



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Grand Mesa Operating Company

G Anderson 3-26

1700 N. Waterfront Pkw y Bldg 600
Wichita, Ks 67206

26-12-32 Logan, Ks

ATTN: Bob Peterson

Job Ticket: 040270

DST#: 4

Test Start: 2010.11.05 @ 13:24:48

GENERAL INFORMATION:

Formation: **LKC- K**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:04:28

Time Test Ended: 19:47:57

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

Interval: 4247.00 ft (KB) To 4272.00 ft (KB) (TVD)

Reference Elevations: 2997.00 ft (KB)

Total Depth: 4272.00 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: 42.19 psig @ 4248.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.11.05

End Date:

2010.11.05

Last Calib.:

2010.11.05

Start Time:

13:24:48

End Time:

19:47:57

Time On Btm:

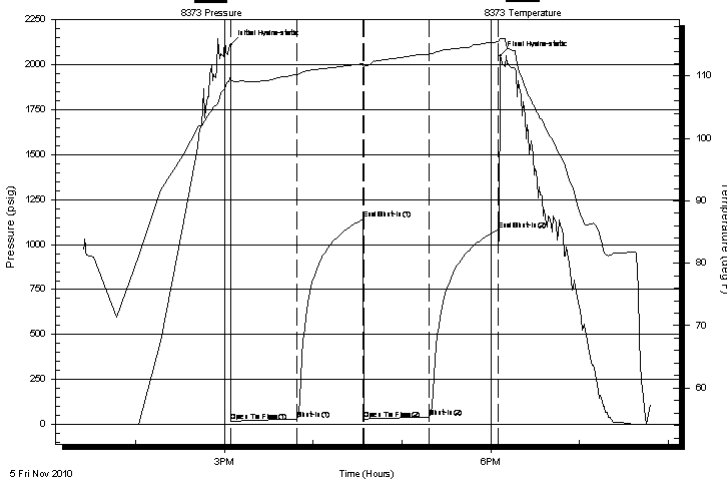
2010.11.05 @ 15:04:13

Time Off Btm:

2010.11.05 @ 18:06:27

TEST COMMENT: IF: 1/4 blow built to 1 1/4 in 45 min.
IS: No return.
FF: Surface blow built to 1/4 in 45 min.
FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2109.55	109.94	Initial Hydro-static
1	16.81	109.29	Open To Flow (1)
45	29.77	110.24	Shut-In(1)
90	1140.52	111.98	End Shut-In(1)
90	31.55	111.40	Open To Flow (2)
135	42.19	113.49	Shut-In(2)
181	1083.10	115.48	End Shut-In(2)
183	2047.11	115.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	mud 100%m	0.30

Gas Rates

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



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FLUID SUMMARY

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DST#: 4

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Test Start: 2010.11.05 @ 13:24:48

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: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	mud 100%m	0.295

Total Length: 60.00 ft Total Volume: 0.295 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

