



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Black Tea Oil, LLC
 1011 Centennial Blvd Ste. B
 Hays, Ks 67601
 ATTN: Chris Leiker/ Kevin

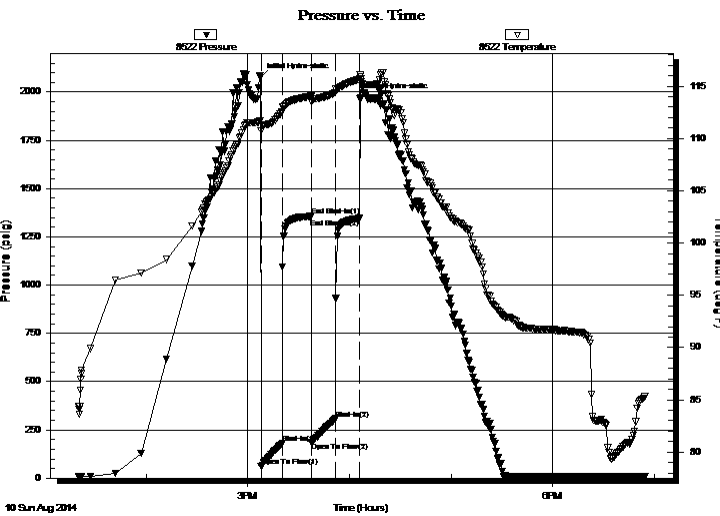
20 13s 34w Logan, Ks
Pahls A-1
 Job Ticket: 59143 **DST#: 2**
 Test Start: 2014.08.10 @ 13:20:00

GENERAL INFORMATION:

Formation: **Kansas City**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 15:07:45
 Time Test Ended: 18:54:15
 Interval: **4080.00 ft (KB) To 4137.00 ft (KB) (TVD)**
 Total Depth: 4157.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Bradley Walter
 Unit No: 69
 Reference Elevations: 2958.00 ft (KB)
 2949.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 8522 Inside
 Press @ Run Depth: 307.76 psig @ 4081.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.08.10 End Date: 2014.08.10 Last Calib.: 2014.08.10
 Start Time: 13:20:05 End Time: 18:54:14 Time On Btm: 2014.08.10 @ 15:07:30
 Time Off Btm: 2014.08.10 @ 16:06:30

TEST COMMENT: IF: BOB @ 4 1/2 min.
 IS: No return.
 FF: BOB @ 6 1/2 min.
 FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2077.07	111.70	Initial Hydro-static
1	59.72	110.75	Open To Flow (1)
13	181.19	112.55	Shut-In(1)
30	1357.12	114.05	End Shut-In(1)
31	186.61	113.50	Open To Flow (2)
45	307.76	114.38	Shut-In(2)
59	1345.76	115.67	End Shut-In(2)
59	1972.69	115.89	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
570.00	mcw 10m 90w	7.47
0.00	oil spots throughout	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Black Tea Oil, LLC

20 13s 34w Logan, Ks

1011 Centennial Blvd Ste. B
Hays, Ks 67601

Pahls A-1

Job Ticket: 59143

DST#: 2

ATTN: Chris Leiker/ Kevin

Test Start: 2014.08.10 @ 13:20:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

30000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
570.00	mcw 10m 90w	7.467
0.00	oil spots throughout	0.000

Total Length: 570.00 ft Total Volume: 7.467 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .196 @ 82F = 30,000ppm

