



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates, Inc.

**10-17-13, Barton, KS**

1515 Wynkoop, STE 700  
Denver CO 80202

**Jonas Family T #1-10**

Job Ticket: 55307

**DST#: 1**

ATTN: Cayton Camozzi

Test Start: 2013.10.22 @ 09:45:00

## GENERAL INFORMATION:

Formation: **KC "D-F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:53:30

Time Test Ended: 18:05:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Brett Dickinson

Unit No: 59

**Interval: 3162.00 ft (KB) To 3194.00 ft (KB) (TVD)**

Reference Elevations: 2006.00 ft (KB)

Total Depth: 3194.00 ft (KB) (TVD)

1998.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 8.00 ft

**Serial #: 8319 Outside**

Press @ RunDepth: 54.69 psig @ 3163.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.10.22

End Date:

2013.10.22

Last Calib.:

2013.10.22

Start Time: 09:45:05

End Time:

18:04:59

Time On Btm:

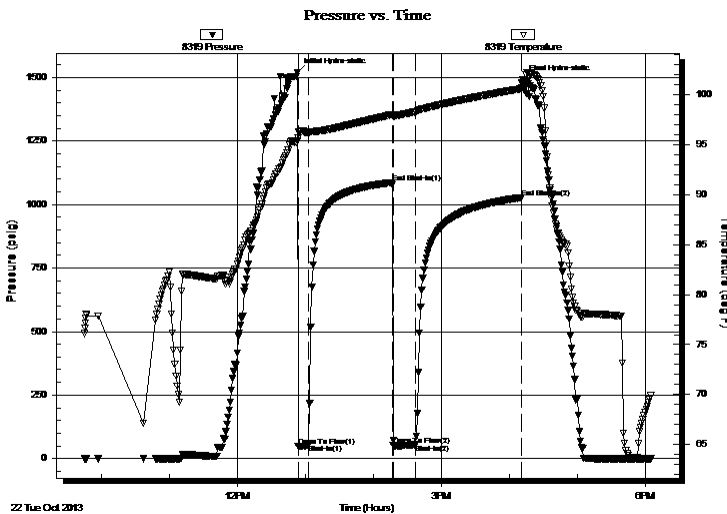
2013.10.22 @ 12:52:45

Time Off Btm:

2013.10.22 @ 16:11:30

**TEST COMMENT:** 10min-IF-1/4in blow  
75min-IS-No blow  
20min-FF-3/4in blow  
90min-FSI-No blow

## PRESSURE SUMMARY



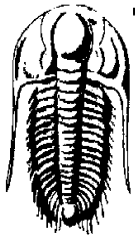
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1520.35	95.30	Initial Hydro-static
1	48.70	95.66	Open To Flow (1)
10	54.44	96.16	Shut-In(1)
84	1086.69	97.97	End Shut-In(1)
85	51.20	97.75	Open To Flow (2)
104	54.69	98.25	Shut-In(2)
198	1027.57	100.55	End Shut-In(2)
199	1491.21	100.63	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	Mud	0.57
5.00	Water	0.07

## Gas Rates

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



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 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Brett Dickinson  
 Unit No: 59  
 Reference Elevations: 2006.00 ft (KB)  
 1998.00 ft (CF)  
 KB to GR/CF: 8.00 ft

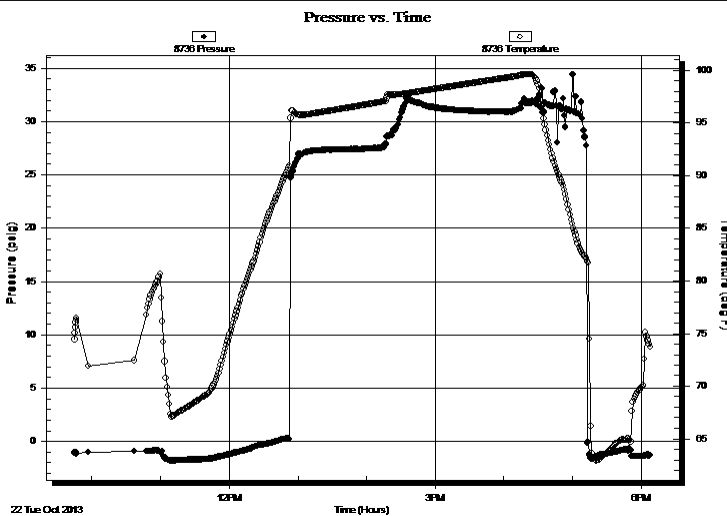
## Serial #: 8736

## Fluid

Press @ Run Depth: psig @ 3132.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.10.22 End Date: 2013.10.22 Last Calib.: 2013.10.22  
 Start Time: 09:45:05 End Time: 18:07:59 Time On Btm:  
 Time Off Btm:

**TEST COMMENT:** 10min-IF-1/4in blow  
 75min-IS-No blow  
 20min-FF-3/4in blow  
 90min-FSI-No blow

## PRESSURE SUMMARY



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

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	Mud	0.57
5.00	Water	0.07

## Gas Rates

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



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**FLUID SUMMARY**

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**Jonas Family T #1-10**

Job Ticket: 55307

**DST#: 1**

ATTN: Cayton Camozzi

Test Start: 2013.10.22 @ 09:45:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 8.00 lb/gal

Cushion Length:

ft

Water Salinity:

50000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

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

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5200.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	Mud	0.568
5.00	Water	0.070

Total Length: 65.00 ft      Total Volume: 0.638 bbl

Num Fluid Samples: 0

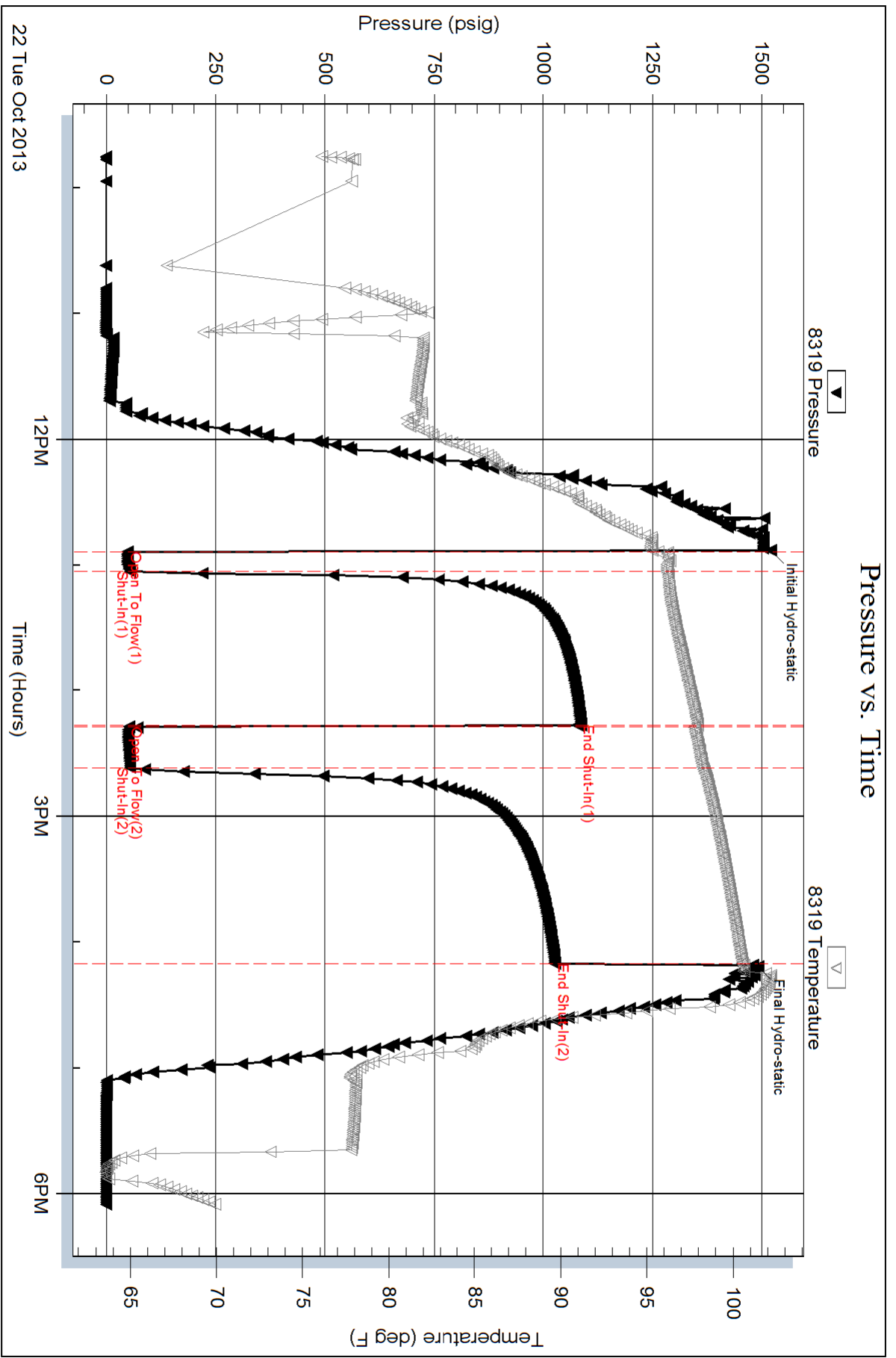
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler Data 2000mlW 250ml M 50psi RW.18@60



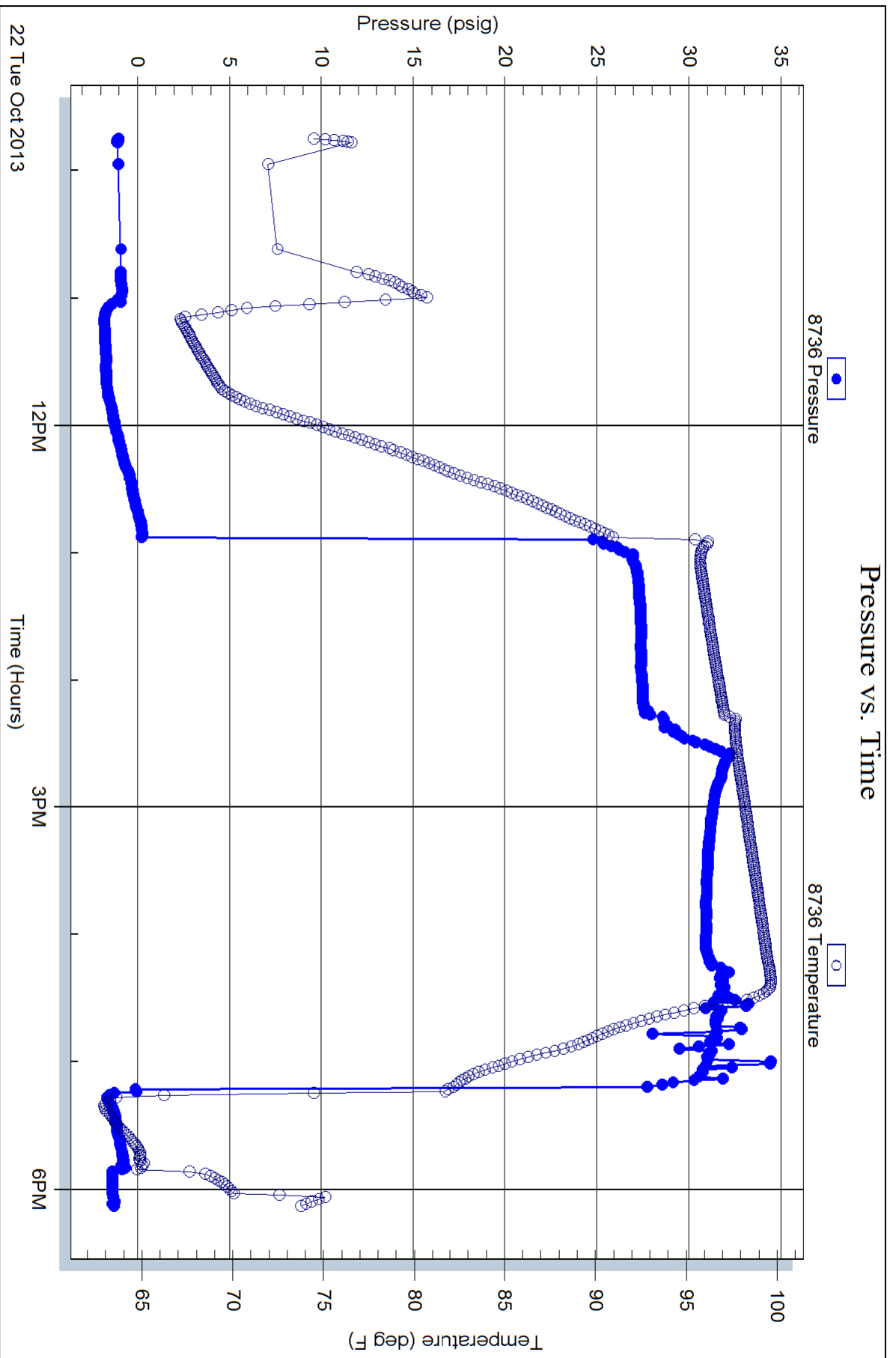
Serial #: 8736

Fluid

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Jonas Family T#1-10

DST Test Number: 1



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Ref. No: 55307

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