



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Chieftain Oil Company, Inc.

6-35s-11w Barber Co. Ks.

101 S 5th St.
P.O. Box 124
Kiowa, Ks. 67070
ATTN: Arden Ratzlaff

Rathgeber #4

Job Ticket: 54179

DST#: 1

Test Start: 2014.06.02 @ 18:43:20

GENERAL INFORMATION:

Formation: **Misener**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 21:59:05

Time Test Ended: 03:49:35

Test Type: Conventional Bottom Hole (Initial)

Tester: Matt Smith

Unit No: 53

Interval: 5142.00 ft (KB) To 5166.00 ft (KB) (TVD)

Total Depth: 5166.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1404.00 ft (KB)

1392.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 6773 Outside

Press @ Run Depth: 95.49 psig @ 5143.00 ft (KB)

Start Date: 2014.06.02

End Date: 2014.06.03

Start Time: 18:43:25

End Time: 03:49:35

Capacity: 8000.00 psig

Last Calib.: 2014.06.03

Time On Btm: 2014.06.02 @ 21:41:50

Time Off Btm: 2014.06.03 @ 01:21:50

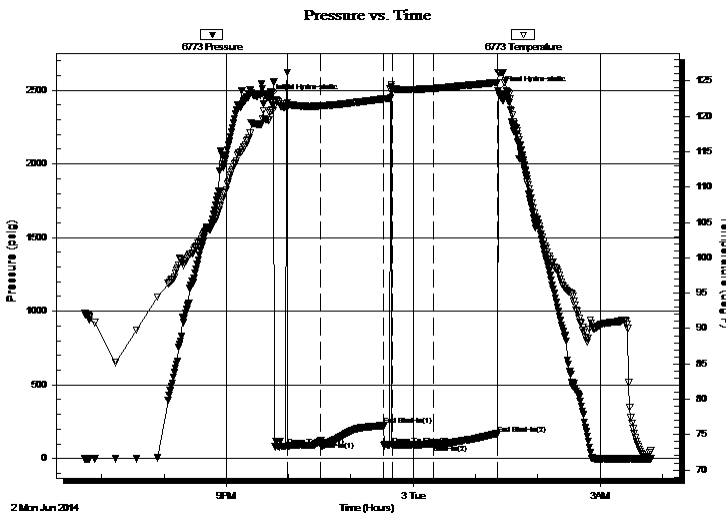
TEST COMMENT: IF: Weak blow . Surf., DEad after 9 mins. Flushed.

IS!: No blow .

FF: No blow . Flushed.

FS!: No blow .

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2443.69	120.51	Initial Hydro-static
18	83.67	121.38	Open To Flow (1)
50	120.90	121.47	Shut-In(1)
110	223.70	122.47	End Shut-In(1)
118	91.73	123.90	Open To Flow (2)
158	95.49	123.95	Shut-In(2)
219	166.60	124.79	End Shut-In(2)
220	2496.94	126.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	DRLG Mud w / trace oil 100%m	0.89

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Chieftain Oil Company, Inc.

6-35s-11w Barber Co. Ks.

101 S 5th St.
P.O. Box 124
Kiowa, Ks. 67070
ATTN: Arden Ratzlaff

Rathgeber #4

Job Ticket: 54179

DST#: 1

Test Start: 2014.06.02 @ 18:43:20

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:

5700 ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5700.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	DRLG Mud w / trace oil 100% _m	0.885

Total Length: 180.00 ft Total Volume: 0.885 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

