



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Black Tea Oil, LLC.

**28-13s-34w Logan co.**

1011 Centennial Blvd. STE B  
Hays, KS 67601

**Pahls B # 1**

Job Ticket: 59597

**DST#: 1**

ATTN: Kevin Bailey

Test Start: 2014.08.24 @ 09:43:00

## GENERAL INFORMATION:

Formation: **Lansing**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:07:15

Time Test Ended: 16:28:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Samuel Esparza

Unit No: 72

**Interval: 3755.00 ft (KB) To 3783.00 ft (KB) (TVD)**

Reference Elevations: 2847.00 ft (KB)

Total Depth: 3783.00 ft (KB) (TVD)

2838.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 9.00 ft

**Serial #: 8845 Outside**

Press @ Run Depth: 101.76 psig @ 3756.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.24

End Date:

2014.08.24

Last Calib.:

2014.08.24

Start Time: 09:43:05

End Time:

16:28:44

Time On Btm:

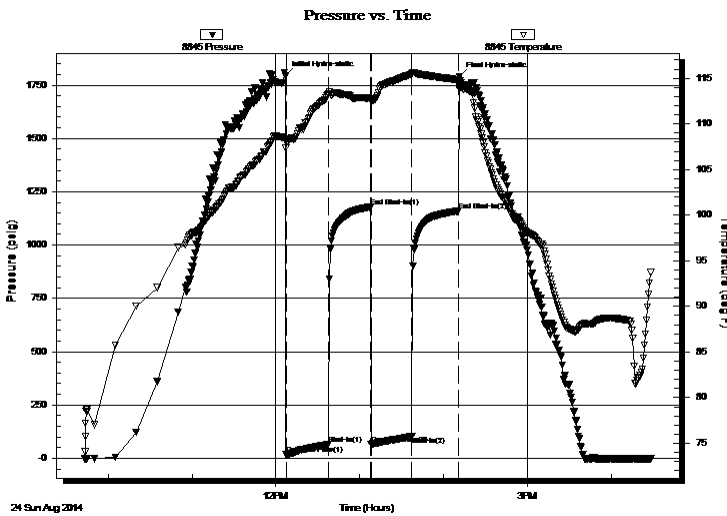
2014.08.24 @ 12:07:00

Time Off Btm:

2014.08.24 @ 14:11:30

**TEST COMMENT:** IF: 6 1/4" Blow .  
IS: No Return.  
FF: 6 3/4" Blow .  
FS: No Return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1792.75	108.29	Initial Hydro-static
1	16.79	107.40	Open To Flow (1)
31	65.06	113.25	Shut-In(1)
61	1177.93	112.81	End Shut-In(1)
62	66.29	112.47	Open To Flow (2)
91	101.76	115.45	Shut-In(2)
124	1159.13	114.78	End Shut-In(2)
125	1788.98	113.96	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
195.00	MW 20m 80w	2.23

## Gas Rates

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





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## FLUID SUMMARY

Black Tea Oil, LLC.

**28-13s-34w Logan co.**

1011 Centennial Blvd. STE B  
Hays, KS 67601

**Pahls B # 1**

Job Ticket: 59597

**DST#: 1**

ATTN: Kevin Bailey

Test Start: 2014.08.24 @ 09:43:00

### 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:	26000 ppm
Viscosity:	47.00 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:	5000.00 ppm				
Filter Cake:	1.00 inches				

### Recovery Information

Recovery Table

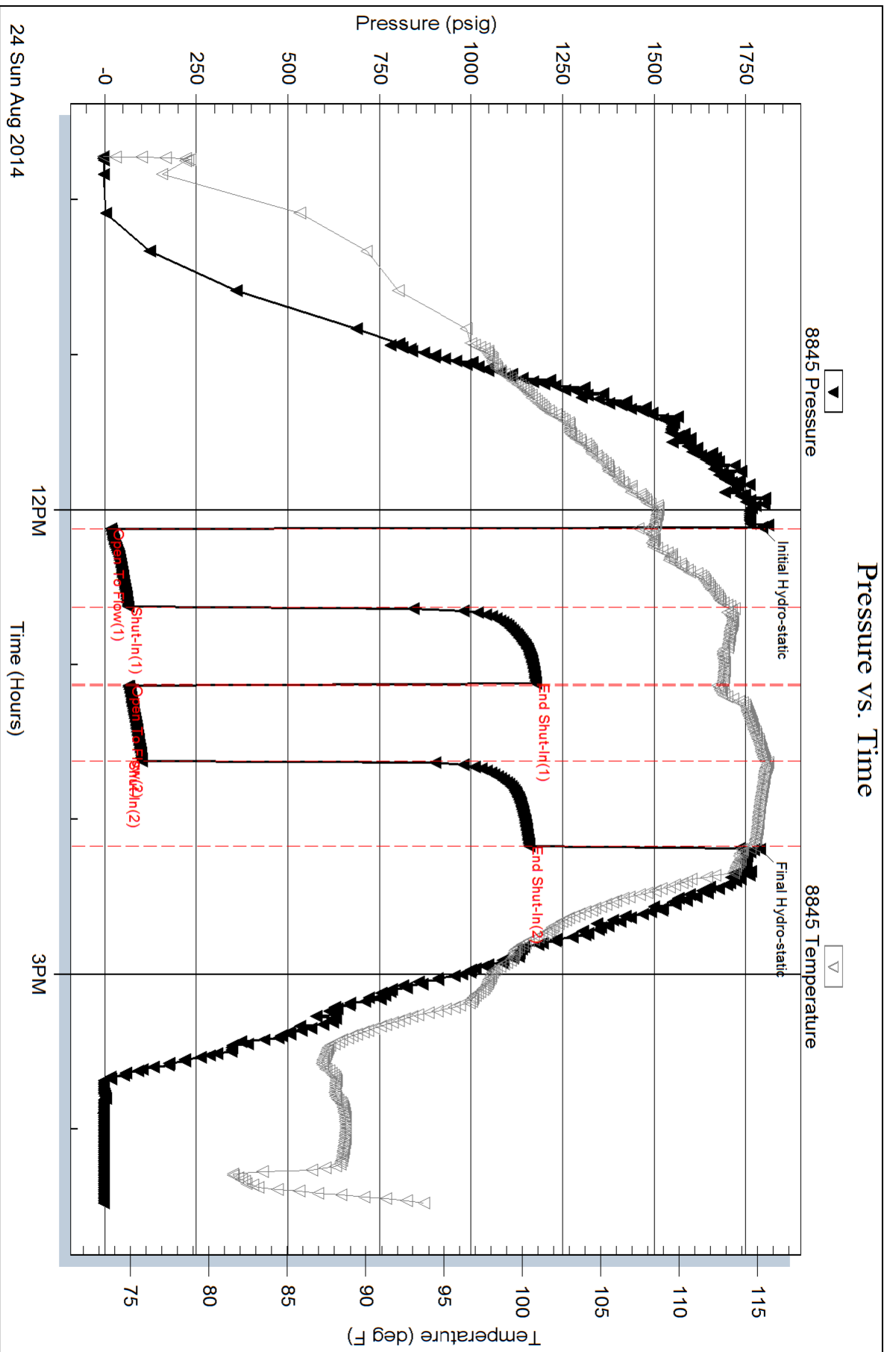
Length ft	Description	Volume bbbl
195.00	MW 20m 80w	2.225

Total Length: 195.00 ft      Total Volume: 2.225 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments: Water Salinity: .176 @ 96 degrees= 26,000 ppm

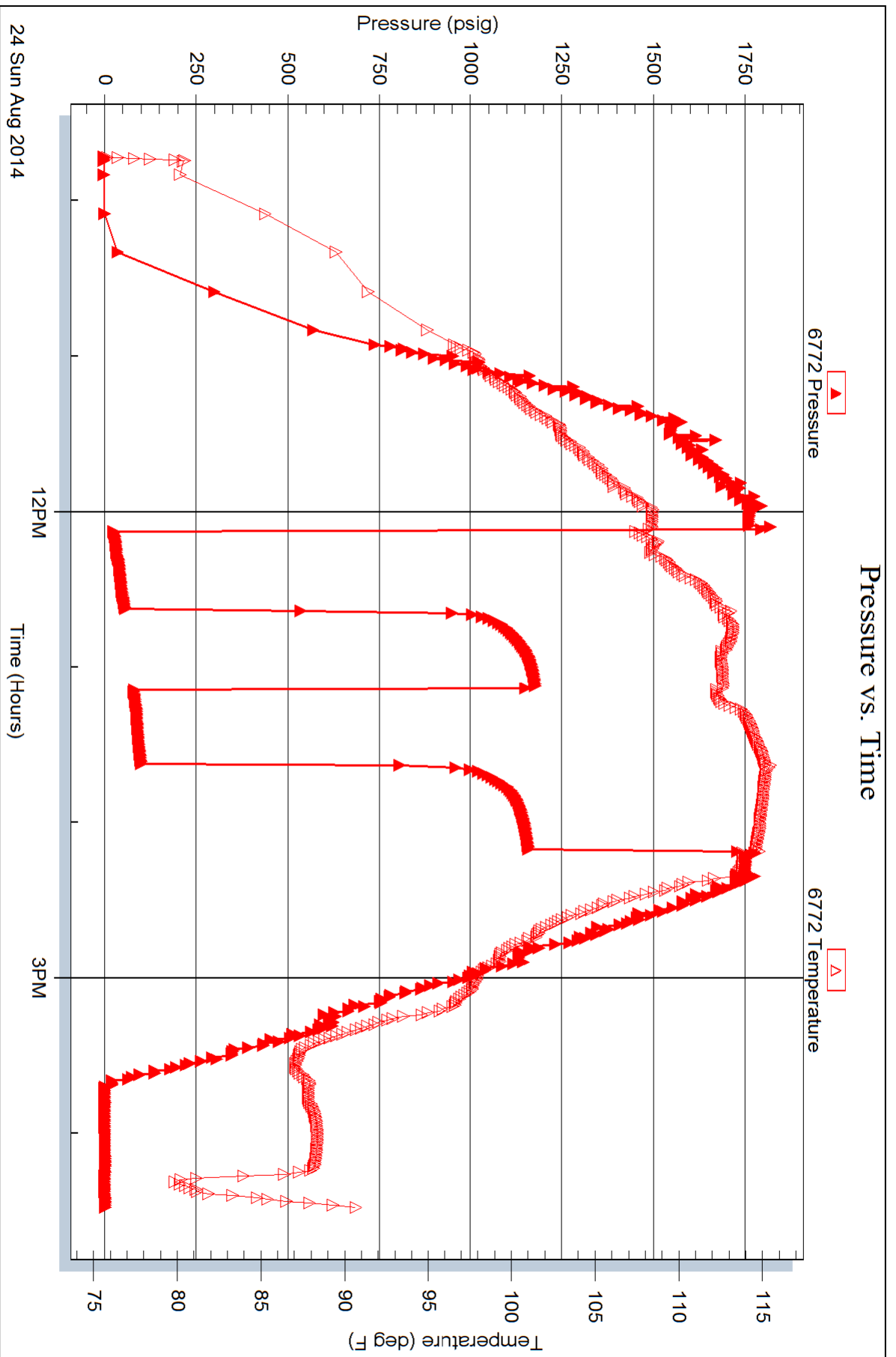


Serial #: 6772

Outside Black Tea Oil, LLC.

Pahls B# 1

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 59597

Printed: 2014.08.24 @ 16:56:02