



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: 35362

DST#: 5

Test Start: 2011.11.22 @ 07:41:00

GENERAL INFORMATION:

Formation: **Johnson-Atoka**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:01:30

Time Test Ended: 13:32:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 40

Interval: **4574.00 ft (KB) To 4660.00 ft (KB) (TVD)**

Reference Elevations: 3037.00 ft (KB)

Total Depth: 4660.00 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: 33.27 psig @ 4575.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.11.22

End Date:

2011.11.22

Last Calib.:

2011.11.22

Start Time: 07:41:05

End Time:

13:32:29

Time On Btm:

2011.11.22 @ 10:01:00

Time Off Btm:

2011.11.22 @ 11:28:00

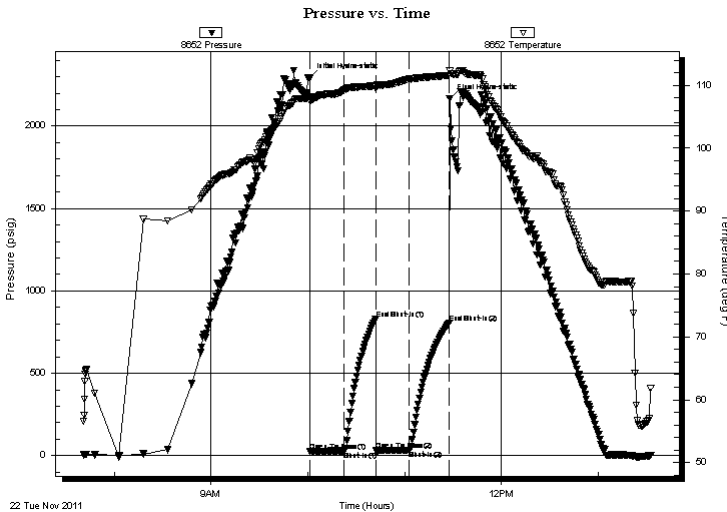
TEST COMMENT: IF: Surface blow, died @ 12 minutes.

IS: No return.

FF: No blow.

FS: No return.

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2291.64 | 108.12 | Initial Hydro-static |
| 1 | 25.66 | 107.49 | Open To Flow (1) |
| 22 | 29.04 | 109.22 | Shut-In(1) |
| 41 | 827.72 | 109.94 | End Shut-In(1) |
| 42 | 30.50 | 109.50 | Open To Flow (2) |
| 62 | 33.27 | 110.98 | Shut-In(2) |
| 87 | 803.28 | 111.60 | End Shut-In(2) |
| 87 | 2168.47 | 112.25 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|----------------------|--------------|
| 5.00 | mud 100m (oil spots) | 0.02 |
| | | |
| | | |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

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



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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 |
|--------------|----------------------|---------------|
| 5.00 | mud 100m (oil spots) | 0.025 |

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

