



DRILL STEM TEST REPORT

Prepared For: **Black Tea Oil**

1011 Centennial Blvd Ste B Hays KS 67601

ATTN: Chris Lieker

Krebs N #1

27-14-32 Logan

Start Date: 2013.12.30 @ 01:25:00

End Date: 2013.12.30 @ 10:10:30

Job Ticket #: 17038 DST #: 1

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

Printed: 2013.12.30 @ 14:37:03

Black Tea Oil
27-14-32 Logan
Krebs N #1
DST # 1
2013.12.30



DRILL STEM TEST REPORT

Black Tea Oil
 1011 Centennial Blvd Ste B Hays KS 67601
 ATTN: Chris Lieker

27-14-32 Logan
Krebs N #1
 Job Ticket: 17038 **DST#: 1**
 Test Start: 2013.12.30 @ 01:25:00

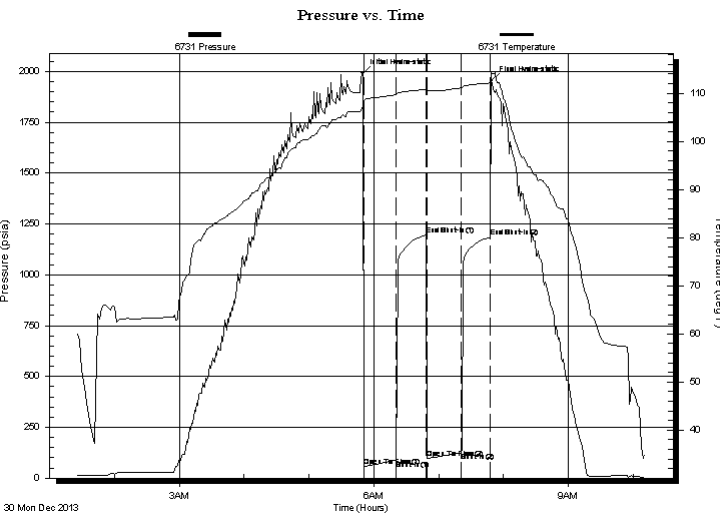
GENERAL INFORMATION:

Formation:
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 05:51:00 Tester: Jared Scheck
 Time Test Ended: 10:10:30 Unit No: 3320-Scott City-
Interval: 3930.00 ft (KB) To 3950.00 ft (KB) (TVD) Reference Elevations: 3653.00 ft (KB)
 Total Depth: 3950.00 ft (KB) (TVD) 3644.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 9.00 ft

Serial #: 6731

Press@RunDepth: 126.01 psia @ ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.12.30 End Date: 2013.12.30 Last Calib.: 2013.12.30
 Start Time: 01:25:00 End Time: 10:10:30 Time On Btm: 2013.12.30 @ 05:49:30
 Time Off Btm: 2013.12.30 @ 07:49:00

TEST COMMENT: 1st Opening 30 Minutes-Weak blow built 1/4 inch into bucket in 30 minutes
 1st Shut-in 30 Minutes-No blow back
 2nd Opening 30 Minutes-Very weak surface blow did not build
 2nd Shut-in 30 Minutes-No blow back



PRESSURE SUMMARY

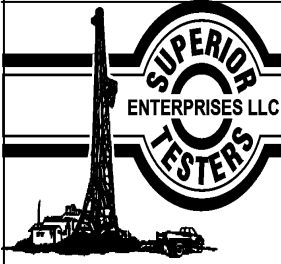
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1990.53	107.13	Initial Hydro-static
2	57.11	108.56	Open To Flow (1)
31	88.85	109.69	Shut-In(1)
59	1194.88	110.78	End Shut-In(1)
60	98.70	110.49	Open To Flow (2)
92	126.01	111.12	Shut-In(2)
119	1185.79	112.11	End Shut-In(2)
120	1953.59	114.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	spot oil w ater 1%oil 99%w ater	0.14
180.00	w ater	2.52
0.00		0.00

Gas Rates

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



DRILL STEM TEST REPORT

Black Tea Oil
 1011 Centennial Blvd Ste B Hays KS 67601
 ATTN: Chris Lieker

27-14-32 Logan
Krebs N #1
 Job Ticket: 17038 **DST#: 1**
 Test Start: 2013.12.30 @ 01:25:00

GENERAL INFORMATION:

Formation:

Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 05:51:00
 Time Test Ended: 10:10:30

Test Type: Conventional Bottom Hole (Initial)
 Tester: Jared Scheck
 Unit No: 3320-Scott City-

Interval: 3930.00 ft (KB) To 3950.00 ft (KB) (TVD)
 Total Depth: 3950.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

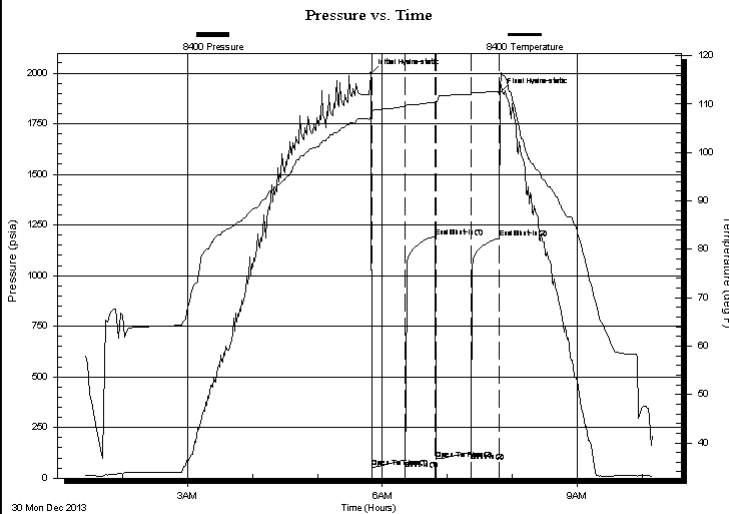
Reference Elevations: 3653.00 ft (KB)
 3644.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 8400

Press@RunDepth: 1184.18 psia @ ft (KB)
 Start Date: 2013.12.30 End Date: 2013.12.30
 Start Time: 01:25:00 End Time: 10:10:00

Capacity: 5000.00 psia
 Last Calib.: 2013.12.30
 Time On Btm: 2013.12.30 @ 05:49:30
 Time Off Btm: 2013.12.30 @ 07:48:30

TEST COMMENT: 1st Opening 30 Minutes-Weak blow built 1/4 inch into bucket in 30 minutes
 1st Shut-in 30 Minutes-No blow back
 2nd Opening 30 Minutes-Very weak surface blow did not build
 2nd Shut-in 30 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1999.46	107.45	Initial Hydro-static
1	52.16	108.45	Open To Flow (1)
31	88.80	109.52	Shut-In(1)
59	1193.93	110.41	End Shut-In(1)
60	94.78	110.09	Open To Flow (2)
92	127.14	112.08	Shut-In(2)
118	1184.18	112.69	End Shut-In(2)
119	1901.59	112.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	spot oil w ater 1%oil 99%w ater	0.14
180.00	w ater	2.52
0.00		0.00

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Black Tea Oil
 1011 Centennial Blvd Ste B Hays KS 67601
 ATTN: Chris Lieker

27-14-32 Logan
Krebs N #1
 Job Ticket: 17038 **DST#: 1**
 Test Start: 2013.12.30 @ 01:25:00

Tool Information

Drill Pipe:	Length: 3922.00 ft	Diameter: 3.80 inches	Volume: 55.02 bbl	Tool Weight: 1000.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 55.02 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 53000.00 lb
Depth to Top Packer:	3930.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	48.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			3907.00	
Hydraulic Tool	5.00			3912.00	
Jars	6.00			3918.00	
Safety Joint	2.00			3920.00	
Packer	5.00			3925.00	28.00 Bottom Of Top Packer
Packer	5.00			3930.00	
Anchor	15.00			3945.00	
Recorder	1.00		Inside	3946.00	
Recorder	1.00		Outside	3947.00	
Bullnose	3.00			3950.00	20.00 Bottom Packers & Anchor
Total Tool Length:	48.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

Black Tea Oil
 1011 Centennial Blvd Ste B Hays KS 67601
 ATTN: Chris Lieker

27-14-32 Logan
Krebs N #1
 Job Ticket: 17038 **DST#: 1**
 Test Start: 2013.12.30 @ 01:25:00

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: 46.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.80 in ³	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
10.00	spot oil w ater 1%oil 99%w ater	0.140
180.00	w ater	2.525
0.00		0.000

Total Length: 190.00 ft Total Volume: 2.665 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

