



## DRILL STEM TEST REPORT

Prepared For: **Black Tea Oil, LLC.**

1011 Centennial Blvd. STE B  
Hays Ks, 67601

ATTN: Chris Leiker

### **Krebs Q #2**

### **30/14s/31w/Gove**

Start Date: 2014.01.13 @ 03:20:00

End Date: 2014.01.13 @ 13:11:30

Job Ticket #: 18227                      DST #: 1

Superior Testers Enterprises LLC  
PO Box 138 Great Bend KS 67530  
1-800-792-6902

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Black Tea Oil, LLC. 30/14s/31w/Gove Krebs Q #2 DST # 1 LKC 2014.01.13



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Test Start: 2014.01.13 @ 03:20:00

## GENERAL INFORMATION:

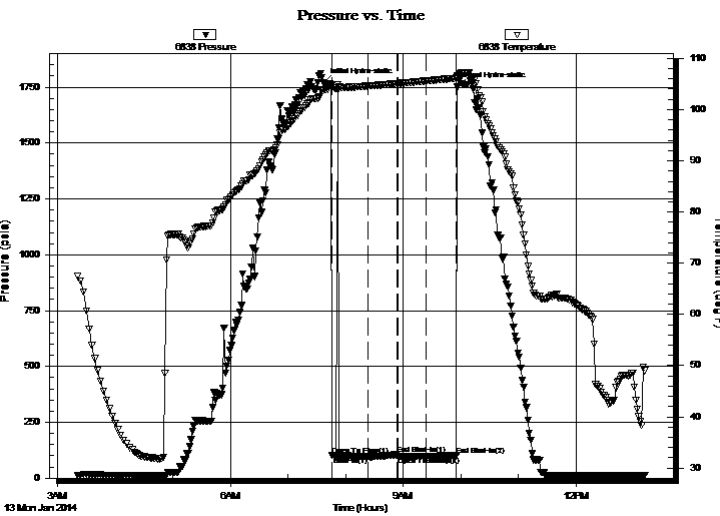
Formation: **LKC**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 07:46:00  
 Time Test Ended: 13:11:30  
 Interval: **3723.00 ft (KB) To 3738.00 ft (KB) (TVD)**  
 Total Depth: 3766.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Poor  
 Test Type: Conventional Straddle (Initial)  
 Tester: Shane Konzem  
 Unit No: 3325/50/Scott City  
 Reference Elevations: 2727.00 ft (KB)  
 2720.00 ft (CF)  
 KB to GR/CF: 7.00 ft

## Serial #: 6838

Inside

Press @ Run Depth: 98.67 psia @ 3736.00 ft (KB) Capacity: 5000.00 psia  
 Start Date: 2014.01.13 End Date: 2014.01.13 Last Calib.: 2014.01.13  
 Start Time: 03:21:00 End Time: 13:11:30 Time On Btm: 2014.01.13 @ 07:37:00  
 Time Off Btm: 2014.01.13 @ 09:57:00

TEST COMMENT: 1st Open/ 30 Minutes. No blow, flushed tool and had good flush bubbles and gained no blow.  
 1st Shut In/ 30 Minutes. No blow back.  
 2nd Open/ 30 Minutes. No blow.  
 2nd Shut In/ 30 Minutes. No blow back.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1770.13	103.85	Initial Hydro-static
9	101.91	104.30	Open To Flow (1)
47	98.18	104.60	Shut-In(1)
77	105.30	105.08	End Shut-In(1)
78	98.55	105.10	Open To Flow (2)
107	98.67	105.61	Shut-In(2)
139	103.29	106.13	End Shut-In(2)
140	1750.41	106.63	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
120.00	100% mud	0.89

## Gas Rates

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





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**TOOL DIAGRAM**

Black Tea Oil, LLC.

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Job Ticket: 18227

**DST#: 1**

ATTN: Chris Leiker

Test Start: 2014.01.13 @ 03:20:00

## Tool Information

Drill Pipe:	Length: 3632.00 ft	Diameter: 3.80 inches	Volume: 50.95 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 87.00 ft	Diameter: 2.25 inches	Volume: 0.43 bbl	Weight to Pull Loose: 68000.00 lb
			<u>Total Volume: 51.38 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	3723.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	3737.75 ft			
Interval between Packers:	14.75 ft			
Tool Length:	72.75 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments: Shale Pacer used.

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3701.00		
Hydraulic Tool	5.00			3706.00		
Jars	5.00			3711.00		
Safety Joint	2.00			3713.00		
Packer	5.00			3718.00	27.00	Bottom Of Top Packer
Packer	5.00			3723.00		
Perforations	12.00			3735.00		
Recorder	1.00	6838	Inside	3736.00		
Recorder	1.00	6748	Outside	3737.00		
Blank Off Sub	0.75			3737.75	14.75	Tool Interval
Packer	5.00			3742.75		
Anchor	22.00			3764.75		
Recorder	1.00	6749	Outside	3765.75		
Bullnose	3.00			3768.75	31.00	Bottom Packers & Anchor

**Total Tool Length: 72.75**



# DRILL STEM TEST REPORT

## FLUID SUMMARY

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Job Ticket: 18227

**DST#: 1**

ATTN: Chris Leiker

Test Start: 2014.01.13 @ 03:20:00

### 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: 45.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	100% mud	0.891

Total Length: 120.00 ft      Total Volume: 0.891 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

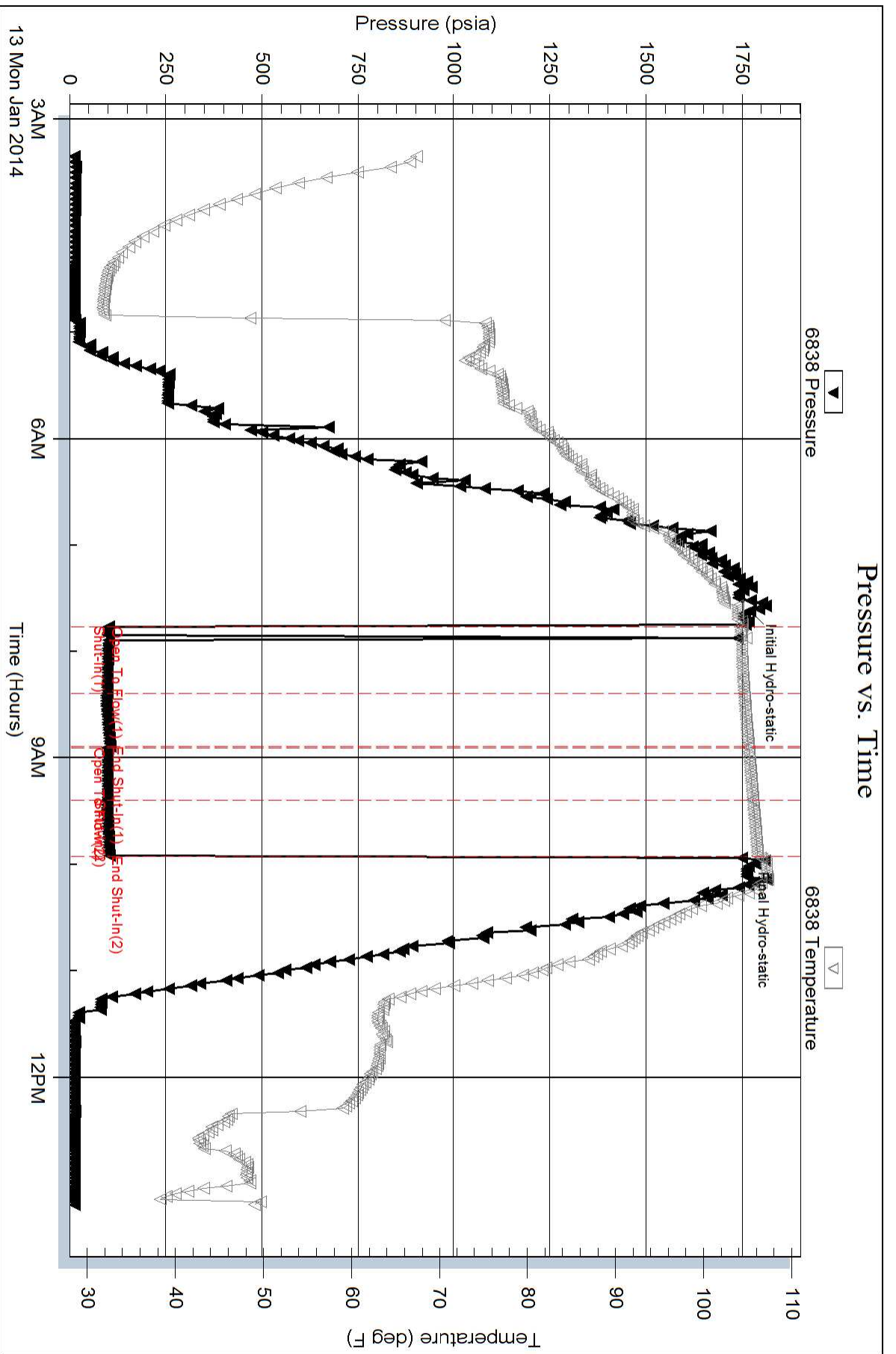
Serial #: 6838

Inside

Black Tea Oil, LLC.

Krebs Q#2

DST Test Number: 1



Serial #: 6749

Outside Black Tea Oil, LLC.

Krebs Q#2

DST Test Number: 1

