



**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: 042724

**DST#: 8**

ATTN: Steve Carl

Test Start: 2011.08.04 @ 18:27:51

## GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:26:01

Time Test Ended: 03:00:46

Test Type: Conventional Bottom Hole

Tester: Brandon Turley- Will

Unit No: 35

**Interval: 4565.00 ft (KB) To 4660.00 ft (KB) (TVD)**

Reference Elevations: 3085.00 ft (KB)

Total Depth: 4660.00 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: 159.85 psig @ 4566.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.08.04

End Date:

2011.08.05

Last Calib.:

2011.08.05

Start Time: 18:27:51

End Time:

03:00:46

Time On Btm:

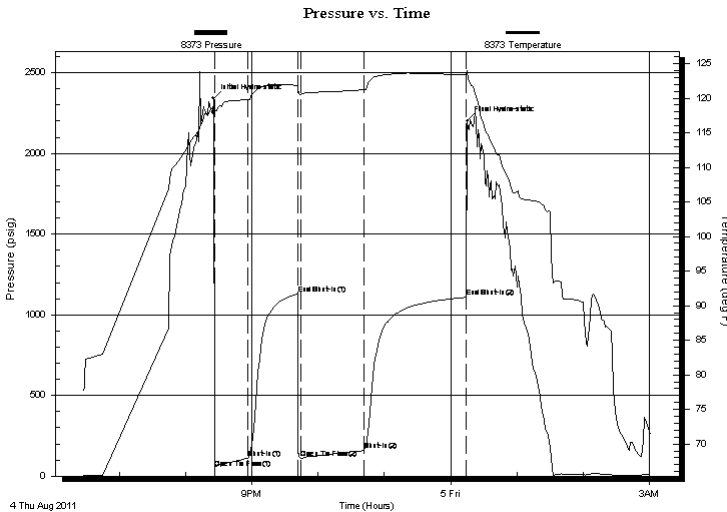
2011.08.04 @ 20:25:16

Time Off Btm:

2011.08.05 @ 00:14:45

**TEST COMMENT:** IF-BOB -in 11min  
ISI-Surface Blow Built to 1" Died in 36min  
FF-BOB in 5min  
FSI-Surface Blow Built to 2" Died in 34min

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2341.50	118.53	Initial Hydro-static
1	46.25	117.36	Open To Flow (1)
31	111.15	119.78	Shut-In(1)
77	1130.70	121.86	End Shut-In(1)
80	109.94	120.55	Open To Flow (2)
137	159.85	121.24	Shut-In(2)
229	1108.70	123.47	End Shut-In(2)
230	2202.70	124.01	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
62.00	mcgo 30%g 50%o 20%m	0.30
62.00	mcgo 10%g 75%o 15 %m	0.30
186.00	mcgo 60%g 30%o 10%m	1.58
50.00	gocm 5%g 5%o 90%m	0.70
0.00	992 GIP	0.00

## 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:

0 ppm

Viscosity: 64.00 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: 7700.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
62.00	mcgo 30%g 50%o 20%m	0.305
62.00	mcgo 10%g 75%o 15 %m	0.305
186.00	mcgo 60%g 30%o 10%m	1.580
50.00	gocm 5%g 5%o 90%m	0.701
0.00	992 GIP	0.000

Total Length: 360.00 ft

Total Volume: 2.891 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time

