



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Grand Mesa Operating Co
1700 N Waterfront Pkwy
Bldg 600
Wichita, Ks 67206
ATTN: Steve Carl

27 16s 37w Scott, Ks

#1-27 Riner

Job Ticket: 35363

DST#: 6

Test Start: 2011.11.23 @ 01:42:00

GENERAL INFORMATION:

Formation: **St Louis**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:06:15

Time Test Ended: 09:03:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 40

Interval: 4722.00 ft (KB) To 4750.00 ft (KB) (TVD)

Reference Elevations: 3037.00 ft (KB)

Total Depth: 4110.00 ft (KB) (TVD)

3032.00 ft (CF)

Hole Diameter: 6.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8652 Inside

Press @ Run Depth: 28.50 psig @ 4723.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.11.23

End Date:

2011.11.23

Last Calib.:

2011.11.23

Start Time: 01:42:05

End Time:

09:03:14

Time On Btm:

2011.11.23 @ 04:06:00

Time Off Btm:

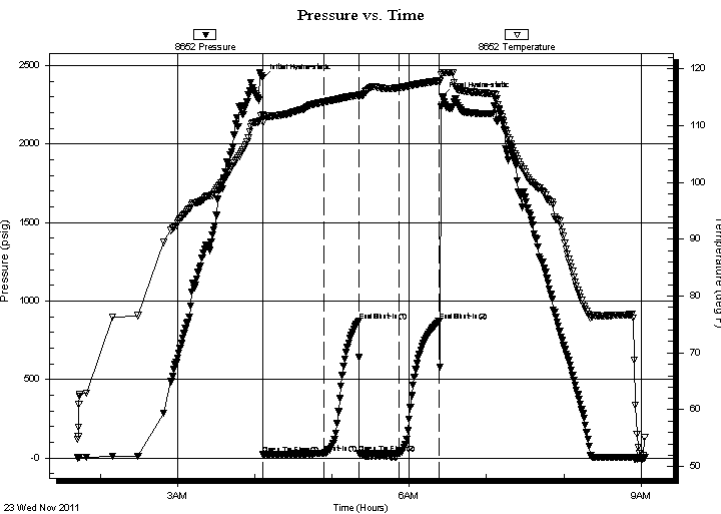
2011.11.23 @ 06:25:30

TEST COMMENT: IF: 1/2 inch blow, died @ 40 minutes.

IS: No return.

FF: No blow.

FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2420.31	112.00	Initial Hydro-static
1	24.85	110.64	Open To Flow (1)
48	31.42	114.20	Shut-In(1)
75	874.57	115.35	End Shut-In(1)
75	29.47	115.11	Open To Flow (2)
106	28.50	116.67	Shut-In(2)
137	871.43	117.89	End Shut-In(2)
140	2300.17	119.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	mud 100m (oil spots)	0.07

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

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	mud 100m (oil spots)	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8652

Inside

Grand Mesa Operating Co

#1-27 Riner

DST Test Number: 6

