



**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: 042720

**DST#: 4**

ATTN: Steve Carl

Test Start: 2011.08.01 @ 15:23:36

## GENERAL INFORMATION:

Formation: **Swope**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:18:31

Time Test Ended: 22:26:45

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

**Interval: 4286.00 ft (KB) To 4330.00 ft (KB) (TVD)**

Reference Elevations: 3085.00 ft (KB)

Total Depth: 4330.00 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: 947.16 psig @ 4287.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.08.01

End Date:

2011.08.01

Last Calib.:

2011.08.01

Start Time: 15:23:36

End Time:

22:26:45

Time On Btm:

2011.08.01 @ 17:17:31

Time Off Btm:

2011.08.01 @ 20:02:45

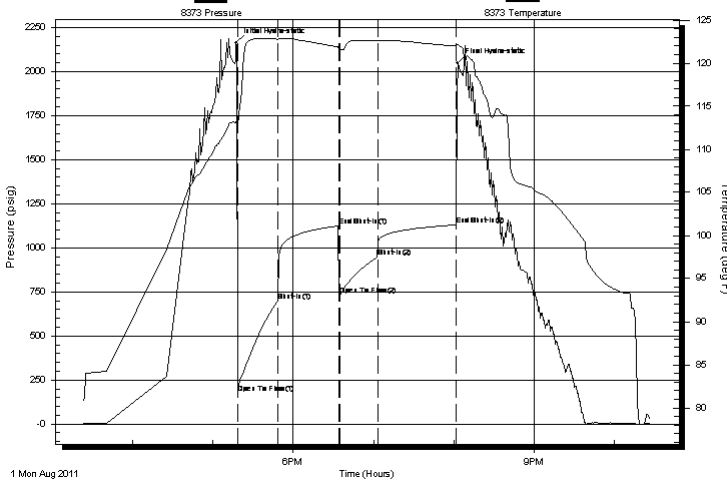
TEST COMMENT: IF:BOB in 1 min.

IS: No return.

FF: BOB in 3 min.

FS: No return.

Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2163.81	113.19	Initial Hydro-static
1	174.99	112.51	Open To Flow (1)
31	699.85	122.79	Shut-In(1)
77	1123.95	121.92	End Shut-In(1)
77	729.95	121.67	Open To Flow (2)
106	947.16	122.61	Shut-In(2)
164	1130.44	121.98	End Shut-In(2)
166	2049.15	122.21	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
775.00	water 100%w	8.71
496.00	mcw 90%w 10%m	6.96
279.00	w cm 10%w 90%m	3.91

## Gas Rates

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



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**FLUID SUMMARY**

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Job Ticket: 042720

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Test Start: 2011.08.01 @ 15:23:36

## 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:

24000 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 bbbl
775.00	water 100%w	8.712
496.00	mcw 90%w 10%m	6.958
279.00	w cm 10%w 90%m	3.914

Total Length: 1550.00 ft      Total Volume: 19.584 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

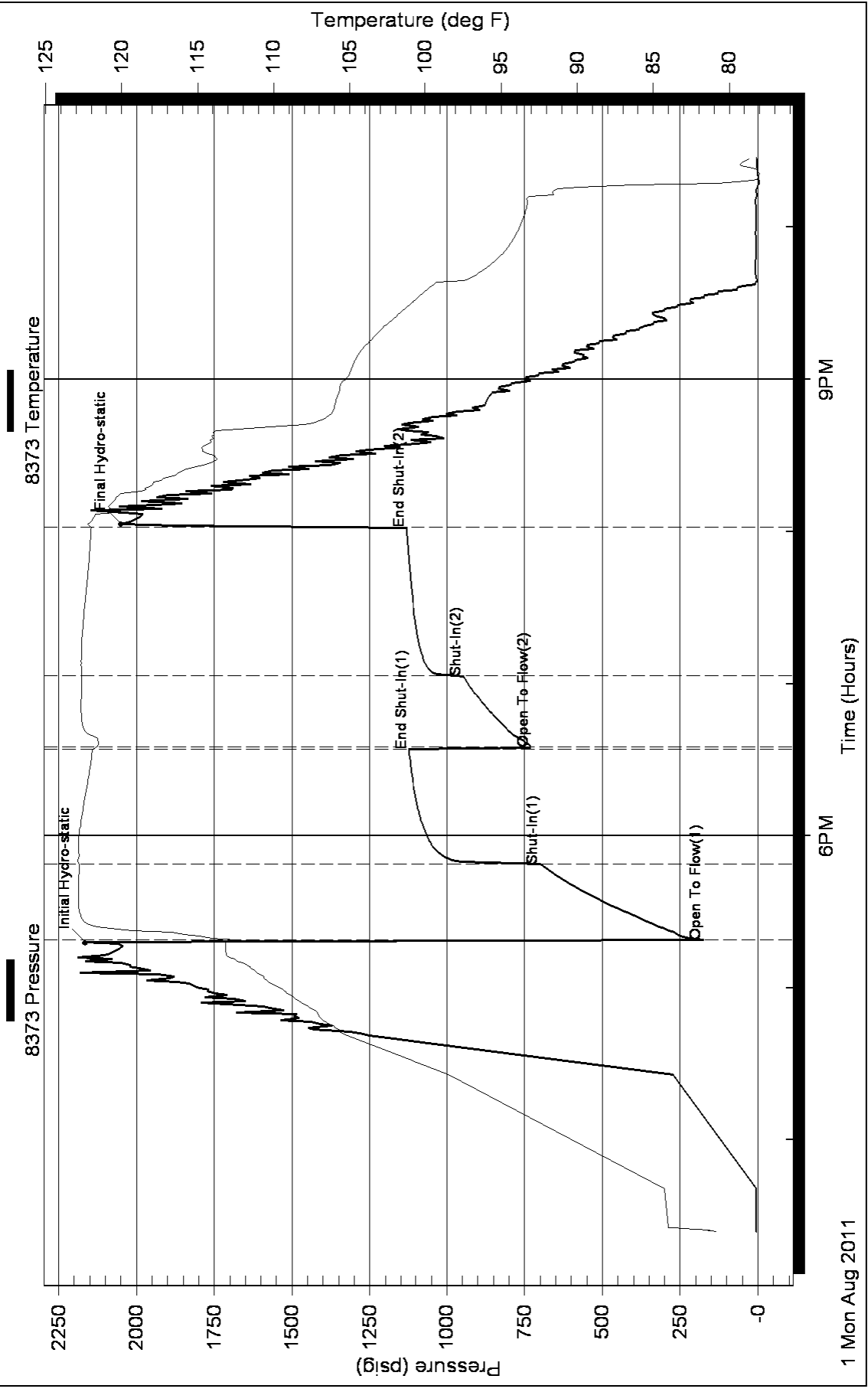
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .22@90=24000

# Pressure vs. Time



1 Mon Aug 2011