



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Grand Mesa Operating Co.

14-16s-33w Scott Co. KS

1700 N. Waterfront PKWY
BLDG 600
Wichita KS. 67206
ATTN: Bob Skahiber

Schowalter #1-14

Job Ticket: 45137

DST#: 2

Test Start: 2012.03.06 @ 00:58:00

GENERAL INFORMATION:

Formation: **Marmanton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:14:10

Time Test Ended: 07:47:09

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No: 40

Interval: 4380.00 ft (KB) To 4446.00 ft (KB) (TVD)

Reference Elevations: 3018.00 ft (KB)

Total Depth: 4446.00 ft (KB) (TVD)

3013.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8652 Inside

Press @ Run Depth: 34.06 psig @ 4382.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.03.06

End Date:

2012.03.06

Last Calib.:

2012.03.06

Start Time: 00:58:00

End Time:

07:47:09

Time On Btm:

2012.03.06 @ 03:13:10

Time Off Btm:

2012.03.06 @ 05:18:09

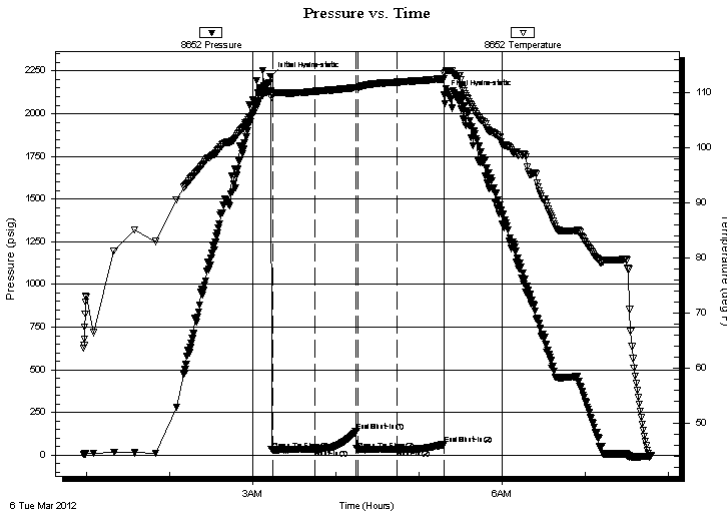
TEST COMMENT: IF- Weak Surface Blow Built to 1/2"

IS- No Blow

FF- Weak Surface Blow

FS- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2216.13	110.26	Initial Hydro-static
1	31.31	109.85	Open To Flow (1)
32	35.92	110.19	Shut-In(1)
62	141.32	110.84	End Shut-In(1)
63	31.62	110.81	Open To Flow (2)
91	34.06	111.84	Shut-In(2)
125	62.96	112.45	End Shut-In(2)
125	2109.04	113.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	OCM 7%oil 93%m	0.05
1.00	100%oil	0.00

Gas Rates

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

* Recovery from multiple tests



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FLUID SUMMARY

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Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 56.00 sec/qt
Water Loss: 7.97 in³
Resistivity: ohm.m
Salinity: 4300.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	OCM 7%oil 93%m	0.049
1.00	100%oil	0.005

Total Length: 11.00 ft Total Volume: 0.054 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

