



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Grand Mesa Operating Co.
 1700 N Waterfront Pkwy
 Bldg 600
 Wichita, Ks 67206
 ATTN: John Glodsmith

25 12s 32w Logan, Ks

#1-25 A-K

Job Ticket: 44411

DST#: 2

Test Start: 2012.01.19 @ 13:48:00

GENERAL INFORMATION:

Formation: **LKC - E**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 15:44:00
 Time Test Ended: 19:35:00
 Interval: **4102.00 ft (KB) To 4125.00 ft (KB) (TVD)**
 Total Depth: 4125.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Bradley Walter
 Unit No: 40
 Reference Elevations: 3021.00 ft (KB)
 3016.00 ft (CF)
 KB to GR/CF: 5.00 ft

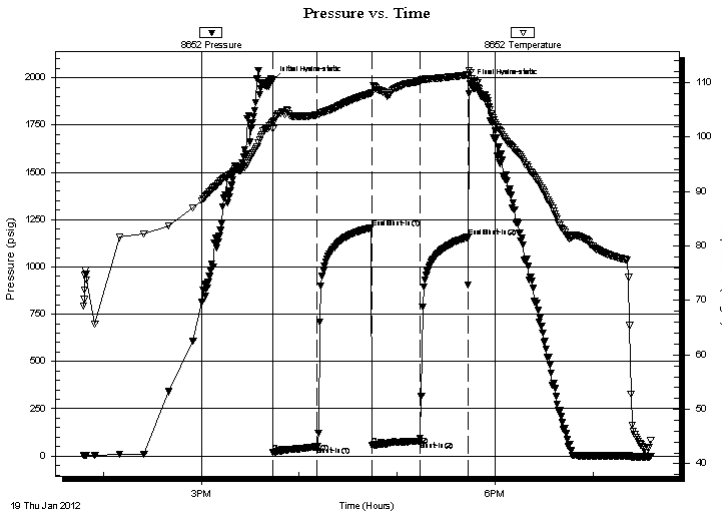
Serial #: 8652

Inside

Press @ Run Depth: 79.32 psig @ 4103.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.01.19 End Date: 2012.01.19 Last Calib.: 2012.01.19
 Start Time: 13:48:05 End Time: 19:34:59 Time On Btm: 2012.01.19 @ 15:43:45
 Time Off Btm: 2012.01.19 @ 17:44:45

TEST COMMENT: IF: 1" blow.
 IS: No return.
 FF: 1/2" blow.
 FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1987.39	102.83	Initial Hydro-static
1	18.88	101.62	Open To Flow (1)
28	51.17	104.11	Shut-In(1)
61	1207.11	108.09	End Shut-In(1)
61	58.46	108.18	Open To Flow (2)
90	79.32	110.32	Shut-In(2)
120	1156.91	111.42	End Shut-In(2)
121	1970.19	111.85	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
130.00	mcw 50m 50w (oil spots)	0.69

* Recovery from multiple tests

Gas Rates

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



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FLUID SUMMARY

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25 12s 32w Logan, Ks
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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: 49000 ppm
Viscosity: 59.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.78 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 3200.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
130.00	mcw 50m 50w (oil spots)	0.695

Total Length: 130.00 ft Total Volume: 0.695 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: rw is .210 @ 53 F = 49000ppm

Pressure vs. Time

