



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: 41323

DST#: 1

ATTN: Marc Dow ning

Test Start: 2011.01.07 @ 06:03:26

GENERAL INFORMATION:

Formation: **Plattsmouth**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:39:56

Time Test Ended: 12:29:56

Test Type: Conventional Bottom Hole

Tester: Dustin Rash

Unit No: 38

Interval: 3177.00 ft (KB) To 3216.00 ft (KB) (TVD)

Reference Elevations: 2044.00 ft (KB)

Total Depth: 3216.00 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 @ Run Depth: 266.09 psig @ 3178.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.01.07

End Date:

2011.01.07

Last Calib.:

2011.01.07

Start Time:

06:03:27

End Time:

12:29:56

Time On Btm:

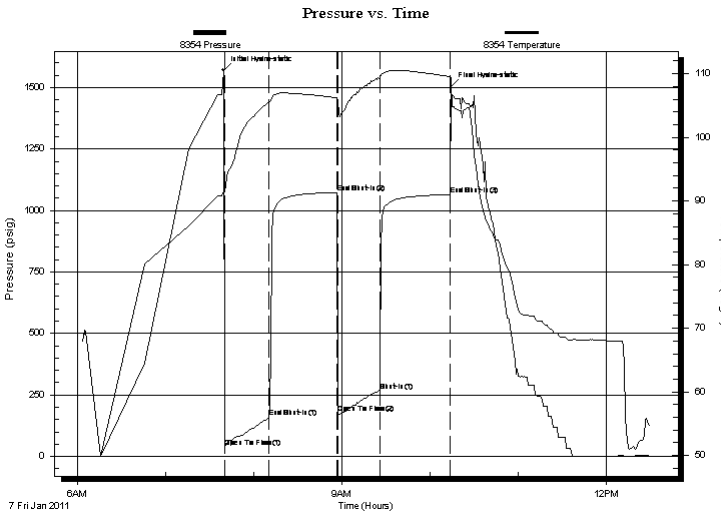
2011.01.07 @ 07:39:26

Time Off Btm:

2011.01.07 @ 10:14:26

TEST COMMENT: IF-Strong building blow . Built to BOB in 2&1/2 minutes.
ISI-Return in 30 seconds. BOB in 10 minutes.
FF-Strong building blow . BOB in 2 minutes. GTS in 16 minutes. TSTM.
FSI-Return in 15 seconds. BO

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1569.64	91.38	Initial Hydro-static
1	39.03	91.45	Open To Flow (1)
31	158.32	105.58	End Shut-In(1)
78	1073.56	106.18	End Shut-In(2)
78	175.05	105.76	Open To Flow (2)
107	266.09	109.31	Shut-In(1)
155	1065.21	109.55	End Shut-In(3)
155	1504.08	109.46	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	45%Mud/30%Gas/15%Water/10%Oil	0.59
62.00	55%Oil/40%Gas/5%Water	0.87
124.00	50%Gas/40%Oil/10%Mud	1.74
420.00	60%Gas/40%Oil	5.89
62.00	60%Mud/20%Oil/20%Gas	0.87
0.00	3134' G.I.P.	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Dow ning-Nelson Oil Co. Inc.

Cecelia Brull 1-33

P.O. Box 372
Hays, Ks 67601

33/15S/19W-ELLIS

Job Ticket: 41323

DST#: 1

ATTN: Marc Dow ning

Test Start: 2011.01.07 @ 06:03:26

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

31 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

36000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: 0.25 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
62.00	45%Mud/30%Gas/15%Water/10%Oil	0.587
62.00	55%Oil/40%Gas/5%Water	0.870
124.00	50%Gas/40%Oil/10%Mud	1.739
420.00	60%Gas/40%Oil	5.891
62.00	60%Mud/20%Oil/20%Gas	0.870
0.00	3134' G.I.P.	0.000

Total Length: 730.00 ft

Total Volume: 9.957 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

