



DRILL STEM TEST REPORT

Prepared For: **MULL DRILLING COMPANY INC.**

1700 N WATERFRONT PKWY BLDG 1200
WICHITA KS 67206

ATTN: KEVIN KESSLER

6-19S-28W LANE

HINEMAN TRUST 1-6

Start Date: 2010.10.20 @ 21:00:00

End Date: 2010.10.21 @ 02:34:00

Job Ticket #: 1042 DST #: 5

Eagle Testers LLC.

P.O.Box 1011, Great Bend, KS 67530

620-617-7548

Printed: 2010.10.20 @ 21:50:38

MULL DRILLING COMPANY INC. HINEMAN TRUST 1-6 6-19S-28W LANE DST # 5 MARM 2010.10.20



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MULL DRILLING COMPANY INC.

HINEMAN TRUST 1-6

1700 N WATERFRONT PKWY BLDG 1200
WICHITA KS 67206

6-19S-28W LANE

Job Ticket: 1042

DST#: 5

ATTN: KEVIN KESSLER

Test Start: 2010.10.20 @ 21:00:00

GENERAL INFORMATION:

Formation: **MARM**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:53:30

Time Test Ended: 02:34:00

Test Type: Conventional Bottom Hole (Initial)

Tester: DAVID NICHOLS

Unit No: 15 62 M SCOTT CITY

Interval: 4400.00 ft (KB) To 4500.00 ft (KB) (TVD)

Reference Elevations: 2789.00 ft (KB)

Total Depth: 4500.00 ft (KB) (TVD)

2781.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6651

Inside

Press @ RunDepth: 91.60 psig @ 4496.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2010.10.20

End Date:

2010.10.21

Last Calib.: 2010.10.20

Start Time: 21:00:00

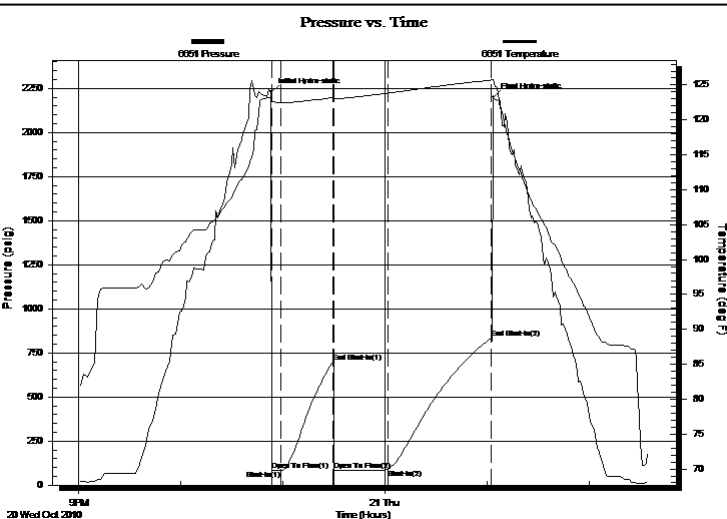
End Time:

02:34:00

Time On Btm: 2010.10.20 @ 22:53:00

Time Off Btm: 2010.10.21 @ 01:03:30

TEST COMMENT: 5-INITIAL OPENING SURFACE BLOW
30-INITIAL SHUT IN NO BLOW BACK
30-FINAL OPENING NO BLOW
60-FINAL SHUT IN NO BLOW BACK



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2227.49	123.25	Initial Hydro-static
1	85.59	122.64	Open To Flow (1)
6	83.96	122.49	Shut-In(1)
36	697.36	123.18	End Shut-In(1)
37	85.55	123.03	Open To Flow (2)
69	91.60	123.83	Shut-In(2)
129	833.86	125.71	End Shut-In(2)
131	2198.85	125.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	MUD 100%MUD	0.07

Gas Rates

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



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TOOL DIAGRAM

MULL DRILLING COMPANY INC.

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1700 N WATERFRONT PKWY BLDG 1200
WICHITA KS 67206

6-19S-28W LANE

Job Ticket: 1042

DST#: 5

ATTN: KEVIN KESSLER

Test Start: 2010.10.20 @ 21:00:00

Tool Information

Drill Pipe:	Length: 4378.00 ft	Diameter: 3.88 inches	Volume: 64.02 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 64.02 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	1.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4400.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	100.00 ft			
Tool Length:	123.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
SHUT IN TOOL	5.00			4382.00		
HYD S.I. Tool	5.00			4387.00		
jars	6.00			4393.00		
safty joint	2.00			4395.00		
TRAVEL COLER	2.00			4397.00		
Packer	3.00			4400.00	23.00	Bottom Of Top Packer
travel collar	2.00			4402.00	100.00	Tool Interval
Packer	3.00			4405.00		
change over sub	0.75			4405.75		
drill pipe	62.50			4468.25		
change over sub	0.75			4469.00		
Perforations	26.00			4495.00		
Recorder	1.00	6651	Inside	4496.00		
Recorder	1.00		Outside	4497.00		
bull plug	3.00			4500.00	1000122.00	Bottom Packers & Anchor

Total Tool Length: 123.00



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FLUID SUMMARY

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HINEMAN TRUST 1-6
6-19S-28W LANE
Job Ticket: 1042 **DST#: 5**
Test Start: 2010.10.20 @ 21:00:00

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: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.20 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4100.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	MUD 100%MUD	0.073

Total Length: 5.00 ft Total Volume: 0.073 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time

