



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Grand Mesa Operating Company

Hess-Christy 1-34

1700 N Waterfront PKWY
BLDG 600 Wichita KS
67206-5514
ATTN: Bob Schreiber

34-13-32

Job Ticket: 042132

DST#: 1

Test Start: 2011.09.10 @ 23:36:00

GENERAL INFORMATION:

Formation: **Lansing "C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:29:15

Time Test Ended: 06:55:00

Test Type: Conventional Bottom Hole

Tester: Jace McKinney

Unit No: 28

Interval: 3976.00 ft (KB) To 3996.00 ft (KB) (TVD)

Reference Elevations: 2929.00 ft (KB)

Total Depth: 3996.00 ft (KB) (TVD)

2924.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8675 Inside

Press @ Run Depth: 145.28 psig @ 3977.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.09.10

End Date:

2011.09.11

Last Calib.: 2011.09.11

Start Time: 23:36:01

End Time:

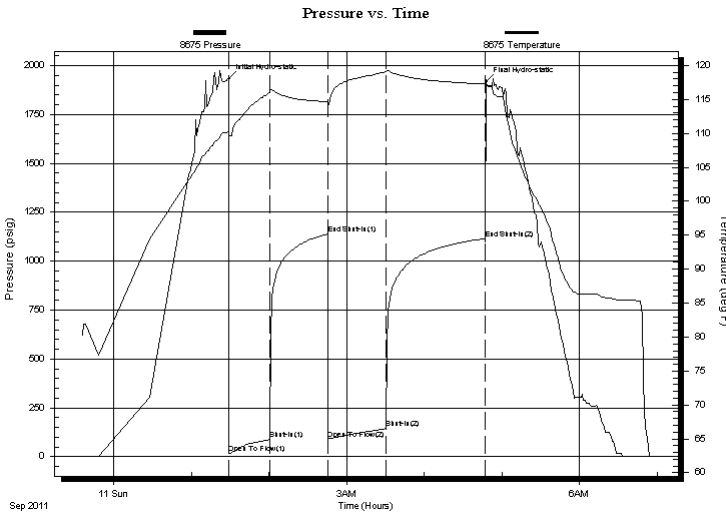
06:55:00

Time On Btm: 2011.09.11 @ 01:29:00

Time Off Btm: 2011.09.11 @ 04:48:00

TEST COMMENT: Built to 8 1/2" blow
No return blow
B.O.B. in 43 min.
No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1932.31	110.35	Initial Hydro-static
1	15.34	109.44	Open To Flow (1)
32	87.57	116.08	Shut-In(1)
77	1137.61	114.67	End Shut-In(1)
77	91.00	113.97	Open To Flow (2)
122	145.28	119.07	Shut-In(2)
198	1115.72	117.28	End Shut-In(2)
199	1918.76	117.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
117.00	w 100%W	0.58
168.00	mcw 20%M 80%W	2.36

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

Mud Weight: 9.00 lb/gal

Viscosity: 59.00 sec/qt

Water Loss: 7.99 in³

Resistivity: 0.00 ohm.m

Salinity: 2200.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: 60000 ppm

deg API

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
117.00	w 100%W	0.575
168.00	mcw 20%M 80%W	2.357

Total Length: 285.00 ft Total Volume: 2.932 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .16 @ 54 F = 60,000

Pressure vs. Time

