



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Chieftain Oil Co. Inc.
 605 S.6th, P.O.Box 124
 Kiowa Ks.67070
 ATTN: David Barker

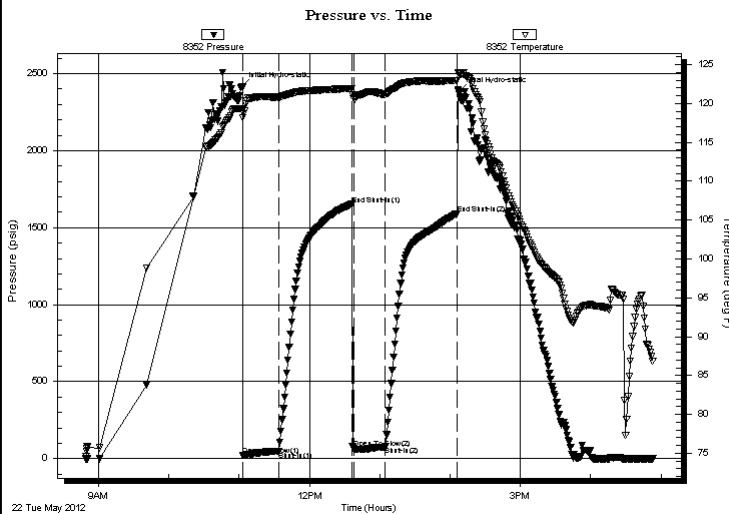
9-33s-10w Barber Ks.
Dusty#3
 Job Ticket: 47536 **DST#: 1**
 Test Start: 2012.05.22 @ 08:49:03

GENERAL INFORMATION:

Formation: **Viola**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 11:03:03 Tester: Gary Pevoteaux
 Time Test Ended: 16:52:48 Unit No: 56
 Interval: **4753.00 ft (KB) To 4814.00 ft (KB) (TVD)** Reference Elevations: 1480.00 ft (KB)
 Total Depth: 4814.00 ft (KB) (TVD) 1472.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 8352 Outside
 Press @ Run Depth: 77.86 psig @ 4754.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.05.22 End Date: 2012.05.22 Last Calib.: 2012.05.22
 Start Time: 08:49:08 End Time: 16:52:47 Time On Btm: 2012.05.22 @ 11:02:03
 Time Off Btm: 2012.05.22 @ 14:07:18

TEST COMMENT: IF: Strong blow . B.O.B. in 3 1/2 mins.
 IS: No blow .
 FF: Strong blow . B.O.B. in 2 secs. GTS in 5 mins. (see gas flow report)
 FS: No blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2412.99	119.34	Initial Hydro-static
1	22.31	118.19	Open To Flow (1)
32	49.80	120.72	Shut-In(1)
94	1650.98	121.93	End Shut-In(1)
96	65.14	120.62	Open To Flow (2)
123	77.86	121.16	Shut-In(2)
184	1590.95	122.94	End Shut-In(2)
186	2383.93	123.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	GOCM 41%g 15%o 44%m	0.59
40.00	GOCM 11%g 9%o 80%m	0.56

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	3.00	27.60
Last Gas Rate	0.25	3.00	27.60
Max. Gas Rate	0.25	3.00	27.60



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FLUID SUMMARY

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9-33s-10w Barber Ks.

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Kiowa Ks.67070

Dusty#3

Job Ticket: 47536

DST#: 1

ATTN: David Barker

Test Start: 2012.05.22 @ 08:49:03

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:

5000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
120.00	GOCM 41%g 15%o 44%m	0.590
40.00	GOCM 11%g 9%o 80%m	0.561

Total Length: 160.00 ft

Total Volume: 1.151 bbl

Num Fluid Samples: 0

Num Gas Bombs: 1

Serial #: gp-1

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:

Serial #: 8352

Outside Chieftain Oil Co. Inc.

Dusty#3

DST Test Number: 1

