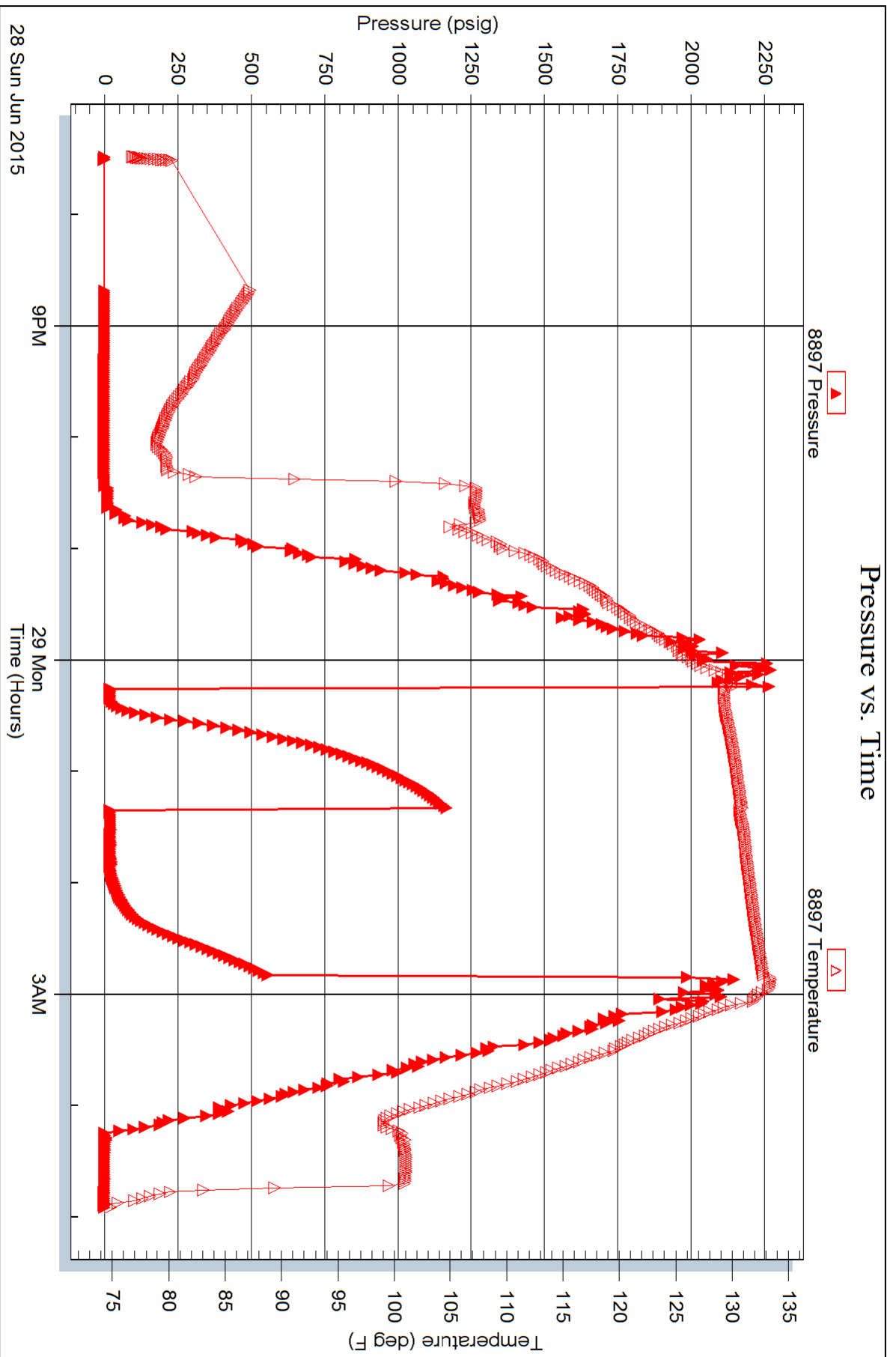
Serial #: 8897

Inside

Samuel Gary Jr. & Ass., Inc

Lewis 1-18

DST Test Number: 1



Serial #: 8652

Fluid

Samuel Gary Jr. & Ass., Inc

Lewis 1-18

DST Test Number: 1

