



**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: 34335

DST#: 4

Test Start: 2011.06.06 @ 16:35:50

GENERAL INFORMATION:

Formation:

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:24:20

Time Test Ended: 21:29:20

Test Type: Conventional Straddle

Tester: Brett Dickinson

Unit No: 47

Interval: 3650.00 ft (KB) To 3690.00 ft (KB) (TVD)

Reference Elevations: 2071.00 ft (KB)

Total Depth: 3793.00 ft (KB) (TVD)

2063.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6753 Outside

Press @ Run Depth: 21.02 psig @ 3651.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.06.06

End Date:

2011.06.06

Last Calib.:

2011.06.06

Start Time: 16:35:55

End Time:

21:29:19

Time On Btm:

2011.06.06 @ 18:23:50

Time Off Btm:

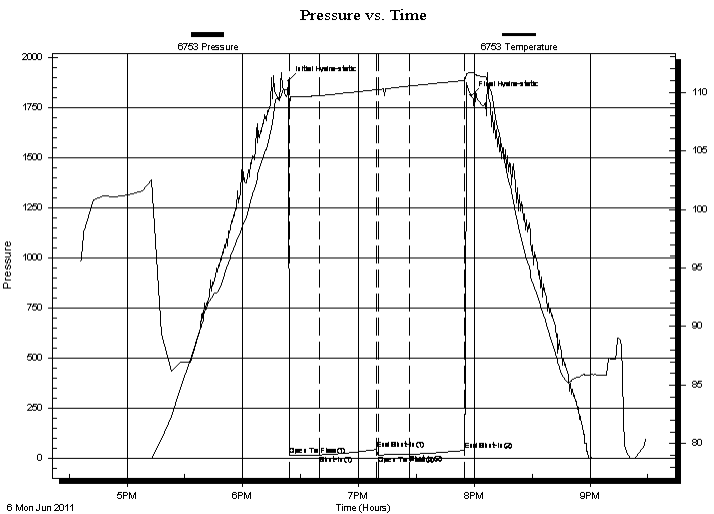
2011.06.06 @ 19:58:20

TEST COMMENT: IF-weak surface blow died in 11min

ISI-No blow

FF-No blow

FSI-No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1884.75	110.19	Initial Hydro-static
1	16.48	108.81	Open To Flow (1)
16	18.60	109.71	Shut-In(1)
46	45.90	110.23	End Shut-In(1)
47	19.09	110.24	Open To Flow (2)
63	21.02	110.53	Shut-In(2)
91	41.02	110.99	End Shut-In(2)
95	1810.84	111.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Oilspotted mud	0.02

Gas Rates

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



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FLUID SUMMARY

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DST#: 4

Test Start: 2011.06.06 @ 16:35:50

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:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.17 in³

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 bbbl
5.00	Oilspotted mud	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

