



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Grand Mesa  
1700 N Waterfront PKWY  
BLDG 600 Wichita KS  
67202-5514  
ATTN: John Goldsmith

**16-16s-33w**  
**DBY 3-16**  
Job Ticket: 44344      **DST#: 5**  
Test Start: 2011.11.06 @ 02:00:00

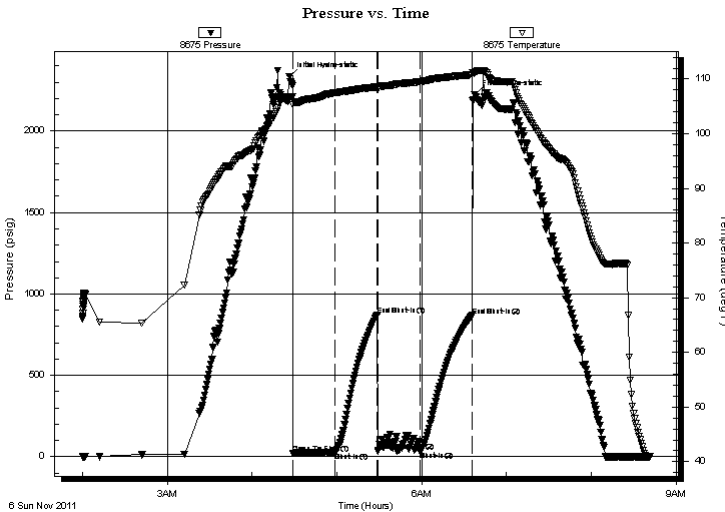
## GENERAL INFORMATION:

Formation: **Johnson/Atoka**  
Deviated: No    Whipstock:                      ft (KB)  
Time Tool Opened: 04:28:45  
Time Test Ended: 08:41:45  
Interval: **4554.00 ft (KB) To 4674.00 ft (KB) (TVD)**  
Total Depth: 4674.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches    Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Jace McKinney  
Unit No: 46  
Reference Elevations: 3046.00 ft (KB)  
3041.00 ft (CF)  
KB to GR/CF: 5.00 ft

**Serial #: 8675      Inside**  
Press @ Run Depth: 34.28 psig @ 4555.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2011.11.06      End Date: 2011.11.06      Last Calib.: 2011.11.06  
Start Time: 02:00:01      End Time: 08:41:45      Time On Btm: 2011.11.06 @ 04:26:15  
Time Off Btm: 2011.11.06 @ 06:37:45

**TEST COMMENT:** Built to 1" blow  
No return blow  
No blow  
No return blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2333.08	106.79	Initial Hydro-static
3	23.16	105.29	Open To Flow (1)
33	27.79	107.48	Shut-In(1)
63	872.57	108.58	End Shut-In(1)
63	32.48	108.16	Open To Flow (2)
93	34.28	109.49	Shut-In(2)
130	867.07	110.79	End Shut-In(2)
132	2223.61	111.27	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% Mud	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:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 59.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.19 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 7700.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	100% Mud	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:

# Pressure vs. Time

