



**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**

ATTN: Steve Carl

Job Ticket: 042721

**DST#: 5**

Test Start: 2011.08.02 @ 06:30:07

## GENERAL INFORMATION:

Formation: **Hertha**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:16:02

Time Test Ended: 15:02:47

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

**Interval: 4330.00 ft (KB) To 4370.00 ft (KB) (TVD)**

Reference Elevations: 3085.00 ft (KB)

Total Depth: 4370.00 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: 582.10 psig @ 4331.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.08.02

End Date:

2011.08.02

Last Calib.:

2011.08.02

Start Time: 06:30:07

End Time:

15:02:47

Time On Btm:

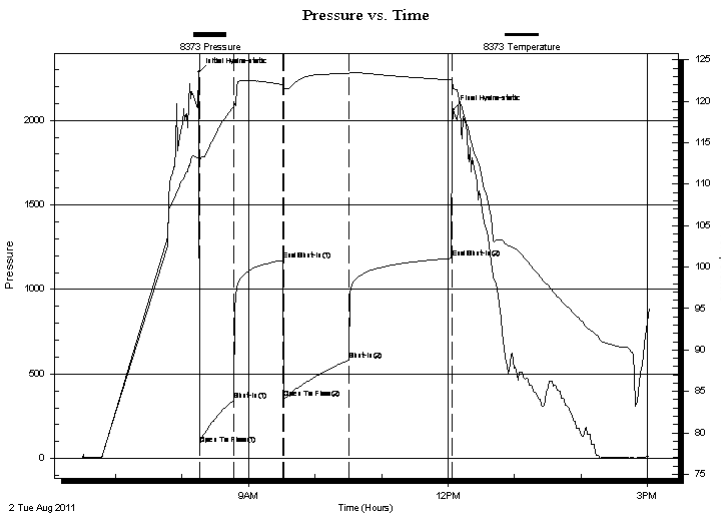
2011.08.02 @ 08:15:02

Time Off Btm:

2011.08.02 @ 12:04:46

**TEST COMMENT:** IF: BOB in 3 min.  
IS: Surface blow built to 4 in 45 min.  
FF: BOB in 6 min.  
FS: BOB in 60 min.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2283.45	113.24	Initial Hydro-static
1	81.96	112.82	Open To Flow (1)
32	343.27	119.29	Shut-In(1)
76	1172.57	122.01	End Shut-In(1)
77	358.35	121.67	Open To Flow (2)
135	582.10	123.32	Shut-In(2)
229	1184.33	122.60	End Shut-In(2)
230	2062.47	121.63	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
310.00	mcw 95%w 5%m	2.19
310.00	ocmw 5%o 85%w 10%m	4.35
248.00	gocmw 10%g 20%o 60%w 10%m	3.48
186.00	gocmw 20%g 10%o 50%w 20%m	2.61
341.00	mw cgo 10%g 80%o 5%w 5%m	4.78
0.00	403 GIP	0.00

## Gas Rates

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



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## FLUID SUMMARY

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Job Ticket: 042721

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### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

29 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

25000 ppm

Viscosity: 63.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
310.00	mcw 95%w 5%m	2.190
310.00	ocmw 5%o 85%w 10%m	4.348
248.00	gocmw 10%g 20%o 60%w 10%m	3.479
186.00	gocmw 20%g 10%o 50%w 20%m	2.609
341.00	mw cgo 10%g 80%o 5%w 5%m	4.783
0.00	403 GIP	0.000

Total Length: 1395.00 ft      Total Volume: 17.409 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 32@90=29

.21@90=25000

