

Onondaga B-84

WELL SUMMARY

GENERAL INFORMATION

D #	373
Company	Shell Canada
Location	43° 43' 08.92" N 60° 12' 41.51" W
UWI	300B844350060000
Area	Scotian Shelf
Spud Date	November 17, 2001
Well Term. Date	May 12, 2002
Drilling Rig	Galaxy II
Total Depth MD (m)	5,019
Water Depth (m)	59.7
Rotary Table (m)	45.7
Well Type	Exploration
Classification	Gas Well
Well Status	P&A
Info. Release Date	Released

CASING:

Size x Depth (metric)	Size x Depth (imperial)
762 mm x 301 m	30" x 987'
508 mm x 605 m	20" x 1,984.9'
346 mm x 2,634 m	13 ^{5/8} " x 8,641.7'
Sidetrack (3,890m)	Sidetrack (12,762.4')
273 x 251 mm x 4,135 m	10 ^{3/4} " x 9 ^{7/8} " x 13,566.2'
4,466 m TD original hole	14,652' (TD original hole)
177.8 mm x 4,466 m (liner)	7" x 14,652.2' (liner)

GEOLOGIC TOPS (m):

Formation/ Member	Depth (m)
Banquereau Fm	280.0
Wyandot Fm	1,372.0
Dawson Canyon Fm	1,457.0
Petrel Mb	1,491.0
Logan Canyon Fm	1,531.0
Logan Canyon Fm (upper)	1,531.0
Sable Shale Mb	1,761.0
Logan Canyon Fm (lower)	1,898.0
(Naskapi Shale)	2,594.0
Missisauga Fm	2,768.5
(C10 Shale)	3,085.0
(C10 Sand)	3,234.0
(C7 Shale – O Marker)	3,287.0
(C7 Sand)	3,505.0
(C6 Shale)	3,622.0
(C6 Sand)	3,802.0

(Top of Overpressure)	4,011.0
(C5 Shale)	4,086.0
(C 5.7 Seismic Marker)	4,259.0
(C 5.6 Seismic Marker)	4,398.0
(C 5.4 Shale)	4,496.0
(C 5.5 Seismic Marker)	4,568.0
(C 5.4 Seismic Marker)	4,655.0
(C 5.3 Seismic Marker)	4,856.0
(C 5.2 Seismic Marker)	4,970.0

Note: Geological Tops as picked by CF Consultants Ltd.

ADDITIONAL REPORTS AND LOGS:

End of Well Report

Geological Report -

(Deviation Survey, Bit Record, Daily Drilling Chronology, Gas/MDT Data and Sidewall Core Report)

Dipole Shear Sonic Coherence Plots, Final Print Run 4

EMS 6-Arm Caliper Cement Volume Log, Final Print Run 1

Compensated Neutron Lithology Density, Final Print Run 2

6-Arm Caliper Log, Final Print Run 2

Dipole Shear Sonic Coherence Plots, Run 2

Modular Dynamics Formation Tester, Final Print Run 2

Oil Base Dipmeter, Final Print Run 4

Dipole Shear Sonic Compressional & Shear Data, Final Print Run 1

Dipole Shear Sonic Compressional & Shear Data, Final Print Run 2

Modular Dynamics Formation Tester PS-PS-HY-PO-LFA-SC-SC-MS-PC, Final Print Run 4

Compensated Neutron Lithology Density, Final Print Run 4

Pipe Recovery Services, Final Print Run 1

ARC Blended Attenuation 311mm Section Composite Log MD, Final Print Run 1

Modular Formation Dynamic Tester, Final Print Run 1

Fluid Compositional Analysis Appendix M

CSI Seismic Checkshots, Final Print Run 4

Vision Impulse ARC Resistivity 152mm Section Composite Log MD, Final Print Runs 23-26

Vision Services-ARC 406mm Section Composite Log, Final Print Runs 3-4

Vision Services-ISONIC 406mm section Composite Log, Final Print Run 3-4

Vision Services ISONIC 216mm Section Composite Log MD, Final Print Run 18-22

Vision ARC Blended Phase 216mm Section Composite Log MD, Final Print Run 18-22

Vision ARC Blended Attenuation 216mm Section Composite Log MD, Final Print Run 18-22

Vision Services-ISONIC 311mm Section Composite Log MD, Final Print Run 6-16

ARC Blended Phase 311mm Section Composite Log MD, Final Print Run 6-16

Oil Base Micro Imager, Final Print Run 1

Multifinger Caliper, Final Print Run 2

Array Induction, Final Print Run 2

Dipole Shear Sonic P&S and Lower Dipole Data, Final Print Run 4

Mechanical Sidewall Coring Tool, Final Print Run 4

Compensated Neutron Lithology Density, Final Print Run 1

Array Induction, Final Print Run 1

Mechanical Sidewall Coring Tool, Final Print Run 1

Dipole Shear Sonic Coherence Plots, Final Print Run 1

Vision Azimuthal Density Neutron 152mm Section Composite Log MD Final Print

Surface, MWD and PWD Data Log Scale: 1:1200 Interval 300m-4300m

Surface, MWD and PWD Data Log Bypass #1 Scale: 1:1200 Interval 3900m-5000m

Pressure Data Log Scale: 1:3000 Interval 3700m-4700

Pressure Data Log Bypass #1 Scale: 1:3000 Interval 400m-4000m

Formation Evaluation Log Scale: 1:600 Interval 300m-4300m

Formation Evaluation Log Bypass #1 Scale: 1:600 Interval 3900m-5000m
Drilling Data Log Bypass #1 Scale: 1:1200 Interval 3900m-5000m
Drilling Data Log Scale: 1:1200 Interval 300m-4300m
Final Well Report (Mud Report)
Pressure Evaluation Log Bypass #1 Scale 1:3000 Interval 400m-4600m
Drilling Data Log Bypass #1 Scale 1:1200 Interval 300m-5020m
Formation Evaluation Log Bypass #1 Scale 1:600 Interval 300m-5020m
Surface, MWD, and PWD Data Log Bypass #1 Scale 1:1200 Interval 300m-5020m
Biostratigraphic Report
Geological Strip Log