



DRILL STEM TEST REPORT

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

1011 Centennial BLVD, STE B
Hays Ks, 67601

ATTN: Chris Leiker

Krebs L #1

20/14s/32w

Start Date: 2013.12.11 @ 16:30:00

End Date: 2013.12.11 @ 23:53:00

Job Ticket #: 18611 DST #: 2

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

Printed: 2013.12.12 @ 00:14:24



DRILL STEM TEST REPORT

Black Tea Oil, LLC

20/14s/32w

1011 Centennial BLVD, STE B
Hays Ks, 67601

Krebs L #1

Job Ticket: 18611

DST#: 2

ATTN: Chris Leiker

Test Start: 2013.12.11 @ 16:30:00

GENERAL INFORMATION:

Formation: **LKC - Marmaton A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:52:30

Time Test Ended: 23:53:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Shane Konzem

Unit No: 3330/50/Scott City

Interval: **4079.00 ft (KB) To 4147.00 ft (KB) (TVD)**

Reference Elevations: 2760.00 ft (KB)

Total Depth: 4147.00 ft (KB) (TVD)

2754.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 6.00 ft

Serial #: **6663**

Inside

Press @ RunDepth: 70.74 psia @ 4143.76 ft (KB)

Capacity: 5000.00 psia

Start Date: 2013.12.11

End Date:

2013.12.11

Last Calib.:

2013.12.12

Start Time: 16:30:00

End Time:

23:53:00

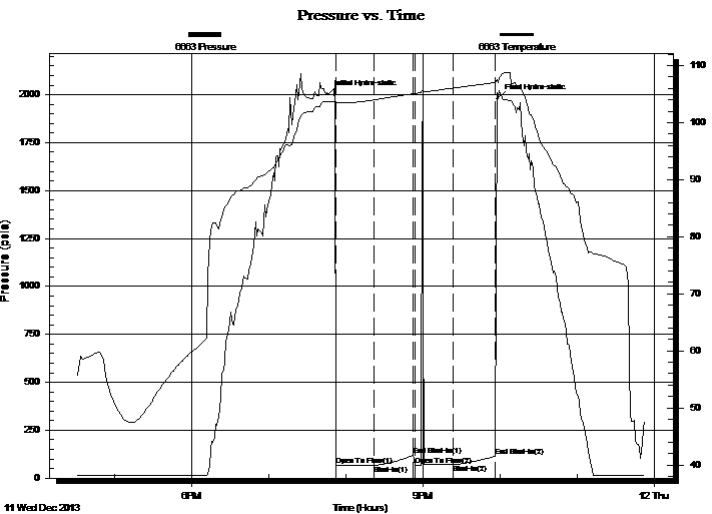
Time On Btm:

2013.12.11 @ 19:45:30

Time Off Btm:

2013.12.11 @ 21:58:00

TEST COMMENT: 1st Open/ 30 Minutes. Weak blow built to 1/4 inch in 5 gallon bucket of diesel.
1st Shut In/ 30 Minutes. No blow back.
2nd Open/ 30 Minutes. No blow, flushed tool had good flush bubbles and gained no blow.
2nd Shut In/ 30 Minutes. No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2002.47	103.70	Initial Hydro-static
7	65.38	103.53	Open To Flow (1)
37	67.17	103.99	Shut-In(1)
68	121.65	105.07	End Shut-In(1)
68	67.42	105.09	Open To Flow (2)
98	70.74	106.04	Shut-In(2)
132	115.88	107.01	End Shut-In(2)
133	1978.26	107.50	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	100% mud	0.10

Gas Rates

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



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1011 Centennial BLVD, STE B
Hays Ks, 67601

Krebs L #1

Job Ticket: 18611

DST#: 2

ATTN: Chris Leiker

Test Start: 2013.12.11 @ 16:30:00

GENERAL INFORMATION:

Formation: **LKC - Marmaton A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:52:30

Time Test Ended: 23:53:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Shane Konzem

Unit No: 3330/50/Scott City

Interval: **4079.00 ft (KB) To 4147.00 ft (KB) (TVD)**

Reference Elevations: 2760.00 ft (KB)

Total Depth: 4147.00 ft (KB) (TVD)

2754.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 6.00 ft

Serial #: **6651** Outside

Press @ RunDepth: 115.73 psia @ 4144.76 ft (KB)

Capacity: 5000.00 psia

Start Date: 2013.12.11

End Date: 2013.12.11

Last Calib.: 2013.12.12

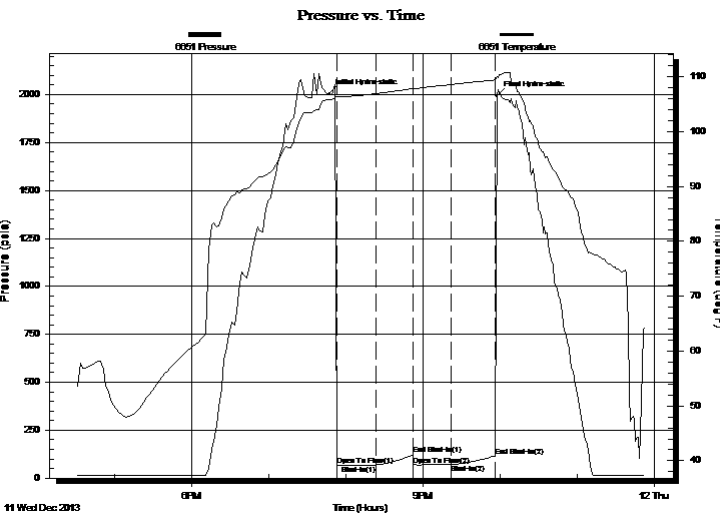
Start Time: 16:30:00

End Time: 23:53:00

Time On Btm: 2013.12.11 @ 19:47:00

Time Off Btm: 2013.12.11 @ 21:57:30

TEST COMMENT: 1st Open/ 30 Minutes. Weak blow built to 1/4 inch in 5 gallon bucket of diesel.
1st Shut In/ 30 Minutes. No blow back.
2nd Open/ 30 Minutes. No blow, flushed tool had good flush bubbles and gained no blow.
2nd Shut In/ 30 Minutes. No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2002.56	105.86	Initial Hydro-static
6	67.87	106.38	Open To Flow (1)
36	68.04	106.92	Shut-In(1)
65	122.16	107.82	End Shut-In(1)
66	69.50	107.82	Open To Flow (2)
95	72.19	108.60	Shut-In(2)
130	115.73	109.44	End Shut-In(2)
131	1992.69	109.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	100% mud	0.10

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Black Tea Oil, LLC

20/14s/32w

1011 Centennial BLVD, STE B
Hays Ks, 67601

Krebs L #1

Job Ticket: 18611

DST#: 2

ATTN: Chris Leiker

Test Start: 2013.12.11 @ 16:30:00

Tool Information

Drill Pipe:	Length: 4056.00 ft	Diameter: 3.80 inches	Volume: 56.90 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: 25000.00 lb
Drill Collar:	Length: 30.40 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 86000.00 lb
			<u>Total Volume: 57.05 bbl</u>	Tool Chased 1.00 ft
Drill Pipe Above KB:	36.40 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4079.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	68.76 ft			
Tool Length:	97.76 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4051.00	
Shut-In Tool	5.00			4056.00	
Hydroic Tool	5.00			4061.00	
Jars	6.00			4067.00	
Safety Joint	2.00			4069.00	
Packer	5.00			4074.00	29.00 Bottom Of Top Packer
Packer	5.00			4079.00	
Perforations	5.00			4084.00	
Change Over Sub	0.75			4084.75	
Drill Pipe	31.26			4116.01	
Change Over Sub	0.75			4116.76	
Perforations	26.00			4142.76	
Recorder	1.00	6663	Inside	4143.76	
Recorder	1.00	6651	Outside	4144.76	
Bullnose	3.00			4147.76	68.76 Bottom Packers & Anchor

Total Tool Length: 97.76



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FLUID SUMMARY

Black Tea Oil, LLC

20/14s/32w

1011 Centennial BLVD, STE B
Hays Ks, 67601

Krebs L #1

Job Ticket: 18611

DST#: 2

ATTN: Chris Leiker

Test Start: 2013.12.11 @ 16:30:00

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: 48.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
20.00	100% mud	0.098

Total Length: 20.00 ft Total Volume: 0.098 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

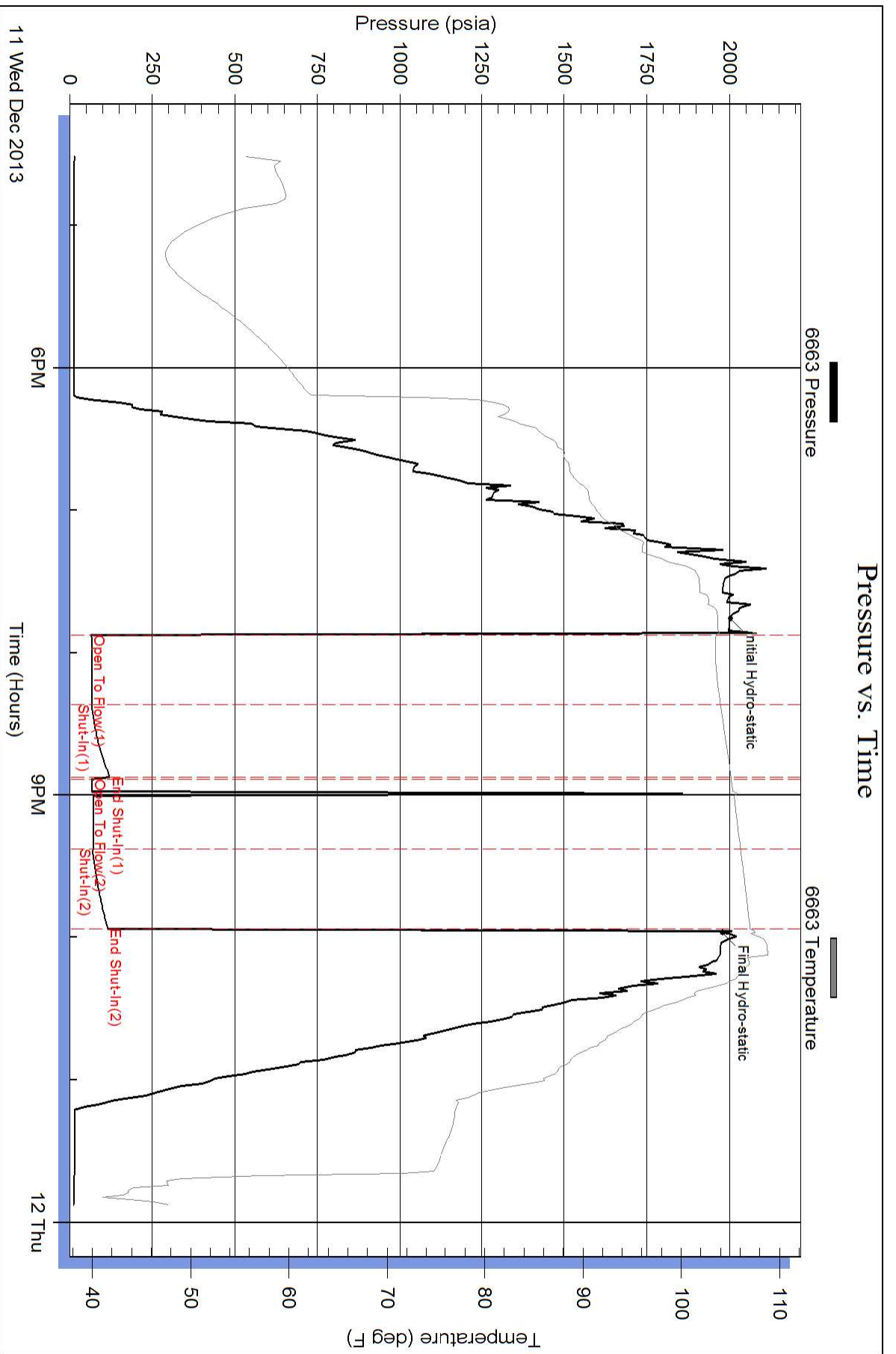
Serial #: 6663

Inside

Black Tea Oil, LLC

Krebs L#1

DST Test Number: 2



Superior Testers Enterprises LLC

Ref. No: 18611

Printed: 2013.12.12 @ 00:14:24

