



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: 2014.01.14 @ 06:15:00

End Date: 2014.01.14 @ 13:19:00

Job Ticket #: 18228 DST #: 2

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

Printed: 2014.01.14 @ 13:42:30



DRILL STEM TEST REPORT

Black Tea Oil, LLC.

30/14s/31w/Gove

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Test Start: 2014.01.14 @ 06:15:00

GENERAL INFORMATION:

Formation: **Lower LKC**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:09:30

Time Test Ended: 13:19:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Shane Konzem

Unit No: 3325/50/scott City

Interval: 3952.00 ft (KB) To 4002.00 ft (KB) (TVD)

Reference Elevations: 2727.00 ft (KB)

Total Depth: 4002.00 ft (KB) (TVD)

2720.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 7.00 ft

Serial #: 6749

Inside

Press @ Run Depth: 107.29 psia @ 3998.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2014.01.14

End Date: 2014.01.14

Last Calib.: 2014.01.14

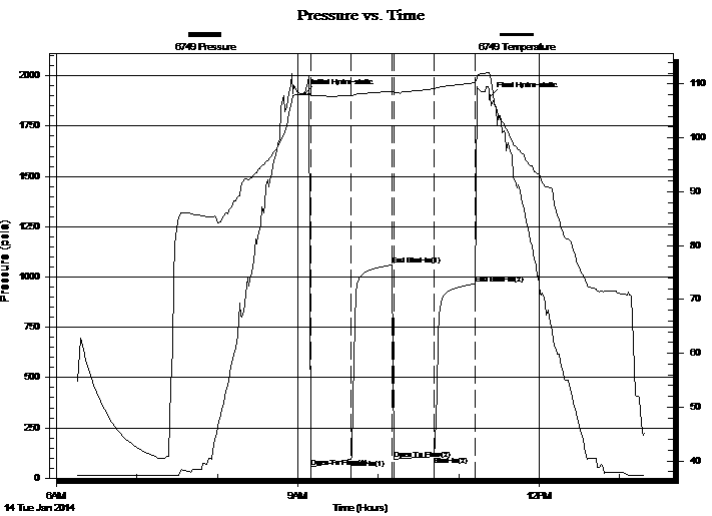
Start Time: 06:15:00

End Time: 13:19:00

Time On Btm: 2014.01.14 @ 09:05:30

Time Off Btm: 2014.01.14 @ 11:23:30

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



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1911.76	108.08	Initial Hydro-static
4	54.53	107.83	Open To Flow (1)
35	92.25	107.82	Shut-In(1)
65	1060.14	108.67	End Shut-In(1)
66	94.79	108.45	Open To Flow (2)
96	107.29	109.09	Shut-In(2)
127	966.53	110.20	End Shut-In(2)
138	1897.40	111.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Clean Oil	0.02
118.00	5% Oil, 95% mud	0.91

Gas Rates

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



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2720.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 7.00 ft

Serial #: 6838 Outside

Press @ RunDepth: 966.93 psia @ 3999.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2014.01.14

End Date: 2014.01.14

Last Calib.: 2014.01.14

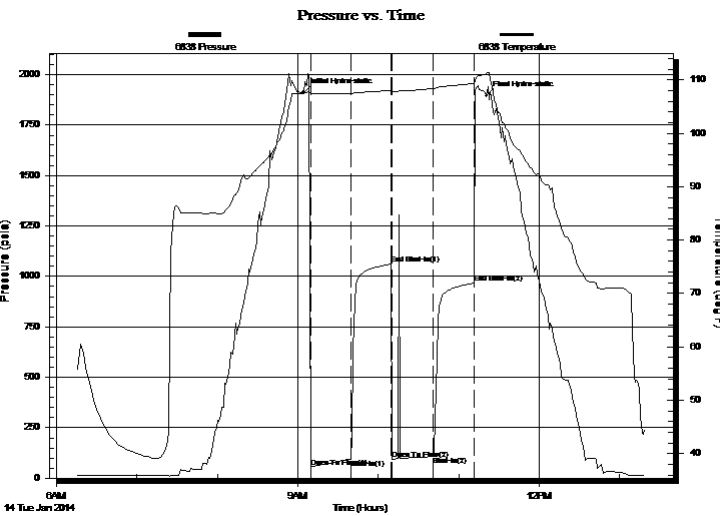
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Time On Btm: 2014.01.14 @ 09:04:30

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TEST COMMENT: 1st Open/ 30 Minutes. Weak surface blow .
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 2nd Shut In/ 30 Minutes. No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1911.88	107.44	Initial Hydro-static
5	55.95	107.50	Open To Flow (1)
35	93.06	107.36	Shut-In(1)
65	1060.21	108.03	End Shut-In(1)
66	95.23	107.88	Open To Flow (2)
97	107.53	108.38	Shut-In(2)
127	966.93	109.34	End Shut-In(2)
136	1895.68	111.23	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Clean Oil	0.02
118.00	5% Oil, 95% mud	0.91

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Black Tea Oil, LLC.

30/14s/31w/Gove

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Hays Ks, 67601

Krebs Q #2

Job Ticket: 18228

DST#: 2

ATTN: Chris Leiker

Test Start: 2014.01.14 @ 06:15:00

Tool Information

Drill Pipe:	Length: 3855.00 ft	Diameter: 3.80 inches	Volume: 54.08 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: 2000.00 lb
Drill Collar:	Length: 87.00 ft	Diameter: 2.25 inches	Volume: 0.43 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 54.51 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	3952.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.00 ft			
Tool Length:	77.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments: Shale Packer Used.

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3930.00	
Hydraulic Tool	5.00			3935.00	
Jars	5.00			3940.00	
Safety Joint	2.00			3942.00	
Packer	5.00			3947.00	27.00 Bottom Of Top Packer
Packer	5.00			3952.00	
Anchor	45.00			3997.00	
Recorder	1.00	6749	Inside	3998.00	
Recorder	1.00	6838	Outside	3999.00	
Bullnose	3.00			4002.00	50.00 Bottom Packers & Anchor
Total Tool Length:	77.00				



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FLUID SUMMARY

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DST#: 2

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Test Start: 2014.01.14 @ 06:15:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 51.00 sec/qt

Water Loss: 7.20 in³

Resistivity: ohm.m

Salinity: 5000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psia

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Clean Oil	0.025
118.00	5% Oil, 95% mud	0.908

Total Length: 123.00 ft Total Volume: 0.933 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

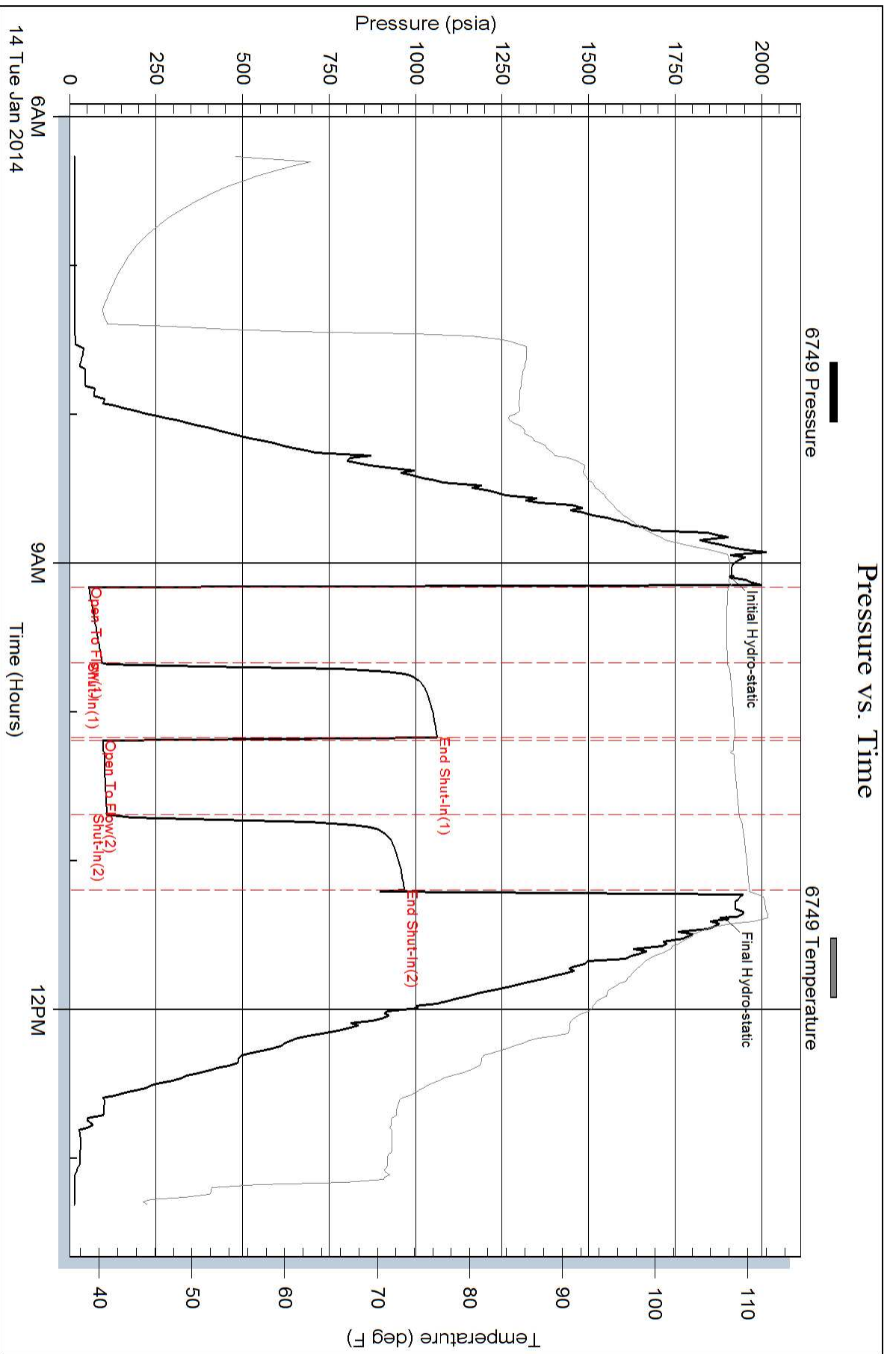
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Inside

Black Tea Oil, LLC.

Krebs Q#2

DST Test Number: 2



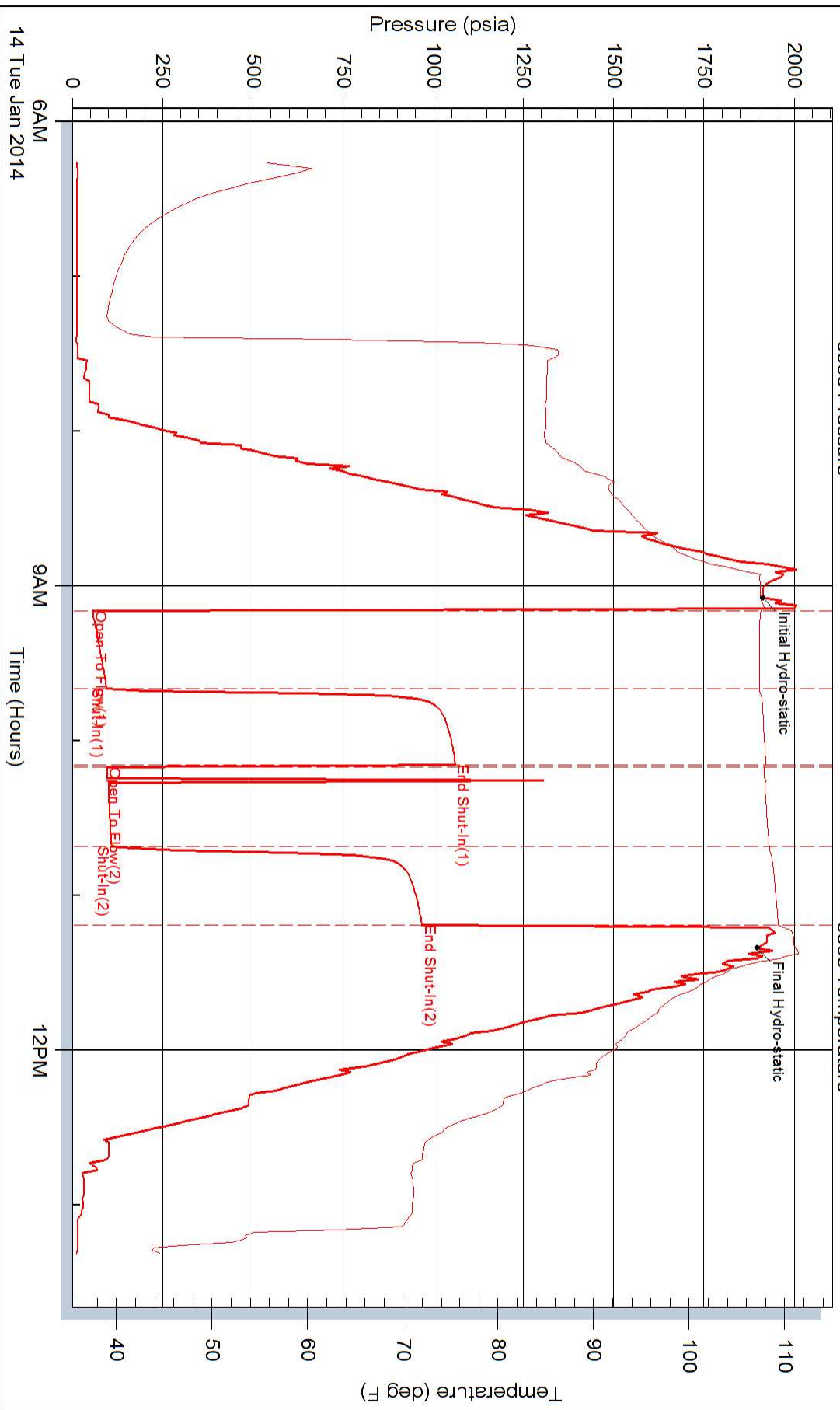
Serial #: 6838

Outside Black Tea Oil, LLC.

Krebs Q#2

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Pressure vs. Time



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