



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Grand Mesa Operating Co.  
 1700 N Waterfront Pkwy  
 Bldg 600  
 Wichita, Ks 67206  
 ATTN: John Glodsmith

**25 12s 32w Logan, Ks**

**#1-25 A-K**

Job Ticket: 44410

**DST#: 1**

Test Start: 2012.01.18 @ 19:58:00

## GENERAL INFORMATION:

Formation: **LKC - A**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 21:56:45  
 Time Test Ended: 03:39:00  
 Interval: **4030.00 ft (KB) To 4060.00 ft (KB) (TVD)**  
 Total Depth: 4060.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Bradley Walter  
 Unit No: 40  
 Reference Elevations: 3021.00 ft (KB)  
 3016.00 ft (CF)  
 KB to GR/CF: 5.00 ft

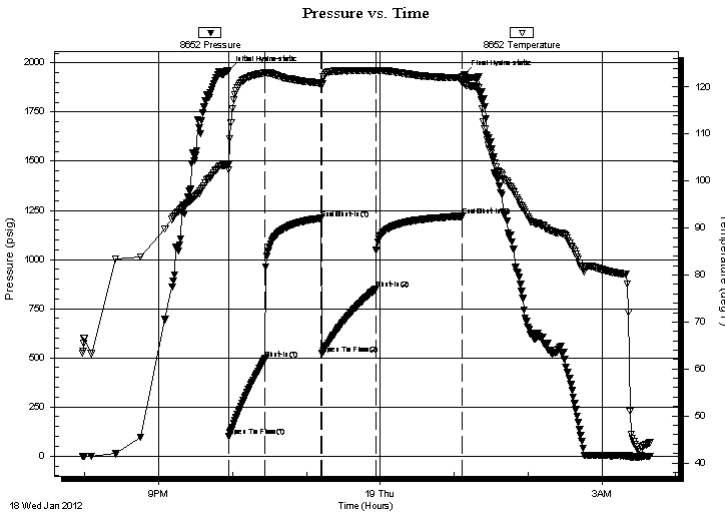
## Serial #: 8652

Inside

Press @ Run Depth: 850.33 psig @ 4031.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2012.01.18 End Date: 2012.01.19 Last Calib.: 2012.01.19  
 Start Time: 19:58:05 End Time: 03:38:59 Time On Btm: 2012.01.18 @ 21:56:30  
 Time Off Btm: 2012.01.19 @ 01:08:15

TEST COMMENT: IF: BOB @ 4 minutes.  
 IS: No return.  
 FF: BOB @ 5 minutes.  
 FS: No return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1961.43	103.56	Initial Hydro-static
1	98.16	102.42	Open To Flow (1)
30	495.26	122.95	Shut-In(1)
76	1208.83	120.83	End Shut-In(1)
76	520.26	120.51	Open To Flow (2)
120	850.33	123.51	Shut-In(2)
190	1220.30	121.95	End Shut-In(2)
192	1939.93	120.88	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1610.00	smcw 3m 97w	15.42
170.00	mcw 15m 85w (oil scum)	1.69

## 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:

57000 ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
1610.00	smcw 3m 97w	15.417
170.00	mcw 15m 85w (oil scum)	1.691

Total Length: 1780.00 ft      Total Volume: 17.108 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .190 @ 50F = 57,000ppm

# Pressure vs. Time

