



**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: 45136

DST#: 1

Test Start: 2012.03.04 @ 16:27:00

GENERAL INFORMATION:

Formation: **Lansing "K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:30:10

Time Test Ended: 00:00:24

Test Type: Conventional Bottom Hole (Initial)

Tester: Will MacLean

Unit No: 40

Interval: 4241.00 ft (KB) To 4281.00 ft (KB) (TVD)

Reference Elevations: 3018.00 ft (KB)

Total Depth: 4281.00 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: 196.40 psig @ 4242.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.03.04

End Date:

2012.03.05

Last Calib.: 2012.03.05

Start Time: 16:27:00

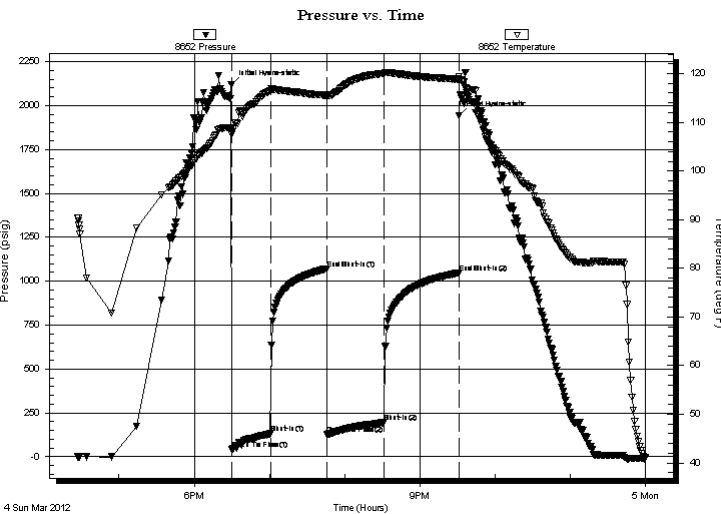
End Time:

00:00:24

Time On Btm: 2012.03.04 @ 18:29:55

Time Off Btm: 2012.03.04 @ 21:31:39

TEST COMMENT: IF- Surface Blow Built to BOB in 19min
IS- No Blow
FF- Surface Blow Built to BOB in 36min
FS- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2120.35	108.64	Initial Hydro-static
1	45.04	107.42	Open To Flow (1)
31	131.85	116.55	Shut-In(1)
76	1071.46	115.56	End Shut-In(1)
77	129.74	115.15	Open To Flow (2)
122	196.40	120.07	Shut-In(2)
182	1047.75	118.82	End Shut-In(2)
182	1944.41	119.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
183.00	MCW 8% m 92% w	1.49
126.00	MCW 30% m 70% w	1.77
83.00	WCM 10% w 90% m	1.16

Gas Rates

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



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FLUID SUMMARY

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DST#: 1

Test Start: 2012.03.04 @ 16:27:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 61.00 sec/qt

Water Loss: 7.20 in³

Resistivity: ohm.m

Salinity: 3800.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
183.00	MCW 8%m 92%w	1.492
126.00	MCW 30%m 70%w	1.767
83.00	WCM 10%w 90%m	1.164

Total Length: 392.00 ft Total Volume: 4.423 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

