



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Grand Mesa Operating Company

30-16s-32w

1700 N Waterfront PKWY
BLDG 600 Wichita, KS 67206-5514

Wel-Zan 1-30

Job Ticket: 45439

DST#: 6

ATTN: John Goldsmith

Test Start: 2011.12.10 @ 11:00:00

GENERAL INFORMATION:

Formation: **Atoka**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:37:30

Time Test Ended: 18:12:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney

Unit No: 46

Interval: 4565.00 ft (KB) To 4609.00 ft (KB) (TVD)

Reference Elevations: 2952.00 ft (KB)

Total Depth: 4609.00 ft (KB) (TVD)

2947.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8675

Inside

Press @ Run Depth: 19.61 psig @ 4566.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.12.10

End Date:

2011.12.10

Last Calib.:

2011.12.10

Start Time: 11:00:01

End Time:

18:12:30

Time On Btm:

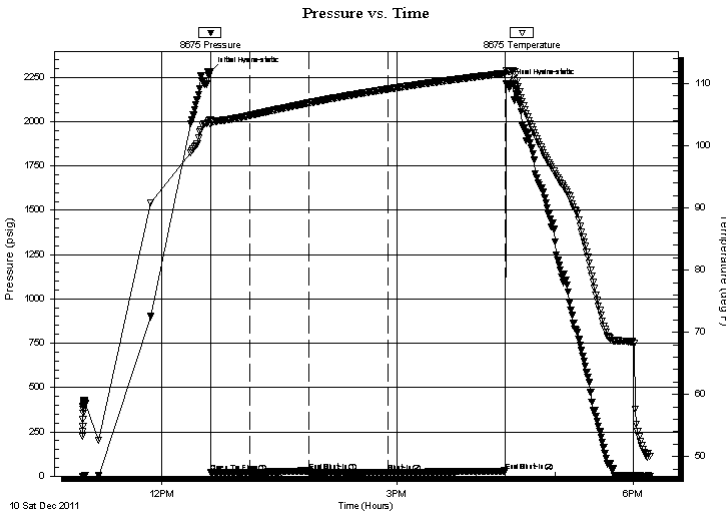
2011.12.10 @ 12:37:15

Time Off Btm:

2011.12.10 @ 16:23:15

TEST COMMENT: Built to 1" blow
Weak surface return blow
Built to 1/4" blow
No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2279.98	104.09	Initial Hydro-static
1	19.08	103.43	Open To Flow (1)
30	19.74	104.88	Shut-In(1)
75	29.76	106.88	End Shut-In(1)
76	19.55	106.89	Open To Flow (2)
136	19.61	109.13	Shut-In(2)
225	28.79	111.66	End Shut-In(2)
226	2214.32	112.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	100% Mud with oil spots	0.00

* 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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	100% Mud with oil spots	0.005

Total Length: 1.00 ft Total Volume: 0.005 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

