



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Grand Mesa Operating Co.

**23-16s-33w Scott Co. KS**

1700 N. Waterfront PKWY BLDG 600  
Wichita KS. 67206

**Griffith # 1-23**

Job Ticket: 45150

**DST#: 1**

ATTN: Kent Matson

Test Start: 2012.04.01 @ 14:41:00

## GENERAL INFORMATION:

Formation: **Toronto & Upper Lans**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:29:10

Time Test Ended: 21:36:54

Test Type: Conventional Bottom Hole (Initial)

Tester: Will MacLean

Unit No: 40

**Interval: 3943.00 ft (KB) To 3978.00 ft (KB) (TVD)**

Reference Elevations: 3008.00 ft (KB)

Total Depth: 3978.00 ft (KB) (TVD)

3003.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8652 Inside**

Press @ Run Depth: 79.88 psig @ 3946.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.01

End Date:

2012.04.01

Last Calib.:

2012.04.01

Start Time: 14:41:00

End Time:

21:36:54

Time On Btm:

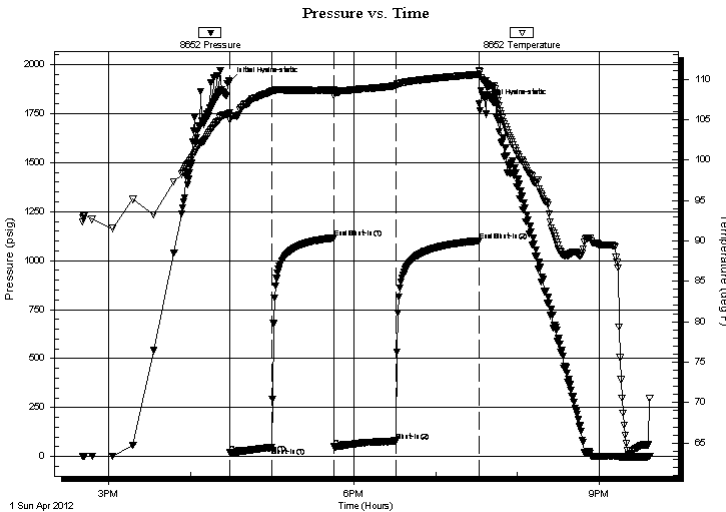
2012.04.01 @ 16:28:55

Time Off Btm:

2012.04.01 @ 19:31:54

**TEST COMMENT:** IF- Weak Surface Blow Built to 1 3/4"  
IS- No Blow  
FF- Weak Surface Blow in 7 1/2min Built to 1"  
FS- No Blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1915.05	105.83	Initial Hydro-static
1	18.86	104.98	Open To Flow (1)
31	46.83	108.45	Shut-In(1)
77	1116.03	108.63	End Shut-In(1)
77	49.24	107.99	Open To Flow (2)
122	79.88	109.20	Shut-In(2)
183	1101.29	110.58	End Shut-In(2)
183	1801.86	111.08	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
68.00	WCM 10%w 90%m with Slight Skim of	0.33
60.00	WCM 23%w 77%m	0.36

## Gas Rates

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



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## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

6700 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3400.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
68.00	WCM 10%w 90%m with Slight Skim of Oil	0.334
60.00	WCM 23%w 77%m	0.359

Total Length: 128.00 ft      Total Volume: 0.693 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW is .834 @ 74f = 6700

# Pressure vs. Time

