



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Woolsey Operating Co
 125 N Market Ste 1000
 Wichita, KS 67202
 ATTN: Bill Klaver

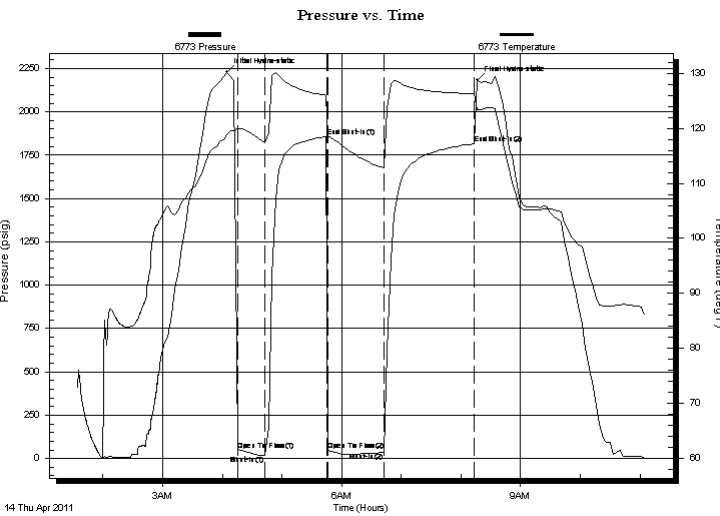
Michel BGU #2
17-34S-11W Barber
 Job Ticket: 041642 **DST#: 1**
 Test Start: 2011.04.14 @ 01:34:29

GENERAL INFORMATION:

Formation: **Pawnee**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:15:14
 Time Test Ended: 11:06:59
 Interval: **4526.00 ft (KB) To 4556.00 ft (KB) (TVD)**
 Total Depth: 4556.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole
 Tester: Chris Staats
 Unit No: 34
 Reference Elevations: 1419.00 ft (KB)
 1409.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 6773 Inside
 Press @ Run Depth: 36.90 psig @ 4527.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.04.14 End Date: 2011.04.14 Last Calib.: 2011.04.14
 Start Time: 01:34:34 End Time: 11:06:59 Time On Btm: 2011.04.14 @ 04:04:44
 Time Off Btm: 2011.04.14 @ 08:16:44

TEST COMMENT: IF: Strong Blow, BOB in 1 minute, GTS in 15 minutes, Gauged Gas
 IS: Bled Off, No Blow back
 FF: Strong Blow, BOB & GTS in 30 seconds
 FS: Bled Off, No Blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2227.55	118.90	Initial Hydro-static
11	50.80	119.95	Open To Flow (1)
39	18.56	117.32	Shut-In(1)
100	1855.39	126.04	End Shut-In(1)
102	47.45	118.63	Open To Flow (2)
158	36.90	112.82	Shut-In(2)
249	1815.84	126.30	End Shut-In(2)
252	2180.99	123.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	4504 Feet GIP	0.00
20.00	SGCM 2%G 98%M	0.10

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	3.00	27.76
Last Gas Rate	0.25	25.00	62.66
Max. Gas Rate	0.25	25.00	62.66



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FLUID SUMMARY

Woolsey Operating Co

Michel BGU #2

125 N Market Ste 1000
Wichita, KS 67202

17-34S-11W Barber

Job Ticket: 041642

DST#: 1

ATTN: Bill Klaver

Test Start: 2011.04.14 @ 01:34:29

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:

ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	4504 Feet GIP	0.000
20.00	SGCM 2%G 98%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:



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GAS RATES

Woolsey Operating Co

Michel BGU #2

125 N Market Ste 1000
Wichita, KS 67202

17-34S-11W Barber

Job Ticket: 041642

DST#: 1

ATTN: Bill Klaver

Test Start: 2011.04.14 @ 01:34:29

Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
1	5	0.25	3.00	27.76
1	10	0.25	7.00	34.11
1	15	0.25	8.00	35.69
2	5	0.25	8.00	35.69
2	15	0.25	12.00	42.04
2	30	0.25	15.00	46.80
2	45	0.25	17.00	49.97
2	60	0.25	25.00	62.66

Pressure vs. Time

