



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co Inc.

**FHSU 1-7**

PO Box 1019  
113 w est 13th  
Hays Ks 67601  
ATTN: Ron Nelson

**7-14-18w, Ellis, Ks**

Job Ticket: 34332

**DST#: 1**

Test Start: 2011.06.04 @ 09:10:33

## GENERAL INFORMATION:

Formation: **KC"D,E,F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:12:03

Time Test Ended: 15:48:03

Test Type: Conventional Bottom Hole

Tester: Brett Dickinson

Unit No: 47

**Interval: 3403.00 ft (KB) To 3458.00 ft (KB) (TVD)**

Reference Elevations: 2071.00 ft (KB)

Total Depth: 3458.00 ft (KB) (TVD)

2063.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 8319 Outside**

Press @ RunDepth: 156.45 psig @ 3404.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.06.04

End Date:

2011.06.04

Last Calib.:

2011.06.04

Start Time: 09:10:38

End Time:

15:48:02

Time On Btm:

2011.06.04 @ 11:10:03

Time Off Btm:

2011.06.04 @ 14:15:33

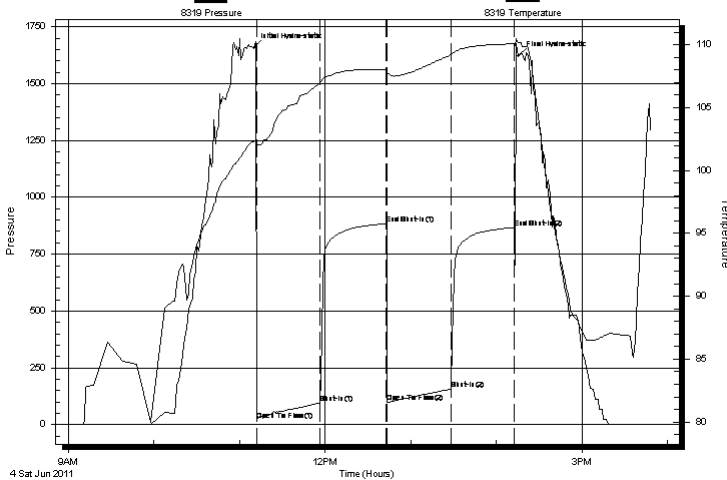
TEST COMMENT: IF-5.25in blow

ISI-No blow

FF-6in blow

FSI-No blow

Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1657.80	102.29	Initial Hydro-static
2	20.47	102.01	Open To Flow (1)
46	94.65	106.92	Shut-In(1)
93	884.25	107.99	End Shut-In(1)
94	97.07	107.74	Open To Flow (2)
138	156.45	109.20	Shut-In(2)
183	866.98	110.07	End Shut-In(2)
186	1621.48	110.16	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
120.00	water	1.41
160.00	MCW 70%W 30%M	2.24

## Gas Rates

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



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**FLUID SUMMARY**

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113 west 13th  
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ATTN: Ron Nelson

**7-14-18w, Ellis, Ks**

Job Ticket: 34332

**DST#: 1**

Test Start: 2011.06.04 @ 09:10:33

## 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:

90000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	water	1.410
160.00	MCW 70%W 30%M	2.244

Total Length: 280.00 ft

Total Volume: 3.654 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .07

### Pressure vs. Time

