



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Woolsey Operating Co. LLC

21-32s-12w Barber Ks

125 N. Market Suite 1000
Wichita Ks 67202

Kirkbride A-1

Job Ticket: 51844

DST#: 3

ATTN: Bill Klaver

Test Start: 2014.01.15 @ 13:36:45

GENERAL INFORMATION:

Formation: **Misener/Viola**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:00:45

Time Test Ended: 23:10:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Gary Pevoteaux

Unit No: 53

Interval: 4550.00 ft (KB) To 4685.00 ft (KB) (TVD)

Reference Elevations: 1591.00 ft (KB)

Total Depth: 4685.00 ft (KB) (TVD)

1579.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

Serial #: 6719 Outside

Press @ Run Depth: 56.61 psig @ 4551.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.01.15 End Date: 2014.01.15

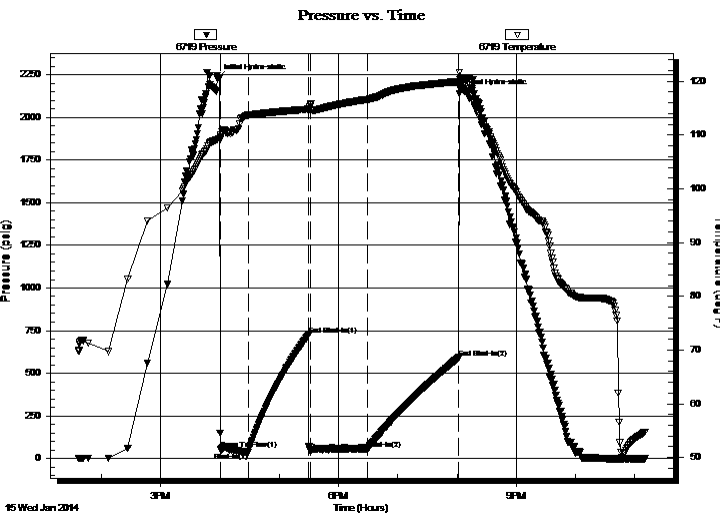
Last Calib.: 2014.01.15

Start Time: 13:36:50 End Time: 23:10:30

Time On Btm: 2014.01.15 @ 15:57:45

Time Off Btm: 2014.01.15 @ 20:02:30

TEST COMMENT: IF: Strong blow . B.O.B. in 40 secs.
IS: Weak blow . 1/4" or less.
FF: Strong blow . B.O.B. in 5 - 10 secs. GTS in 22 mins. TSTM.
FS: No blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2227.43	109.21	Initial Hydro-static
3	53.02	109.74	Open To Flow (1)
32	37.67	113.73	Shut-In(1)
92	725.33	114.83	End Shut-In(1)
94	43.26	115.60	Open To Flow (2)
152	56.61	116.64	Shut-In(2)
244	591.16	119.81	End Shut-In(2)
245	2139.40	121.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
100.00	Drilling mud /w few o specs	0.49

* Recovery from multiple tests

Gas Rates

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



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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:

4000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
100.00	Drilling mud /w few o specs	0.492

Total Length: 100.00 ft Total Volume: 0.492 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: None

Laboratory Name:

Laboratory Location:

Recovery Comments:

