



**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: 43926

DST#: 2

Test Start: 2011.07.31 @ 16:25:01

GENERAL INFORMATION:

Formation: **LKC"C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:45:31

Time Test Ended: 23:26:01

Test Type: Conventional Bottom Hole

Tester: Brett Dickinson

Unit No: 47

Interval: 3567.00 ft (KB) To 3592.00 ft (KB) (TVD)

Reference Elevations: 2260.00 ft (KB)

Total Depth: 3592.00 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: 71.62 psig @ 3571.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.31

End Date: 2011.07.31

Last Calib.: 2011.07.31

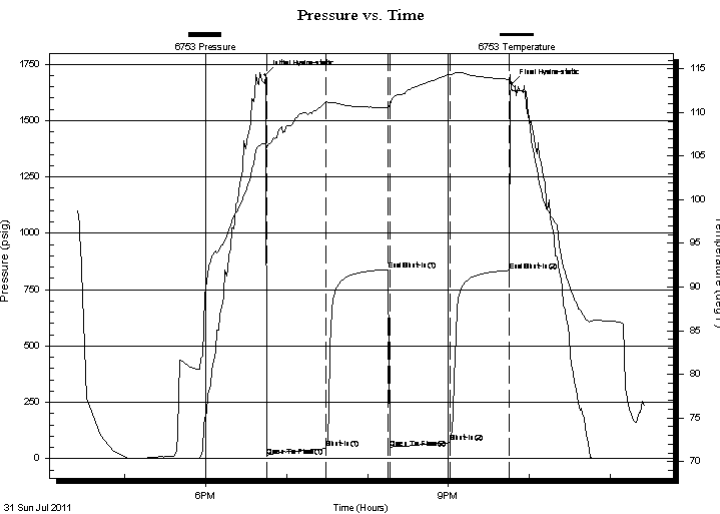
Start Time: 16:25:06

End Time: 23:26:00

Time On Btm: 2011.07.31 @ 18:44:31

Time Off Btm: 2011.07.31 @ 21:47:01

TEST COMMENT: IF-3.5in blow
ISI-No blow
FF-3in blow
FSI-No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1702.79	106.48	Initial Hydro-static
1	12.73	105.96	Open To Flow (1)
45	45.07	111.21	Shut-In(1)
91	839.66	110.58	End Shut-In(1)
92	48.37	110.87	Open To Flow (2)
137	71.62	114.37	Shut-In(2)
181	835.58	113.80	End Shut-In(2)
183	1664.61	112.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	oilspotted MCW	1.41

Gas Rates

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



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FLUID SUMMARY

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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:

50000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.79 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 bbl
120.00	oilspotted MCW	1.410

Total Length: 120.00 ft

Total Volume: 1.410 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .15

