



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Red Oak Energy, Inc  
 7701 Kellogg Dr. Ste 710  
 Wichita, Ks 67207  
 ATTN: Sean Deenihan

**5 7s 33w Thomas, Ks**  
**Shull Unit #1-5**  
 Job Ticket: 64330 **DST#: 1**  
 Test Start: 2018.09.08 @ 11:40:00

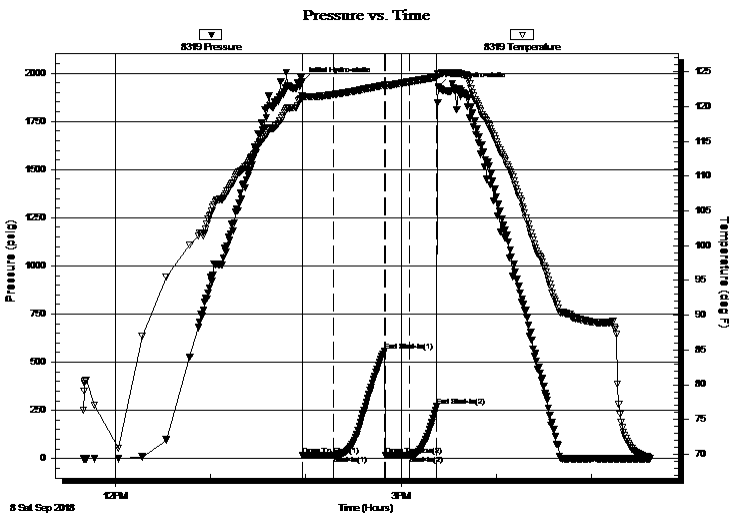
## GENERAL INFORMATION:

Formation: **Toronto**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 13:58:00  
 Time Test Ended: 17:37:15  
 Interval: **4048.00 ft (KB) To 4102.00 ft (KB) (TVD)**  
 Total Depth: 4102.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Bradley Walter  
 Unit No: 78  
 Reference Elevations: 3137.00 ft (KB)  
 3132.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 8319 Outside**  
 Press@RunDepth: 18.23 psig @ 4049.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2018.09.08 End Date: 2018.09.08 Last Calib.: 2018.09.08  
 Start Time: 11:40:05 End Time: 17:37:14 Time On Btm: 2018.09.08 @ 13:57:45  
 Time Off Btm: 2018.09.08 @ 15:23:45

TEST COMMENT: IF: 1/2" blow.  
 IS: No return.  
 FF: No blow.  
 FS: No return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1956.16	121.52	Initial Hydro-static
1	16.56	121.17	Open To Flow (1)
20	16.93	121.72	Shut-In(1)
52	558.07	123.04	End Shut-In(1)
53	16.73	122.93	Open To Flow (2)
68	18.23	123.54	Shut-In(2)
85	269.63	124.20	End Shut-In(2)
86	1927.67	124.59	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	mud 100m	0.07

## Gas Rates

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





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## FLUID SUMMARY

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**5 7s 33w Thomas, Ks**

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Wichita, Ks 67207

**Shull Unit #1-5**

Job Ticket: 64330

**DST#: 1**

ATTN: Sean Deenihan

Test Start: 2018.09.08 @ 11:40:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.40 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	mud 100m	0.074

Total Length: 15.00 ft      Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

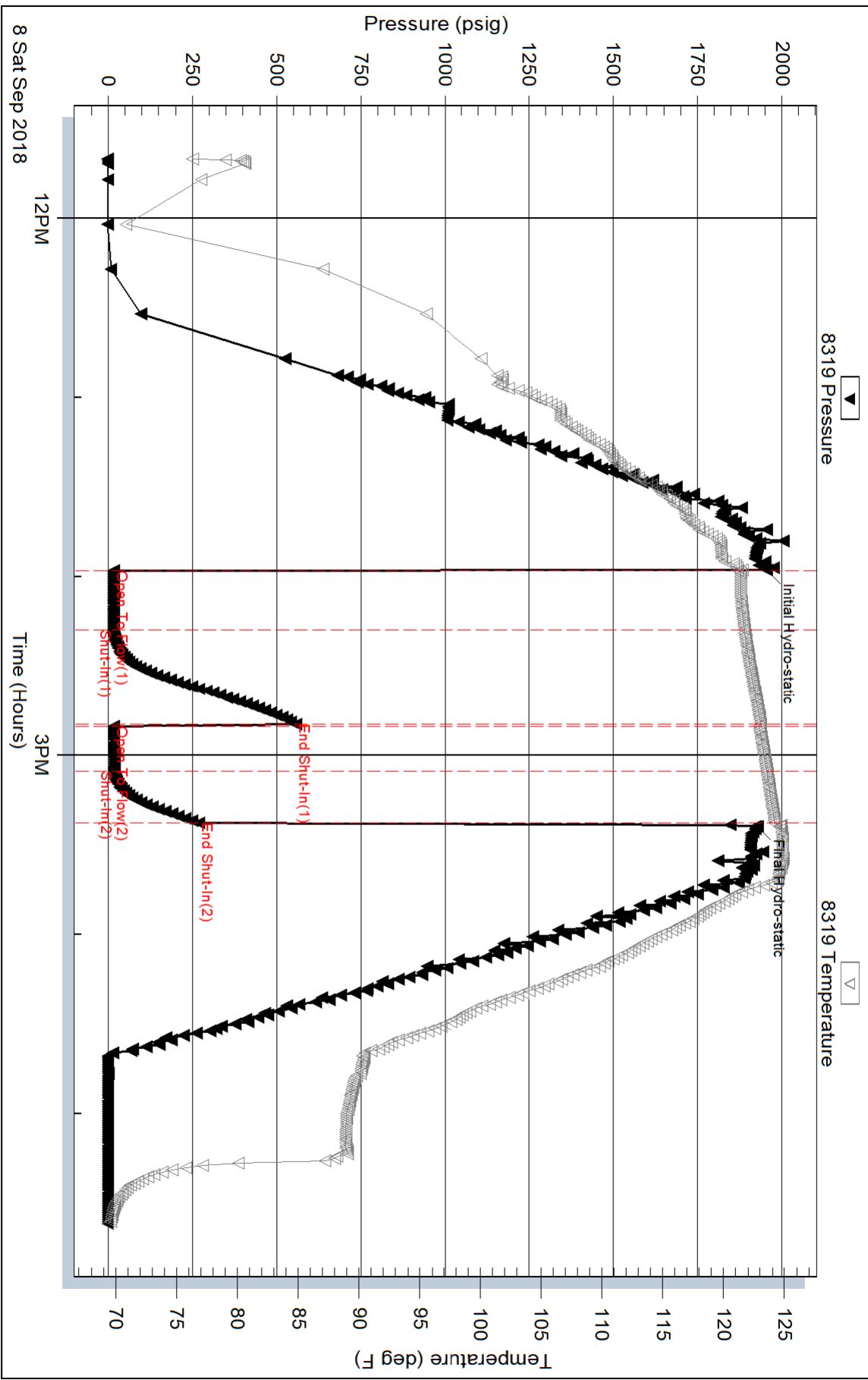
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time



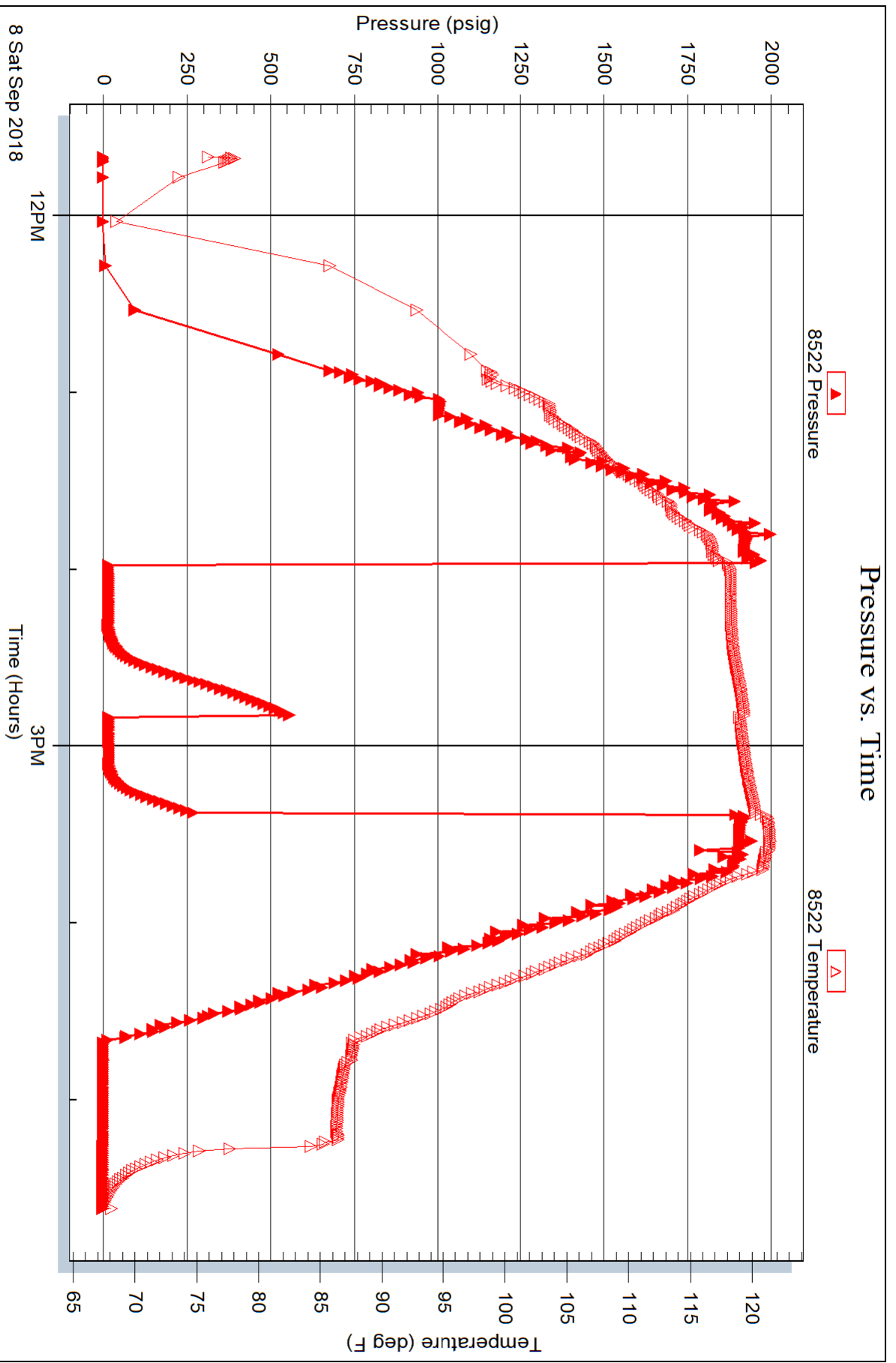
Serial #: 8522

Inside

Red Oak Energy, Inc

Shull Unit #1-5

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 64330

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