



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Grand Mesa Operating Company

G Anderson 3-26

1700 N. Waterfront Pkwy Bldg 600
Wichita, Ks 67206

26-12-32 Logan, Ks

ATTN: Bob Peterson

Job Ticket: 040267

DST#: 1

Test Start: 2010.11.03 @ 09:05:59

GENERAL INFORMATION:

Formation: **LKC E**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:00:54

Time Test Ended: 16:26:23

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

Interval: 4083.00 ft (KB) To 4108.00 ft (KB) (TVD)

Reference Elevations: 2997.00 ft (KB)

Total Depth: 4108.00 ft (KB) (TVD)

2992.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8373

Inside

Press @ Run Depth: 262.53 psig @ 4084.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.11.03

End Date:

2010.11.03

Last Calib.:

2010.11.03

Start Time:

09:05:59

End Time:

16:26:23

Time On Btm:

2010.11.03 @ 10:59:54

Time Off Btm:

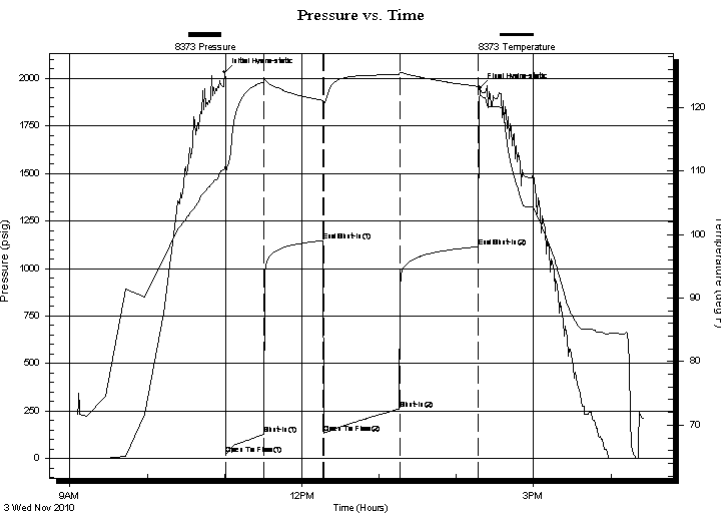
2010.11.03 @ 14:18:38

TEST COMMENT: IF: 1/4 blow BOB in 17 min.

IS: No return.

FF: Surface blow BOB in 24 min.

FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2031.07	110.27	Initial Hydro-static
1	20.74	109.72	Open To Flow (1)
31	128.83	124.00	Shut-In(1)
77	1145.89	121.13	End Shut-In(1)
78	135.00	120.67	Open To Flow (2)
136	262.53	125.21	Shut-In(2)
197	1114.33	123.32	End Shut-In(2)
199	1949.73	122.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
248.00	water 100%w	2.39
220.00	mcw 90%w 10%m	3.09
2.00	free oil 100%o	0.03

Gas Rates

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



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FLUID SUMMARY

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Test Start: 2010.11.03 @ 09:05:59

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:

66000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.40 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
248.00	water 100%w	2.386
220.00	mcw 90%w 10%m	3.086
2.00	free oil 100%o	0.028

Total Length: 470.00 ft Total Volume: 5.500 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .11@71=66000

