



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co. Inc.

Cecelia Brull 1-33

P.O. Box 372
Hays, Ks 67601

33/15S/19W-ELLIS

Job Ticket: 41324

DST#: 2

ATTN: Marc Dow ning

Test Start: 2011.01.08 @ 00:19:36

GENERAL INFORMATION:

Formation: **LKC C&D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:19:51

Time Test Ended: 07:30:51

Test Type: Conventional Bottom Hole

Tester: Dustin Rash

Unit No: 38

Interval: 3320.00 ft (KB) To 3365.00 ft (KB) (TVD)

Reference Elevations: 2044.00 ft (KB)

Total Depth: 3365.00 ft (KB) (TVD)

2036.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 8.00 ft

Serial #: 8354 Inside

Press @ RunDepth: 268.40 psig @ 3321.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.01.08

End Date:

2011.01.08

Last Calib.:

2011.01.08

Start Time: 00:19:37

End Time:

07:30:51

Time On Btm:

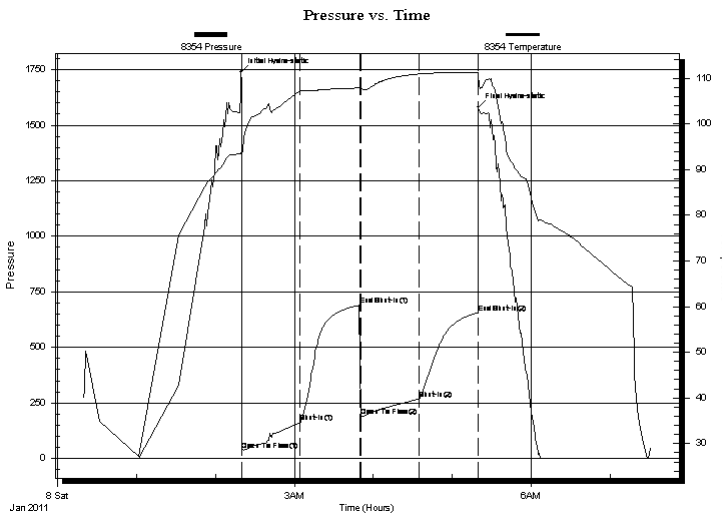
2011.01.08 @ 02:19:06

Time Off Btm:

2011.01.08 @ 05:19:51

TEST COMMENT: IF-Fair building blow . BOB in 12 minutes.
ISI-Return in 30 seconds. Built to 6 inches.
FF-Strong building blow . BOB in 1&1/2 minutes.
FSI-Return in 30 seconds. BOB in 38 minutes.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1737.99	93.62	Initial Hydro-static
1	35.87	93.35	Open To Flow (1)
46	161.59	107.23	Shut-In(1)
91	689.75	107.85	End Shut-In(1)
92	190.64	107.65	Open To Flow (2)
136	268.40	110.98	Shut-In(2)
181	654.60	111.24	End Shut-In(2)
181	1580.19	110.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	40%Mud/30%Oil/30%Gas	1.46
496.00	60%Gas/40%Oil	6.96
72.00	40%Mud/40%Oil/20%Gas	1.01
0.00	2852' 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
Mud Weight: 9.00 lb/gal
Viscosity: 54.00 sec/qt
Water Loss: 7.98 in³
Resistivity: ohm.m
Salinity: 2000.00 ppm
Filter Cake: inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 31 deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	40%Mud/30%Oil/30%Gas	1.457
496.00	60%Gas/40%Oil	6.958
72.00	40%Mud/40%Oil/20%Gas	1.010
0.00	2852' G.I.P.	0.000

Total Length: 692.00 ft Total Volume: 9.425 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

