



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Dow ning & Nelson Oil Co.

**Keller Trust #1-20**

PO Box 1019  
Hays, KS. 67601

**22-22s-22w-Pawnee**

ATTN: Marc Dow ning

Job Ticket: 43530

**DST#: 1**

Test Start: 2011.06.28 @ 22:00:58

## GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:54:13

Time Test Ended: 04:55:43

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 54

**Interval: 4308.00 ft (KB) To 4344.00 ft (KB) (TVD)**

Reference Elevations: 2203.00 ft (KB)

Total Depth: 4344.00 ft (KB) (TVD)

2195.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

**Serial #: 6755**

**Inside**

Press @ Run Depth: 59.30 psig @ 4311.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.06.28

End Date:

2011.06.29

Last Calib.:

2011.06.29

Start Time: 22:01:00

End Time:

04:55:43

Time On Btm:

2011.06.28 @ 23:53:43

Time Off Btm:

2011.06.29 @ 03:04:13

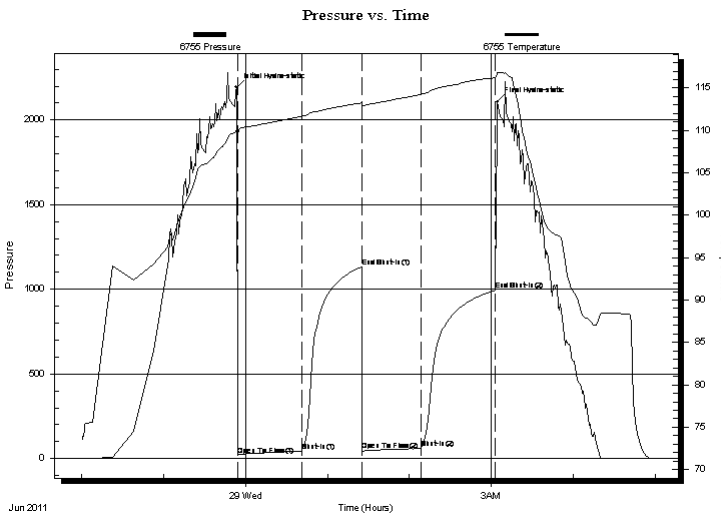
TEST COMMENT: IFP-Good Blow , Built to 6-1/2"

ISI-Dead

FFP-Good Blow , Built to 6"

FSI-Dead

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2192.18	110.21	Initial Hydro-static
1	19.74	109.50	Open To Flow (1)
48	45.02	111.67	Shut-In(1)
92	1133.05	113.24	End Shut-In(1)
92	46.46	112.83	Open To Flow (2)
135	59.30	114.26	Shut-In(2)
190	994.66	116.21	End Shut-In(2)
191	2107.62	116.79	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
95.00	HMCO-75%O-25%M	1.05
10.00	Free Oil	0.14

## Gas Rates

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



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**FLUID SUMMARY**

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**DST#: 1**

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Test Start: 2011.06.28 @ 22:00:58

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5800.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
95.00	HMCO-75%O-25%M	1.050
10.00	Free Oil	0.140

Total Length: 105.00 ft

Total Volume: 1.190 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

