



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Woolsey Operating Co.LLC

WileyTrust A GU#3

125 N. Market, Ste.1000
Wichita Ks.67202

8-34s-11w Barber Ks.

ATTN: Bill Klaver

Job Ticket: 37462

DST#: 1

Test Start: 2011.04.27 @ 03:03:59

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:50:44

Time Test Ended: 13:40:29

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 56

Interval: 4518.00 ft (KB) To 4634.00 ft (KB) (TVD)

Reference Elevations: 1402.00 ft (KB)

Total Depth: 4634.00 ft (KB) (TVD)

1391.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8167 Inside

Press @ RunDepth: 103.63 psig @ 4519.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.04.27

End Date: 2011.04.27

Last Calib.: 2011.04.27

Start Time: 03:04:04

End Time: 13:40:29

Time On Btm: 2011.04.27 @ 05:47:29

Time Off Btm: 2011.04.27 @ 10:34:14

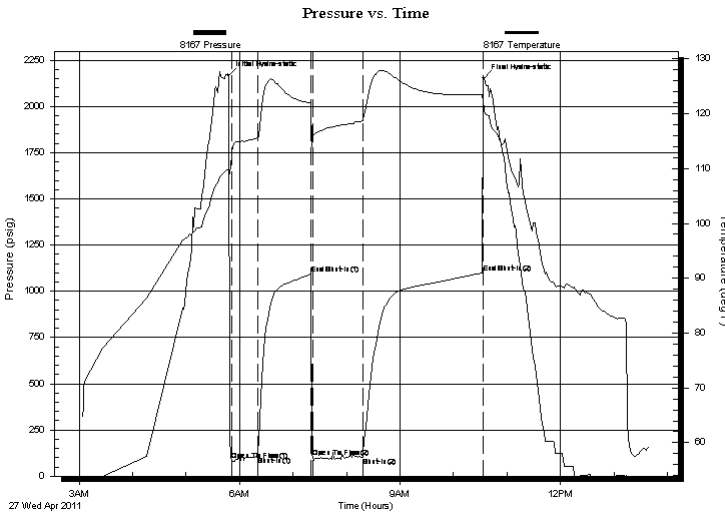
TEST COMMENT: IF: Strong blow . B.O.B. in 50 secs. GTS in 11 mins. (see gas flow report)

IS: No blow .

FF: Strong blow . (see gas flow report)

FS: No blow .

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2167.33	109.89	Initial Hydro-static
4	85.84	112.44	Open To Flow (1)
33	105.08	115.57	Shut-In(1)
93	1092.72	121.98	End Shut-In(1)
96	102.41	115.83	Open To Flow (2)
151	103.63	118.78	Shut-In(2)
286	1099.24	123.53	End Shut-In(2)
287	2152.78	120.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	SOC, GM 4%o 24%g 72%m	0.89
195.00	SGCM 4%g 96%m	0.96

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.38	5.00	71.07
Last Gas Rate	0.38	3.50	65.57
Max. Gas Rate	0.38	12.00	96.71



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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:

4000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.19 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
180.00	SOC,GM 4%o 24%g 72%m	0.885
195.00	SGCM 4%g 96%m	0.959

Total Length: 375.00 ft

Total Volume: 1.844 bbl

Num Fluid Samples: 0

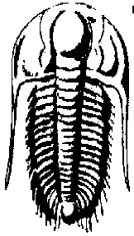
Num Gas Bombs: 1

Serial #: gp-1

Laboratory Name: Caraway

Laboratory Location:

Recovery Comments:



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GAS RATES

Woolsey Operating Co.LLC

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Job Ticket: 37462

DST#: 1

Test Start: 2011.04.27 @ 03:03:59

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	20	0.38	5.00	71.07
1	20	0.38	5.00	71.07
1	30	0.38	6.00	74.73
2	10	0.38	12.00	96.71
2	20	0.38	7.00	78.39
2	30	0.38	4.00	67.40
2	40	0.38	4.00	67.40
2	50	0.38	3.50	65.57

Pressure vs. Time

