



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Grand Mesa
1700 N Waterfront PKWY
BLDG 600 Wichita KS
67202-5514
ATTN: John Goldsmith

16-16s-33w

DBY 3-16

Job Ticket: 44341

DST#: 2

Test Start: 2011.11.02 @ 10:30:00

GENERAL INFORMATION:

Formation: **Pleasanton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:51:00

Time Test Ended: 17:40:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jace McKinney

Unit No: 46

Interval: **4336.00 ft (KB) To 4354.00 ft (KB) (TVD)**

Total Depth: 4354.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3046.00 ft (KB)

3041.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8675

Inside

Press @ Run Depth: 74.08 psig @ 4337.00 ft (KB)

Start Date: 2011.11.02

End Date: 2011.11.02

Start Time: 10:30:01

End Time: 17:40:00

Capacity: 8000.00 psig

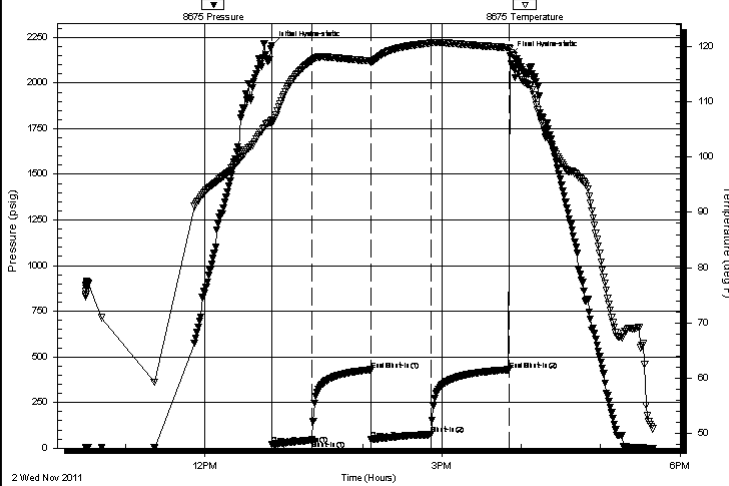
Last Calib.: 2011.11.02

Time On Btm: 2011.11.02 @ 12:50:45

Time Off Btm: 2011.11.02 @ 15:51:15

TEST COMMENT: Built to 2 1/2" blow
No return blow
Built to 1 1/2" blow
No return blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2203.87	106.65	Initial Hydro-static
1	20.03	105.99	Open To Flow (1)
31	43.69	117.38	Shut-In(1)
76	427.76	117.35	End Shut-In(1)
76	48.98	117.15	Open To Flow (2)
121	74.08	120.59	Shut-In(2)
180	429.23	119.77	End Shut-In(2)
181	2151.09	119.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
117.00	100% W w ith little oil scum	0.58

Gas Rates

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

* Recovery from multiple tests



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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:	40000 ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 6000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
117.00	100% W w ithlittle oil scum	0.575

Total Length: 117.00 ft Total Volume: 0.575 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: RW: .35 @ 40 F = 40,000

