



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co. Inc.

Luea #4

PO Box 1019
Hays Ks 67601

1-14-21, Trego, Ks

ATTN: Marc Dow ning

Job Ticket: 43925

DST#: 1

Test Start: 2011.07.31 @ 04:25:22

GENERAL INFORMATION:

Formation: **LKC "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:25:22

Time Test Ended: 10:27:52

Test Type: Conventional Bottom Hole

Tester: Brett Dickinson

Unit No: 47

Interval: 3538.00 ft (KB) To 3570.00 ft (KB) (TVD)

Reference Elevations: 2260.00 ft (KB)

Total Depth: 3570.00 ft (KB) (TVD)

2252.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6753 Outside

Press @ Run Depth: 47.79 psig @ 3542.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.31

End Date:

2011.07.31

Last Calib.:

2011.07.31

Start Time: 04:25:27

End Time:

10:27:51

Time On Btm:

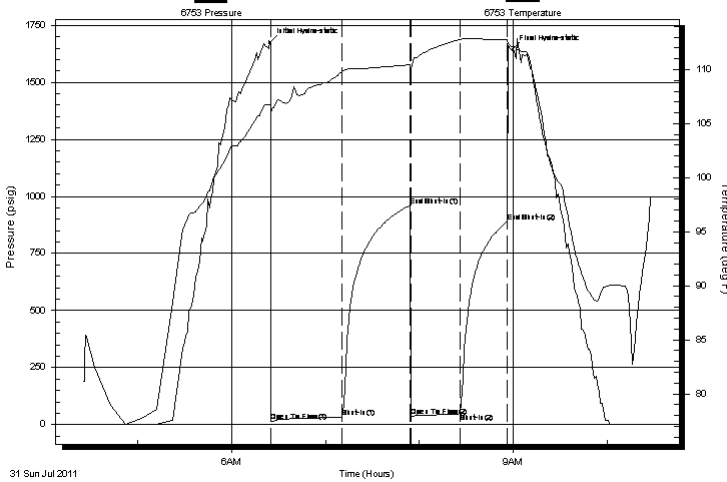
2011.07.31 @ 06:24:22

Time Off Btm:

2011.07.31 @ 08:59:22

TEST COMMENT: IF-2 3/4in blow
ISI-No blow
FF-Very weak surface blow
FSI-No blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1674.29	106.73	Initial Hydro-static
1	13.61	105.96	Open To Flow (1)
47	33.51	109.84	Shut-In(1)
90	960.77	110.44	End Shut-In(1)
91	37.69	110.00	Open To Flow (2)
122	47.79	112.76	Shut-In(2)
152	887.77	112.82	End Shut-In(2)
155	1641.98	112.12	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	MCW 15%M 85%W	0.64

Gas Rates

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



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FLUID SUMMARY

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DST#: 1

ATTN: Marc Dow ning

Test Start: 2011.07.31 @ 04:25:22

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:

60000 ppm

Viscosity: 73.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
65.00	MCW 15%M 85%W	0.638

Total Length: 65.00 ft Total Volume: 0.638 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .10

Pressure vs. Time

