



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Woolsey Operating Co  
125 N market ste 1000  
Wichita, KS 67202  
ATTN: Scott Alberg

**Spicer Gas Unit # 4**  
**28-33S-10W Barber**  
Job Ticket: 042462 **DST#: 1**  
Test Start: 2011.06.19 @ 08:01:53

## GENERAL INFORMATION:

Formation: **Mississippi**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 11:36:53  
Time Test Ended: 18:36:38  
Interval: **4457.00 ft (KB) To 4565.00 ft (KB) (TVD)**  
Total Depth: 4565.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Good  
Test Type: Conventional Bottom Hole  
Tester: Leal Cason  
Unit No: 45  
Reference Elevations: 1414.00 ft (KB)  
1405.00 ft (CF)  
KB to GR/CF: 9.00 ft

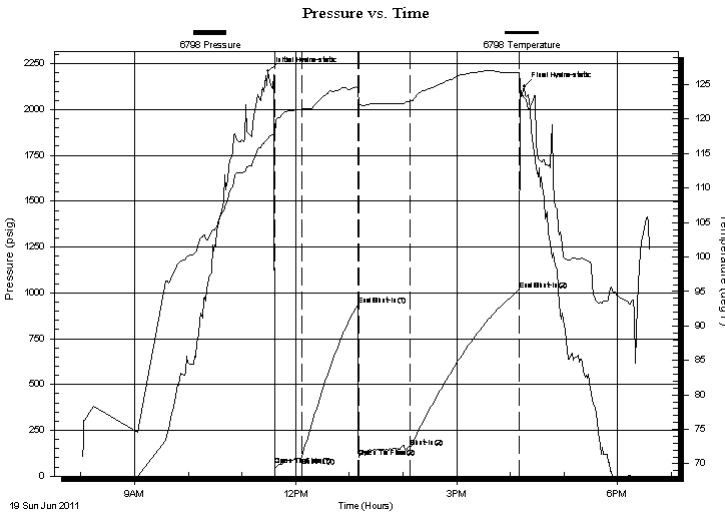
## Serial #: 6798

Inside

Press @ Run Depth: 157.17 psig @ 4458.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2011.06.19 End Date: 2011.06.19 Last Calib.: 2011.06.19  
Start Time: 08:01:54 End Time: 18:36:38 Time On Btm: 2011.06.19 @ 11:29:23  
Time Off Btm: 2011.06.19 @ 16:15:38

**TEST COMMENT:** IF: Strong Blow , BOB in 3 minutes  
IS: Bled Off , No Blow back  
FF: Strong Blow , BOB in 30 seconds  
FS: Bled Off , No Blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2208.26	117.17	Initial Hydro-static
8	56.72	117.45	Open To Flow (1)
38	101.91	121.45	Shut-In(1)
100	932.87	124.56	End Shut-In(1)
102	103.09	122.18	Open To Flow (2)
159	157.17	122.59	Shut-In(2)
281	1015.92	126.74	End Shut-In(2)
287	2124.91	123.16	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	3860 feet GIP	0.00
60.00	Mud	0.30
300.00	GCM 20%G 80%M	1.93

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Woolsey Operating Co  
125 N market ste 1000  
Wichita, KS 67202  
ATTN: Scott Alberg

**Spicer Gas Unit # 4**  
**28-33S-10W Barber**  
Job Ticket: 042462      **DST#: 1**  
Test Start: 2011.06.19 @ 08:01:53

## 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: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.19 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: 0.20 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	3860 feet GIP	0.000
60.00	Mud	0.295
300.00	GCM 20%G 80%M	1.931

Total Length: 360.00 ft      Total Volume: 2.226 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:

### Pressure vs. Time

