



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Mull Drilling Co, Inc

1700 Waterfront PKWY B #1200
Wichita, Ks 67206

ATTN: Phill Askey

APC Tennell #1-33

33 17s 45w Kiowa, Co

Job Ticket: 042246

DST#: 2

Test Start: 2011.07.30 @ 17:43:00

GENERAL INFORMATION:

Formation: **Ft Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:05:45

Time Test Ended: 06:19:15

Test Type: Conventional Bottom Hole

Tester: Bradley Walter

Unit No: 40

Interval: 4295.00 ft (KB) To 4325.00 ft (KB) (TVD)

Total Depth: 4070.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 4009.00 ft (KB)

3998.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8652 Inside

Press @ Run Depth: 890.14 psig @ 4296.00 ft (KB)

Start Date: 2011.07.30

End Date:

2011.07.31

Start Time: 17:43:05

End Time:

06:19:15

Capacity: 8000.00 psig

Last Calib.: 2011.07.31

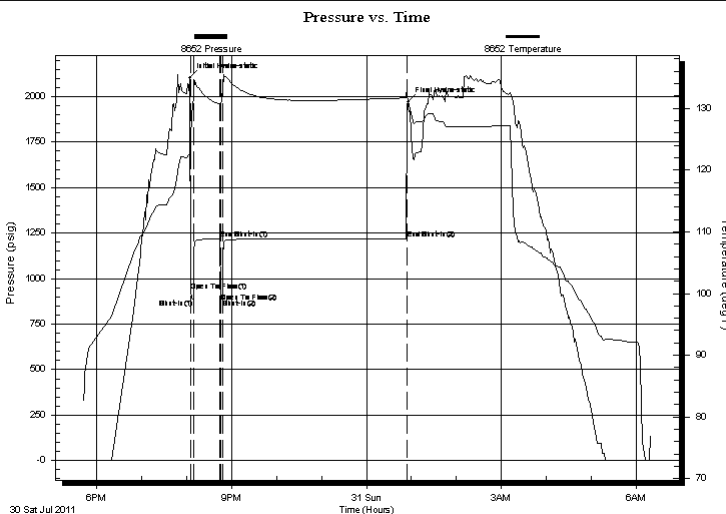
Time On Btm: 2011.07.30 @ 20:04:45

Time Off Btm: 2011.07.31 @ 00:55:45

TEST COMMENT: IF: BOB @ 20 seconds
ISI: BOB 2 inch line opened.
FF: Oil to surface @ 6 minutes
FSI: Bled for 45 minutes through 2 inch line.

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2102.78	122.64	Initial Hydro-static
1	931.26	125.22	Open To Flow (1)
5	889.76	131.53	Shut-In(1)
41	1218.12	130.65	End Shut-In(1)
41	923.24	129.63	Open To Flow (2)
44	890.14	132.50	Shut-In(2)
290	1218.79	131.71	End Shut-In(2)
291	1970.51	130.01	Final Hydro-static



Recovery

Length (ft)	Description	Volume (bbl)
120.00	gmco 30g 20m 50o	0.59
4159.00	go Gas and oil to sfce 6 minutes 2nd Opn	57.79

Gas Rates

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

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Job Ticket: 042246

DST#: 2

ATTN: Phill Askey

Test Start: 2011.07.30 @ 17:43:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	gmco 30g 20m 50o	0.590
4159.00	go Gas and oil to sfce 6 minutes 2nd 0pn	57.793

Total Length: 4279.00 ft

Total Volume: 58.383 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

