



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Woolsey Operating Company

**16-35s-12w Barber Co., Ks**

125 N. Market STE 1000  
Wichita Ks. 67202

**Ohlson # 2**

Job Ticket: 57786

**DST#: 1**

ATTN: Bill Klaver

Test Start: 2014.10.16 @ 12:18:23

## GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 14:50:08

Time Test Ended: 22:59:38

Test Type: Conventional Bottom Hole (Initial)

Tester: Matt Smith

Unit No: 53

**Interval: 4836.00 ft (KB) To 4896.00 ft (KB) (TVD)**

Reference Elevations: 1393.00 ft (KB)

Total Depth: 4896.00 ft (KB) (TVD)

1381.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

**Serial #: 6773 Inside**

Press@RunDepth: 75.84 psig @ 4837.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.10.16

End Date:

2014.10.16

Last Calib.:

2014.10.16

Start Time: 12:18:28

End Time:

22:59:38

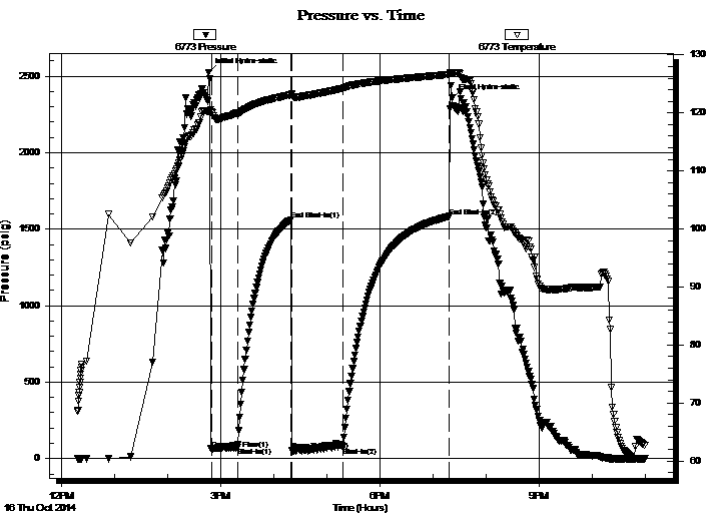
Time On Btm:

2014.10.16 @ 14:46:38

Time Off Btm:

2014.10.16 @ 19:21:38

**TEST COMMENT:** IF: Strong blow . B.O.B. in 30 secs.  
IS: No blow . Bleed off in 5 mins.  
FF: Strong blow . B.O.B., Immediate. G.T.S. in 9 mins. Gauged gas, see gas report.  
FS: No blow . Bleed off for 10 mins.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2525.29	120.31	Initial Hydro-static
4	59.57	120.21	Open To Flow (1)
33	71.84	120.02	Shut-In(1)
93	1561.26	123.12	End Shut-In(1)
94	53.08	123.24	Open To Flow (2)
152	75.84	124.25	Shut-In(2)
272	1583.28	126.61	End Shut-In(2)
275	2356.30	126.89	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
61.00	GOCM 5%o 10%g 85%m	0.30
61.00	GOCM 5%o 35%g 60%m	0.30
127.00	GOCM 5%g 5%o 90%m	0.92
0.00	G.T.S. G.I.P. 100%g	0.00

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	6.00	32.36
Last Gas Rate	0.13	8.00	8.38
Max. Gas Rate	0.13	8.00	8.38



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**FLUID SUMMARY**

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Job Ticket: 57786

**DST#: 1**

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Test Start: 2014.10.16 @ 12:18:23

## 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: 68.00 sec/qt

Cushion Volume:

bbf

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

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 bbf
61.00	GOCM 5%o 10%g 85%m	0.300
61.00	GOCM 5%o 35%g 60%m	0.300
127.00	GOCM 5%g 5%o 90%m	0.916
0.00	G.T.S. G.I.P. 100%g	0.000

Total Length: 249.00 ft

Total Volume: 1.516 bbl

Num Fluid Samples: 0

Num Gas Bombs: 1

Serial #: MAS Pratt

Laboratory Name: Caraway

Laboratory Location:

Recovery Comments: G.T.S. G.I.P. remainder of drill pipe.



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## DRILL STEM TEST REPORT

**GAS RATES**

Woolsey Operating Company

**16-35s-12w Barber Co., Ks**

125 N. Market STE 1000  
Wichita Ks. 67202

**Ohlson # 2**

Job Ticket: 57786

**DST#: 1**

ATTN: Bill Klaver

Test Start: 2014.10.16 @ 12:18:23

### 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	10	0.25	6.00	32.36
2	20	0.25	4.00	29.19
2	30	0.25	3.00	27.60
2	40	0.13	4.50	7.07
2	50	0.13	6.00	7.63
2	60	0.13	8.00	8.38

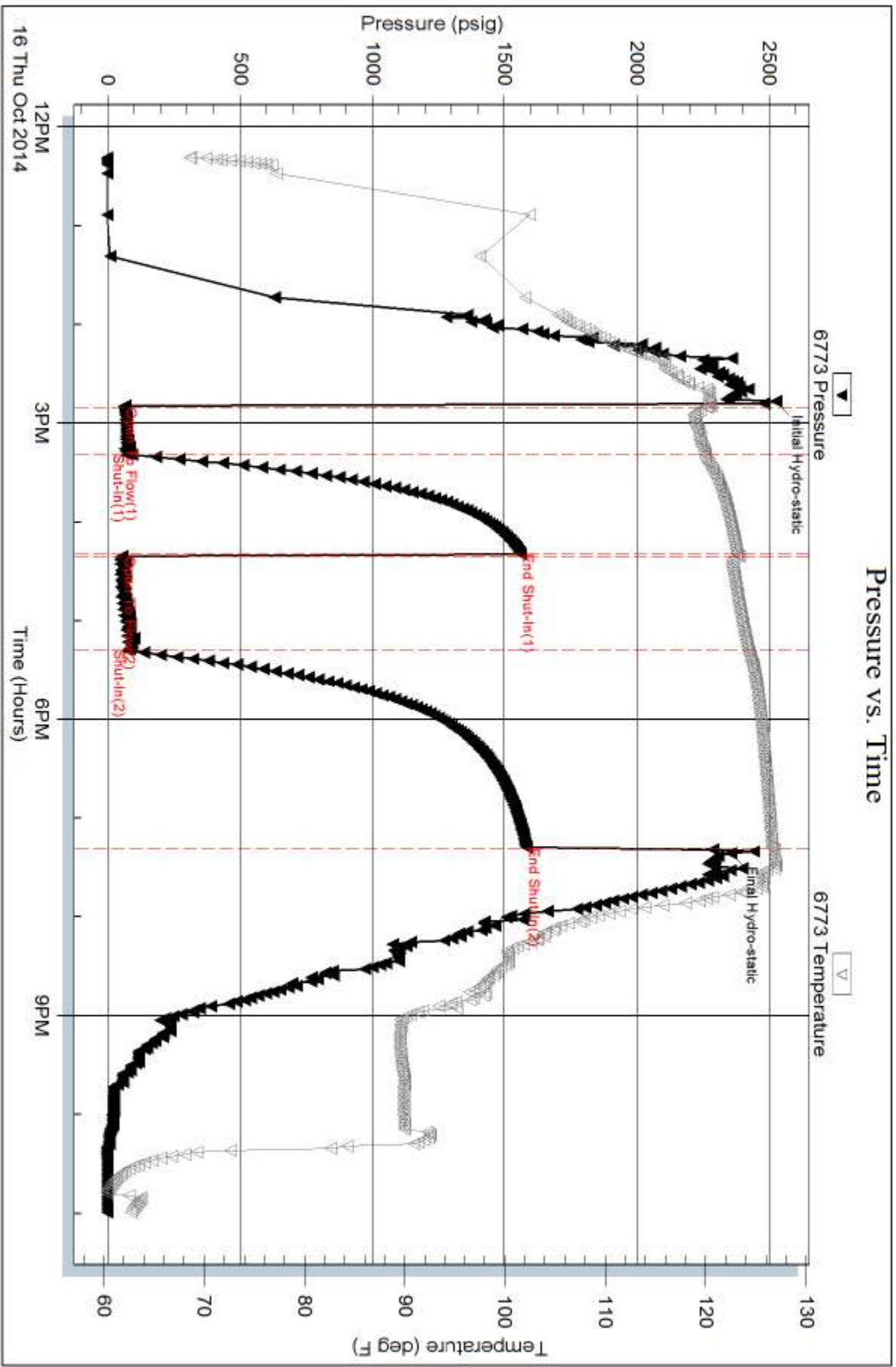
Serial #: 6773

Inside

Woodsey Operating Company

Ohlson # 2

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 57786

Printed: 2014.10.17 @ 11:55:30