



**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: 54150

DST#: 5

ATTN: Keaton Jones

Test Start: 2014.09.16 @ 10:05:42

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:46:42

Time Test Ended: 18:38:42

Test Type: Conventional Bottom Hole (Reset)

Tester: Matt Smith

Unit No: 53

Interval: 3954.00 ft (KB) To 3963.00 ft (KB) (TVD)

Reference Elevations: 1908.00 ft (KB)

Total Depth: 3963.00 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@RunDepth: 99.99 psig @ 3955.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.09.16

End Date:

2014.09.16

Last Calib.:

2014.09.16

Start Time: 10:05:47

End Time:

18:38:42

Time On Btm:

2014.09.16 @ 12:45:12

Time Off Btm:

2014.09.16 @ 16:23:12

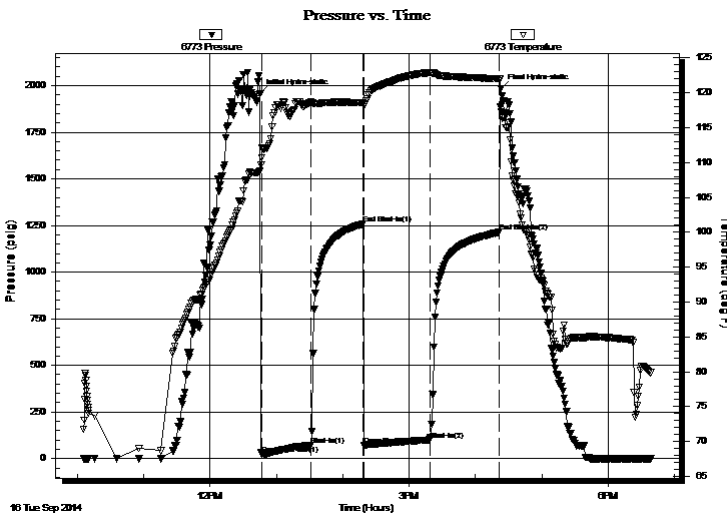
TEST COMMENT: IF: Fair blow . Surf., - 5 1/2".

IS: No blow .

FF: Fair blow . Surf., - 6 1/4".

FS: No blow .

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1955.62	108.73	Initial Hydro-static
2	21.89	110.65	Open To Flow (1)
46	70.08	118.64	Shut-In(1)
94	1258.17	118.54	End Shut-In(1)
95	72.63	118.27	Open To Flow (2)
154	99.99	122.91	Shut-In(2)
216	1214.06	121.97	End Shut-In(2)
218	1982.99	117.29	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GOMCW 1%g 12%o 12%m 75%w	0.30
60.00	OMCW 15%o 15%m 70%w	0.30
31.00	GOMCW 1%g 14%o 30%m 55%w	0.41
31.00	CO 100%o	0.43
5.00	CO 100%o	0.07

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Jones Oil, LLC.

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

112 N. Gray
St. John, Ks. 67576

Miller #1

Job Ticket: 54150

DST#: 5

ATTN: Keaton Jones

Test Start: 2014.09.16 @ 10:05:42

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

30 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

10500 ppm

Viscosity: 66.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	GOMCW 1%g 12%o 12%m 75%w	0.295
60.00	OMCW 15%o 15%m 70%w	0.295
31.00	GOMCW 1%g 14%o 30%m 55%w	0.408
31.00	CO 100%o	0.435
5.00	CO 100%o	0.070

Total Length: 187.00 ft Total Volume: 1.503 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity 32.2 @ 88 degrees. Corrected 30 @ 60 degrees.

RW .50 @ 83 degrees = 10,500 chlorides

Pressure vs. Time

