



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Grand Mesa Operating Company

Hess 1-4

1700 N Waterfront Pkwy BLDG 600 Wichita, KS
67206

4/14/31

ATTN: Mac Armstrong

Job Ticket: 40241

DST#: 1

Test Start: 2010.09.14 @ 15:33:38

GENERAL INFORMATION:

Formation: **Lansing E&F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:36:48

Time Test Ended: 21:13:32

Test Type: Conventional Bottom Hole

Tester: Chris Hagman

Unit No: 35

Interval: 4030.00 ft (KB) To 4064.00 ft (KB) (TVD)

Reference Elevations: 2917.00 ft (KB)

Total Depth: 4064.00 ft (KB) (TVD)

2912.00 ft (CF)

Hole Diameter: 7.78 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8289 Outside

Press @ Run Depth: 30.34 psig @ 4032.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.09.14

End Date:

2010.09.14

Last Calib.:

2010.09.14

Start Time:

15:33:38

End Time:

21:13:32

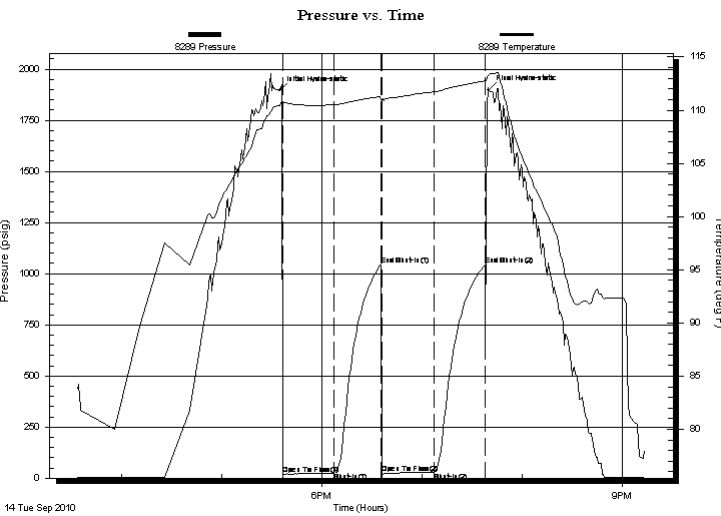
Time On Btm:

2010.09.14 @ 17:34:48

Time Off Btm:

2010.09.14 @ 19:40:03

TEST COMMENT: IF: Weak surface blow, died 1 min.
IS: No blow back
FF: Weak surface blow died 10 sec., flushed, surface blow died 1 min.
FS: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1896.41	110.39	Initial Hydro-static
2	19.59	110.59	Open To Flow (1)
33	26.20	110.51	Shut-In(1)
61	1043.72	111.28	End Shut-In(1)
61	24.16	110.92	Open To Flow (2)
93	30.34	111.73	Shut-In(2)
123	1042.38	112.75	End Shut-In(2)
126	1898.37	113.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	100%M	0.05

Gas Rates

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



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FLUID SUMMARY

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67206

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ATTN: Mac Armstrong

Test Start: 2010.09.14 @ 15:33:38

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:

5000 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	100%M	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW=.95@87F=5000ppm

Sampler=2000ml mud @ 300psi

Pressure vs. Time

