



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Grand Mesa Operating  
 1700 N Waterfront PKWY BLDG 600  
 Wichita, Ks 67206  
 ATTN: Bob Schreiber

**15-16-33 Scott, KS**  
**Doornbos 1-15**  
 Job Ticket: 43838 **DST#: 2**  
 Test Start: 2011.10.05 @ 14:52:13

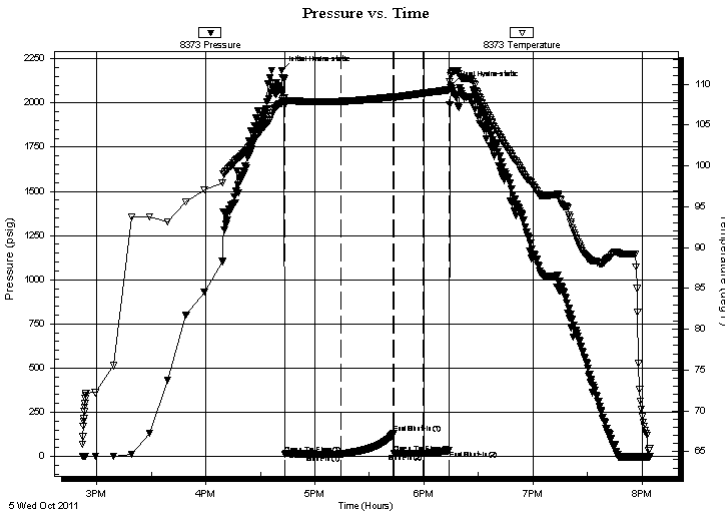
## GENERAL INFORMATION:

Formation: **L**  
 Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Bottom Hole (Reset)**  
 Time Tool Opened: **16:43:23** Tester: **Brandon Turley**  
 Time Test Ended: **20:04:22** Unit No: **35**  
**Interval: 4305.00 ft (KB) To 4327.00 ft (KB) (TVD)** Reference Elevations: **3043.00 ft (KB)**  
 Total Depth: **4327.00 ft (KB) (TVD)** **3038.00 ft (CF)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Good** KB to GR/CF: **5.00 ft**

**Serial #: 8373** **Inside**  
 Press @ Run Depth: **16.32 psig @ 4306.00 ft (KB)** Capacity: **8000.00 psig**  
 Start Date: **2011.10.05** End Date: **2011.10.05** Last Calib.: **2011.10.05**  
 Start Time: **14:52:13** End Time: **20:04:22** Time On Btm: **2011.10.05 @ 16:41:53**  
 Time Off Btm: **2011.10.05 @ 18:14:53**

**TEST COMMENT:** IF: Surface blow died in 8 min.  
 IS: No return.  
 FF: No blow.  
 FS: No return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2184.20	107.78	Initial Hydro-static
2	13.98	107.46	Open To Flow (1)
33	14.30	107.91	Shut-In(1)
62	129.25	108.48	End Shut-In(1)
62	17.29	108.40	Open To Flow (2)
78	16.32	108.89	Shut-In(2)
92	34.00	109.33	End Shut-In(2)
93	2098.27	111.31	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud oil spots 100%m	0.02

\* Recovery from multiple tests

## Gas Rates

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



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**FLUID SUMMARY**

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Job Ticket: 43838

**DST#: 2**

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Test Start: 2011.10.05 @ 14:52:13

## 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: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4800.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud oil spots 100%m	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8373

Inside

Grand Mesa Operating

Dooribus 1-15

DST Test Number: 2

