



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Jones Oil, LLC.

**13-23s-14w Stafford Co., Ks.**

112 N. Gray  
St. John, Ks. 67576

**Miller #1**

Job Ticket: 54148

**DST#: 3**

ATTN: Keaton Jones

Test Start: 2014.09.14 @ 16:05:09

## GENERAL INFORMATION:

Formation: **Lansing ' J&K '**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:23:54

Time Test Ended: 00:14:09

Test Type: Conventional Bottom Hole (Reset)

Tester: Matt Smith

Unit No: 53

**Interval: 3660.00 ft (KB) To 3703.00 ft (KB) (TVD)**

Reference Elevations: 1908.00 ft (KB)

Total Depth: 3703.00 ft (KB) (TVD)

1903.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 6773 Inside**

Press @ Run Depth: 93.19 psig @ 3661.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.09.14

End Date:

2014.09.15

Last Calib.:

2014.09.15

Start Time:

16:05:14

End Time:

00:14:08

Time On Btm:

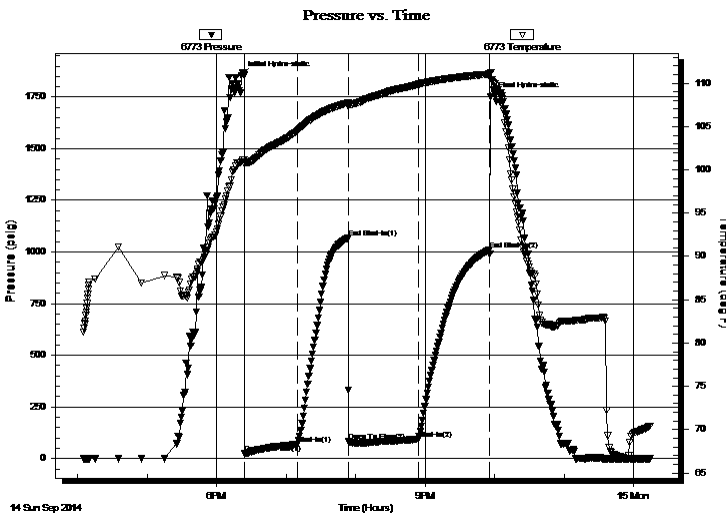
2014.09.14 @ 18:21:39

Time Off Btm:

2014.09.14 @ 21:56:39

**TEST COMMENT:** IF: Strong blow . B.O.B. in 39 mins.  
IS: Weak blow . Surf., - 1/4". Dead in 40 mins.  
FF: Strong blow . B.O.B. in 43 1/2 mins.  
FS: Weak blow . Surf., - 1/8". In 11 mins.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1852.87	100.92	Initial Hydro-static
3	22.97	100.64	Open To Flow (1)
48	68.52	104.53	Shut-In(1)
92	1067.84	107.70	End Shut-In(1)
93	82.02	107.54	Open To Flow (2)
153	93.19	109.86	Shut-In(2)
214	1010.51	111.05	End Shut-In(2)
215	1752.41	111.25	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	GOMCW 2%g 28%o 25%m 45%w	0.30
60.00	GOWCM 3%g 17%o 30%w 50%m	0.30
45.00	WOCM 10%w 45%o 45%m	0.60
0.00	305' G.I.P. 100%g	0.00
0.00	RW .21 @ 67 = 38000 chlorides	0.00

## Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

\* Recovery from multiple tests



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**FLUID SUMMARY**

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## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 52.00 sec/qt  
Water Loss: 9.59 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 8000.00 ppm  
Filter Cake: 0.20 inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

Oil API: deg API  
Water Salinity: 38000 ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	GOMCW 2%g 28%o 25%m 45%w	0.295
60.00	GOWCM 3%g 17%o 30%w 50%m	0.295
45.00	WOCM 10%w 45%o 45%m	0.604
0.00	305' G.I.P. 100%g	0.000
0.00	RW .21 @ 67 = 38000 chlorides	0.000

Total Length: 165.00 ft      Total Volume: 1.194 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #: none

Laboratory Name:      Laboratory Location:

Recovery Comments: RW is .21 @ 67 degrees = 38000 chlorides.

Serial #: 6773

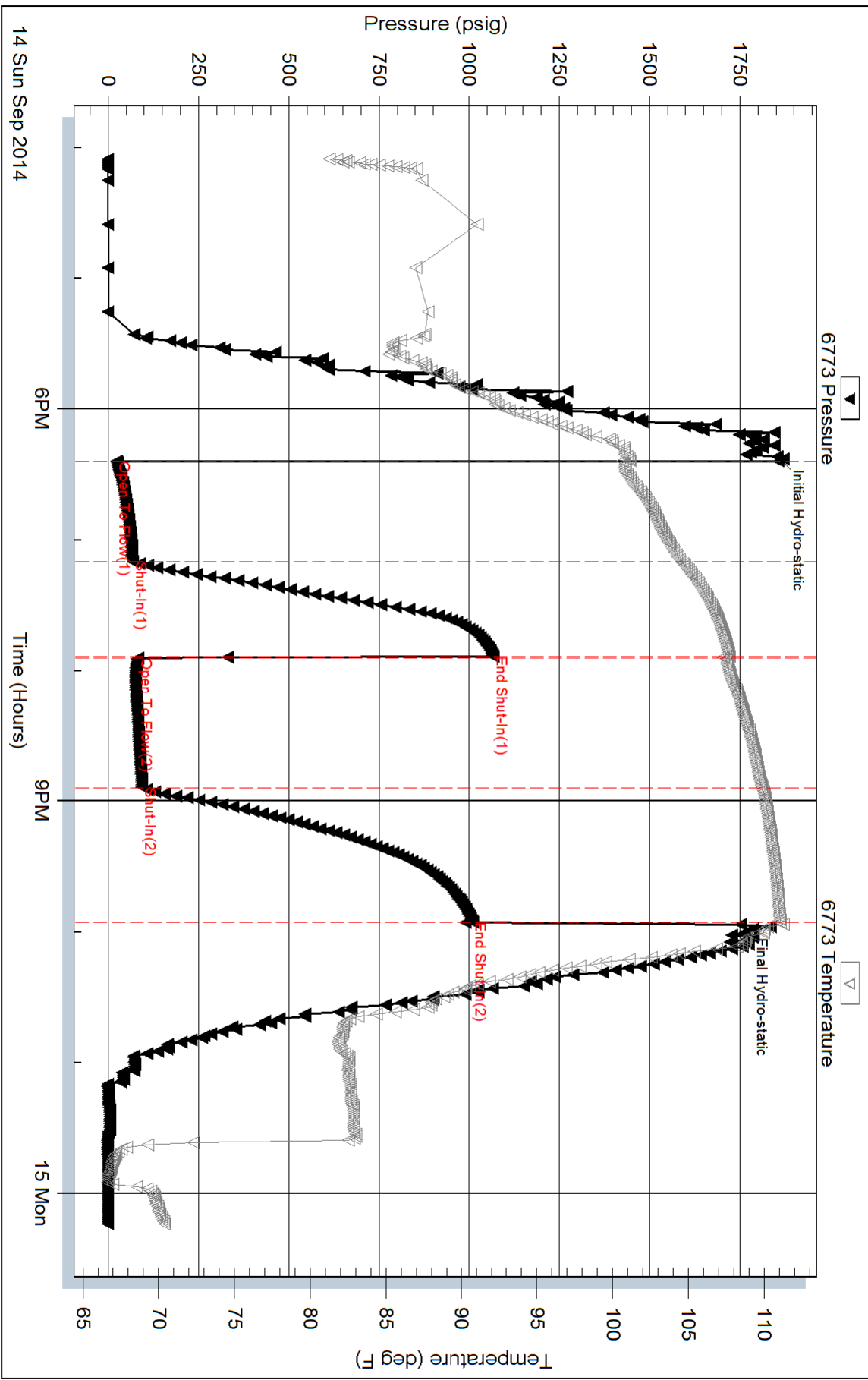
Inside

Jones Oil, LLC.

Miller #1

DST Test Number: 3

# Pressure vs. Time



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Ref. No: 54148

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