DRILL STEM TEST REPORT

Dow ning-Nelson Oil Co.,Inc.

P.O. Box 372
Hays,Ks 67601

ATTN: Marc Dow ning

Basil #1-30

30/20S/20W-Pawnee

Job Ticket: 41841 **DST#: 1**

Test Start: 2011.02.16 @ 13:19:47

GENERAL INFORMATION:

Formation: **Mississippian**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:13:47
Time Test Ended: 20:47:17

Test Type: Conventional Bottom Hole
Tester: Dustin Rash
Unit No: 44

Interval: 4307.00 ft (KB) To 4353.00 ft (KB) (TVD)
Total Depth: 4353.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

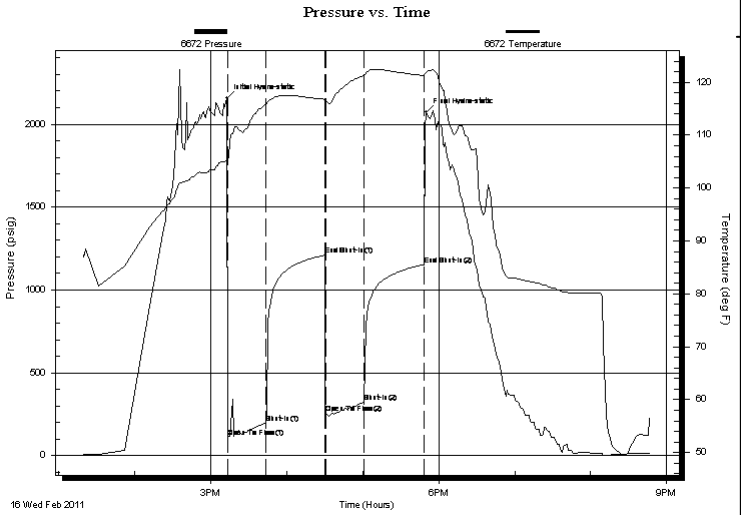
Reference Elevations: 2198.00 ft (KB)
2191.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 6672 **Inside**

Press@RunDepth: 323.15 psig @ 4313.00 ft (KB)
Start Date: 2011.02.16 End Date: 2011.02.16
Start Time: 13:19:47 End Time: 20:47:16

Capacity: 8000.00 psig
Last Calib.: 2011.02.16
Time On Btm: 2011.02.16 @ 15:12:46
Time Off Btm: 2011.02.16 @ 17:50:16

TEST COMMENT: IF- Fair building blow . BOB in 7 minutes 20 seconds.
ISI-Return @ 45 seconds. Built to 4 inches.
FF-Strong-fair building blow . BOB in 5 minutes.
FSI-Return @ 30 seconds. Built to 1&1/2 inches.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2157.17	105.28	Initial Hydro-static
1	112.12	105.38	Open To Flow (1)
31	198.17	115.85	Shut-In(1)
77	1209.92	116.78	End Shut-In(1)
78	256.34	116.35	Open To Flow (2)
109	323.15	121.32	Shut-In(2)
156	1153.63	121.23	End Shut-In(2)
158	2072.36	121.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
217.00	50%Oil/40%Mud/10%Gas	2.76
558.00	50%Oil/45%Gas/5%Mud	7.83
0.00	310' G.I.P.	0.00

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Downing-Nelson Oil Co.,Inc.

P.O. Box 372
Hays,Ks 67601

ATTN: Marc Downing

Basil #1-30

30/20S/20W-Pawnee

Job Ticket: 41841 **DST#: 1**

Test Start: 2011.02.16 @ 13:19:47

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	40 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	46.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.58 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	3800.00 ppm				
Filter Cake:	inches				

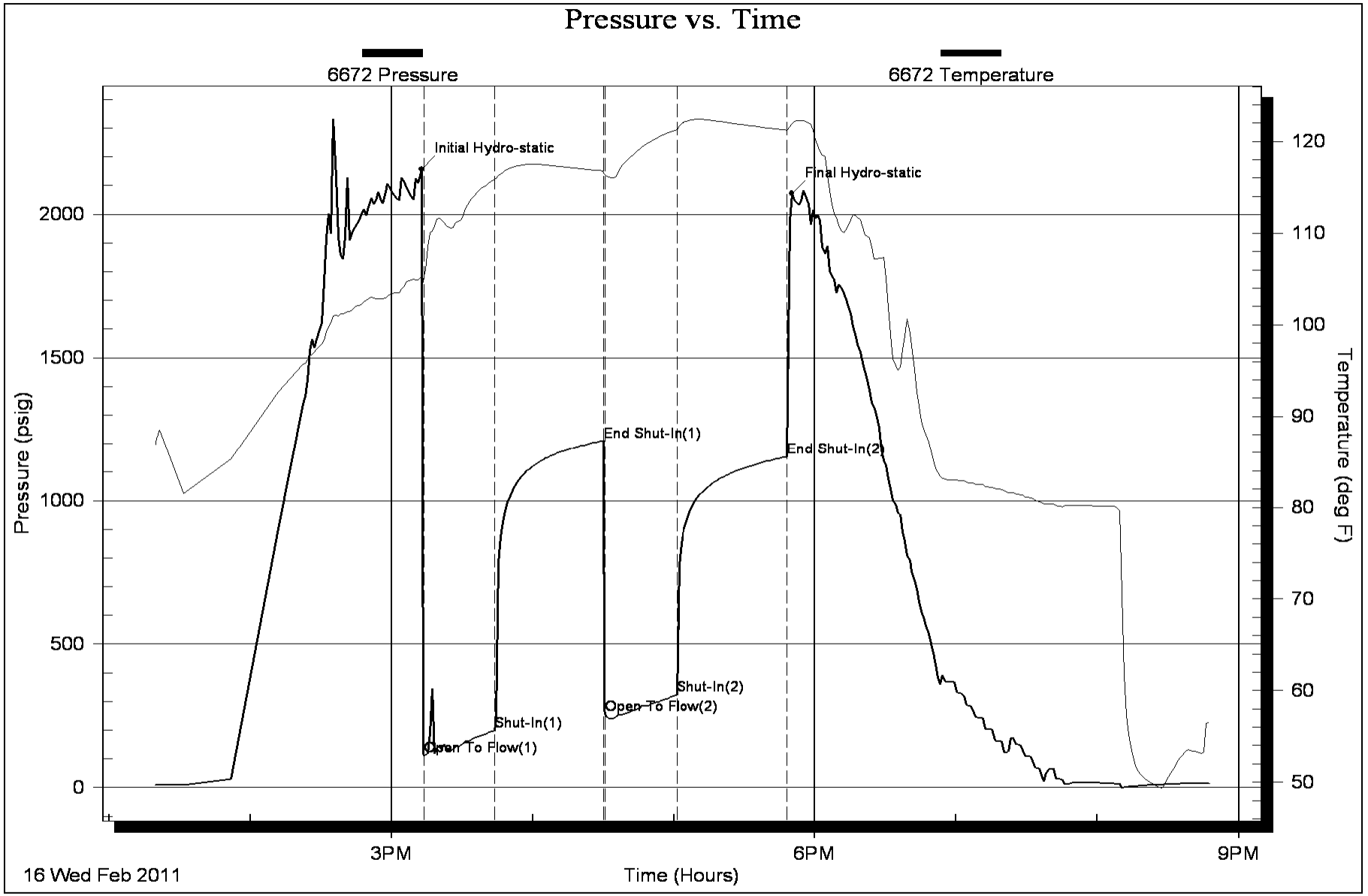
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
217.00	50%Oil/40%Mud/10%Gas	2.762
558.00	50%Oil/45%Gas/5%Mud	7.827
0.00	310' G.I.P.	0.000

Total Length: 775.00 ft Total Volume: 10.589 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:


Pressure vs. Time
6672 Pressure
6672 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(1)
Open To Flow(1)
Shut-In(2)
Open To Flow(2)
Pressure (psig)
Temperature (deg F)
2000
1500
1000
500
0
120
110
100
90
80
70
60
50
3PM
6PM
9PM
16 Wed Feb 2011
Time (Hours)

TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

4/10

FEB 17 2011

Test Ticket

NO. 041841 5395

Well Name & No. Basil #1-30 Test No. 1 Date 2-16-11

Company Downing-Nelson Oil Co, Inc. Elevation 2198 KB 2191 GL

Address P.O. Box 372 Hays, KS 67601

Co. Rep / Geo. Marc Downing Rig Discovery #4

Location: Sec. 30 Twp. 20S Rge. 20W Co. Pawnee State KS

Interval Tested 4307-4353 Zone Tested Miss, Miss Sykes

Anchor Length 46' Drill Pipe Run 4260 Mud Wt. 9.0

Top Packer Depth 4302 Drill Collars Run 31 Vis 46

Bottom Packer Depth 4307 Wt. Pipe Run ~~0~~ WL 9.6

Total Depth 4353 Chlorides 3500 ppm System LCM 1.5#

Blow Description IF- Fair building blow. BOB in 7 minutes 20 seconds.
ISI- Return @ 45 seconds. Built to 4 inches.
FF- Strong- Fair Building blow. BOB in 5 minutes.
FSI- Return @ 30 seconds. Built to 1 1/2 inches

Rec 558	Feet of O/G/M	45 %gas	50 %oil	%water	5 %mud
Rec 217	Feet of O/M/G	10 %gas	50 %oil	%water	40 %mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of 310' G.I.P.	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 775 BHT 121 Gravity 40 API RW @ °F Chlorides ppm

(A) Initial Hydrostatic 2157	☑ Test 1225	T-On Location 1145
(B) First Initial Flow 112	☑ Jars 250	T-Started 1335
(C) First Final Flow 198	☑ Safety Joint 75	T-Open 1512
(D) Initial Shut-In 1210	☐ Circ Sub	T-Pulled 1745
(E) Second Initial Flow 256	☐ Hourly Standby	T-Out 2015
(F) Second Final Flow 323	☑ Mileage 60x2 150	Comments
(G) Final Shut-In 1154	☐ Sampler	
(H) Final Hydrostatic 2072	☐ Straddle	☐ Ruined Shale Packer
	☐ Shale Packer	☐ Ruined Packer
Initial Open 30	☐ Extra Packer	☐ Extra Copies
Initial Shut-In 45	☐ Extra Recorder	Sub Total 8
Final Flow 30	☐ Day Standby	Total 1700
Final Shut-In 45	☐ Accessibility	MP/DST Disc't
	Sub Total 1700	

Approved By Our Representative D. Rath