



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Grand Mesa Operating Company

**DBY 1-16**

1700 N. Waterfront PKWY BLDG 600  
Wichita, KS 67206

**16-16-33 Scott, KS**

Job Ticket: 042719

**DST#: 3**

ATTN: Steve Carl

Test Start: 2011.07.31 @ 23:05:30

## GENERAL INFORMATION:

Formation: **Lansing H-I-J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:04:25

Time Test Ended: 06:52:39

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

**Interval: 4194.00 ft (KB) To 4298.00 ft (KB) (TVD)**

Reference Elevations: 3085.00 ft (KB)

Total Depth: 4298.00 ft (KB) (TVD)

3075.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8373**

**Inside**

Press @ Run Depth: 313.86 psig @ 4195.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.31

End Date:

2011.08.01

Last Calib.: 2011.08.01

Start Time: 23:05:30

End Time:

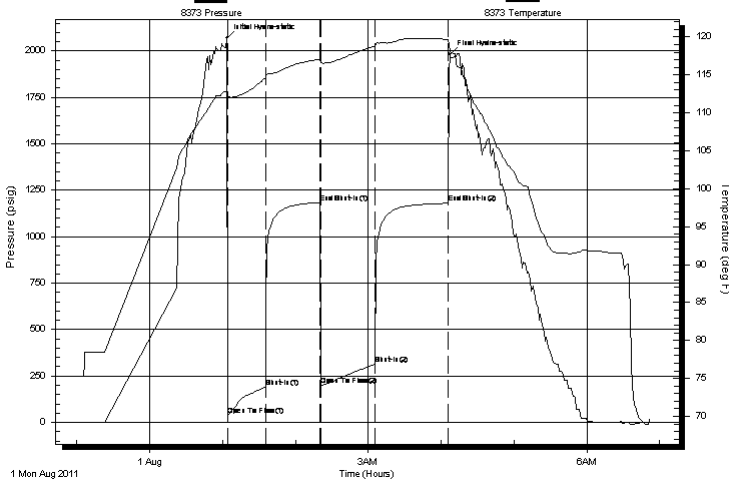
06:52:39

Time On Btm: 2011.08.01 @ 01:03:25

Time Off Btm: 2011.08.01 @ 04:07:09

**TEST COMMENT:** IF: BOB in 12 min.  
IS: No return.  
FF: BOB in 16 min.  
FS: No return.

Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2067.80	112.78	Initial Hydro-static
1	39.55	111.97	Open To Flow (1)
32	190.78	114.54	Shut-In(1)
77	1184.03	117.04	End Shut-In(1)
78	199.31	116.65	Open To Flow (2)
123	313.86	118.82	Shut-In(2)
183	1180.69	119.69	End Shut-In(2)
184	1982.84	118.13	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
310.00	mcw 90%w 10%m	2.19
186.00	mcw 60%w 40%m	2.61
186.00	mcw oil spots 5%w 95%m	2.61

## Gas Rates

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



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**FLUID SUMMARY**

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## 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:

26000 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.38 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
310.00	mcw 90%w 10%m	2.190
186.00	mcw 60%w 40%m	2.609
186.00	mcw oil spots 5%w 95%m	2.609

Total Length: 682.00 ft      Total Volume: 7.408 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .26@71=26000

### Pressure vs. Time

