



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Mull Drilling Company
 1700 N Waterfront Pkw y
 Wichita, KS 67206
 ATTN: Larry Friend

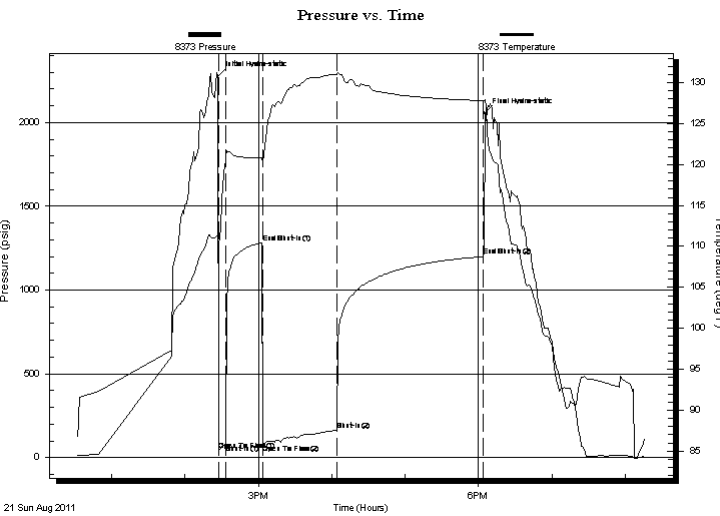
Bernbeck 1-20
20-15-23 Trego
 Job Ticket: 43878 **DST#: 4**
 Test Start: 2011.08.21 @ 12:32:05

GENERAL INFORMATION:

Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:27:30
 Time Test Ended: 20:15:59
 Interval: **4363.00 ft (KB) To 4378.00 ft (KB) (TVD)**
 Total Depth: 4378.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole
 Tester: Will MacLean
 Unit No: 35
 Reference Elevations: 2384.00 ft (KB)
 2379.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8373 Inside
 Press @ Run Depth: 163.47 psig @ 4364.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.08.21 End Date: 2011.08.21 Last Calib.: 2011.08.21
 Start Time: 12:32:05 End Time: 20:15:59 Time On Btm: 2011.08.21 @ 14:27:15
 Time Off Btm: 2011.08.21 @ 18:05:14

TEST COMMENT: IF- Surface Blow Built to 2"
 IS- No Blow
 FF- Surface Blow Built to 7 1/2"
 FS- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2277.96	111.17	Initial Hydro-static
1	43.32	109.96	Open To Flow (1)
6	80.21	120.99	Shut-In(1)
36	1283.10	120.82	End Shut-In(1)
37	78.97	120.33	Open To Flow (2)
97	163.47	131.04	Shut-In(2)
217	1201.28	127.79	End Shut-In(2)
218	2057.14	127.89	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
135.00	MCW 40% m 60% w	0.76
123.00	MCW 10% m 90% w	1.73
62.00	MCW 15% m 85% w	0.87

Gas Rates

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



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FLUID SUMMARY

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Job Ticket: 43878

DST#: 4

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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:

12800 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.77 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2900.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
135.00	MCW 40%m 60%w	0.764
123.00	MCW 10%m 90%w	1.725
62.00	MCW 15%m 85%w	0.870

Total Length: 320.00 ft Total Volume: 3.359 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW is .428@82f =12800

Pressure vs. Time

