

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Mull Drilling Co Inc**

CONFIDENTIAL
N. Main Ste 300
Wichita, Ks
JAN 09 2009
67202

ATTN: Phil Askay
KCC

27-17s-28w Lane, Ks

Foos #1-27

Start Date: 2008.11.01 @ 15:20:05

End Date: 2008.11.01 @ 21:50:44

Job Ticket #: 33421' DST #: 1

15-101-22136

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Mull Drilling Co Inc

Foos #1-27

27-17s-28w Lane, Ks

DST # 1

Cherokee Sand

2008.11.01

21-115-68w



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Mull Drilling Co Inc
 221 N. Main Ste 300
 Wichita, Ks
 67202
 ATTN: Phil Askey

Foos #1-27
27-17s-28w Lane, Ks
 Job Ticket: 33421 **DST#: 1**
 Test Start: 2008.11.01 @ 15:20:05

GENERAL INFORMATION:

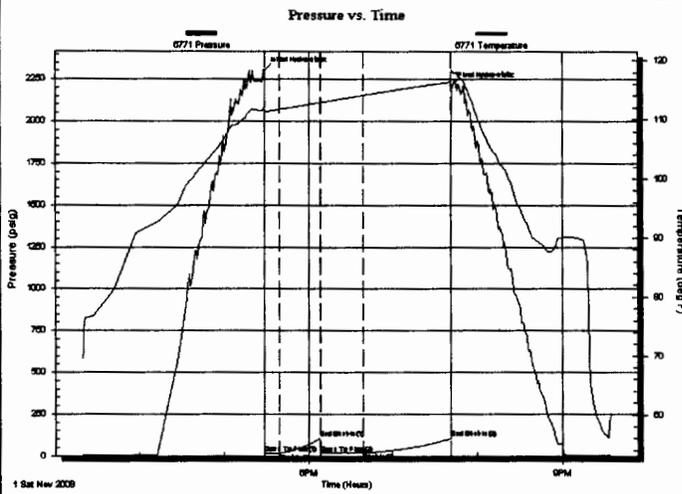
Formation: **Cherokee Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 17:28:30
 Time Test Ended: 21:50:44
 Interval: **4461.00 ft (KB) To 4547.00 ft (KB) (TVD)**
 Total Depth: 4547.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole
 Tester: Shane McBride
 Unit No: 40
 Reference Elevations: 2765.00 ft (KB)
 2760.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6771

Outside

Press@RunDepth: 19.11 psig @ 4462.00 ft (KB)
 Start Date: 2008.11.01 End Date: 2008.11.01 Capacity: 7000.00 psig
 Start Time: 15:20:05 End Time: 21:34:44 Last Calib.: 2008.11.01
 Time On Btrr: 2008.11.01 @ 17:28:15
 Time Off Btrr: 2008.11.01 @ 19:41:45

TEST COMMENT: Surface blow died in 6 min
 No return
 No blow
 No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2300.19	111.98	Initial Hydro-static
1	17.51	111.15	Open To Flow (1)
11	18.09	111.71	Shut-In(1)
40	106.64	112.85	End Shut-In(1)
41	18.76	112.85	Open To Flow (2)
71	19.11	114.07	Shut-In(2)
133	104.97	116.32	End Shut-In(2)
134	2212.46	117.37	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	mud 100%m	0.01

Gas Rates

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



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TOOL DIAGRAM

Mull Drilling Co Inc

Foos #1-27

221 N. Main Ste 300

27-17s-28w Lane, Ks

Wichita, Ks

Job Ticket: 33421

DST#: 1

67202

ATTN: Phil Askey

Test Start: 2008.11.01 @ 15:20:05

Tool Information

Drill Pipe:	Length: 4349.00 ft	Diameter: 3.80 inches	Volume: 61.01 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 60000.00 lb
			Total Volume: 61.61 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	4461.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	86.00 ft			
Tool Length:	106.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4442.00	
Shut In Tool	5.00			4447.00	
Hydraulic tool	5.00			4452.00	
Packer	5.00			4457.00	20.00 Bottom Of Top Packer
Packer	4.00			4461.00	
Stubb	1.00			4462.00	
Recorder	0.00	6667	Inside	4462.00	
Recorder	0.00	6771	Outside	4462.00	
Perforations	15.00			4477.00	
Change Over Sub	1.00			4478.00	
Drill Pipe	63.00			4541.00	
Change Over Sub	1.00			4542.00	
Bullnose	5.00			4547.00	86.00 Bottom Packers & Anchor

Total Tool Length: 106.00



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FLUID SUMMARY

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27-17s-28w Lane, Ks

Job Ticket: 33421

DST#: 1

Test Start: 2008.11.01 @ 15:20:05

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.18 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	mud 100% _m	0.010

Total Length: 2.00 ft

Total Volume: 0.010 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

