



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

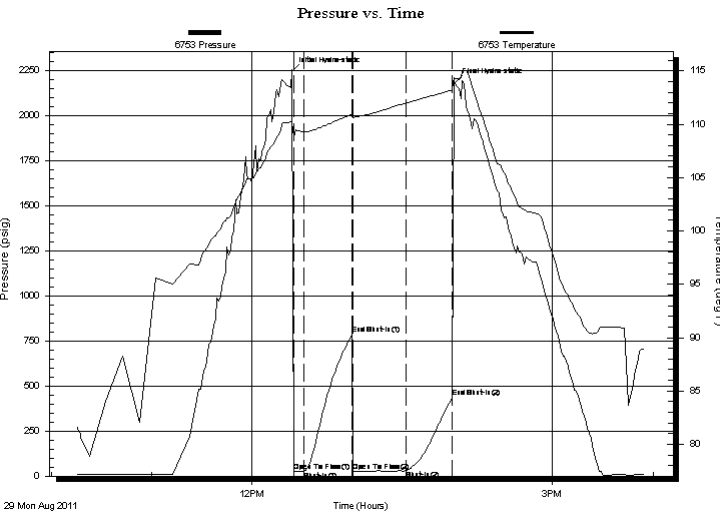
Backstrom #1-29
29-16-22 Ness, Ks
Job Ticket: 44300 **DST#: 2**
Test Start: 2011.08.29 @ 10:15:35

GENERAL INFORMATION:

Formation: **Cherokee SD.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 12:25:05
Time Test Ended: 15:55:05
Interval: **4392.00 ft (KB) To 4435.00 ft (KB) (TVD)**
Total Depth: 4435.00 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 @ RunDepth: 30.47 psig @ 4393.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.08.29 End Date: 2011.08.29 Last Calib.: 2011.08.29
Start Time: 10:15:40 End Time: 15:55:04 Time On Btm: 2011.08.29 @ 12:24:05
Time Off Btm: 2011.08.29 @ 14:01:35

TEST COMMENT: IF-Very weak surface blow
ISI-No blow
FF-No blow
FSI-No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2247.75	110.16	Initial Hydro-static
1	27.10	108.82	Open To Flow (1)
7	27.05	109.29	Shut-In(1)
36	786.49	110.95	End Shut-In(1)
37	25.73	110.58	Open To Flow (2)
68	30.47	111.97	Shut-In(2)
96	440.84	113.20	End Shut-In(2)
98	2184.12	114.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

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: 44300 **DST#: 2**
Test Start: 2011.08.29 @ 10:15:35

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: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.58 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4700.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud	0.070

Total Length: 5.00 ft Total Volume: 0.070 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

