



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Grand Mesa Operating Co.

**17-11s-26w-Gove**

1700 N. Waterfront Parkway  
Building 600  
Wichita, KS. 67206  
ATTN: Bob Schreiber

**QR #1-17**

Job Ticket: 48706

**DST#: 2**

Test Start: 2012.10.14 @ 05:40:35

## GENERAL INFORMATION:

Formation: **H**  
 Deviated: No Whipstock: 0.00 ft (KB)  
 Time Tool Opened: 08:12:05  
 Time Test Ended: 12:10:35  
 Interval: **4036.00 ft (KB) To 4064.00 ft (KB) (TVD)**  
 Total Depth: 4064.00 ft (KB) (TVD)  
 Hole Diameter: 7.80 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Jason McLemore  
 Unit No: 54  
 Reference Elevations: 2652.00 ft (KB)  
 2647.00 ft (CF)  
 KB to GR/CF: 5.00 ft

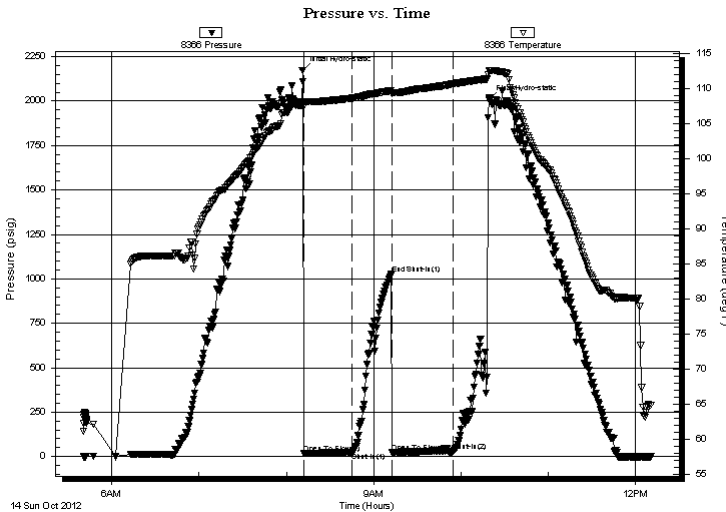
## Serial #: 8366

Inside

Press @ Run Depth: 23.05 psig @ 4041.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2012.10.14 End Date: 2012.10.14 Last Calib.: 1899.12.30  
 Start Time: 05:40:37 End Time: 12:10:35 Time On Btm: 2012.10.14 @ 08:11:05  
 Time Off Btm: 2012.10.14 @ 10:19:50

TEST COMMENT: IFP-Weak Surface Blow, Died in 10 Min.  
 ISI-Dead  
 FFP-Dead  
 FSI-Dead

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2173.05	108.17	Initial Hydro-static
1	19.34	107.50	Open To Flow (1)
34	23.05	108.62	Shut-In(1)
62	1026.26	109.69	End Shut-In(1)
62	25.37	109.27	Open To Flow (2)
104	28.80	110.69	Shut-In(2)
129	2006.92	112.57	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
3.00	Drilling Mud	0.01

## Gas Rates

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

\* Recovery from multiple tests



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## GENERAL INFORMATION:

Formation: **H**  
Deviated: No Whipstock: 0.00 ft (KB)  
Time Tool Opened: 08:12:05  
Time Test Ended: 12:10:35

Test Type: Conventional Bottom Hole (Reset)  
Tester: Jason McLemore  
Unit No: 54

**Interval: 4036.00 ft (KB) To 4064.00 ft (KB) (TVD)**  
Total Depth: 4064.00 ft (KB) (TVD)  
Hole Diameter: 7.80 inchesHole Condition: Good

Reference Elevations: 2652.00 ft (KB)  
2647.00 ft (CF)  
KB to GR/CF: 5.00 ft

**Serial #: 8289**

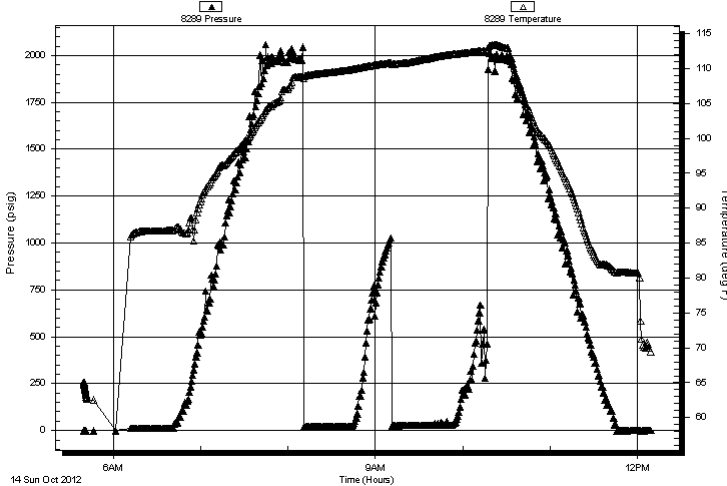
**Outside**

Press @RunDepth: psig @ 4041.00 ft (KB)  
Start Date: 2012.10.14 End Date: 2012.10.14  
Start Time: 05:39:16 End Time: 12:09:14

Capacity: 8000.00 psig  
Last Calib.: 2012.10.14  
Time On Btm:  
Time Off Btm:

TEST COMMENT: IFP-Weak Surface Blow , Died in 10 Min.  
ISI-Dead  
FFP-Dead  
FSI-Dead

Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

## Recovery

Length (ft)	Description	Volume (bbl)
3.00	Drilling Mud	0.01

\* Recovery from multiple tests

## Gas Rates

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



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# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Grand Mesa Operating Co.

**17-11s-26w-Gove**

1700 N. Waterfront Parkway  
Building 600  
Wichita, KS. 67206  
ATTN: Bob Schreiber

**QR #1-17**

Job Ticket: 48706

**DST#: 2**

Test Start: 2012.10.14 @ 05:40:35

## Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 68.00 sec/qt

Water Loss: 7.60 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 2400.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	Drilling Mud	0.015

Total Length: 3.00 ft      Total Volume: 0.015 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time

