



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Woolsey Operating Co
 125 N Market Ste 1000
 Wichita, KS 67202
 ATTN: Bill Klaver

19-32S-12W Barber
Warren Fee 13
 Job Ticket: 51819 **DST#: 1**
 Test Start: 2014.08.03 @ 07:57:05

GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 10:11:20 Tester: Leal Cason
 Time Test Ended: 17:01:35 Unit No: 74
 Interval: **4434.00 ft (KB) To 4480.00 ft (KB) (TVD)** Reference Elevations: 1649.00 ft (KB)
 Total Depth: 4480.00 ft (KB) (TVD) 1637.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 12.00 ft

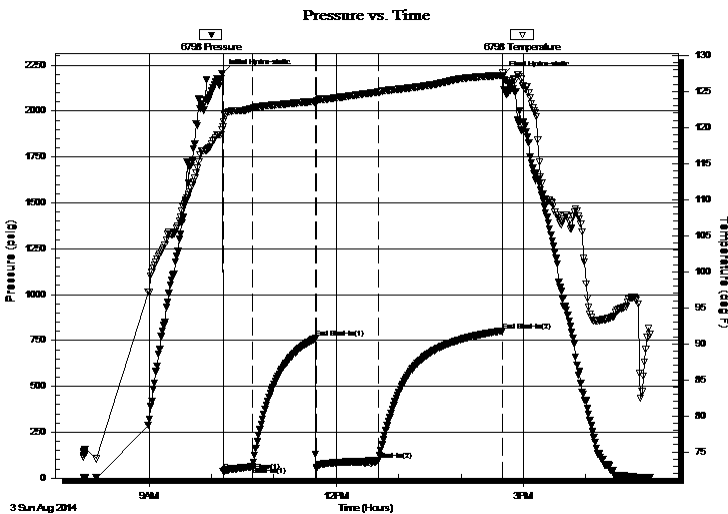
Serial #: 6798

Inside

Press @ Run Depth: 96.46 psig @ 4435.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.08.03 End Date: 2014.08.03 Last Calib.: 2014.08.03
 Start Time: 07:57:06 End Time: 17:01:35 Time On Btm: 2014.08.03 @ 10:10:20
 Time Off Btm: 2014.08.03 @ 14:40:20

TEST COMMENT: IF: Strong Blow , BOB in 1 minute
 IS: 1/2 inch Blow Back
 FF: Strong Blow , BOB in 10 seconds
 FS: 1/2 inch Blow Back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2205.87	119.65	Initial Hydro-static
1	36.96	120.07	Open To Flow (1)
30	62.67	122.67	Shut-In(1)
90	760.90	123.62	End Shut-In(1)
91	53.82	123.52	Open To Flow (2)
150	96.46	124.87	Shut-In(2)
270	802.66	127.20	End Shut-In(2)
270	2191.14	127.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	504 GIP	0.00
180.00	GCM 5%G 95%M	0.89

Gas Rates

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



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FLUID SUMMARY

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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:

ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6500.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
0.00	504 GIP	0.000
180.00	GCM 5%G 95%M	0.885

Total Length: 180.00 ft

Total Volume: 0.885 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

