



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Mull Drilling
1700 N. Waterfront PKWY
B #1200
Wichita, KS 67206
ATTN: Phil Askey

WF- Michel A #1-30
S30-18-45 Kiowa, CO
Job Ticket: 43169 **DST#: 3**
Test Start: 2011.07.16 @ 09:24:15

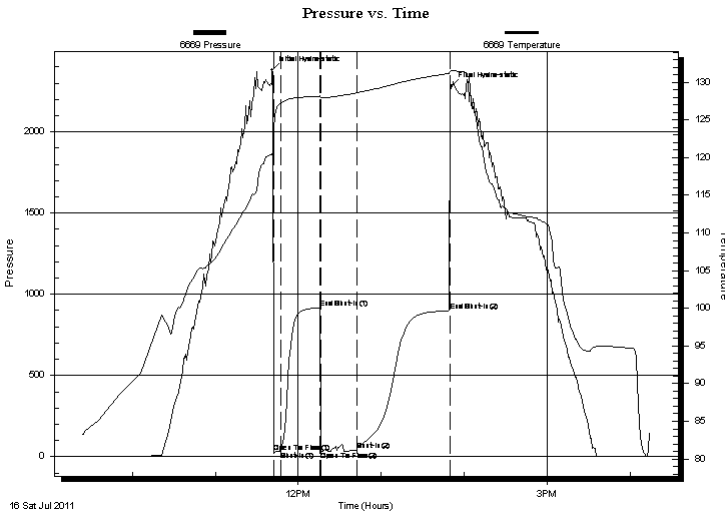
GENERAL INFORMATION:

Formation: **Miss**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:42:00
Time Test Ended: 16:13:45
Interval: 4817.00 ft (KB) To 4827.00 ft (KB) (TVD)
Total Depth: 4827.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole
Tester: Mike Roberts
Unit No: 48
Reference Elevations: 3976.00 ft (KB)
3965.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6669 Outside
Press @ RunDepth: 38.88 psig @ 4822.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.07.16 End Date: 2011.07.16 Last Calib.: 2011.07.16
Start Time: 09:24:15 End Time: 16:13:45 Time On Btm: 2011.07.16 @ 11:41:00
Time Off Btm: 2011.07.16 @ 13:50:30

TEST COMMENT: IF: Built to 3/4" blow
IS: No return blow
FF: No blow
FS: No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2378.41	120.41	Initial Hydro-static
1	26.62	121.95	Open To Flow (1)
6	30.62	127.16	Shut-In(1)
35	916.61	128.16	End Shut-In(1)
35	33.89	127.96	Open To Flow (2)
62	38.88	128.59	Shut-In(2)
129	899.86	131.20	End Shut-In(2)
130	2281.23	131.50	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	mud w ith oil spots 100%m	0.10

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	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.15 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2850.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	mud w ith oil spots 100%m	0.098

Total Length: 20.00 ft Total Volume: 0.098 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Pressure vs. Time

