



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

Job Ticket: 42798

DST#: 1

ATTN: Ron Nelson

Test Start: 2011.05.02 @ 07:48:15

GENERAL INFORMATION:

Formation: **LKC**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:36:05

Time Test Ended: 14:24:15

Test Type: Conventional Bottom Hole

Tester: Dustin Rash

Unit No: 38

Interval: 3606.00 ft (KB) To 3645.00 ft (KB) (TVD)

Reference Elevations: 2311.00 ft (KB)

Total Depth: 3645.00 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: 57.71 psig @ 3608.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.05.02

End Date:

2011.05.02

Last Calib.:

2011.05.02

Start Time: 07:58:15

End Time:

14:24:15

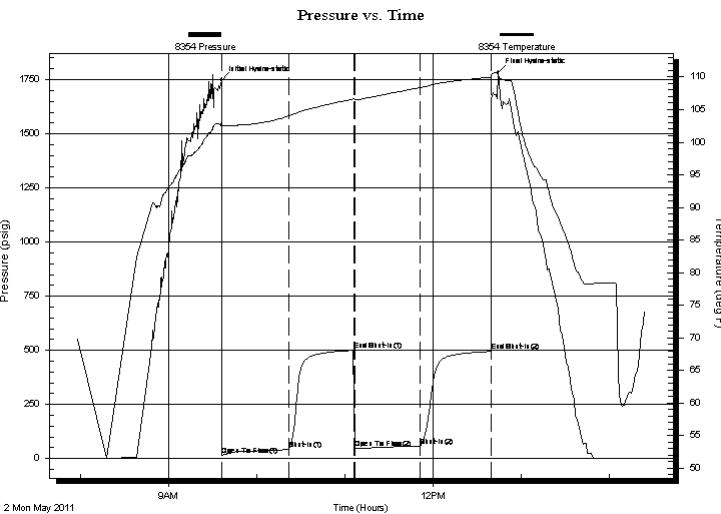
Time On Btm:

2011.05.02 @ 09:35:55

Time Off Btm:

2011.05.02 @ 12:44:15

TEST COMMENT: IF-Weak building blow . Built to 3&1/4 inches.
IS-No Return.
FF-Weak building blow . Built to 3&1/4 inches.
FS-No Return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1748.19	102.85	Initial Hydro-static
1	14.29	102.26	Open To Flow (1)
46	42.04	104.02	Shut-In(1)
90	499.65	106.62	End Shut-In(1)
91	46.22	106.48	Open To Flow (2)
136	57.71	108.36	Shut-In(2)
184	493.90	109.99	End Shut-In(2)
189	1783.76	110.37	Final Hydro-static

Recovery

Gas Rates

Length (ft)	Description	Volume (bbl)
60.00	50%Mud/45%Water/5%Oil	0.56
30.00	75%Mud/20%Water/5%Oil	0.42
6.00	80%Oil/15%Mud/5%Water	0.08

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



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FLUID SUMMARY

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DST#: 1

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Test Start: 2011.05.02 @ 07:48:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

42 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

52500 ppm

Viscosity: 82.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: 0.12 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	50%Mud/45%Water/5%Oil	0.559
30.00	75%Mud/20%Water/5%Oil	0.421
6.00	80%Oil/15%Mud/5%Water	0.084

Total Length: 96.00 ft

Total Volume: 1.064 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

