



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

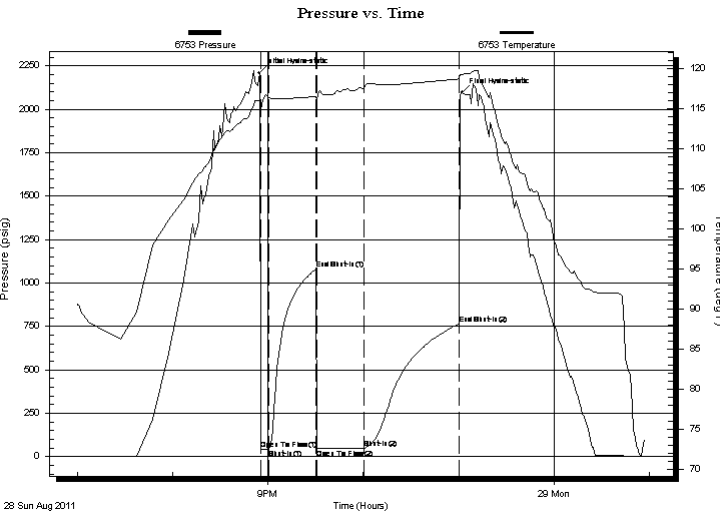
Backstrom #1-29
29-16-22 Ness, Ks
Job Ticket: 44299 **DST#: 1**
Test Start: 2011.08.28 @ 19:00:18

GENERAL INFORMATION:

Formation: **Ft. Scott - Cherokee**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole
Time Tool Opened: 20:55:48 Tester: Brian Fairbank
Time Test Ended: 00:56:48 Unit No: 47
Interval: **4320.00 ft (KB) To 4374.00 ft (KB) (TVD)** Reference Elevations: 2432.00 ft (KB)
Total Depth: 4374.00 ft (KB) (TVD) 2424.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 8.00 ft

Serial #: 6753 Inside
Press @ Run Depth: 49.48 psig @ 4321.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.08.28 End Date: 2011.08.29 Last Calib.: 2011.08.29
Start Time: 19:00:23 End Time: 00:56:47 Time On Btm: 2011.08.28 @ 20:54:48
Time Off Btm: 2011.08.28 @ 23:02:18

TEST COMMENT: IFP - weak blow throughout 1/4" - 1/2"
ISI - no blow back
FFP - no blow 4 min - sur blow died 10 min
FSI - no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2210.81	115.98	Initial Hydro-static
1	42.21	114.90	Open To Flow (1)
6	43.93	116.45	Shut-In(1)
36	1080.82	116.57	End Shut-In(1)
36	45.01	116.34	Open To Flow (2)
66	49.48	117.64	Shut-In(2)
126	764.37	118.76	End Shut-In(2)
128	2096.04	119.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	drl mud 100%	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: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.59 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
15.00	drl mud 100%	0.210

Total Length: 15.00 ft Total Volume: 0.210 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

