



**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: 42876

DST#: 4

Test Start: 2011.05.04 @ 10:54:15

GENERAL INFORMATION:

Formation: **LKC**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:33:55

Time Test Ended: 17:00:45

Test Type: Conventional Bottom Hole

Tester: Dustin Rash

Unit No: 38

Interval: 3910.00 ft (KB) To 3935.00 ft (KB) (TVD)

Reference Elevations: 2311.00 ft (KB)

Total Depth: 3935.00 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: 87.69 psig @ 3912.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.05.04

End Date: 2011.05.04

Last Calib.: 2011.05.04

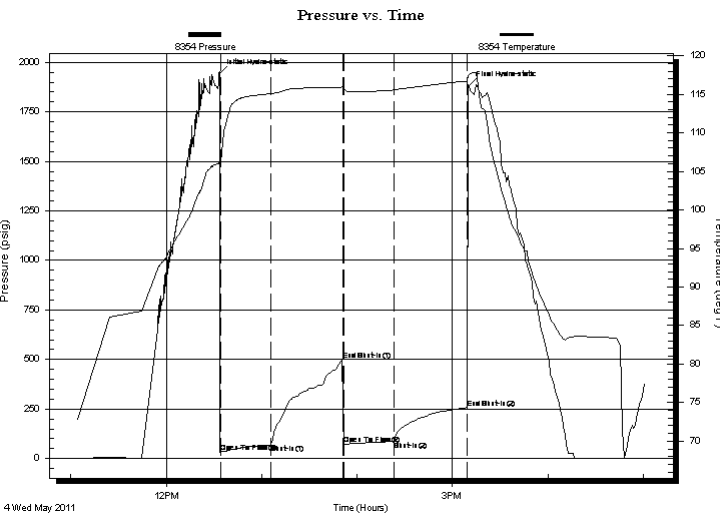
Start Time: 11:04:15

End Time: 17:00:45

Time On Btm: 2011.05.04 @ 12:33:45

Time Off Btm: 2011.05.04 @ 15:10:15

TEST COMMENT: IF-Strong building blow . BOB in 4 minutes 40 seconds.
IS- Surging surface return @ 45 seconds. Built to 1/4 inch.
FF-Weak building blow . Built to 10 inches.
FS-No Return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1943.61	106.23	Initial Hydro-static
1	29.81	105.16	Open To Flow (1)
32	69.48	115.05	Shut-In(1)
77	497.37	115.93	End Shut-In(1)
78	72.05	115.60	Open To Flow (2)
110	87.69	115.57	Shut-In(2)
156	256.56	116.70	End Shut-In(2)
157	1880.38	117.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	40%Oil/40%Mud/20%Gas	0.15
185.00	50%Oil/50%Gas	2.59
0.00	275' 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: 37 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.58 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 6000.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	40%Oil/40%Mud/20%Gas	0.148
185.00	50%Oil/50%Gas	2.586
0.00	275' G.I.P.	0.000

Total Length: 215.00 ft Total Volume: 2.734 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

