



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Mull Drilling Company, Inc  
 1700 N. Waterfront Pkwy  
 Bldg 1200 Wichita, Ks 67206  
 ATTN: Mack Armstrong

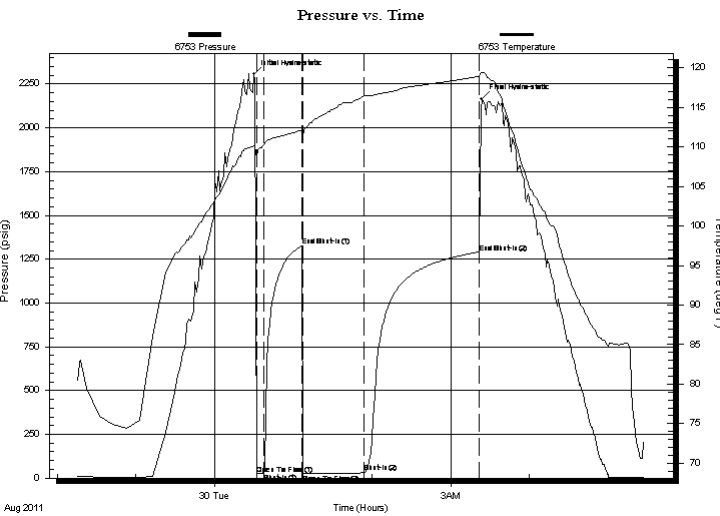
**Backstrom #1-29**  
**29-16-22 Ness, Ks**  
 Job Ticket: 44601 **DST#: 3**  
 Test Start: 2011.08.29 @ 22:15:30

## GENERAL INFORMATION:

Formation: **Cherokee Sd**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 00:32:00  
 Time Test Ended: 05:28:00  
 Interval: **4435.00 ft (KB) To 4450.00 ft (KB) (TVD)**  
 Total Depth: 4450.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole  
 Tester: Brett Dickinson  
 Unit No: 47  
 Reference Elevations: 2432.00 ft (KB)  
 2424.00 ft (CF)  
 KB to GR/CF: 8.00 ft

**Serial #: 6753 Inside**  
 Press @ Run Depth: 31.17 psig @ 4436.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2011.08.29 End Date: 2011.08.30 Last Calib.: 2011.08.30  
 Start Time: 22:15:35 End Time: 05:27:59 Time On Btm: 2011.08.30 @ 00:30:00  
 Time Off Btm: 2011.08.30 @ 03:24:00

**TEST COMMENT:** IF-1/4in blow  
 IS-No blow  
 FF-Very weak surface blow died in 40min  
 FS-No blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2305.52	110.08	Initial Hydro-static
2	24.22	108.63	Open To Flow (1)
8	25.81	110.22	Shut-In(1)
37	1327.69	112.14	End Shut-In(1)
37	24.30	111.31	Open To Flow (2)
84	31.17	116.42	Shut-In(2)
172	1288.89	118.91	End Shut-In(2)
174	2165.94	119.40	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1.00	Oil	0.01
15.00	Oilspotted Mud	0.21

## 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: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.38 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4800.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	Oil	0.014
15.00	Oilspotted Mud	0.210

Total Length: 16.00 ft      Total Volume: 0.224 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

