



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Woolsey Operating Co.

**17-35s-12w Barber Co.**

125 N. Market Suite 1000  
Wichita, Ks. 67202

**Mikita #1**

Job Ticket: 51928

**DST#: 1**

ATTN: Bill Klaver

Test Start: 2014.01.25 @ 20:34:14

## GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 00:42:59

Time Test Ended: 07:40:29

Test Type: Conventional Bottom Hole (Initial)

Tester: Gary Pevoteaux

Unit No: 53

**Interval: 4758.00 ft (KB) To 4896.00 ft (KB) (TVD)**

Reference Elevations: 1421.00 ft (KB)

Total Depth: 4896.00 ft (KB) (TVD)

1409.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

**Serial #: 6719 Outside**

Press @ Run Depth: 95.59 psig @ 4759.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.01.25

End Date:

2014.01.26

Last Calib.:

2014.01.26

Start Time: 20:34:19

End Time:

07:40:29

Time On Btm:

2014.01.26 @ 00:41:59

Time Off Btm:

2014.01.26 @ 05:15:44

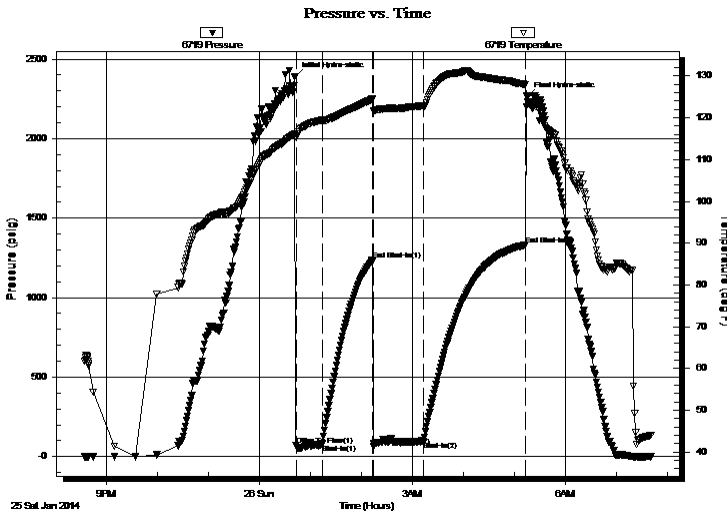
TEST COMMENT: IF: Strong blow . B.O.B. in 2 1/2 mins.

IS: No blow .

FF: Strong blow . B.O.B. in 30 secs. G.T.S. in 13 mins. ( see gas flow report)

FS: No blow .

## PRESSURE SUMMARY



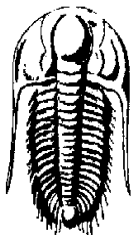
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2389.96	116.07	Initial Hydro-static
1	69.29	115.50	Open To Flow (1)
33	79.86	119.53	Shut-In(1)
91	1234.08	124.45	End Shut-In(1)
93	66.46	121.61	Open To Flow (2)
152	95.59	122.88	Shut-In(2)
271	1331.44	127.97	End Shut-In(2)
274	2263.41	123.85	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	GOCM 4%g 1%o 95%m	0.30
180.00	GCM/w o specs 10%g 90%m	1.43

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	6.00	32.36
Last Gas Rate	0.25	2.50	26.81
Max. Gas Rate	0.25	6.00	32.36



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## DRILL STEM TEST REPORT

Woolsey Operating Co.  
125 N. Market Suite 1000  
Wichita, Ks. 67202  
ATTN: Bill Klaver

**17-35s-12w Barber Co.**

**Mikita #1**

Job Ticket: 51928 **DST#: 1**  
Test Start: 2014.01.25 @ 20:34:14

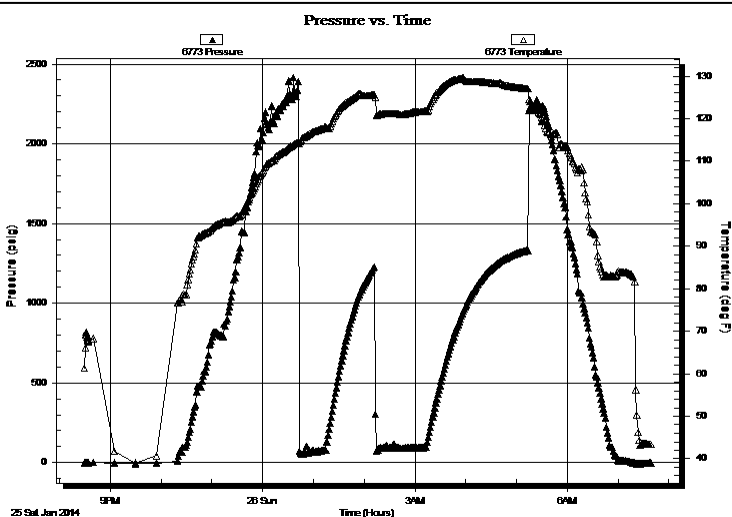
### GENERAL INFORMATION:

Formation: **Miss.**  
Deviated: No Whipstock: 0.00 ft (KB)  
Time Tool Opened: 00:42:59  
Time Test Ended: 07:40:29  
Interval: **4758.00 ft (KB) To 4896.00 ft (KB) (TVD)**  
Total Depth: 4896.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Reference Elevations: 1421.00 ft (KB)  
1409.00 ft (CF)  
KB to GR/CF: 12.00 ft  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Gary Pevoteaux  
Unit No: 53

### Serial #: 6773 Outside

Press @ Run Depth: psig @ 4759.00 ft (KB)  
Start Date: 2014.01.25 End Date: 2014.01.26  
Start Time: 20:29:47 End Time: 07:38:42  
Capacity: 8000.00 psig  
Last Calib.: 2014.01.26  
Time On Btm:  
Time Off Btm:

TEST COMMENT: IF: Strong blow . B.O.B. in 2 1/2 mins.  
IS: No blow .  
FF: Strong blow . B.O.B. in 30 secs. G.T.S. in 13 mins. ( see gas flow report)  
FS: No blow .



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

### Recovery

Length (ft)	Description	Volume (bbl)
60.00	GOCM 4%g 1%o 95%m	0.30
180.00	GCM/w o specs 10%g 90%m	1.43

### Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	6.00	32.36
Last Gas Rate	0.25	2.50	26.81
Max. Gas Rate	0.25	6.00	32.36



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# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Woolsey Operating Co.

**17-35s-12w Barber Co.**

125 N. Market Suite 1000  
Wichita, Ks.67202

**Mikita #1**

Job Ticket: 51928

**DST#: 1**

ATTN: Bill Klaver

Test Start: 2014.01.25 @ 20:34:14

## 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:

5000 ppm

Viscosity: 64.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.20 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	GOCM 4%g 1%o 95%m	0.295
180.00	GCM/w o specs 10%g 90%m	1.432

Total Length: 240.00 ft

Total Volume: 1.727 bbl

Num Fluid Samples: 1

Num Gas Bombs: 1

Serial #: ms-1

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



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## DRILL STEM TEST REPORT

**GAS RATES**

Woolsey Operating Co.

**17-35s-12w Barber Co.**

125 N. Market Suite 1000  
Wichita, Ks.67202

**Mikita #1**

Job Ticket: 51928

**DST#: 1**

ATTN: Bill Klaver

Test Start: 2014.01.25 @ 20:34:14

### Gas Rates Information

Temperature: 59 (deg F)  
Relative Density: 0.65  
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
2	20	0.25	6.00	32.36
2	20	0.25	6.00	32.36
2	30	0.25	3.00	27.60
2	40	0.25	3.00	27.60
2	50	0.25	2.50	26.81

