



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co.

**RBL Unit #1-25**

P.O. Box 1019  
Hays, Ks 67601

**25/13S/21W-Trego**

ATTN: Ron Nelson

Job Ticket: 42799

**DST#: 2**

Test Start: 2011.05.02 @ 20:05:08

## GENERAL INFORMATION:

Formation: **LKC E**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:46:28

Time Test Ended: 02:50:08

Test Type: Conventional Bottom Hole

Tester: Dustin Rash

Unit No: 38

**Interval: 3649.00 ft (KB) To 3670.00 ft (KB) (TVD)**

Reference Elevations: 2311.00 ft (KB)

Total Depth: 3670.00 ft (KB) (TVD)

2304.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 7.00 ft

**Serial #: 8354**

**Inside**

Press @ Run Depth: 241.06 psig @ 3651.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.05.02

End Date:

2011.05.03

Last Calib.:

2011.05.03

Start Time:

20:15:08

End Time:

02:50:08

Time On Btm:

2011.05.02 @ 21:45:18

Time Off Btm:

2011.05.03 @ 00:22:08

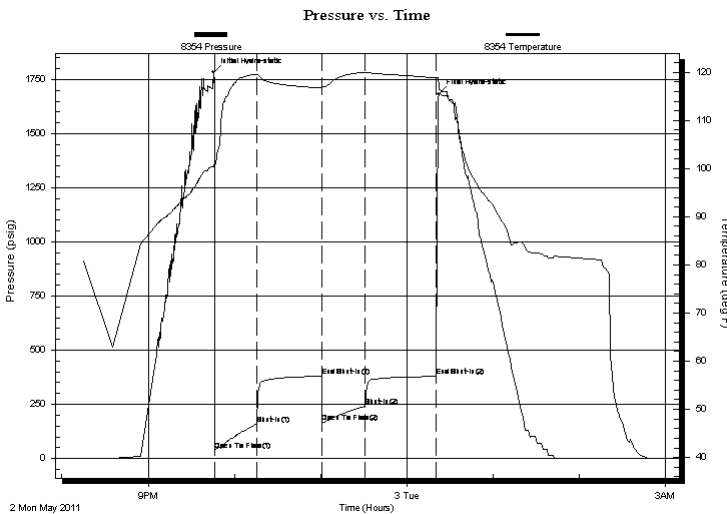
**TEST COMMENT:** IF-Strong building blow . BOB in 2 minutes 40 seconds.

ISI-Return @ 15 seconds. BOB in 16 minutes.

FF-Fair building blow . BOB in 8 minutes.

FSI-Return @ 15 seconds. BOB in 24 minutes.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1782.97	100.38	Initial Hydro-static
2	36.46	100.00	Open To Flow (1)
31	158.75	119.58	Shut-In(1)
76	379.87	116.86	End Shut-In(1)
76	164.87	116.77	Open To Flow (2)
106	241.06	119.96	Shut-In(2)
156	379.08	118.85	End Shut-In(2)
157	1683.58	116.98	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
180.00	90%/Water/10%Mud	2.24
120.00	65%Water/30%Mud/5%Oil	1.68
60.00	50%Mud/20%Water/20%Gas/10%Oil	0.84
150.00	60%Oil/40%Gas	2.10
0.00	930' G.I.P.	0.00

## 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:

41 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.11 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
180.00	90%/Water/10%Mud	2.243
120.00	65%/Water/30%Mud/5%Oil	1.683
60.00	50%Mud/20%Water/20%Gas/10%Oil	0.842
150.00	60%Oil/40%Gas	2.104
0.00	930' G.I.P.	0.000

Total Length: 510.00 ft

Total Volume: 6.872 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time

