CANADA-NOVA SCOTIA
OFFSHORE PETROLEUM BOARD

GEOLOGICAL & GEOPHYSICAL

INFORMATION AVAILABLE

ON

CALL FOR BIDS NS09-1

December 2009

BOARD INFORMATION

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Introduction

This publication contains lists of released geological and geophysical reports available from the Canada-Nova Scotia Offshore Petroleum Board ("CNSOPB" or the "Board") for the Call for Bids NS09-1 area (see Figure 1a) in the Nova Scotia offshore.

Additional information may be obtained from the CNSOPB's "Information on Well Data, Geologic Data, Geophysical Data and Land Rights", January 2001.

A. Disclosure of Technical Data

Sections 122 and 121 respectively of the federal and provincial legislation deal with the confidentiality and disclosure of information provided for purposes of the legislation.

Information or documentation in respect of an exploratory well is held confidential for 2 years following the well termination date. The following confidentiality period for delineation well is 2 years following the termination date of the discovery well on the same prospect, or 90 days following the well termination date of the delineation well, whichever is longer. For a development well, the confidentiality period is 2 years following the termination date of the discovery well on the same prospect, or 60 days following the termination date of the development well, whichever is longer. General information on a well, including its name, operator, classification, location, identity of the drilling unit, depth, and operation status of the drilling program may be obtained from the Board on a current basis.

Information or documentation in respect to non-exclusive geophysical work is held confidential for at least 10 years following the completion date of the work. The geophysical regulations define a non-exclusive survey as a geophysical operation that is conducted to acquire data for the purpose of sale, in whole or in part, to the public.

Information and documentation in respect to exclusive geological or exclusive geophysical work is held confidential for a period of 5 years following the completion date of the work. The date of completion is considered to occur 6 months after the field program is terminated. Operators are required to submit comprehensive reports on each program in the offshore area. These reports, together with associated items such as interpretative maps, seismic sections, well logs, cores, cuttings, fluid samples and paleontological materials derived from such programs are held confidential for the requisite period, then released for public examination.

The completeness and quality of reports vary depending on operator and the program vintage.

B. Explanation of Program Numbers for Geological and Geophysical Programs

Released geological, geophysical and related reports are listed alphabetically by program number and company code. Upon approval of an application to conduct a geophysical or geological program, a unique program number is assigned to the project by the regulator. For programs completed prior to January 1990 this number was assigned by the federal Department of Energy, Mines and Resources (EMR). The number is coded to contain;

- the geographic region to which the program relates;
- the type of geophysical or geological work proposed;

- the company operating the program; and
- the sequential number of that type of program operated by that company.

For example, a typical program number for offshore Nova Scotia could be 8624-M003-044E. It follows the format ABCD-EFGH-IJKL, each sequence of letters corresponding to an alphanumeric code:

- **AB** (86 in example) identifies an east coast offshore exploration program approved prior to 1990. **NS** identifies an offshore Nova Scotia program completed after January, 1990 and approved by the Canada-Nova Scotia Offshore Petroleum Board.

- **CD** (24 in the example) identifies the type of geological/geophysical work where:
  20-combined geophysical Survey
  21-aeromagnetic survey
  23-seafloor gravity survey
  24-seismic reflection survey
  25-seismic refraction survey
  26-shallow seismic, seabed survey
  27-(re)processing, (re)interpretation
  30-combined geological program etc.

EFGH (M003 in the example) identifies the operator or company code where:

A004 Amoco
A012 Austin Exploration
A024 Amoco Production Co.
B003 B. P. O. P
B011 Bow Valley
C002 Canadian Export Oil & Gas
C004 Chevron Canada
C012 Canadian Reserve Oil & Gas
C015 Caravel/Catalina Exploration
C020 Canadian Superior
C033 Canadian Ashland Exploration
C034 Central Del-Rio Oils
C039 Cavalier Energy Inc.
C055 Canterra
D001 Digicon Exploration
D003 Dome Petroleum
D004 Delta Exploration
D009 Dome Canada
E006 Exxon
E040 ExxonMobil Canada Properties
G001 Gulf Canada Resources
G005 Geophysical Service Inc.
G011 Geophoto services
G014 Great Plains Development
G020 Gebco (US) Inc.
G026 Geco Geophysical Canada Ltd.
G041 Government of Canada
G065 Geco-Prakla

G075 GX Technology
H005 Home Oil
H006 Husky Oil Operations Ltd.
H007 Hudson's Bay Oil & Gas
J001 Esso Resources
J008 ICG Resources
L023 LASMO Nova Scotia Limited
K006 Kerr, J. William & Associates
M003 Mobil Oil Canada
M006 Murphy Oil
M013 McDermott, J. R
N005 Norcen Energy Resources
N011 Nova Scotia Resources Limited
O011 Onaping Resources Limited
P003 Pancanadian Petroleum Ltd.
P011 Pacific Petroleums
P028 Petro-Canada
R005 Robertson Research - N. America
S001 Seibens Oil & Gas
S003 Shenandoah Oil
S006 Shell Canada Resources
S008 Sun Oil
S009 Scurry-Rainbow Oil
S014 SOQUIP
S016 Sultan Exploration
S024 Seiscan Delta
S047 Simin Expl. Consultants Ltd.
T007 Texaco Canada
T013 Transalta Oil & Gas
T021 Texaco Canada Resources
T036 Teknica Resource Dev.
T063 TGS-NOPEC Geophysical Company
U003 Union Oil
V001 Voyager Petroleums
V003 Veritas Seismic
W006 Western Decalta
W013 Western Geophysical
W030 Western-Geo Canada

- **IJK (044E in the example) is the program type where:**
  - E - exclusive program
  - P - participation or speculative program
  - DT - data trade
  - DA - data acquisition

Therefore, the program number 8624-M003-044E indicates the 44th seismic reflection survey in the East Coast Offshore Region conducted exclusively for Mobil, and carried out prior to January, 1990.

C. Explanation Concerning Interpretation of Geologic Tops:

For all wells drilled prior to 1988 (D#1-124 inclusive), the geologic tops are sourced from the following publication: MacLean, B.C., and Wade, J.A., 1993: *Seismic Markers and Stratigraphic Picks in the Scotian Basin Wells.* East Coast Basin Atlas Series, Geological Survey of Canada, 276p. Tops data for all subsequent wells (D#125 onwards) are sourced from the respective companies' well history and related reports that are identified below each table.

Detailed information on all Scotian Basin stratigraphic units can be found in the following publication: Williams, G.L., Fyffe, L. R., Wardle, R. J., Colman-Sadd, S.P., and Boehner, R. C., 1985: *Lexicon of Canadian Stratigraphy Volume VI - Atlantic Region.* Canadian Society of Petroleum Geologists, Calgary, 572p.

1. Call For Bids NS09-1

Parcel 1 **Southern Block** (Search Co-ordinates)

N. Latitude	43.91	S. Latitude	43.66
W. Longitude	-60.27	E. Longitude	-59.75

Program Number	Location Map
8620-H006-002E	Figure 01
8620-H006-007E	Figure 02
8620-H006-008E	Figure 03
8620-H006-009E	Figure 04
8620-J008-001E/002E	Figure 05
8620-M003-022E	Figure 06
8620-S006-009E	Figure 07
8620-S014-006E	Figure 09
8620-S024-001P	Figure 10
8624-B011-004E	Figure 11
8624-C020-001E	Figure 12
8624-G005-007P	Figure 13
8624-G005-008P	Figure 14
8624-H006-004E	Figure 15
8624-H006-007E	Figure 16
8624-H006-010E	Figure 17
8624-M003-033E	Figure 20
8624-M003-044E	Figure 22
8624-M003-049E	Figure 25
8624-N005-002E	Figure 26
8624-S006-005E/006E	Figure 29
8624-S006-008E	Figure 30
8624-S006-020E	Figure 31
8624-S006-023E	Figure 32
8624-S006-027E	Figure 33
8624-S006-033E	Figure 34
8624-S006-035E	Figure 35
8624-S006-037E	Figure 36
8624-S006-043E	Figure 37
8624-W013-001P	Figure 38
8624-W013-002P	Figure 39
NS24-L023-004E	Figure 42
NS24-M003-001E	Figure 43
NS24-M003-003E	Figure 44
NS24-M003-006E	Figure 45
NS24-M003-007E	Figure 46
NS24-M003-009E	Figure 47
NS24-M003-010E	Figure 48

2. Call For Bids NS09-1

Parcel 2 **Northern Block** (Search Co-ordinates)

N. Latitude	44.08	S. Latitude	43.85
W. Longitude	-60.50	E. Longitude	-59.68

Program Number	Location Map
8620-J008-001E/002E	Figure 05
8620-M003-022E	Figure 06
8620-N011-001E	Figure 08
8620-S014-006E	Figure 09
8620-S024-001P	Figure 10
8624-B011-004E	Figure 11
8624-C020-001E	Figure 12
8624-G005-007P	Figure 13
8624-M003-010E	Figure 18
8624-M003-025E	Figure 29
8624-M003-033E	Figure 20
8624-M003-035E	Figure 21
8624-M003-044E	Figure 22
8624-M003-045E	Figure 23
8624-M003-047E	Figure 24
8624-M003-049E	Figure 25
8624-N005-002E	Figure 26
8624-P028-072E	Figure 27
8624-P028-073E	Figure 28
8624-S006-020E	Figure 31
8624-S006-023E	Figure 32
8624-S006-027E	Figure 33
8624-S006-033E	Figure 34
8624-S006-037E	Figure 36
8624-S006-043E	Figure 37
8624-W013-002P	Figure 39
NS24-G005-004P	Figure 40
NS24-G005-007P	Figure 41
NS24-L023-004E	Figure 42
NS24-M003-001E	Figure 43
NS24-M003-003E	Figure 44
NS24-M003-006E	Figure 45
NS24-M003-007E	Figure 46
NS24-M003-009E	Figure 47
NS24-M003-010E	Figure 48

Well Summaries Parcels 1 and 2

Adamant N-97

WELL SUMMARY

GENERAL INFORMATION

D #	369
Company	Mobil et al
Location	43^{0}56'48.08"N 60^{0}14'27.66"W
UWI	300N974400060000
Area	Scotian Shelf
Spud Date	November 5, 2000
Well Term. Date	February 1, 2001
Drilling Rig	Galaxy II
Total Depth (m)	4,708
Water Depth (m)	16.9
Rotary Table (m)	48.7
Well Type	Exploration
Classification	Gas Show
Well Status	P&A
Info. Release Date	Released

CASING:

Size x Depth (metric)	**Size x Depth (imperial)**
914 mm x 245.9 m	30" x 806.7'
473 mm x 802.9 m	20"x 2,634.1'
340 mm x 3,415.3 m	13 3/8" x 11,204.1'

GEOLOGIC TOPS (m):

Formation / Member	**Depth (m)**
Banquereau Fm	1,183.9(bottom)
Wyandot Fm	1,183.9
Dawson Canyon Fm	1,264.8
Logan Canyon Fm	1,552
Naskapi Mb	2,510
Missisauga Fm	2,693.4
Mic Mac Fm	4,201.1

ADDITIONAL REPORTS AND LOGS:

End of Well Report
Free Point Survey, Run 2 Field Print
Reservoir Saturation, Run 2 Field Print
Dipole Shear Sonic Imager Final Print MD
Array Induction AIT Final Print
Compensated Neutron-Lithology Density, Final Print Run 1
6-Arm Caliper Cement Volume Log, Final Print Run 1
Compensated Neutron Lithology Density, Final Print Run 2B
EMS 6 Arm Caliper, Final Print Run 2A
Dipole Sonic Imager Coherence Plots, Final Print Run 2A

Array Induction, Final Print Run 2A
Dipole Sonic Imager Compr. and Shear Data, Final Print Run 2A
Mechanical Sidewall Coring Log, Final Print Run 2
Composite Array Induction Tool TVD, Run 1 & 2
Composite Compensated Neutron Litho-Density Log TVD, Run 1
Composite Dipole Shear Sonic Imager TVD, Run 1
Modular Dynamic Formation Tester PS-PS-HY-FA-FC-PO-SC-MS-P, Run 2
Well Seismic Report
VSP Composite Display
VSPZ-Axis Processing Steps
Modular Formation Dynamics Tester Report Final Print
Core Analysis Report
Pore Pressure Hind-Cast Study
Physical Oceanographic Data Report: Wave Data
Core Laboratories Reservoir Fluids Report
Sample Log
Formation Evaluation Log
Surface, MWD and PWD Data Log
Pressure Data Log
Drilling Data Log
Final Recorded Mode, Annular PWD, Recorded Drilling Mechanics Log, Run 8
Final Recorded Mode, Annular PWD, Recorded Drilling Mechanics Log, Run 9
Final Recorded Mode, Annular PWD, Recorded Drilling Mechanics Log, Run 11
Final Recorded Mode, Array Resistivity Compensated MD, 2 Mhz Detail
Final Recorded Mode, Array Resistivity Compensated TVD, 2 Mhz Detail
Final Recorded Mode, Array Resistivity Compensated MD, 400 Khz Detail
Final Recorded Mode, Array Resistivity Compensated TVD, 400 Khz Detail
MWD PowerPulse Drilling Mechanics Log, MWD Run 1
MWD PowerPulse Drilling Mechanics Log, MWD Run 2
MWD PowerPulse Drilling Mechanics Log, MWD Run 3
MWD PowerPulse Drilling Mechanics Log, MWD Run 4
MWD PowerPulse Drilling Mechanics Log, MWD Run 5
MWD PowerPulse Drilling Mechanics Log, MWD Run 6
Annular PWD, Drilling Mechanics Log, MWD Run 7
Annular PWD, Drilling Mechanics Log, MWD Run 10
Final Realtime, Annular PWD, Realtime Drilling Mechanics Log
Forecast Verification Report
2000/2001 Meteorological Summary Report
Dual CSI-VSP Monitor Log
Borehole Seismic Report

SAMPLES

SAMPLE TYPE	**Interval (m)**	**# of Samples**
Washed Cuttings	820 – 4,705	707
Unwashed Cuttings	820 – 4,705	707
Sidewall Core	3,467 – 4,146	47
Canned Cuttings	820 – 3,420	246

Chebucto K-90

WELL SUMMARY

GENERAL INFORMATION

D #	242
Location	43°39'44.74" N 59°42'52.05" W
Company	Husky Bow Valley
UWI	300K904340059300
Area	Scotian Shelf
Spud Date	January 6, 1984
Well Term. Date	August 2, 1984
Drilling Rig	Bow Drill II
Water Depth (m)	109
Rotary Table (m)	22.8
Total Depth MD (m)	5,235
Well Type	Exploration
Classification	Gas Well
Well Status	P&A
Info. Release Date	Released

CASING:

Casing Size x Depth (metric)	Casing Size x Depth (imperial)
762 mm x 396.2 m	30" x 1,299.8'
508 mm x 922.3 m	20" x 3,025.9'
340 mm x 3,408.0 m	13 3/8" x 11,181'
244 mm x 3,713.4 m	9.6" x 12,183'
178 mm x 4,807.3 m	7" x 15,771'

WELL TEST SUMMARY

Type /Test #	Interval (m)	Recovery	Flow Rate	Remarks
DST #1	4,609 – 4,621	water cushion		0.5m^3 recovered
DST #2	4,287 – 4,299	water cushion		0.3m^3 recovered
DST #3	4,262 – 4,276	gas	4,019 m^3/d	
		water	274.7 m^3/d	
DST #4	4,22 7 – 4,238	gas	4,16010 m^3/d	
		water	226.6 m^3/d	
		condensate	14 m^3/d	
DST #5	4,166 – 4,177	water cushion	0.3 m^3/d	
DST #6	3,866 – 3,877	water	40 m^3/d	
DST #7	3,798 – 3,815	gas	585,810 m^3/d	
		water	80 m^3/d	
		condensate	25.3 m^3/d	
DST #8	3,352 – 3,357	-		misrun

DST #8A	3,352 – 3,357	gas	217,910 m^3/d
		water	6.0 m^3/d
		condensate	8.9 m^3/d

GEOLOGIC TOPS :

Formation / Member	**Depth (m)**
Banquereau Fm	1,770.5 (bottom)
Wyandot Fm	1,770.5
Dawson Canyon Fm	1,911.4
(?Unconformity)	1,990.0
Logan Canyon Fm	2,025.4
Marmora Mb	2,025.4
Sable Mb	2,482.5
Cree Mb	2,642.5
Naskapi Mb	3,920.0
Approx. top of OP	4,180.0

ADDITIONAL REPORTS AND LOGS:

Well History Report
Depth Derived Borehole Compensated Sonic Log, Run 1-5
Dual Laterolog Micro SFL, Run 1
Four-Arm High Resolution Continuous Dipmeter (Computed), Run 1-3
Directional Log (Computed), Run 1-3
Repeat Formation Tester, Run 1 & 2
Cement Bond-Variable Density Log, Run 1
Dual Induction-SFL, Run 1-5
Plan & Field Notes
Mud-Gas Log
Composite Geological Well Data Log
DST Fluid Analysis
Vertical Seismic Profile
Well Seismic Report
GMA Stratigraphic Modeling System (Mylar Sheet)
Four-Arm High Resolution Continuous Dipmeter, Run 1-3
Depth Derived Borehole Compensated Sonic Log (Reduced Mylar)
Dual Laterolog Micro SFL (Reduced Mylar)
Dual Induction-SFL (Reduced Mylar)
Completion Record, Run 1
Cement Evaluation Log, Run 1
Natural Gamma Ray Spectroscopy Log, Run 1 & 2
Cyberlook Field Log, Run 2
Cyberlook Field Log, Run 4
Cyberlook Field Log, Run 5
Cyberdip Field Log, Run 4
Lithology Quick-look Field Log, Run 2,
Lithology Quick-look Field Log, Run 4
Core Sample Taker Results, Run 1 & 2
Cement Volume Log, Run 1-3
Simultaneous Compensated Neutron-Litho Density, Run 1-3
Directional Survey, Run 1-3
Horizontal Plot

Plan and Field Notes
High Resolution Dipmeter Cluster Listing, Run 1
Core Analysis
Core Photo's (Slabbed), Core 1
Well Test Analysis
Well Seismic Report
Biostratigraphy Report
Summary of Age Determinations & Lithostratigraphy
Simultaneous Compensated Neutron-Litho Density (Reduced Mylar)
Bow Drill II
Four-Arm High Resolution Continuous Dipmeter Run 1-3

SAMPLES

SAMPLE TYPE	**Interval (m)**	**# of Samples**
Washed Cuttings	420 – 5,234	906
Unwashed Cuttings	420 – 5,234	903
Sidewall Core	314.8	1
Canned Cuttings	420 – 5,234	903

Slides:	**Interval (m)**	**# of Samples**	**Sample Source**
Micropaleo slides	415 – 1,120	24	cuttings
Micropaleo slides	1,140 – 5,234	138	cuttings
Micropaleo slides	420 – 5,234	254	company cuttings
Palynology slides	969 – 5,217	47	company sidewall core
Palynology slides	440 – 5,234	213	cuttings
Palynology slides	420 – 5,235	464	company cuttings
Palynology slides	4,278.6 – 4,287.0	9	company core

Core:	**Interval (m)**	**Recovery**
Core #1	4,278.4 – 4,286.5	8.15 m

Recovered Fluids:

Test #	**Interval (m)**	**Recovery**	**Recovered from**
DST #4, Zone 4		condensate	stocktank
DST #7, Zone 9		condensate	separator
DST #8A, Zone 11		condensate	high stage separator
DST #7, Zone 9		water	stocktank
DST #8A, Zone 11		water	high stage separator

Cohasset L-97

WELL SUMMARY

GENERAL INFORMATION

D #	177
Company	Mobil et al
Location	$43^0$56'37.19" N $60^0$29'58.55" W
UWI	300 L97 44000 60150
Area	Scotian Shelf

Spud Date	July 13, 1978
Well Term. Date	November 13, 1978
Drilling Rig	Gulftide
Total Depth (m)	4,872
Water Depth (m)	21.6
Rotary Table (m)	32.9
Well Type	Exploration
Classificaiton	Gas Show
Well Status	P&A
Info. Release Date	Released

CASING:

Size x Depth (metric)	**Size x Depth (imperial)**
762 mm x 181 m	30"x 594'
508 mm x 298 m	20"x 978'
340 mm x 1,121 m	13 3/8"x 3,678'
244 mm x 3,163 m	9 5/8"x 10,378'
178 mm x 3,055 - 4,176 m (liner)	7 " x 10,023' – 14,491.5'

WELL TEST SUMMARY

Type /Test #	**Interval (m)**	**Recovery**	**Flow Rate / Amount**	**Remarks**
DST #1	4,020 – 4,028	-	-	misrun
DST #1A	4,020 – 4,028	-	-	misrun
DST #2	3,600 – 3,620	watery mud, gas cut	16 bbls	weak air flow
DST #2A	3,600 – 3,620.4	oil	166.9 m^3/d	52.9 API
Acid Treatment	3,600 – 3.620.4	24% HCL	2,000 gal	
DST #2B	3,600 – 3,620.4	mud	-	
		salt water	27 bbls	33,000 – 73,000 ppm Cl

GEOLOGIC TOPS (m):

Formation/Member	**Depth MD (m)**
Banquereau Fm	979 (bottom)
Wyandot Fm	979
Dawson Canyon Fm	1,034.5
Petrel Mb	1,152
Logan Canyon Fm	1,245.5
Marmora Mb	1,245.5
Sable Mb	1,483.0
Cree Mb	1,590.6
Naskapi Mb	2,109.4
Missisauga Fm	2,219.8
(Upper)	2,219.8
("O"Marker)	2,401.0
(Middle)	2,575.0
(Missisauga Lower)	2,967.0
Abenaki Fm	3,185.0

Baccaro Mb	3,185.0
Misaine Mb	4,417.0
Scatarie Mb	4,558.0
Mohican Fm	4,768.0

ADDITIONAL REPORTS AND LOGS:

Well History Report
Borehole Compensated Sonic Log, Run 1-4
Bit Penetration Record ("d" exponent, Mud Weight, etc.)
4-Arm High Resolution Continuous Dipmeter (Computed), Run 1 & 2
Proximity Microlog Caliper, Run 1 & 2
Simultaneous Compensated Neutron Formation Density, Run 1 & 2
Mud History Log
Directional Survey/Dipmeter Cluster Calculation Listing
Drilling Record (Mud & Chemicals Used etc.)
Directional Log (Computed), Run 1 & 2
Dual Induction Laterolog, Run 1 -4
Completion Record
Repeat Formation Tester, Run 1
Caliper, Run 1
Cement Bond Variable Density Log, Run 1
Compensated Neutron Log, Run 3
Formation Testing Test 1
Formation Testing Test 1a
Formation Testing Test 2
Formation Testing Test 2a
Formation Testing Test 2b
Core Analysis Report
C15+ Hydrocarbon Analysis
Seismic Velocity Survey and Log Calibration

SAMPLES

Sample Type	**Interval (m)**	**# of Samples**	**Remarks**
Washed Cuttings	310 – 4,875	801	vials
Unwashed Cuttings	310 – 4,875	805	bags
Canned Cuttings	590 – 4,870	424	bags (dried)
Sidewall Core	1,246.6 – 3,172.4	105	vials

Core

Core #	**Interval (m)**	**Recovered (m)**	**Sample Source**
1	3,406.44 – 3,424.79	17.7	

Emma N-03

WELL SUMMARY

GENERAL INFORMATION

D #	D365
Location	$44^0$02'47.78" N $60^0$00'53.78" W

Company	Mobil Oil
UWI	300N034410060000
Area	Scotian Shelf
Spud Date	August 2, 2000
Well Term. Date	November 1, 2000
Drilling Rig	Galaxy II
Water Depth (m)	50.6
Rotary Table (m)	45.7
Total Depth MD (m)	4,600
Well Type	Exploration
Classification	Dry
Well Status	P&A
Info. Release Date	Released

CASING:

Casing Size x Depth (metric)	**Casing Size x Depth (imperial)**
914 mm x 268 m	36" x 879.2'
473 mm x 650.1 m	18 5/8" x 2,132.8'
339.7 mm x 3,346.4 m	13 5/8" x 10,979.0'

GEOLOGIC TOPS :	**MD (m)**
Banquereau Fm	329
Wyandot Fm	1,172
Dawson Canyon Fm	1,241
Petrel Mb	1,332
Logan Canyon Fm	1,477
Sable Shale	1,753
Naskapi Shale	2,500
Missisauga Fm	2,631
Missisauga Fm (Upper)	2,631
("O" Marker)	2,877
Missisauga Fm (Middle)	2,921
Missisauga Fm (Lower)	3,207
(C6 to C5 Sand Sequence)	3,207
(C5 to C1 Sand Sequence)	3,490
Mic Mac Fm	3,669
(C1 to J201 Sequence)	3,669
(J201 to J205 Sequence)	3,749
(J205 to J203 Sequence)	3,888
(J203 to J200 Sequence)	3,937
(J200 to J198Sequence)	3,973
(J198 to J195 Sequence)	4,137
(J195 to TD)	4,250

Note: Geologic tops as interpreted by Baker Hughes

ADDITIONAL REPORTS AND LOGS:

Well History Report
Array Induction Final Print Run 1
Cement Volume Log 6-Arm Caliper Final Print Run 1
Compensated Neutron Lithology Density Final Print Run 1
Borehole Compensated Sonic Final Print Run 1
Modular Dynamic Tester PS-PS-FA-PO-SC-SC-MS Pressure Test Data Final Print
Dipole Shear Sonic Coherence Plots, Final Print Run 2B

Modular Dynamic Tester PS-PS-FA-PO-SC-SC-MS Sampling Data Final Print
Array Induction, Final Print Run 2C
Core Analysis Report
Core Analysis Report (Sidewall Core)
Cement Volume 6-Arm Caliper, Final Print Run 2B
Compensated Neutron-Lithology Density, Final Print Run 2A
Dipole Shear Sonic Comp. & Shear Data, Final Print Run 2B
Mechanical Sidewall Coring, Final Print Run 2E
Digital Imaging White Light Matching Photography
Digital Imaging X-Radiography at 0°
Modular Formation Dynamics Tester Report
Side Wall Core Descriptions
Compositional Analyses
Well Seismic Report - Log
Dual CSI-VSP Monitor Log, Final Print Run 2F
Dual CSI-VSP Monitor Log, Final Print Run 2H
Z-Axis Processing Steps
Composite Display
Well Seismic Report
Sample Log
Surface, MWD, and PWD Data Log
Drilling Data Log
Formation Evaluation Log
Pressure Data Log
Recorded Mode Compensated Dual Resistivity, (MD), Runs 11-18
MWD Power Pulse, Real Time Drilling Mechanics Log, (Run 1, BHA 1)
MWD Power Pulse, Real Time Drilling Mechanics Log, (Run 2, BHA 2)
MWD Power Pulse, Real Time Drilling Mechanics Log, (Run 3, BHA 3)
MWD Power Pulse, Real Time Drilling Mechanics Log, (Run 4, BHA 4)
MWD Power Pulse, Real Time Drilling Mechanics Log, (Run 5, BHA 5)
MWD Power Pulse, Real Time Drilling Mechanics Log, (Run 6, BHA 6)
MWD Power Pulse, Real Time Drilling Mechanics Log, (Run 7, BHA 8)
MWD Power Pulse, Real Time Drilling Mechanics Log, (Run 8, BHA 9)
MWD Power Pulse, Real Time Drilling Mechanics Log, (Run 9, BHA 10)
MWD Power Pulse, Real Time Drilling Mechanics Log, (Run 10, BHA 11)
Annular PWD Recorded Drilling Mechanics Log, (Run 11, BHA 13)
Annular PWD Recorded Drilling Mechanics Log, (Run 12, BHA 15)
Annular PWD Recorded Drilling Mechanics Log, (Run 13, BHA 16)
Annular PWD Recorded Drilling Mechanics Log, (Run 14, BHA 17)
Annular PWD Recorded Drilling Mechanics Log, (Run 15, BHA 18)
Annular PWD Recorded Drilling Mechanics Log, (Run 16, BHA 20)
Annular PWD Recorded Drilling Mechanics Log, (Run 17, BHA 21)
Annular PWD Recorded Drilling Mechanics Log, (Run 18, BHA 22)
Forecast Verification Report
2000 Meteorological Summary Report
Physical Oceanographic Data Report Current Data
Physical Oceanographic Data Report Wave Data
Petrographic Evaluation of Selected Sandstone Sidewall Conventional Core Specimens From Eastern Canada
A Petrographic and Reservoir Quality Study of Twelve Sandstone Samples from Various Depths at Mobil et al

SAMPLES

Sample Type	**Interval (m)**	**# of Samples**
Washed Cuttings	655 – 4,600	734
Unwashed Cuttings	655 – 4,600	734
Sidewall Core	3,390 – 4,585	38

Core

Core #	Interval (m)	Recovered
1	3,752.0 – 3,779.1	27.1

Recovered Fluids

Recovered from	Interval	Fluid Recovered
J205-J203 Sequence		Condensate Filtrate Mix

Glenelg E-58 / 58A

WELL SUMMARY

GENERAL INFORMATION

D #	256
Company	Shell / PCI et al
Location	$43^0$37'17.51"N $60^0$08'51.63" W
UWI (E-58)	300E584340060000
(E-58A)	300E584340060001
Area	Scotian Basin
Spud Date	July 7, 1984
Well Term. Date	October 20, 1984
Drilling Rig	Sedco 709
Total Depth (m)	4,192
Water Depth (m)	79
Rotary Table (m)	24
Well Type	Delineation
Classification	Gas Well
Well Status	P&A
Info. Release Date	Released

CASING:

	Size x Depth (metric)	Size x Depth (imperial)
E-58	762 mm x 182 m	30" x 597'
	340 mm x 534 m	13 3/8" x 1,751.9'
	244 mm x 2,118.7 m	9 5/8" x 6,951.1'
E-58A	177.8mm x 4,170 m	7" x 13,681.1'

WELL TEST SUMMARY

Type /Test #	Interval (m)	Recovery	Flow Rate / Amount
#1	3,702 – 3,713	gas	662,220 to 336,770 m^3/d
		condensate	61.5 m^3/d
#2	3,567 – 3,578	gas	311,580 – 251,870 m^3/d
		condensate	trace amt

Note: The above tests were run on E-58A. No tests were carried out on E-58

GEOLOGIC TOPS (m):

Formation / Member	
Banquereau Fm	1,581.5 (bottom)
Wyandot Fm	1,581.5
Dawson Canyon Fm	1,691.0
Petrel Mb?	1,794.8
Logan Canyon Fm	1,829.0
Marmora Mb	1,928.0
Sable Mb	1,962.0
Cree Mb	2,248.1
Naskapi Mb	3,102.5
Missisauga Fm	3,364.0
(Upper)	3,364.0
(“O”Marker)	4,093.0
(Middle)	4,097.0

ADDITIONAL REPORTS AND LOGS:

Well History Report
Core Analysis E-58
Core Analysis E-58A
Mudloggers Report
Plan and Field Notes
Well Seismic Results (E-58), Run 1 & 2
Well Seismic Results (E-58A), Run 1
Geochemical Summary
Core Photo's E-58 (Slabbed), Core 1-6
Core Photo's E-58A (Slabbed), Core 1
Mud/Gas Log
Correlation Coregraph
Transfer/Depletion of R. F. S. Chambers
Pressure Gauge DST: DST #1, Zone1 Gauge #99
Pressure Gauge DST: DST #1, Zone1 Gauge #296A
Pressure Gauge DST: DST #1, Zone1 Gauge #60A
Pressure Gauge DST: DST #1, Zone1 Gauge #147A
Pressure Gauge DST: DST #1, Zone1 Gauge #205 & 191
Pressure Gauge DST: DST #2, Zone2
Oil, Gas, and Water Analysis
Vertical Seismic Profile (E-58)
Vertical Seismic Profile (E-58A)
Micropaleontological, Palynological and Geochemical Summaries
Completion Record, Run 1
Simultaneous Compensated Neutron-Litho Density, 58 Run 1 & 2
Simultaneous Compensated Neutron-Litho Density,58A Run 1 & 2
Depth Derived Borehole Compensated Sonic Log, Run 1 & 2
Natural Gamma Ray Spectroscopy Log, Run 1
Core Sample Taker Results, Run 1 & 2
Core Sample Taker Results, Run 1
Cement Volume Log, Run 1 & 2
Cement Volume Log, Run 1
Four-Arm High Resolution Continuous Dipmeter (Computed), Run 1
Four-Arm High Resolution Continuous Dipmeter (Computed), Run 1 & 2
TVD Compensated Neutron-Litho Density, Run 1 & 2
TVD Borehole Compensated Sonic Log, Run 1 & 2
TVD Dual Induction, Run 1 & 2

Repeat Formation Tester, 58 Run 1
Repeat Formation Tester, 58A Run 1
Cement Bond-Variable Density Log, Run 1
Borehole Compensated Sonic Log, Run 1 & 2
Dual Induction, 58 Run 1 & 2
Dual Induction, 58A Run 1 & 2
Dual Induction (Reduced Mylar) 58
Dual Induction (Reduced Mylar) 58A
Borehole Compensated Sonic Log (Reduced Mylar)
Offshore Technical Log
High Resolution Dipmeter-Cluster Listing E-58A 22-Sept-84
High Resolution Dipmeter-Cluster Listing E-58A 28-Sept-84
Formation Resistivity Factor (FRF) Report
Well Seismic Results (E-58), Run 1 & 2
Well Seismic Results (E-58A), Run 1

SAMPLES

Glenelg E-58

Sample Type	**Interval (m)**	**# of Samples**	**Remarks**
Washed Cuttings	560 – 4,155	536	vials
Unwashed Cuttings	560 – 4,155	535	bags
Sidewall Core	552 – 4,125	187	vials
Canned Cuttings (dried)	560 – 4,140	319	bags

Core

Core #	**Interval (m)**	**Recovered (m)**
1	3,993.0 – 3,011.6	18.6
2	3,440.0 – 3,458.5	18.32
3	3,523.0 – 3,538.0	15.0
4	3,538.0 – 3,538.8	18.5
5	3,708.0 – 3,735.0	26.3
6	3,735.0 – 3,732.0	28.35

Slides	**Interval (m)**	**# of Slides**	**Sample Source**
Palynology slides	574.9 – 4,125.0	75	sidewall core
Palynology slides	3,003.45 – 3,753.62	13	core

Recovered Fluids

Test # /Type	**Interval (m)**	**Fluid Recovered**	**Recovered From**
DST #1, Zone 1	3,702 – 3,713		

Glenelg E-58A

Sample Type	**Interval (m)**	**# of Samples**	**Remarks**
Washed Cuttings	2,250 – 4,190	383	vials
Unwashed Cuttings	2,250 – 4,190	386	bags
Canned Cuttings (dried)	2,250 - 4,190	194	bags

Core

Core #	**Interval (m)**	**Recovered (m)**
1	3,731.0 – 3,758.5	27.5

Slides	Interval (m)	# of Slides	Sample Source
Palynology slides	3,708.0 – 3,906.0	3	cuttings
Palynology slides	3,746.6	1	core

Recovered Fluids

Test # /Type	Interval (m)	Fluid Recovered	Recovered From
DST #1, Zone 1	3,702 – 3,713	condensate	separator
DST #2. Zone 2	3,567 – 3,578	condensate	separator

Glenelg H-59

WELL SUMMARY

GENERAL INFORMATION

D #	384
Company	ExxonMobil
Location	$43^0$38'15.67" N $60^0$07'47.15" W
UWI	300H594340060000
Area	Scotian Shelf
Spud Date	January 19, 2003
Well Term. Date	March 17, 2003
Drilling Rig	Galaxy II
Total Depth (m)	4,116
Water Depth (m)	75.0
Rotary Table (m)	48.7
Well Type	Development
Classification	Gas Well
Well Status	P&A
Info. Release Date	Released

CASING:

Size x Depth (metric)	Size x Depth (imperial)
762 mm x 287.8 m	30" x 944.2'
340 mm x 1,660.9 m	13 $^{3/8}$" x 5,449.1'

GEOLOGIC TOPS (m):

Formation /Member	Depth MD (m)	Depth TVD (m)
Banquereau Fm	1,771 (bottom)	1,580
Wyandot Fm	1,771	1,580
Dawson Canyon Fm	1,942	1,702
Logan Canyon Fm	2,149	1,859
Sable Shale Mb	2,484	2,123
Naskapi Shale Mb	3,487	3,045
Missisauga Fm	3,750	3,306
(C30 FS (C29) sand)	3,750	3,306
(C29 FS (C28) sand)	3,761	3,317
(C28 FS (C27) sand)	3,791	3,347

(C27 FS (C26) sand)	3,833	3,390
(C26 FS (C25) sand)	3,851	3,407
(C25 FS (C24.5) sand)	3,859	3,416
(C24.5 FS (C24) sand)	3,864	3,421
(C24 FS (C23.5) sand)	3,881	3,437
(C23.5 FS (C23) sand)	3,911	3,467
(C23 FS (C22) sand)	3,931	3,487
(C22 FS (C21) sand)	3,979	3,535
(C21 FS (C21LS) sand)	4,005	3,561
(C21 FS (C20.5) sand)	4,032	3,589
(C20.5 FS (C20LS) sand)	4,035	3,591
(C20 SB (Base C20LS) sand)	4,093	3,650

Note: Geologic tops as interpreted by Baker Hughes

ADDITIONAL REPORTS AND LOGS:

Well History Report
Dipole Shear Sonic Coherence Plots Final Print Run 1
Dipole Shear Sonic P&S & Shear Data Final Print Run 1
Array Induction, Final Print Run 1
Natural Gamma Ray Spectroscopy, Final Print Run 2
Compensated Neutron Lithodensity Log, Final Print Run 2
EMS 6 Arm Caliper Cement Volume, Final Print Run 1
Oil Base Mud Imager, Final Print Run 1
Mechanical Sidewall Coring Tool, Final Print Run 4
Modular Dynamics Tester (Pressures), Final Print Run 3
Array Induction Log TVD, Final Print
Dipole Shear Sonic Imager TVD, Final Print
Compensated Neutron Density Log TVD, Final Print
Relabeled Dipole Shear Sonic Imager MD, Final Print
OBMI Image Plot
Tadpole Plot
Core Photos
Core Analysis Report
Sidewall Core Analysis
Sample Log
Gamma Ray VISION* Resistivity Log 1:240 & 1:600 TVD Final Print Composite Log
Gamma Ray VISION* Resistivity Log 1:240 & 1:600 MD Final Print Composite Log
Drilling Data Log 1:1200
Pressure Data Log 1:3000
Surface, MWD and PWD Data Log 1:1200
Formation Evaluation Log

SAMPLES

Sample Type	**Interval (m)**	**# of Samples**	**Remarks**
Washed Cuttings	3,380 – 4,116	149	vials
Sidewall Core	3,750 – 4,059	25	vials

Core

Core #	**Interval (m)**	**Recovered (m)**
1	3,880 – 3,970	26.65

Glenelg J-48

WELL SUMMARY

GENERAL INFORMATION

D #	226
Company	Shell Petrocan
Location	$43^0$37'38.57" N $60^0$06'24.84" W
UWI	300J484340060000
Area	Scotian Shelf
Spud Date	February 22, 1983
Well Term. Date	November 7, 1983
Drilling Rig	Sedco 709
Total Depth (m)	5,148.0
Water Depth (m)	83.7
Rotary Table (m)	24.0
Well Type	Exploration
Classification	Gas Well
Well Status	P&A
Info. Release Date	Released

CASING:

Size x Depth (metric)	Size x Depth (imperial)
914 mm x 120.5m	36" x 395.3'
610 mm x 352.0 m	24" x 1,154.8'
473 mm x 1,108.0m	13 3/8" x 3,635.1'
340 mm x 3,244.0 m	13 3/8" x 10,643'
244.5 mm x 4,134.0 m	9 5/8" x 13,562.9'

WELL TEST SUMMARY

Type /Test #	Interval (m)	Recovery	Flow Rate / Amount	Comments
DST #1	5,075 – 5,107	water	11.5 m^3/d	
DST #2	3,950 – 3,955	gas water	127,350 m^3/d trace	
DST# 3	3,806 – 3,815	formation fluid	6.36 m^3	
DST #4	3,767 – 3,773	gas water	124,520 m^3/d 88.4 m^3/d	
DST #5	3,746 – 3,758	gas condensate	800,890 m^3/d 17.7 m^3/d	
DST #6	3,608 – 3,615	-	-	misrun
DST #7	3,608 – 3,615	gas condensate water	99,050 m^3/d trace trace	
DST #8	3,491 – 3,495.5	gas	594,300 to 466,950 m^3/d	

		condensate	trace to 1.91 m^3/d
		water	trace
DST #9	3,062 – 3,065	gas	849,000 m^3/d
		condensate	65.4 m^3/d
		water-mud filtrate	8.5 m^3/d

GEOLOGIC TOPS (m):

Banquereau Fm	1,645.5 (bottom)
Wyandot Fm	1,645.5
Dawson Canyon Fm	1,774.6
PetrelMb	1,796.7
Logan Canyon Fm	1,975.0
Marmora Mb	1,975.0
Sable Mb	2,137.6
Cree Mb	2,301.5
Naskapi Mb	3,131.0
Missisauga Fm	3,469.0
(Upper)	3,469.0
(Approx. top OP)	4,000.0
("O"Marker)	4,267.5
(Middle)	4,330.5
Verrill Canyon Fm	4,613.5

ADDITIONAL REPORTS AND LOGS:

Well History Report
Technical Report, Subsurface Pressure Survey, DST #1
Hydrocarbon Compositional Analysis
Dual Laterolog Micro SFL, Run 1-5
Dual Induction-SFL, Run 1-7
Four-Arm High Resolution Continuous Dipmeter (Computed), Run 1-5
Temperature Log, Run 1
Depth Derived Borehole Compensated Sonic Log, Run 1-7
Simultaneous Compensated Neutron-Formation Density, Run 1-7
Borehole Geometry Survey and Cement Volume Log, Run 1-5
Mud Log
Dual Induction-SFL (Reduced Mylar)
Depth Derived Borehole Compensated Sonic Log (Reduced Mylar)
Simultaneous Compensated Neutron-Formation Density (Reduced Mylar)
Cement Bond-Variable Density Log, Run 1
Repeat Formation Tester, Run 1-3
Stuck Point Indicator & Backoff Results, Run 1
Slim Hole Sonic Tool, Run 1
Directional Log (Computed), Run 1-5
Sidewall Core Results, Run 1-6
Geodip, Run 3
Directional Survey, Run 1-5
Mud Report
Completion Record, Run 1
Dual Spacing Thermal Decay Time Log, Run 1
Test Results, DST's 1-9

Well Test Interpretation Report, DST #1, Zone 1
High Resolution Dipmeter Cluster Listing, Run 3
Pressure Test, DST #8, Zone 7
Pressure Gauge Test: DST 2, Zone 3
Pressure Gauge Test: DST 3, Zone 4
Pressure Gauge Test: DST 4, Zone 5
Pressure Gauge Test: DST 5, Zone 5A
Pressure Gauge Test: DST 6, Zone 6
Pressure Gauge Test: DST 7, Zone 6
Pressure Gauge Test: DST 8, Zone 7
Pressure Gauge Test: DST 9, Zone 8
Synthetic Seismogram (Mylar)
Well Seismic Results (Field Print), Run 1
Well Seismic Results (Field Print), Run 2
Well Seismic Results (Field Print), Run 3
Well Seismic Results (Field Print), Run 4
Well Seismic Results (Field Print), Run 6
Well Seismic Results/ Velocity Curve
Well Seismic Results Run 1-5
Gas Log
Mud Report Part 1
Mud Report Part 2
Hydrocarbon Compositional Analysis
Preliminary Geological Report
Well Seismic Results, Run 1-5
Computer Print Out-Velocity Correlation & Well Seismic Results, Run 1-5
Biostratigraphy Report
Summary Log, Paleontology & Geochemistry Summaries, Lithologic Descriptions and Lithologic Logs
Mud Log

SAMPLES

Sample Type	**Interval (m)**	**# of Samples**	**Remarks**
Washed Cuttings	380 – 5,240	814	vials
Unwashed Cuttings	380 – 5,250	906	bags
Sidewall Core	468 – 5,107	464	vials
Canned Cuttings (dried)	380 – 5,240	507	bags

Slides	**Interval (m)**	**# of Slides**	**Sample Source**
Micropaleo slides	370 – 5,250	167	cuttings
Micropaleo slides	5,086 – 5,092	4	company cuttings
Palynology slides	370 – 5,250	167	cuttings
Palynology slides	468 – 4,750	218	sidewall core

Glenelg N-49

WELL SUMMARY

GENERAL INFORMATION

D #	299
Company	Shell/ PCI et al
Location	$43^0$38'59.43" N $60^0$07'02.10" W
UWI	300N494340060000
Area	Scotian Shelf
Spud Date	June 1, 1986
Well Term. Date	August 4, 1986
Drilling Rig	Vinland
Total Depth (m)	4,040
Water Depth (m)	72.3
Rotary Table (m)	23.2
Well Type	Delineation
Classification	Gas Well
Well Status	P&A
Info. Release Date	Released

CASING:

Size x Depth (metric)	Size x Depth (imperial)
762 mm x 159 m	30" x 521.6'
340 mm x 599 m	13 3/8" x 1,965.2'
244.5 mm x 3,088 m	9 5/8" x 10,131.2'
178 mm x 3,838m	7" x 12,591.8'

WELL TEST SUMMARY

Type /Test #	Interval (m)	Recovery	Flow Rate / Amount
DST #1	3,597.5 – 3,602.5	gas	595,715 m^3/d
		condensate	20 m^3/d
DST #2	3,476 – 3,485	gas	883,243 m^3/d
		condensate	24 m^3/d
DST #3	3,390.5 – 3,401.5	gas	482,232 m^3/d
		condensate	11.6 m^3/d

GEOLOGIC TOPS (m):

Formation / Member	Depth MD (m)
Banquereau Fm	1,571.5
Wyandot Fm	1,571.5
Dawson Canyon Fm	1,692.6
Petrel Mb	1,714.8
Logan Canyon Fm	1,891.0
Marmora Mb	1,891.0
Sable Mb	2,076.6
Cree Mb	2,233.3
Naskapi Mb	3,056.0
Missisauga Fm	3,349.8
(Upper)	3,349.8

ADDITIONAL REPORTS AND LOGS:

Cement Volume Log, Run 1 &2
Simultaneous Compensated Neutron-Litho Density, Run 1-3
Sidewall Core Results, Run 1-3
Repeat Formation Tester, Run 1 & 2
DIL/CNL/LDT Composite Log, Run 1 & 2
Dual Induction Log, Run 1-3
Long Sonic Waveform Record, Run 1 & 2
Oil Base Dipmeter, Run 1 & 2
Depth Derived Borehole Compensated Sonic, Run 1-3
Plan and Field Notes
SAT (VSP Survey) (Field Print), Run 2
Offshore Technical Log
Drilling Record
Dual Induction Log (Reduced Mylar)
Core Photo's (Slabbed), Core 1-6
Core Analysis
Mud Summary
End of Well Report
Preliminary Core Analysis
Deviation Summary/DST Pressure Data
Sonic and Density Graph (Mylar)
Sonic Graph (Mylar)
SAT (VSP Quicklook) (Field Print), Run 2
SAT (VSP Survey), Run 1 & 2
SAT (VSP Survey) (Field Log), Run 2
Well Seismic Report
Test Results-Gas Testing 1986
Gamma-Ray Log Depth 2500-3850
Gamma-Ray Log Depth 1850-2125
Physical Formation Log

SAMPLES

Sample Type	**Interval (m)**	**# of Samples**	**Remarks**
Washed Cuttings	610 – 4,040	484	vials
Unwashed Cuttings	610 – 4,040	182	bags
Canned Cuttings (dried)	610 – 4,040	266	bags

Core

Core #	**Interval (m)**	**Recovered**
1	2,977.0 – 2,988.5	9.1
2	2,988.5 – 3,015.0	27.0
3	3,569.0 – 3,596.4	27.4
4	3,596.4 – 3,622.4	26.9
5	2,622.4 – 3,650.0	27.6
6	3,650.0 – 3,676.5	26.5

Recovered Fluids

Test #	**Interval (m)**	**Recovered**	**Recovered From**
DST #1, Zone 1	3,597.5 – 3,602.5	condensate	separator
DST #2, Zone 2	3,476.0 – 3,485.0	condensate	separator
DST #3, Zone 3	3,390.5 – 3,401.5	condensate	separator

Intrepid L-80

WELL SUMMARY

GENERAL INFORMATION

D #	126
Company	Texaco et al
Location	43°49'35.78"N 59°56'43.83"W
UWI	300L804350059450
Area	Scotian Shelf
Spud Date	May 18,1974
Well Term. Date	August 15-1974
Drilling Rig	Sedco J
Total Depth (m)	4,162
Water Depth (m)	43.6
Rotary Table (m)	31.4
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 x126.3 m	30" x 870'
508 mm x239.6 m	20" x 786'
340 mm x1,145.1 m	13 3/8" x 3,757'
244 mm x 2,961.1m	9 5/8" x 9,715'
193.6 mm x 2,345.1 - 2,860m (liner)	7 5/8" x 7,694' - 13,115' (liner)

WELL TEST SUMMARY

Type /Test #	**Interval (m)**	**Recovery**	**Flow Rate /**	**Remarks**
DST #1	3,965.4 – 3,968.5	salt water mud	-	54.9 m recovered salt water (219,450 ppm NaCl)
DST #2	3,952.6 – 3,956.3	gassy salt water cut drilling mud	-	32 m^3 recovered
DST #3	12,602 – 12,616	gas	46,722 m^3/d	
DST #4	3,446.9 –3,500.6	water cushion water)	-	16,404 m recovered 12 bbls recovered (av. salinity 25,000ppm NaCl

DST #5	3,383.3 – 3,389.4	gas condensate salt water	120,345 $m^{3/}d$ 11.1 $m^{3/}d$ 144 $m^{3/}d$	
DST #6	3,044.9 – 3,054.1	water cushion and salt water		1,737.3 m recovered (av. salinity 52,000 ppm)
DST #7	2,937.4 – 2,940.7	gas condensate water	129,690 $m^{3/}d$ 3.8 m^3/d 30.4 m^3/d	
DST #8	9,540 – 9,552	gas condensate	616,622 m^3/d 11.9 m^3/d	
DST #9	9,390 – 9,408	-	-	misrun

GEOLOGIC TOPS :

Formation / Member	**Depth ft**	**Depth (m)**
Banquereau Fm	4,528 (bottom)	(1,380.13)
Wyandot Fm	4,528	(1,380.13)
Dawson Canyon Fm	4,952	(1,509.36)
Petrel Mb	5,117	(1,559.6)
Logan Canyon Fm		
Marmora Mb	5,443	(1,659.02)
Sable Mb	6,308	(1,922.67)
Cree Mb	6,718	(2,047.64)
Naskapi Mb	9,200	(2,804.16)
Missisauga Fm		
(Upper)	9,630	(2,935.22)
("O"Marker)	10,555	(3,217.16)
(Middle)	10,565	(3,220.21)
(Intrepid Limestone)	11,254	(3,430.21)
(Approx. top OP)	13,009	(3,965.14)

ADDITIONAL REPORTS AND LOGS:

Borehole Compensated Sonic Log, Run 1-4
Simultaneous Compensated Neutron Formation Density, Run 1-4
4-Arm High Resolution Continuous Dipmeter (Computed), Run 1-3
Drilling Record (Bit Penetration Rate etc.)
Dual Induction Laterolog, Run 1-4
Mud History Log
Preliminary Biostratigraphic Summary & Palynology Analysis
Completion Record
Directional Log, Run 1-3
Dew Point and Recombination Study
Velocity Log Calibration and Velocity Survey
Temperature Log, Run 1
Formation Tester, Tests 1 & 2

SAMPLES

Sample Type	**Interval (m)**	**# of Samples**
Washed Cuttings	256 – 4,160.5	876

Unwashed Cuttings	256 – 4,160.5	762
Sidewall Core	1,161.3 – 3,994.1	132
Canned Cuttings (dried)	1,161.3 – 4,160.5	272

Slides	**Interval (m)**	**# of Slides**	**Sample Source**
Micropaleo slides	256 – 5,071.2	10	cuttings
Micropaleo slides	1,161.2 – 2,025.1	23	sidewall core
Palynology slides	256 – 4,154.4	229	cuttings
Palynology slides	1,222.2 – 3,916.6	34	sidewall core

Marmora C-34

WELL SUMMARY

GENERAL INFORMATION

D #	70
Company	Shell
Location	43^{0}43'13.79"N 60^{0}05'21.93"W
UWI	300C344350060000
Area	Scotian Shelf
Spud Date	January 15, 1972
Well Term. Date	March 31, 1972
Drilling Rig	Sedneth 1
Total Depth (m)	4,038
Water Depth (m)	57.6
Rotary Table (m)	25.9
Well Type	Exploration
Classification	Gas Show
Well Status	P&A
Info. Release Date	Released

CASING:

Size x Depth (metric)	**Size x Depth (imperial)**
406 mm x 263.9 m	16" x 866'
340 mm x 825.1 m	13 $^{3/8}$" x 2,707'
244 mm x 1,848.9 m	9 $^{5/8}$" x 6,066'

GEOLOGIC TOPS

Formation / Member	**Depth ft**	**Depth (m)**
Banquereau Fm	4,666 (bottom)	(1,422.19)
Wyandot Fm	4,666	(1,422.19)
Dawson Canyon Fm	5,065	(1,543.81)
PetrelMb	5,190	(1,581.91)
Logan Canyon Fm	5,535	(1,687.06)
Marmora Mb	5,535	(1,687.06)
Sable Mb	6,405	(1,952.24)
Cree Mb	6,958	(2,120.79)

Naskapi Mb	9,458	(2,882.79)
Missisauga Fm	10,280	(3,133.34)
(Upper)	10,280	(3,133.34)

ADDITIONAL REPORTS AND LOGS:

Well History Report
Borehole Compensated Sonic Log, Run 1-4
Dual Induction-Laterlog, Run 1-3
Compensated Neutron Formation Density Log, Run 1-4
4-Arm High Resolution Continuous Dipmeter (Computed), Run 1-4
Directional Log (Computed), Run 1-4
Micropaleontology, Palynology & Geochemical Summary
Micropaleontology, Palynology & Geochemical Analysis
Micropaleontology & Palynology Summary
Induction Electrical Log, Run 1 & 2
Formation Tester, Tests 1-6
Velocity Survey 1 of 2
Velocity Survey 2 of 2
Micropalaeontolog, Palynology and Stratigraphy Report

SAMPLES

Sample Type	**Interval (m)**	**# of Samples**
Washed Cuttings	283.4 – 4,035.5	796
Unwashed Cuttings	283.4 – 4,035.5	796
Sidewall Core	298.7 – 3,962.4	345

Slides	**Interval (m)**	**# of Slides**	**Sample Source**
Micropaleo slides	274.32 – 3,962.40	137	cuttings
Micropaleo slides	298.70 – 3,939.10	198	sidewall core
Palynology slides	274.32 – 4,023.36	172	cuttings
Palynology slides	1,953.76 – 3,962.40	124	sidewall core

Marmora P-35

WELL SUMMARY

GENERAL INFORMATION

D #	98
Company	Shell et al
Location	43^{0}44'59.36"N 60^{0}04'47.58"W
UWI	300P354350060000
Area	Scotian Shelf
Spud Date	March 6, 1973
Well Term. Date	April 21, 1973
Drilling Rig	Sedco H
Total Depth (m)	4,093
Water Depth (m)	53.3

Rotary Table (m)	29.9
Well Type	Exploration
Classification	Dry
Well Status	P&A
Info. Release Date	Released

CASING:

Size x Depth (metric)	**Size x Depth (imperial)**
406 mm x 268.5 m	16" x 881'
340 mm x 675.7 m	13 3/8" x 2,217'
244 mm x 1,944.0 m	9 5/8" x 6,378'

GEOLOGIC TOPS

Formation / Member	**Depth ft**	**Depth (m)**
Banquereau Fm	4,510 (bottom)	(1,374.64)
Wyandot Fm	4,510	(1,374.64)
Dawson Canyon Fm	4,944	(1,522.17)
Petrel Mb	5,068	(1,544.72)
Logan Canyon Fm	5,380	(1,639.82)
Marmora Mb	5,380	(1,639.82)
Sable Mb	6,185	(1,885.18)
Cree Mb	6,707	(2,044.29)
Naskapi Mb	9,045	(2,756.91)
Missisauga Fm	9,853	(3,003.19)
(Upper)	9,853	(3,003.19)

ADDITIONAL REPORTS AND LOGS:

Well History Report
Borehole Compensated Sonic Log, Run 1-5
Simultaneous Compensated Neutron Formation Density Log, Run 1-3
4-Arm High Resolution Continuous Dipmeter, Run 1-4
Well History Log (Drilling Rate, Mud Gas Analysis etc.)
Geochemical Summary & Source Rock Analysis
Velocity Survey
Directional Log, Run 1-4
Formation Tester, Tests 1-3
Caliper Log, Run 1 & 2
Dual Induction Laterolog, Run 1-5

SAMPLES

Sample Type	**Interval (m)**	**# of Samples**
Washed Cuttings	911.3 – 4,090.4	787
Unwashed Cuttings	911.3 – 4,090.4	787
Sidewall Core	286.2 – 4,055.4	215

Core	**Interval (m)**	**Recovered (m)**
#1	3,007.10 - 3,025.14	13.41

Slides	**Interval (m)**	**# of Slides**	**Sample Source**
Micropaleo slides	697.9 – 4,090.4	142	cuttings
Micropaleo slides	2,336.9 – 3,608.8	11	sidewall core
Palynology slides	402.3 – 4,055.4	76	sidewall core

Migrant N-20

WELL SUMMARY

GENERAL INFORMATION

D #	170
Company	Mobil
Location	$43^0$59'56.24" N $60^0$17'18.23" W
UWI	300N204400060150
Area	Scotian Shelf
Spud Date	July 29, 1977
Well Term. Date	January 23, 1978
Drilling Rig	Gulftide
Total Depth (m)	4,669
Water Depth (m)	13.7
Rotary Table (m)	26.1
Well Type	Exploration
Classification	Gas Show
Well Status	P&A
Info. Release Date	Released

CASING:

Size x Depth (metric)	Size x Depth (imperial)
762 mm x 121.9 m	30" x 400'
508 mm x 244.4 m	20" x 802'
340 mm x 1,046.6 m	13 3/8" x 3,434'
244 mm x 3,129.9 m	9 5/8" x 10,269'
178 mm x 4,333.0 m	7 " x 14,216'

WELL TEST SUMMARY

Type /Test #	Interval (m)	Recovery	Flow Rate / Amount	Remarks
DST #1	4,333.0 – 4,361.6	-	-	No recovery
DST #2	4,333.0 – 4,361.6	gas muddy water trace condensate	283,165 m^3/d 5 gal. -	12.7mm choke
DST #3	4,270.2 – 4,273.3	-	-	Misrun
DST #4	4,270.2 – 4,273.3	-	-	Misrun
DST #5	4,270.2 – 4,273.3	-	-	No recovery
DST #6	4,270.2 – 4,273.3	-	-	Misrun
DST #7	4,205.0 – 4,212.9	-	-	Misrun

DST #8	4,205.0 – 4,212.9	-	-	No recovery

GEOLOGIC TOPS (m):

Formation / Member	Depth (m)
Banquereau Fm	100.5 (bottom)
Wyandot Fm	100.5
Dawson Canyon Fm	1,147.2
Petrel Mb	1,256.9
Logan Canyon Fm	1,371.3
Marmora Mb	1,371.3
Sable Mb	1,634.0
Cree Mb	1,717.8
Naskapi Mb	2,330.2
Missisauga Fm	2,447.5
(Upper)	2,447.5
(“O”Marker)	2,691.3
(Middle)	2,764.5
(Lower)	3,485.9
Mic Mac Fm	3,898.4
Approx. Top Overpressure	3,962.4

ADDITIONAL REPORTS AND LOGS:

Well History Report
Borehole Compensated Sonic Log, Run 1-5
GMA Stratigraphic Modeling System
4-Arm High Resolution Continuous Dipmeter (Computed), Run 1
Long Spacing Sonic Log, Run 1 & 2
Mud History Log
Bottom Hole Location
Two-Way Travel Time Log
Dual Induction Laterolog, Run 1-5
Simultaneous Compensated Neutron Formation Density, Run 1-3
Palynology Report, Micropaleontological and Paleontological Summaries
Repeat Formation Tester, Run 1
Variable Density Amplitude, Run 1
Completion Record
Casing Locator Log, Run 1
Variable Density, Run 2
Directional Log computed, Run 1
Report and Plan of Sub-surface Magnetic Survey
Seismic Velocity Survey & Velocity Log Calibration
Dipmeter Cluster Calculation Listing
Drilling Record (Bit Penetration Rate, etc.)
Formation Testing (Technical Report) Test 1
Formation Testing (Technical Report) Test 2
Formation Testing (Technical Report) Test 3
Formation Testing (Technical Report) Test 4
Formation Testing (Technical Report) Test 5
Formation Testing (Technical Report) Test 6A
Formation Testing (Technical Report) Test 6B
Formation Testing (Technical Report) Test 7
Velocity Analysis #1

Velocity Analysis #2
Wave Form, Run 1
Wave Form, Run 2
Wave Form, Run 3
Cement Bond Log (Field Print), Run 1 (Aug/09/77)
Cement Bond Log (Final), Run 1 (Aug/09/77)
Cement Bond Log (Final), Run 2 (Aug/12/77)
Temperature Log (Final), Run 1 (Jul/29/77)
Temperature Log (Field Print), Run 2 (Aug/09/77)
Temperature Log (Final), Run 2 (Aug/09/77)
Temperature Log (Final), Run 3 (Aug/12/77)
Temperature Log (Final), Run 2 (Nov/15/77)
Calibrated Velocity Log

SAMPLES

Sample Type	**Interval (m)**	**# of Samples**	**Remarks**
Washed Cuttings	298.7 - 4,468.3	1,047	vials
Unwashed Cuttings	298.7 - 4,468.3	1,054	bags
Sidewall Core	1,085.0 - 3,124.8	96	vials
Canned Cuttings (dried)	298.7 - 4,468.3	219	bags

Slides	**Interval (m)**	**# of Slides**	**Sample Source**
Micropaleo slides	289.5 – 4,468.3	151	cuttings
Palynology slides	316.9 – 4,468.3	150	cuttings

North Triumph B-52

WELL SUMMARY

GENERAL INFORMATION

D #	289
Company	Shell /PCI et al
Location	$43^0$41'02.38'N $59^0$52'56.87"W
UWI	300B524350059450
Area	Scotian Shelf
Spud Date	January 24, 1986
Well Term. Date	March 29, 1986
Total Depth(m)	12,992
Water Depth (m)	81
Rotary Table (m)	24
Well Type	Delineation
Classification	Gas Well
Well Status	P&A
Info. Release Date	Released

CASING:

Size x Depth (metric)	**Size x Depth (imperial)**
762 mm x 155 m	30” x 482.2’

340 mm x 599 m	13 3/8" x 508.5'
244 mm x 2,225 m	9 5/8" x 7,299.8'
178 mm x 3,940 m	7" x 12,926.5'

FLUID TESTS

Type /Test #	Interval (m)	Recovery	Flow Rate	Remarks
DST #1	3,810 – 3,822	mud and water	-	10.5 bbls recovered (on reverse circulation)
		formation water	-	15 bbls recovered
DST #2	3,795 – 3,800	gas	-	TSTM
		mud and water	-	219 bbls recovered (on reverse circulation)
		formation water	-	54 bbls recovered
DST #3	3,771 – 3,777		-	misrun
DST #4	3,771 - 3,777	gas	27.6MMCF/D	flow rate averaged
		condensate	117 bbls/d	flow rate averaged
		water	32 bbls/d	chlorides 1,400ppm

GEOLOGIC TOPS (m):

Formation / Member	Depth (m)
Banquereau Fm	1,657.3 (bottom)
Wyandot Fm	1,657.3
Dawson Canyon Fm	1,780.6
PetrelMb	1,842
Logan Canyon Fm	1,878.3
Marmora Mb	1,878.3
Sable Mb	2,409.4
Cree Mb	2,555.6
Naskapi Mb	3,406.6
Missisauga Fm	3,756.5

ADDITIONAL REPORTS AND LOGS:

Well History Report
High Resolution Dipmeter, Run 1 & 2
Repeat Formation Tester, Run 1
Core Results, Run 1
Simultaneous Compensated Neutron-Litho Density, Run 1 & 2
Dual Induction, Run 1 & 2
Depth Derived Borehole Compensated Sonic, Run 1 & 2
Composite Log, Run 1 & 2
Directional Survey, Run 1
Arrow Plot, Run 1
Cement Volume Log, Run 1 & 2
Offshore Technical Log
Drilling Record
Gamma-Ray Log

Dual Induction (Reduced Mylar)
Well Seismic Results (Field Print), Run 2
Well Seismic Results, Run 1
Gas Log
Well History Summary (Mud Report)
Test Results-Gas Testing 1986
Core Photo's (Slabbed), Core 1-3
Special Core Analysis
DST # 3, & 4
Well Seismic Report
DST # 1 & 2
Pressure Analysis Report: DST #1, Zone 1
Pressure Analysis Report: DST #2, Zone 1A
Pressure Analysis Report: DST #3, Zone 2
Pressure Analysis Report: DST #4, Zone 2 (Part 1)
Pressure Analysis Report: DST #4, Zone 2 (Part 2)
GMA Stratigraphic Modeling System (Mylar)
Drilling Mud Services (Recap)
Core Analysis

SAMPLES

Sample Type	**Interval (m)**	**# of Samples**
Washed Cuttings	630 – 3,690	475
Unwashed Cuttings	630 – 3,690	475
Sidewall Core		nil
Canned Cuttings (dried)	630 – 3,890	282

Slides	**Interval (m)**	**# of Samples**	**Sample Source**
Micropaleo slides	625 – 3,760	126	cuttings
Micropaleo slides	3,773 – 3,798	2	core

Core:	**Interval (m)**	**Recovery (m)**
Core #1	3,771.0 – 3,798.0	26.4
Core #2	3,798.0 – 3,810.5	12.5
Core #3	3,810.5 – 3,822.0	10.72

Recovered Fluids

Test #	**Interval (m)**	**Recovery**	**Recovered from**
DST #4,Zone 2	3,771 – 3,777	Condensate	separator

North Triumph G-43

WELL SUMMARY

GENERAL INFORMATION

D #	281
Company	Shell/PCI et al
Location	$43^0$42'19.06" N $59^0$51'23.02"W
UWI	300G434350059450
Area	Scotian Shelf
Spud Date	September 26, 1985
Well Term. Date	January 31, 1986
Drilling Rig	Sedco 709
Total Depth(m)	4,504
Water Depth (m)	73.6
Rotary Table (m)	24.0
Well Type	Exploration
Classification	Gas Well
Well Status	P&A
Info. Release Date	Released

CASING:

Size x Depth (metric)	**Size x Depth (imperial)**
914 mm x 147 m	36" x 482.2'
340 mm x 561 m	13 3/8" x 1,840.5'
244 mm x 3,363 m	9 5/8" x 11,033.4'
178 mm x 3,926 m	7" x 12,288.05'

FLUID TESTS

Type /Test #	**Interval (m)**	**Recovery**	**Flow Rate**	**Remarks**
DST #1	3,835 – 3,846	gas	996,169 m^3/d	
		condensate	28.1 m^3/d	
DST #2	3,795 – 3,809	gas	$1.04x10^6$ m^3/d	
		condensate	31.3 m^3/d	

GEOLOGIC TOPS (m):

Formation / Member	**Depth m**
Banquereau Fm	1,628 (bottom)
Wyandot Fm	1,628.0
Dawson Canyon Fm	1,708.2
Petrel Mb	1,825.0 - 1,826.0
Logan Canyon Fm	
Marmora Mb	1,861.6
Sable Mb	2,386.9
Cree Mb	2,524.0
Naskapi Mb	3,490.0
Missisauga Fm	3,777.8
(Approx. Top OP)	4,312.0

ADDITIONAL REPORTS AND LOGS:

Well History Report

Lithologic Description
Four-Arm High Resolution Continuous Dipmeter, Run 1 & 2
Offshore Technical Log
Completion Record, Run 1
Composite Log, Run 1 & 2
Core Sample Results, Run 1-3
Free Point Indicator Results, Run 1
Cement Volume Log, Run 1 & 2
Deviated Compensated Neutron-Litho Density, Run 1-4
True Vertical Depth-Dual Induction Log, Run 1-3
True Vertical Depth Compensated Neutron-Litho Density, Run 1-3
Dual Spacing Thermal Decay Time Log, Run 1
Repeat Formation Tester, Run 1-4
Arrow Plot, Run 1
Back Off Results, Run 1
Deviated Dual Induction Log, Run 1-4
Deviated Depth Derived Borehole Compensated Sonic, Run 1-3
True Vertical Depth Derived Borehole Compensated Sonic, Run 1-3
Mechanical Properties Log-Sand Strength Analysis, Run 3
True Vertical Depth-Dual Induction Log (Reduced Mylar)
Deviated Depth Derived Borehole Compensated Sonic (Reduced Mylar)
DST # 1
DST # 2
Well History Summary (Mud Report)
Test Results-Gas Testing 1986
Technifluids Well Summary Revised (Mud Report)
Vessel Response Plot
Mechanical Properties Log Computation
Drilling Record
Preliminary Core Analysis 1 of 2
Preliminary Core Analysis 2 of2
Well Seismic Report
Well Seismic Results, Run 1 & 2
Palynological, Micropaleontological, and Geochemical Summaries
Well Seismic Results (Field Log), Run 1
Well Seismic Results (Field Log), Run 4
Core Photo's (Slabbed), Core 1-4
Core Photo's (Slabbed), Core 5 & 6
Core Photo's (Slabbed), Core 7
Core Analysis 1 of 2
Core Analysis 2 of 2
Directional Survey, Run 1

SAMPLES

Sample Type	**Interval (m)**	**# of Samples**
Washed Cuttings	590 – 4,505	748
Unwashed Cuttings	590 – 4,505	752
Sidewall Core	724 – 4,500	268
Canned Cuttings (dried)	590 – 4,920	434

Slides	**Interval (m)**	**# of Samples**	**Sample Source**
Micropaleo slides	585.0 – 4,920.0	145	cuttings
Palynology slides	724.0 – 4,264.9	126	co. sidewall core

Palynology slides	4,106.0 – 4,500.0	12	co. sidewall core

Core:	**Interval (m)**	**Recovery (m)**
Core #1	3,266.0 – 3,284.8	18.78
Core #2	3,284.8 – 3,303.1	18.33
Core #3	3,803.3 – 3,826.0	20.25
Core #4	3,826.0 – 3,851.0	25.00
Core #5	4,017.0 – 4,044.0	27.00
Core #6	4,044.0 – 4,063.0	18.36
Core #7	4,396.6 – 4,424.4	-

Recovered Fluids:

Test #	**Interval (m)**	**Recovery**	**Recovered from**
DST #1, zone 1	3,855 – 3,846	condensate	separator
DST #2, zone 2	3,795 – 3,809	condensate	separator
DST #1, zone 1	3,835 – 3,846	water	separator
DST #2, zone 2	3,795 – 3,809	water	separator

Olympia A-12

WELL SUMMARY

GENERAL INFORMATION

D #	213
Company	Mobil-Pex-Tex
Location	44°01'03.27"N 59°46'44.09"W
UWI	300A524050060300
Area	Scotian Shelf
Spud Date	April 23, 1982
Well Term. Date	January 10,1983
Drilling Rig	Zapata Scotian
Total Depth (m)	6,064
Water Depth (m)	40
Rotary Table (m)	38
Well Type	Exploration
Classification	Gas Well
Well Status	P&A
Info. Release Date	Released

CASING:

Size x Depth (metric)	**Size x Depth (imperial)**
914 mm x 191 m	30" x 626.6'
610 mm x 507 m	20" x 1,663.3'
473 mm x 1,511 m	13 3/8" x 4,957.3'
340 mm x3,006 m	9 5/8" x 9,862.2
244 mm x 4,744 m	7 5/8" x 15,564.3'
178 mm x 5,892 m (liner)	7" x 19,330.7

WELL TEST SUMMARY

Type /Test #	Interval (m)	Recovery	Flow Rate	Remarks
DST #1	5,694 – 5,704	misrun	-	misrun
DST #2	5,694 – 5,704	oil gas	889.5 m^3/d 5,745 m^3/d	
DST #3	5,199 – 5,210		-	no recovery
DST #4	5,175 – 5,182		-	no recovery
DST #5	4,664 – 4,678	gas condensate	$425x10^3$ m^3/d 75 m^3/d	
DST #6	4,640 – 4,648	gas condensate water	$414x10^3$ m^3/d 6.1 m^3/d 66.8 m^3/d	
DST #7	4,622 – 4,633	gas condensate water	496 x 10^3 m^3/d 16.9 m^3/d 1.0 m^3/d	
DST #8	4,525 – 4,538	gas condensate water	255 x 10^3 m^3/d 36.2 m^3/d 1.0 m^3/d	
DST #9	4,450 – 4,462	gas water	482 x 10^3 m^3/d 140.0 m^3/d	

GEOLOGIC TOPS :

Formation / Member	Depth (m)
Banquereau Fm	1,312 (bottom)
Wyandot Fm	1,312.2
Dawson Canyon Fm	1,442.5
Petrel Mb	1,526.0
Logan Canyon Fm	1,665.5
Marmora Mb	1,665.5
Sable Mb	1,884.5
Cree Mb	1,990.5
Naskapi Mb	2,760.5
Missisauga Fm	2,888.5
(Upper)	2,888.5
("O"Marker)	3,160.0
(Middle)	3,190.0
(Lower)	3,995.0
(Approx. top OP)	4,420.0

ADDITIONAL REPORTS AND LOGS:

Well History Report
Well Test Interpretation Report, DST # 5
Well Test Interpretation Report, DST # 6

Well Test Interpretation Report, DST # 7
Well Test Interpretation Report, DST # 8
Well Test Interpretation Report, DST # 9
Computerized Technical Data Analysis, DST #2
Computerized Technical Data Analysis, DST #4
Directional Survey, Run 1
Directional Survey, Run 2
Directional Survey, Run 3
Drilling Record
Mud-Gas Log
Well History Log
Borehole Geometry Log, Run 1-7
Stuck Point Indicator and Backoff Results (Field Print), Run 7
Simultaneous Compensated Neutron Formation Density, Run 1-5
Repeat Formation Tester, Run 1 & 2
Dual Induction-SFL, Run 1-5
Dual Laterolog Micro SFL, Run 1 & 2
Cement Bond-Variable Density Log, Run 1
Four-Arm Caliper Log, Run 1
Temperature Log, Run 1
Caliper-Collar Locator Log (Field Print), Run 12
Directional Log (Computed), Run 1-4
Completion Record, Zone 1
Completion Record, Zone 2
Completion Record, Zone 3
Completion Record, Zone 4
Completion Record, Zone 5
Completion Record, Zone 5A
Completion Record, Zone 6
Completion Record, Zone 7
Four-Arm High Resolution Continuous Dipmeter (Computed), Run 1-4
Depth Derived Long Spacing Sonic Log, Run 1-8
Dual Laterolog (Reduced Mylar) too small for barcode
Well Seismic Report
Technical Report-Subsurface Pressure Survey, DST # 1
Computerized Technical Data Analysis, DST # 3
Hydrocarbon Liquid Analysis and Gas Analysis
Well Test Report, DST # 1-9
Biostratigraphy and Paleoecology Report
Hydrocarbon Source Facies Analysis
DST # 5-9
DST # 1-4

SAMPLES

Sample Type	**Interval (m)**	**# of Samples**
Washed Cuttings	520 – 6,060	916
Unwashed Cuttings	520 – 6,060	958
Sidewall Core	3,090 – 6,043	53
Canned Cuttings (dried)	1,550 – 6,060	312

Slides

Slide Type	**Interval (m)**	**# of Slides**	**Sample Source**
Micropaleo slides	520 – 5,885	140	cuttings
Palynology slides	520 – 5,885	138	cuttings

Recovered Fluids

Test #	Interval (m)	Recovery	Recovered from
DST #5, Zone 4	4,664 – 4,678	condensate	separator
DST #6. Zone 5	4,640 – 4,648	condensate	stocktank
DST #7, Zone 5A	4,622 – 4,633	condensate	stocktank
DST #8, Zone 6	4,525 – 4,538	condensate	stocktank
DST #6, Zone 5	4,640 – 4,648	water	stocktank
DST #7, Zone 5A	4,622 – 4,633	water	separator
DST# 9, Zone 7	4,450 – 4,462	water	choke manifold

Onondaga B-84

WELL SUMMARY

GENERAL INFORMATION

D #	373
Company	Shell Canada
Location	43^{0}43'08.92"N 60^{0}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'
Sidetract (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'
4466 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, Fnal 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

SAMPLES

Sample Type	**Interval (m)**	**# of Samples**
Washed Cuttings	2,645 – 5,020	476
Unwashed Cuttings	2,645 – 5,020	476

Onondaga B-96

WELL SUMMARY

GENERAL INFORMATION

D #	158
Company	Shell
Location	$43^0$45'08.21" N $60^0$14'09.76" W
UWI	300B964350060000
Area	Scotian Shelf
Spud Date	January 12, 1976
Well Term. Date	March 21, 1976
Drilling Rig	Sedco H
Total Depth (m)	3,758
Water Depth (m)	60.4
Rotary Table (m)	29.9
Well Type	Delineation
Classification	Dry
Well Status	P&A
Info. Release Date	Released

CASING:

Size x Depth (metric)	Size x Depth (imperial)
406.4 mm x 277m	16" x 909'
340 mm x 727 m	13 3/8" x 2,385'
244 mm x 1,603m	9 5/8" x 5,261'

WELL TEST SUMMARY

Type /Test #	Depth (m)	Recovery	Flow Rate	
RFT #1	2,767.5		-	Fluid filled both chambers, recovered fluids were not formation waters
RFT #2	3,382	mud and filtrate	-	72 cc recovered
RFT #3	3,325	filtrate salt water	-	

GEOLOGIC TOPS :

Formation / Member	Depth ft	Depth (m)
Banquereau Fm	4,294 (bottom)	(1,308.8)
Wyandot Fm	4,292	(1,308.8)
Dawson Canyon Fm	4,666	(1,422.19)
Petrel Mb	4,875	(1,485.90)
Logan Canyon Fm	5,237	(1,596.23)
Marmora Mb	5,237	(1,596.23)
Sable Mb	5,898	(1,797.71)
Cree Mb	6,482	(1,975.71)
Naskapi Mb	8,100	(2,468.88)
Missisauga Fm	8,685	(2,634.99)
(Upper)	8,685	(2,634.99)
("O"Marker)	10,287	(3,135.47)
(Middle) ?	10,471	(3,191.56)
(Approx. top OP)	12,300	(3,749.04)

ADDITIONAL REPORTS AND LOGS:

Well History Report
Borehole Compensated Sonic Log, Run 1-4
Borehole Compensated Sonic Log, Field Print Run 4
Biostratigraphy Summary & Geochemical Interpretation
4-Arm High Resolution Continuous Dipmeter (Computed), Run 1-4
Dual Induction Laterolog, Run 1-4
Simultaneous Compensated Neutron Formation Density, Run 1-3
Caliper Log, Run 1
Master Log (Gas in Cuttings, Drilling Rate etc.)
Dual Induction Laterolog (Field Print), Run 4
Dipmeter Cluster Calculation Listing
Time/Velocity Graph
Weather and Vessel Performance Summary (January)
Weather and Vessel Performance Summary (March)

Weather and Vessel Performance Summary (February)
Sonic Log, Run 1 & 2
Repeat Formation Tester, Run 1-3
Repeat Formation Tester (Field Print), Run 3
Checkshot Survey
Summary Log
Core Photos

SAMPLES

Sample Type	**Interval (m)**	**# of Samples**
Washed Cuttings	289 – 3,749	779
Unwashed Cuttings	289 – 3,749	764
Sidewall Core	748 – 3,417	72
Canned Cuttings (dried)	289 – 3,746	380

Core		**Recovery (m)**
#1	2,779.7 – 2,788.9	9.1
#2	2,839.2 – 2,848.3	7.3

Slides	**Interval (m)**	**# of Slides**	**Sample Source**
Micropaleo slides	289.5 – 3,749.0	116	cuttings
Palynology slides	7,481.0 – 3,416.8	57	sidewall core
Palynology slides	2,840.7	1	core

Onondaga E-84

WELL SUMMARY

GENERAL INFORMATION

D #	2
Location	$43^0$43'16.13"N $60^0$13'17.18" W
Company	Shell
UWI	300E844350060000
Area	Scotian Shelf
Spud Date	September 1, 1969
Well Term. Date	November 11, 1969
Drilling Rig	Sedneth 1
Water Depth (m)	57.9
Rotary Table (m)	25.9
Total Depth MD (m)	3,988
Well Type	Exploration
Classification	Gas Well
Well Status	P&A
Info. Release Date	Released

CASING:

Casing Size x Depth (metric)	**Casing Size x Depth (imperial)**

508 mm x 250 m	20" x 820'
340 mm x 748 m	13 3/8" x 2,455'
244 mm x 2,460 m	9 5/8" x 8,074'

GEOLOGIC TOPS :

Formation / Member	Depth ft	Depth (m)
Banquereau Fm	4,428 (bottom)	(1,349.6)
Wyandot Fm	4,428	(1,349.0)
Dawson Canyon Fm	4,657	(1,419.4)
Petrel Mb	4,788	(1,459.3)
Logan Canyon Fm	5,105	(1,566.0)
Marmora Mb	5,105	(1,566.0)
Sable Mb	5,786	(1,763.5)
Cree Mb	6,303	(1,921.2)
Naskapi Mb	8,210	(2,502.4)
Missisauga Fm	8,863	(2,701.4)
Argo Fm	12,991	(3,959.6)

ADDITIONAL REPORTS AND LOGS:

Biostratigraphic Log
Biostratigraphy of Shell Onondaga E-84
Biostratigraphy Report
Borehole Compensated Sonic Log, Run 1-3
Compensated Formation Density Log, Run 1-3
Directional Log (Computed), Run 1-3
Dual Induction-Laterlog, Run 1-4
Formation Tester, Test 1
Geochemical Evaluation (x-ref. 8623-R5-1P)
Microlog Caliper, Run 1-3
Micropaleontological/Palynological Report
Micropaleontological/Palynological/Source Rock Analysis Report
Micropaleontology, Palynology, & Stratigraphy (x-ref. 8639-C20-1E)
Sidewall Neutron Porosity Log, Run 1
Three Arm Focused Continuous Dipmeter, Run 1-3
Velocity Survey (3 pieces)

SAMPLES

Sample Type	Interval (m)	# of Samples	Remarks
Washed Cuttings	266.7 – 3,983.7	903	
Unwashed Cuttings	266.7 – 3,983.7	903	
Sidewall Core	289 – 3,984.3	239	

Slides			Sample Source
Micropaleo	266.7 - 3,980.6	350	Cuttings
Micropaleo	493.2 - 3,953.2	196	Sidewall Core
Palynology	266.7 - 3,983.7	138	Cuttings
Palynology	784.3 - 1,023.8	7	Sidewall Core
Palynology	493.1 - 3,984.3	145	Sidewall Core
Palynology	1,478.2 - 3,986.7	40	Company Cuttings
Nannofossil	266.7 - 1,834.9	60	Cuttings
Nannofossil	1,886.7 - 3,983.7	76	Cuttings
Nannofossil	679.7 - 2,293.9	37	Sidewall Core

Nannofossil	2,953.2 - 3,760.9	9	Sidewall Core
Nannofossil	266.7 - 396.2	73	Company Cuttings

Onondaga F-75

WELL SUMMARY

GENERAL INFORMATION

D #	33
Company	Shell
Location	$43^0$44'17.84"N $60^0$11'36.25"W
UWI	300F754350060000
Area	Scotian Shelf
Spud Date	July 28, 1971
Well Term. Date	September 7, 1971
Drilling Rig	Sedco H
Total Depth MD (m)	3,891
Water Depth (m)	56.4
Rotary Table (m)	31.4
Well Type	Delineation
Classification	Dry
Well Status	P&A
Info. Release Date	Released

CASING:

Size x Depth (metric)	**Size x Depth (imperial)**
406 mm x 277.4 m	16" x 910'
298.5 mm x 877.5 m	11 ¾ " x 2,879'
244 mm x 1,889.7 m	9 $^{5/8}$ " x 6,200'

GEOLOGIC TOPS

Formation / Member	**Depth ft**	**Depth (m)**
Banquereau Fm	4,390 (bottom)	(1,338.0)
Wyandot Fm	4,390	(1,338.0)
Dawson Canyon Fm	4,750	(1,447.8)
Petrel Mb	4,890	(1,490.4)
Logan Canyon Fm	5,220	(1,591.1)
Marmora Mb	5,220	(1,591.1)
Sable Mb	5,985	(1,824.2)
Cree Mb	6,515	(1,985.7)
Naskapi Mb	8,836	(2,693.2)
Missisauga Fm	9,756	(2,973.6)
(Upper)	9,756	(2,973.6)
(Middle)	10,522	(3,207.1)

ADDITIONAL REPORTS AND LOGS:

Well History Report
Borehole Compensated Sonic Log, Run 1-4

Compensated Formation Density Log, Run 1-3
4-Arm High Resolution Continuous Dipmeter (Computed), Run 1-4
Dual Induction-Laterolog, Run 1-4
Micropaleontological/Paleontological/Source Rock Analysis
Directional Log (Computed), Run 1-4
Velocity Survey
Micropaleontological & Palynological Analysis
Micropaleontology , Palynology and Stratigraphy Report

SAMPLES

Sample Type	**Interval (m)**	**# of Samples**
Washed Cuttings	295.6 – 3,890.7	846
Unwashed Cuttings	295.6 – 3,890.7	846
Sidewall Core	320.1 – 3,887.7	218

Slides	**Interval (m)**	**# of Slides**	**Sample Source**
Micropaleo slides	295.6 – 3,890.7	126	cuttings
Micropaleo slides	320.0 – 3,871.0	119	sidewall core
Palynology slides	320.0 – 3,871.0	152	sidewall core
Palynology slides	789.4 – 1,904.4	48	sidewall core

Onondaga O-95

WELL SUMMARY

GENERAL INFORMATION

D #	22
Company	Shell
Location	43^{0}44'48.10" N 60^{0}13'52.60" W
UWI	300O954350060000
Area	Scotian Shelf
Spud Date	July 9, 1970
Well Term. Date	August 16, 1970
Drilling Rig	Sedco H
Total Depth (m)	3,314
Water Depth (m)	53.9
Rotary Table (m)	31.4
Well Type	Delineation
Classification	Gas Show
Well Status	P&A
Info. Release Date	Released

CASING:

Size x Depth (metric)	Size x Depth (imperial)
406 mm x 295.3 m	16" x 969'
298.5 mm x 641.9 m	11 3/4" x 2,106'
244 mm x 1,504.5 m	9 5/8" x 4,936'

GEOLOGIC TOPS

Formation / Member	Depth ft	Depth (m)
Banquereau Fm	4,320 (bottom)	1,316.7
Wyandot Fm	4,320	1,316.7
Dawson Canyon Fm	4,558	1,389.2
Petrel Mb	4,730	1,441.7
Logan Canyon Fm	5,038	1,535.5
Marmora Mb	5,038	1,535.6
Sable Mb	5,700	1,737.4
Cree Mb	5,228	1,898.3
Naskapi Mb	8,700	2,651.8
Missisauga Fm	9,380	2,859.0
(Upper)	9,380	2,859.0
(Fault)	9,392	2,862.7
("O"Marker?)	9,810	2,990.1
(Middle)	9,990	3,044.9

WELL TEST SUMMARY

Type /Test #	Depth (m)	Recovery	Flow Rate/ Amount
WLT #1	3,265.02	gas	4.2 cu ft.
		saltwater cut mud	9,500 cc

ADDITIONAL REPORTS AND LOGS:

Well History Report
Borehole Compensated Sonic Log, Run 1-4
Compensated Formation Density Log, Run 1 & 2
3-Arm Focused Continuous Dipmeter (Computed), Run 1-3
Dual Induction-Laterolog, Run 1 & 2
Soil & Foundation Investigation, Boring 1
Micropaleontological, Palynological & Source Rock Analysis Report
Micropaleontological & Palynological Reports
Micropalaeotology , Palynology & Stratigraphy (8639-C20-1E)
Sidewall Neutron Porosity Log, Run 1
Formation Tester, Test 1
Polar & Points Plot
Directional Log (Computed), Run 1-3
Induction Electrical Log, Run 1 & 2
Velocity Survey

SAMPLES

SAMPLE TYPE	Interval (m)	# of Samples
Washed Cuttings	310.9 – 3,313.1	572
Unwashed Cuttings	310.9 – 3,313.1	605
Sidewall Core	362.4 – 3,306.2	107

Core	Interval (m)	Recovery (m)
#1	362.4 – 3,275.0	8.8

Slides	Interval (m)	# of Slides	Sample Source
Micropaleo	310.9 - 3,297.9	155	cuttings
Micropaleo	362.4 – 3,286.9	75	sidewall core
Palynology	379.4 – 2,660.9	18	sidewall core
Palynology	2,679.2 – 2,962.6	19	cuttings
Palynology	3,122.3	2	sidewall core
Palynology	3,269.3 - 3,275.1	8	core
Palynology	3,410.4 – 3,306.2	66	sidewall core
Palynology	362.4 – 456.3	3	sidewall core
Nannofossil	310.9 - 3,297.9	95	cuttings

Sable Island 5H-58

WELL SUMMARY

GENERAL INFORMATION

D #	112
Company	Mobil et al
Location	$43^0$57'27.10" N $60^0$07'37.68" W
UWI	300H584400060000
Area	Scotian Shelf
Spud Date	August 15, 1973
Well Term. Date	September 18, 1973
Drilling Rig	Bawden Rig 9
Total Depth (m)	2,478
Water Depth (m)	NA
Rotary Table (m)	10.6
Well Type	Delineation
Classification	Oil Well & Gas
Well Status	P&A
Info. Release Date	Released

CASING:

Size x Depth (metric)	Size x Depth (imperial)
508 mm x 35.5 m	20" x 116.5'
340 mm x 190.5m	13 3/8" x 625'
244 mm x 1,011.9 m	9 5/8" x 3,320'
178 mm x 2,104.6 m	7" x 6,905'

WELL TEST SUMMARY

Type /Test #	Interval (m)	Recovery	Flow Rate / Amount	Remarks
#1	1,913.8 – 1,919.0	gas	87,781 m^3/d	
		condensate	29.6 m^3/d	6.7 mm choke

#2	1,903.8 – 1,905.6	gas	260,513 m^3/d	
		condensate	80.4 m^3/d	12.3 mm choke
#3	1,757.8 – 1,760.2	gas	42,475 m^3/d	
		condensate	215.6 m^3/d	11.9 mm choke
#4	1,630.0 – 1,641.7	gas	19,963 m^3/d	
		oil	244.8 m^3/d	11.9 mm choke
#5	1,491.7 – 1,496.0	water cushion	603.5 m	
		mud	208.2 m	
		gassy salt water	655.3 m	
		sand	137.2 m	

GEOLOGIC TOPS (m):

Formation / Member	**Depth ft**	**Depth (m)**
Banquereau Fm	3,915 (bottom)	1,193.2
Wyandot Fm	3,915	1,193.2
Dawson Canyon Fm	4,188	1,276.5
Petrel Mb	4,535	1,382.2
Logan Canyon Fm	4,927	1,501.7
Marmora Mb	4,927	1,501.7
Sable Mb	6,008	1,831.2
Cree Mb	6,398	1,950.1
Naskapi Mb	8,136	2,479.8
Missisauga Fm	8,575	2,613.6
(Upper)	8,575	2,613.6
("O"Marker)	9,490	2,892.5
(Middle)	9,510	2,898.6

ADDITIONAL REPORTS AND LOGS:

Well History Report
Addendum to Well History Report
Borehole Compensated Sonic Log, Run 1
Simultaneous Compensated Neutron Formation Density, Run 1
4-Arm High Resolution Continuous Dipmeter (Computed), Run 1
4-Arm High Resolution Continuous Dipmeter, Run 1
Dual Induction Laterolog, Run 1
Electronic Thickness Tool Log, Run 1
Completion Record
Mud History Log
Directional Log, Run 1
Partial Reservoir Fluid Study
Gas Analysis
Daily Drilling Record (Bit Penetration Rate etc.)

SAMPLES

Sample Type	**Interval (m)**	**# of Samples**
Washed Cuttings	1,030.2 – 2,478.0	382
Unwashed Cuttings	1,030.2 – 2,478.0	382

Core	Interval (m)	Recovered (m)
#1	1,463.01 – 1,481.32	8.23
#2	1,572.78 – 1,581.91	7.8
#3	1,903.47 – 1,912.62	8.8

Recovered Fluids

Test #	Interval (m)	Recovery	Recovered from
#1		Condensate	Stocktank
#2		Condensate	Stocktank
#3		Oil	Stocktank
#4		Oil	Stocktank

Sable Island C-67

WELL SUMMARY

GENERAL INFORMATION

D #	1
Company	Mobil et al
Location	43^{0}56'04.90" N 59^{0}55'01.40" W
UWI	300C674400059450
Area	Scotian Shelf
Spud Date	June 7, 1967
Well Term. Date	January 2, 1968
Drilling Rig	Bawden Rig 18
Total Depth (m)	4,604
Water Depth (m)	3.9
Rotary Table (m)	8.2
Well Type	Exploratory
Classification	Dry
Well Status	P&A
Info. Release Date	Released

CASING:

Size x Depth (metric)	Size x Depth (imperial)
508 mm x 171.6 m	20” x 563’
340 mm x 918.1 m	13 $^{3/8}$” x 3,012’
244 mm x 3,258.3 m	9 $^{5/8}$” x 10,690’
193.6 mm x 4,542.1 m	7 ” x 14,902’

WELL TEST SUMMARY

Type /Test #	Interval (m)	Recovery	Flow Rate	Remarks
DST #1	1,252.7 – 1,275.8	mud	-	228 m recovered
		muddy water	-	228 m recovered
		salt water	-	465.4 m recovered

			-	
DST #2	2,132.3 – 2,141.5	water	-	1,036 m recovered
		cushion		
		drill mud	-	121.9 m recovered
		muddy water	-	30.4 m recovered
		salt water	-	632.4 m recovered
		trace gas	-	
DST #3	4,448.2 – 4,604.3	-	-	misrun
DST #4	4,448.2 – 4,604.3	gas cut mud	-	54.8 m recovered below the pumpout sub.
		gas and oil	-	bottom-hole sampling contained gas and 50cc of oil (39° API)

GEOLOGIC TOPS (m):

Formation / Member	Depth ft	Depth (m)
Banquereau Fm	860	(262.1)
Wyandot Fm	4,470	(1,362.4)
Dawson Canyon Fm	4,670	(1,362.4)
Petrel Mb	4,905	(1,495.0)
Logan Canyon Fm	5,248	(1,599.5)
Marmora Mb	5,248	(1,599.5)
Sable Mb	6,106	(1,861.1)
Cree Mb	6,482	(1,975.7)
Naskapi Mb	8,945	(2,726.4)
Missisauga Fm	9,411	(2,868.4)
(Upper)	9,411	(2,868.4)
(“O”Marker)	10,310	(3,142.4)
(Middle)	10,340	(3,151.6)
(Lower)	13,099	(3,992.5)
(Approx. top OP)	14,399	(4,388.8)

ADDITIONAL REPORTS AND LOGS:

Paleontological Studies
Biostratigraphic Log Encl. 15
Poteclinometer Continuous Dipmeter (computed), Run 1-9
Borehole Compensated Sonic Log, Run 1
Borehole Compensated Sonic Log, Run 2
Borehole Compensated Sonic Log, Run 3
Borehole Compensated Sonic Log, Run 4
Borehole Compensated Sonic Log, Run 5
Borehole Compensated Sonic Log, Run 6
Borehole Compensated Sonic Log, Run 7
Borehole Compensated Sonic Log, Run 8
Borehole Compensated Sonic Log, Run 9
Borehole Compensated Sonic Log, Run 10
Borehole Compensated Sonic Log, Run 11
Borehole Compensated Sonic Log, Run 12
Caliper Log, Run 1

Bariod Shale Density Log
Induction Electrical Log, Run 1
Induction Electrical Log, Run 2
Induction Electrical Log, Run 3
Induction Electrical Log, Run 4
Induction Electrical Log, Run 5
Induction Electrical Log, Run 6
Induction Electrical Log, Run 7
Induction Electrical Log, Run 8
Induction Electrical Log, Run 9
Induction Electrical Log, Run 10
Induction Electrical Log, Run 11
Induction Electrical Log, Run 12
Induction Electrical Log, Run 13
Microlog Caliper Log, Run 1,
Microlog Caliper Log, Run 2
Microlog Caliper Log, Run 2A
Microlog Caliper Log, Run 3
Microlog Caliper Log, Run 4
Microlog Caliper Log, Run 5
Microlog Caliper Log, Run 6
Microlog Caliper Log, Run 7
Microlog Caliper Log, Run 8
Gamma Ray-Neutron Log, Run 1
Gamma Ray-Neutron Log, Run 2
Formation Tester, Test 8
Formation Tester, Test 3,4,5,6
Formation Tester, Test 10,11,12,13
Formation Tester, Test 14,15
Formation Tester, Test 18,19,20, 21
Cement Bond Log, Run 1
Cement Bond Log, Run 2
Compensated Formation Density Log, Run 1
Compensated Formation Density Log, Run 2
Compensated Formation Density Log, Run 3
Compensated Formation Density Log, Run 4
Compensated Formation Density Log, Run 5
Compensated Formation Density Log, Run 6
Compensated Formation Density Log, Run 7
Bariod ppm Log
Seismic Reference Geophysical Log, Run 1-11
Velocity Survey
Sonigram Velocity Analysis, Mylar
Sonigram Velocity Analysis, Paper
Micropaleontology, Palynology & Stratigraphy Report
Micropalaeontological Analysis Encl. 8B
Micropalaeontological Analysis Encl. 8D
Micropalaeontological Analysis Encl. 8C
Micropalaeontological Analysis Encl. 8A
Geographic Location of Mobil Sable Island No 1 (Survey Plot)
OTIS Caliper Survey

SAMPLES

Sample Type	**Interval (m)**	**# of Samples**
Washed Cuttings	0 – 4,604.3	1,476

Unwashed Cuttings	0 – 4,604.3	1,499
Sidewall Core	54.2 – 4,604.3	179
Canned Cuttings (dried)	30.4 – 4,132.7	229

Core

Core #	**Interval (m)**	**Recovery (m)**
1	2,470.7 – 2,481.3	9.9
2	2,828.5 – 2,837.3	8.5
3	3,368.9 – 3,378.0	9.4
4	4,084.6 – 4,093.7	9.1

Slides	**Interval (m)**	**# of Slides**	**Sample Source**
Micropaleo	0 - 4,596.3	301	cuttings
Micropaleo	54.2 – 4,541.2	260	sidewall core
Micropaleo	2,474.5 – 4,093.7	61	core
Palynology	0 – 4,596.3	274	cuttings
Palynology	2,474.5 – 4,093.7	46	core
Palynology	971.1 – 2,295.1	26	sidewall core
Palynology	54.2 - 4,541.2	209	sidewall core
Palynology	2,477.4 - 4,093.7	18	core
Palynology	574.2 – 900.1	4	sidewall core
Nannofossil	0 – 4,596.3	151	cuttings
Nannofossil	271.8 – 3,925.2	20	sidewall core
Thin Sections	2,473.4 – 3,378.1	6	core

Sable Island E-48

WELL SUMMARY

GENERAL INFORMATION

D #	39
Company	Mobil et al
Location	$43^0$57'20.35"N $60^0$07'24.44"W
UWI	300E484400060000
Area	Scotian Shelf
Spud Date	May 28, 1971
Well Term. Date	October 15, 1971
Drilling Rig	Bawden Rig 14
Total Depth (m)	3,603
Water Depth (m)	NA
Rotary Table (m)	6.4
Well Type	Exploration
Classification	Oil Well & Gas
Well Status	P&A
Info. Release Date	Released

CASING:

Size x Depth (metric)	**Size x Depth (imperial)**
762 mm x 24.28 m	30” x 80’

508 mm x 139.5 m	20" x 458'
340 mm x 914.4 m	13 3/8" x 3,000'
244 mm x 2,541.2 m	9 5/8" x 8,337.8'

WELL TEST SUMMARY

Type /Test #	Interval (m)	Recovery	Flow Rate (m^3/d)	Remarks
DST #1	1,133.8 – 1,172.6	gas-cut mud	-	
		water-cut mud filtrate	-	33,000 ppm NaCl
DST #2	1,716.0 – 1,167.9	-	-	misrun
DST #3	1,716.0 – 1,767.9	gas	56,333 – 127,425	
		condensate		442 m recovered, 57° API
DST #4	1,806.0 – 1,823.6	gas	339,799 - 396,432	
		condensate	-	137.2 m recovered, 64 ° API
DST #5	2,226.6 – 2,243.0	gas	424,749	
		condensate	-	79.2m recovered
DST #6	2,962.7 – 2,981.0	-	-	misrun
DST #7	2,973.7 – 2,982.8	gas	-	TSTM
		mud	-	54.9 m
DST #8	2,945.6 – 2,955.4	-	-	misrun
Prod. Test #1	2,285.3 – 2,286.6	gas	299,306	
		condensate	100.8	56.4 ° API , 23.8 mm choke
Prod. Test #2	2,235.7 – 2,239.6	gas	286,281	
		condensate	132	59.4 ° API, 23.8 mm choke
Prod. Test #3	2,206.1 – 2,210.7	gas	198,782	
		condensate	263.9	56.1 ° API, 23.8mm choke
Prod. Test #4	2,194.4 – 2,195.7	gas	105,555	
		condensate	113.7	58.4 ° API, 8.7 mm choke
Prod. Test #5	2,173.3 2,176.9	gas	19,800	
		water and condensate	230.5	230.5 ° API, 9.5 mm choke

Prod. Test #6	2,002 – 2,002.6	gas oil	28,317 125.6	 51.5 ^{o} API, 6.7 mm choke
Prod. Test #7	2,147 – 2,147.6	formation water sand	-	457.2 m recovered, 90,000 ppm NaCl 3 stands
Prod. Test #8	2,133.6 – 2,134.2	gas oil	22,144 87.4	 59.2^{o} API, 6.4mm choke
Prod. Test #9	2,058.6 – 2,059.9	gas oil water	70,508 65.2 88.2	 54.8 ^{o} API, 90,000 ppm NaCl choke washed out
Prod Test #10	2,032.4 – 2,035.9	gas condensate	39,643 42.9	 8.7 mm choke
Prod. Test #11	1,973 – 1,974	gas condensate water	39,643 21 60.7	 52.7 ^{o} API 80,000 ppm NaCl, 9.5mm choke
Prod. Test #12	1,908.7 – 1,909.6	gas condensate water	80, 702 20.2 4.7	 61 ^{o}API 80,000 ppm NaCl. 11.1mm choke
Prod. Test # 13	1,810 -,812.4	gas condensate water	124,593 116.5 2.5	 56 ^{o} API 9.5 mm choke
Prod. Test #14	1,630.7 – 1,631.9	gas oil	84,950 81.9	 7.1 mm choke
Prod. Test #15	1,586.2 – 1,588.3	gas oil	5,663 58.8	 5.2 mm choke
Prod. Test #16	1,460 – 1,461.5	gas oil	5,663 62	 5.6 mm choke
Prod. Test #17	1,533.8 – 1,535.0	gas oil	4,247 70	 5.6 mm choke
Prod Test #18	1,397.0 – 1,398.4	gas	155,741	12.7 mm choke
Prod. Test #19	1,366.1 – 1,368.9	gas	69,376	10.3 mm choke

Prod. Test # 20	1,143.6 – 1,147.9	gas	-	TSTM
		water	-	recovered 152.4 m
		cushion		
		salt water		249.9 m (110,000 ppm NaCl)
Prod. Test #21	1,431.1 – 1,432.6	gas	113,833	10.3 mm choke
Completion Test	1,460 – 1,461.5	gas	36,812	
		oil	457.7	25.4 mm choke

GEOLOGIC TOPS (m):

Formation / Member	**Depth ft**	**Depth (m)**
Banquereau Fm	3,616 (bottom)	1,105.15
Wyandot Fm	3,716	1,132.63
Dawson Canyon Fm	3,990	1,216.15
PetrelMb	4,375	1,333.50
Logan Canyon Fm	4,582	1,376.59
Marmora Mb	4,582	1,376.59
Sable Mb	5,488	1,672.74
Cree Mb	5,800	1,767.84
Naskapi Mb	7,872	2,399.38
Missisauga Fm	8,270	2,520.69
(Upper)	8,270	2,520.69
(“O”Marker)	9,070	2,764.53
(Middle)	9,230	2,813.30
(Caprock)	9,562	2,914.49
Argo Fm	9,796	2,985.82

ADDITIONAL REPORTS AND LOGS:

Well History Report
Borehole Compensated Sonic Log, Run 1-5
Compensated Formation Density Log, Run 1-5
4-Arm High Resolution Continuous Dipmeter (Computed), Run 1-4
4-Arm High Resolution Continuous Dipmeter Run 1-4
Dual Induction-Laterlog, Run 1-5
Three-Arm Caliper, Run 1
Directional Log (Computed), Run 1-4
Completion Record
Sidewall Neutron Porosity Log, Run 1-4
Plan and Field Notes
Paleontological Summary
Well History Appendices 4,7,8, Books 2 of 7
Well History Appendix 9, Books 3 of 7
Well History Appendices 10,11, Books 4 of 7
Well History Appendix 12, Books 5 of 7
Well Log-Drilling Rate & Mud Gas Analysis
Stratigraphic Column & Paleontological Analysis
Fluid (Gas) Analysis
Reservoir Fluid Study Production Tests (9B, 10, 11 & 13)

Geophysical -Continuous Velocity Well Log
Seismic Reference Service-Geophysical Log
Micropalaeontology, Palynology and Stratigraphy Report

SAMPLES:

Sample Type	Interval (m)	# of Samples
Washed Cuttings	1,524 – 3,596.64	781
Unwashed Cuttings	1,524 – 3,596.64	780
Sidewall Core	58.15 – 11,780	110
Canned Cuttings (dried)		

Slides	Interval (m)	# of Slides	Sample Source
Micropaleo	152.4 – 3,503.67	130	cuttings
Micropaleo	191.4 – 1,761.74	8	sidewall core
Palynology	354.78 – 2,919.6	69	co. sidewall core
Palynology	341.3 – 3,544.8	10	cuttings
Palynology	2,244.3 – 2,249.4	12	core
Palynology	179.8 – 3,563.1	109	cuttings

Recovered Fluids

Test #	Interval (m)	Recovered	Recovered from
DST #3	-	oil	-
DST #5	-	condensate	-
DST #16	1,459.9 – 1,461.5	oil	-
Prod. Test #16	1,459.9 – 1,461.5	oil	-

South Sable B-44

WELL SUMMARY

GENERAL INFORMATION

D #	312
Company	Mobil et al
Location	43°53’06.73”N 59°51’42.09”W
UWI	300B444400059450
Area	Scotian Shelf
Spud Date	March 27, 1988
Well Term. Date	July 13. 1988
Rig Release Date	July 08,1988
Drilling Rig	Rowan Gorilla I
Total Depth (m)	5,208
Water Depth (m)	35.9
Rotary Table (m)	42.1
Well Type	Exploration
Classification	Gas Well
Well Status	P&A
Info. Release Date	Released

CASING:

Size x Depth (metric)	Size x Depth (imperial)
914 mm x 194 m	36" x 636'
473 mm x 865 m	18 5/8" x 2,838'
340 mm x 2,838 m	13 3/8" x 9,310.7'
244 mm x 4,108 m	9 5/8" x 13,477.7'

FLUID TESTS

Type /Test #	Interval (m)	Recovery	Flow Rate / Amount
DST #1	3,641 – 3,648	gas	67,920 m^3/d
		oil	18.76 m^3/d
		water	7.47 m^3/d

GEOLOGIC TOPS (m):

Formation / Member	Depth m
Banquereau Fm	1,432 (bottom)
Wyandot Fm	1,432.2
Dawson Canyon Fm	1,542.3
Petrel Mb	1,602
Logan Canyon Fm	1,711.5
Marmora Mb	1,711.5
Sable Mb	1,975.5
Cree Mb	2,096.0
Naskapi Mb	2,900.0
Missisauga Fm	3,052.0
(Upper)	3,052.0
("O" marker)	3,331.0
(Middle)	3,335.0
(~Top OP)	4,052.0
(Lower)	4,606.2
(Fault Zone)	4,980.3
Verrill Canyon Fm ?	4,980.3

ADDITIONAL REPORTS AND LOGS:

Well History Report
Core Analysis Report
Water Analysis
Sampling Log- DST #1
Preliminary Plots vs Time
Core Photo's (Whole Diameter), Core 1
Core Photo's (Slabbed), Core 1
Cement Volume Log, Trip 3-5
Phasor Induction-SFL/Dual Induction-SFL, Trip 1-5
Completion Record- Zone #1, Trip 7
Natural Gamma Ray Spectrometry Log, Trip 3 & 4
Core Sample Taker Results, Trip 3-5
Stratigraphic High Resolution Dipmeter, Trip 3-5
Microlog, Trip 3-5
Borehole Geometry Log, Trip 1
Dual Dipmeter, Trip 3-5
Simultaneous Compensated Neutron-Litho Density, Trip 3-5
Perforating Depth Control Log, Trip 6

Cement Bond Log Variable Density, Trip 5
Auxiliary Measurements Log, Trip 3-5
Formation Evaluation Log

SAMPLES

SAMPLE TYPE	**Interval (m)**	**# of Samples**	**Remarks**
Washed Cuttings	890 -5,207	715	
Unwashed Cuttings	890 – 5,207	715	
Canned Cuttings (dried)	890.0 – 5,207.5	433	
Slides:	**Interval (m)**	**# of Slides**	**Sample Source**
Micropaleo slides	885.0 – 5,207.5	146	Cuttings
Core:	**Interval (m)**	**Recovery (m)**	**# Boxes**
Core #1	3,934.0 – 3,940.3	6.3	10
Recovered Fluids:	**Interval (m)**	**Recovered**	**Recovered from**
DST 1	3,461 – 3,467.8	Condensate	Stocktank

South Venture O-59

WELL SUMMARY

GENERAL INFORMATION

D #	217
Company	Mobil et al
Location	$43^0$58'52.83" N $59^0$38'08.49" W
UWI	300O594400059300
Area	Scotian Shelf
Spud Date	April 29, 1982
Well Term. Date	November 30, 2000
Drilling Rig	Rowan Juneau
Total Depth (m)	6,176
Water Depth (m)	24.0
Rotary Table (m)	35.4
Well Type	Exploration
Classification	Gas Well
Well Status	P&A
Info. Release Date	Released

CASING:

Size x Depth (metric)	**Size x Depth (imperial)**
914 mm x 186m	36” x 610.2’
610 mm x 509 m	24” x 1,669.9’
473mm x 1,421 m	18 5/8” x 4,662.0’
340 mm x 3,080 m	13 3/8” x 10,104.9’
244 mm x 4,763 m	9 5/8” x 15,626.6’
178 mm x 5,750 m	7” x 18,864.8’

127 mm x 6,170 m 5” x 20,242.7’

WELL TEST SUMMARY

Type /Test #	Interval (m)	Recovery	Flow Rate / Amount	Remarks
DST #1	5,925 – 5,943	-	-	misrun
DST #2	5,925 – 5,943	-	-	no recovery
DST #3	5,849 – 5,861	-	-	no recovery
DST #4	5,667 – 5,674	-	-	no recovery
DST #5	5,035 – 5,050	gas condensate	183 x 10^3 m^3/d 10.6 m^3/d	
DST #6	4,865 – 4,890	-	-	no recovery
DST #7	4,474 – 4,765	gas condensate water	224 x10^3 m^3/d 113.6 m^3/d 1.6 m^3/d	
DST# 8	4,602 – 4,607			misrun
DST #9	4,602 – 4,607			no recovery
DST #10	4,255 – 4,267	gas condensate water	379 x10^3 m^3/d 113.6 m^3/d 6.0 m^3/d	
DST #11	4,209 – 4,217	gas condensate water	391 x 10^3 m^3/d 73 m^3/d 5.2 m^3/d	
DST #12	4,020 – 4,030	gas condensate water	515x10^3 m^3/d 84.7 m^3/d 5.2 m^3/d	
DST #13	3,985 – 3,991	gas condensate water	46 x10^3 m^3/d 96.3 m^3/d 6.1 m^3/d	
DST #14	3,926 – 3,932	gas condensate water	46 x10^3 m^3/d 144 m^3/d 14.9 m^3/d	

GEOLOGIC TOPS (m):

Banquereau Fm	1,399 (bottom)
Wyandot Fm	1,399
Dawson Canyon Fm	1,532.8
PetrelMb	1,587.2

Logan Canyon Fm	1,696.0
Marmora Mb	1,696.0
Sable Mb	1,953.5
Cree Mb	2,057.1
Naskapi Mb	2,871.7
Missisauga Fm	3,003.9
(Upper)	3,003.9
("O"Marker)	3,420.0
(Middle)	3,425.0
(Lower)	4,335.0
(Approx. top OP)	4,450.0
Mic Mac Fm	5,776.3

ADDITIONAL REPORTS AND LOGS:

Well History Report
Arrow Plot from Cluster Program, Run 1
Arrow Plot from Cluster Program, Run 2
Directional Survey, Run 1
Directional Survey, Run 2
Directional Log (Computed), Run 1-4
Borehole Geometry Logs with Cement Volume Logs, Run 1-6
Depth Derived Borehole Compensated Sonic Log, Run 1-8
Simultaneous Compensated Neutron-Formation Density, Run 1-5
Four-Arm High Resolution Continuous Dipmeter (Computed), Run 1-4
Repeat Formation Tester, Run 1-5
Dual Induction-SFL, Run 1-6
Dual Laterolog Micro SFL, Run 1-3
Dual Laterolog Micro SFL (Reduced Mylar)
Dual Induction-SFL (Reduced Mylar)
Compensated Neutron-Formation Density (Reduced Mylar)
Well History Log
Mud-Gas Log
Cement Bond Variable Density Log, Run 1
Completion Record (Field Prints), Run 1,
Completion Record (Field Prints), Run 2
Completion Record (Field Prints), Run 3
Completion Record (Field Prints), Run 4
Completion Record (Field Prints), Run 5
Completion Record (Field Prints), Run 6
Completion Record (Field Prints), Run 7
Completion Record (Field Prints), Run 11
Completion Record (Field Prints), Run 12
Completion Record (Field Prints), Run 13
Completion Record (Field Prints), Run 14
Completion Record (Field Prints), Run 15
Completion Record (Field Prints), Run 16
Completion Record (Field Prints), Run 17
Cement Bond-Variable Density Log and Borehole Compensated Sonic Log, Run1
Fluid and Gas Properties
Trace Sulphur Analysis, Oil, Gas and Water Analysis
Drillstem Test Reports #'s 1-5
Drillstem Test Reports #'s 6-10
Drillstem Test Reports #'s 11-14
Well Test Interpretation Report, DST #5,
Well Test Interpretation Report, DST # 7

Cement Bond Variable Density Log (Field Print), Run 2
Well Test Interpretation Report, DST # 5
Well Test Interpretation Report, DST # 7
Well Test Interpretation Report, DST # 10
Well Test Interpretation Report, DST # 11
Well Test Interpretation Report, DST # 12
Well Test Interpretation Report, DST # 14
Well Test Interpretation Report, DST # 13
Well Test Report DST # 1-14
Directional Survey, Run 1
Directional Survey, Run 3
Technical Report Subsurface Pressure Survey, DST #1
Technical Report Subsurface Pressure Survey, DST # 2
Technical Report Subsurface Pressure Survey, DST #8
Computerized Technical Data Analysis, DST # 3
Computerized Technical Data Analysis, DST # 4
Computerized Technical Data Analysis, DST # 6
Computerized Technical Data Analysis, DST # 9
Well Test Interpretation Report, DST # 13
Hydrocarbon Source Facies Analysis
Mobil Long Spacing Sonic Log (Field Print), Run 2
Mobil Long Spacing Sonic Log (Field Print), Run 5
Biostratigraphy Report
Well Seismic Report (Logs)

SAMPLES

Sample Type	Interval (m)	# of Samples	Remarks
Washed Cuttings	520 – 6,170	802	vials
Unwashed Cuttings	520 – 6,170	802	bags
Sidewall Core	4,779 – 5,995	67	vials
Canned Cuttings (dried)	520 – 6,090	422	bags

Slides	Interval (m)	# of Slides	Sample Source
Micropaleo slides	520- 6,170	139	cuttings
Palynology slides	520 - 3,350	69	cuttings
Palynology slides	3,395 – 4,730	23	cuttings
Palynology slides	3,380 – 6,170	68	cuttings

Thebaud C-74

WELL SUMMARY

GENERAL INFORMATION

D #	295
Company	Mobil et al
Location	$43^0$53'05.34"N $60^0$11'35.62"W
UWI	300C744400060000
Area	Scotian Shelf
Spud Date	March 29, 1986

Well Term. Date	September 26, 1986
Drilling Rig	Rowan Gorilla I
Total Depth (m)	5,150
Water Depth (m)	29.6
Rotary Table (m)	41.8
Well Type	Delineation
Classification	Gas Well
Well Status	P&A
Info. Release Date	Released

CASING:

Size x Depth (metric)	**Size x Depth (imperial)**
914 mm x 201.63 m	36" x 661.5'
473 mm x 859.32 m	18 5/8" x 2,891.3'
340 mm x 3,100.85 m	13 3/8" x 10,173.4'
244 mm x 4,091.27m	9 5/8" x 13,422.8'
178 mm x 4,447.03 m	7 5/8" x 14,489.9'
114 mm x 5,148 m (liner)	4 1/2" x 16,889.7'

WELL TEST SUMMARY

Type /Test #	**Interval (m)**	**Recovery**	**Flow Rate (m^3/d)**	**Remarks**
DST #1	5,016 – 5,022		misrun	
DST #2	4,748 – 4,761	gas condensate	1.33×10^6 29.4	
DST #3	4,682 – 4,697	gas condensate water	741,640 40.9 36.7	
DST #4	4,508 – 4,521	gas condensate water	871,640 49.6 15.3	
DST #5	4,508 – 4,521	gas condensate water	1.35×10^6 62.2 10.2	
DST #6	4,405 – 4,421	gas condensate	1.31×10^6 53.9	
DST #7	4,311 – 4,318	gas condensate	183,950 8.6	
DST #8	3,914 – 3,930	gas condensate	950,880 115.3	
DST #9	3,865 – 3,888	gas condensate	877,300 95.1	

GEOLOGIC TOPS	**Depth m:**
Banquereau Fm	1,260.5
Wyandot Fm	1,260.5
Dawson Canyon Fm	1,301.0
Petrel Mb	1,421.0
Logan Canyon Fm	1,519.0
Marmora Mb	1,519.0
Sable Mb	1,766.6
Cree Mb	1,870.0
Naskapi Mb	2,525.0
Missisauga Fm	2,647.0
(Upper)	2,647.0
("O"Marker)	2,891.0
(Middle)	2,944.0
(Lower)	3,758.5
(Approx. top OP)	3,800.0

ADDITIONAL REPORTS AND LOGS:

Well History Report
Depth Derived Borehole Compensated Sonic, Run 1-7
Electromagnetic Propagation Log, Run 1 & 2
Microlog, Run 1-3
Natural Gamma Ray Spectrometry Log, Run 1 & 2
Repeat Formation Tester, Run 1
Cement Bond Variable Density Log, Run 1
Auxiliary Measurements Log, Run 1-4
Borehole Geometry Log, Run 1
Core Sample Taker Summary, Run 1 & 2
Simultaneous Compensated Neutron-Litho Density, Run 1-4
Dual-Sonic Composite Presentation, Run 1-7
Dual Induction-SFL, Run 1-7
RFT Quicklook (Field Log), Run 2
Mechanical Properties Log, Run 2
Mechanical Properties Report
Mud-Gas Log
Well History Log
Mud Log
Simultaneous Compensated Neutron-Litho Density (Reduced Mylar)
Dual Induction-SFL (Reduced Mylar)
Well History Summary (Mud Report)
Drill Stem Test Results, DST 1-9
Otis Well Test Report
Final Well Report (Mud Report)
Electrical Property Analyses
Pressure Analysis Reports-DST #1, Zone 1, Sand J1
Pressure Analysis Reports-DST #2, Zone 2, Sand H2
Pressure Analysis Reports-DST #3, Zone 3, Sand H1
Pressure Analysis Reports-DST #4, Zone 4, Sand G Lower
Pressure Analysis Reports-DST #5, Zone 4, Sand G Lower
Pressure Analysis Reports-DST #6, Zone 6, Sand F3
Pressure Analysis Reports-DST #7, Zone 7, Sand F1
Pressure Analysis Reports-DST #8, Zone 8, Sand B
Pressure Analysis Reports-DST #9, Zone 9, Sand A
Rock Mechanics Analysis
Saturation Pressure Determinations

Multi Pressure Analysis by Automated CMS-200
Hydrocarbon Liquid Analysis
Hydrocarbon Compositional Analysis
Oil & Water Analysis
Benzene-Toluene Analysis
DST #1, J-Zone
DST #2, H2-Zone
Special Core Analysis-Mississauga Formation
Core Photo's (Slabbed), Core 1-6
Core Analysis-Horizontal/Vertical/Humidity & Oven Dried
Sampling Log, DST # 1-9
Formation Testing-Technical Report, DST #2
Preliminary Core Analysis
Hydrocarbon Source Facies Analysis
Jack-Up Rig Foundation Analysis
Stratigraphic High-Resolution Dipmeter, Run 2
Stratigraphic High-Resolution Dipmeter, Run 3
Volan Composite Laminated Sand Analysis, Run 2
Special Core Analysis Study-Thebaud I-93 & Thebaud C-74
Sampling Log & Fluid Properties Log, DST # 1-9
Hydrocarbon Liquid Analysis & Gas Analysis

SAMPLES

Sample Type	**Interval (m)**	**# of Samples**
Washed Cuttings	875 - 5,090	790
Unwashed Cuttings	875 – 5,090	776
Sidewall Core	3,278.45 – 5,082.00	15
Canned Cuttings (dried)	880 – 5,150	389

Core

Core #	**Interval (m)**	**Recovered (m)**
1	3,856.63 – 3,873.26	16.63
2	3,874.92 – 3,883.86	8.94
3	3,890.52 – 3,891.08	0.56
4	3,891.08 – 3,903.92	12.84
5	3,905.10 – 3,909.35	4.25
6	3,909.67 – 3,926.83	17.16

Slides	**Interval (m)**	**# of Slides**	**Sample Source**
Micropaleo slides	630 – 5,360	159	cuttings
Micropaleo slides	925 – 5,665	119	sidewall core
Nannofossil slides	1,520 – 5,090	123	cuttings
Palynology slides			sidewall core

Recovered Fluids

Test / Test #	**Interval (m)**	**Recovererd**	**Recovered From**
DST #2, Zone 2	4,748 – 4,761	condensate	separator
DST #3, Zone 3	4,682 – 4,697	condensate	separator
DST #4, Zone 4	4,508 – 4,521	condensate	separator
DST #6, Zone 6	4,405 – 4,421	condensate	separator
DST #7, Zone 7	4,311 – 4,318	condensate	separator
DST #8, Zone 8	3,914 – 3,930	condensate	separator
DST #9, Zone 9	3,865 – 3,888	condensate	separator

DST# 2, Zone 2	4,748 – 4,761	water	separator
DST# 3, Zone 3	4,682 – 4,697	water	separator
DST# 5, Zone 4	4,405 – 4,421	water	separator
DST# 6, Zone 6	4,405 – 4,421	water	separator
DST# 7, Zone 7	4,311 – 4,318	water	separator
DST# 8, Zone 8	3,914 – 3,930	water	separator
DST# 9, Zone 9	3,865 - 3,888	water	separator

Thebaud I-93

WELL SUMMARY

GENERAL INFORMATION

D #	271
Company	Mobil et al
Location	$43^0$52'44.54" N $60^0$13'50.94" W
UWI	300I934400060000
Area	Scotian Shelf
Spud Date	March 27, 1985
Well Term. Date	September 30, 1985
Drilling Rig	Rowan Juneau
Total Depth (m)	5,166
Water Depth (m)	31
Rotary Table (m)	37
Well Type	Delineation
Classification	gas well
Well Status	P&A
Info. Release Date	Released

CASING:

Size x Depth (metric)	Size x Depth (imperial)
914 mm x 208 m	36" x 628.4'
473 mm x 915 m	218 5/8" x 3,001.9'
338 mm x 3,096 m	13 3/8" x 10,157.4'
244 mm x 4,018 m	9 5/8" x 13,182.4'
178 mm 4,703 m	7 " x 15,429.7'

WELL TEST SUMMARY

Type /Test #	Interval (m)	Recovery	Flow Rate (m^3/d)	Remarks
DST #1	4,685 – 4,660	-		no flow
DST #2	4,614.5 – 4,624.5	-		no flow
DST #3	4,318 – 4,344	-		misrun
DST #4	4,318 – 4,093	gas		TSTM, flow not

				stabilized
DST #5	4,080 – 4,093	gas	849,000 – 132,000	estimate
DST #6	3,997 – 4,000	gas water	 12.9	TSTM
DST #7	3,931 – 3,933	gas	747,120	
DST #8	3,912 – 3,919.5	gas condensate sand	16,970 22.9	
DST #9	3,711 – 3,720	-		no flow, recovered W.C.

GEOLOGIC TOPS

Formation / Member	**Depth (m)**
Banquereau Fm	1,280.7
Wyandot Fm	1,280.7
Dawson Canyon Fm	1,310.0
PetrelMb	1,428.0
Logan Canyon Fm	1,526.5
Marmora Mb	1,526.5
Sable Mb	1,771.0
Cree Mb	1,870.7
Naskapi Mb	2,538.5
Missisauga Fm	2,651.0
(Upper)	2,651.0
(“O”Marker)	2,906.7
(Middle)	2,962.5
(Lower)	3,792.5
(Approx. top OP)	3,915.0

ADDITIONAL REPORTS AND LOGS:

Simultaneous Compensated Neutron-Formation Density, Run 1-3
Dual Induction-SFL, Run 1-4
Depth Derived Borehole Compensated Sonic Log, Run 1-5
Natural Gamma Ray Spectroscopy Log, Run 1-3
Directional Survey, Run 1
Production Record-Plugs & Packers (Field Log), Run 25
Repeat Formation tester, Run 1 & 2
High Resolution Continuous Dipmeter, Run 1-3
Core Sample Taker Results, Run 1 & 2
Well History Log
Mud-Gas Log
Simultaneous Compensated Neutron-Formation Density (Reduced Mylar)
Depth Derived Borehole Compensated Sonic Log (Reduced Mylar)
Dual Induction-SFL (Reduced Mylar)
Well Test Report
Drill Stem Test Results, DST 1-10
Partial Reservoir Fluid Study, DST 7, Zone 6
Partial Reservoir Fluid Study, DST 8, Zone 7

Hydrocarbon Liquid Analysis
Water & Oil Analysis
Cuttings Sample Description
Core Photo's (Slabbed), Core 1-6
Core Analysis
Pressure Profile
Multi Pressure Analysis by Automated CMS-200
Hydrocarbon Source Facies Analysis
Pressure Data Report (Well Test Data Printout)
Well Seismic Report
Well Seismic Results (Field Log), Run 3
Hydrocarbon Source Facies Analysis
Jack-Up Rig Foundation Analysis
Arrow Plot, Run 1
Pressure Analysis Report-DST#1
Pressure Analysis Report-DST#2
Pressure Analysis Report-DST#3
Pressure Analysis Report-DST#4
Pressure Analysis Report-DST#5
Pressure Analysis Report-DST#6
Pressure Analysis Report-DST#7
Pressure Analysis Report-DST#8
Pressure Analysis Report-DST#9
Pressure Analysis Report-DST#10
West Sable Exploration License Reservoir Quality Study, Offshore Nova Scotia. (Includes Thebaud C-74, Thebaud I-93, Migrant N-20, & Alma F-67)

SAMPLES

Sample Type	**Interval (m)**	**# of Samples**
Washed Cuttings	925 – 5,165	783
Unwashed Cuttings	925 – 5,165	788
Sidewall Core	3,109 - 4,997	37
Canned Cuttings (dried)	930 – 5,160	423

Core

Core #	**Interval (m)**	**Recovered (m)**
1	3,065.68 – 3,081.27	15.59
2	3,358.29 – 3,364.11	5.82
3	3,914.85 – 3,929.79	14.94
4	3,932.22 – 3,934.75	2.53
5	3,935.88 – 3,950.36	14.48

Slides	**Interval (m)**	**# of Slides**	**Sample Source**
Micropaleo slides	920 – 5,165	136	cuttings

Recovered Fluids

Test #	**Interval (m)**	**Recovery**	**Recovered from**
DST #7, Zone 6	3,931 – 3,932.5	Condensate	na
DST #8, Zone 7	3,912 – 3,919.5	Condensate	na

Thebaud I-94

WELL SUMMARY

GENERAL INFORMATION

D #	172
Company	Mobil
Location	$43^0$53'43.67"N $60^0$13'38.13"W
UWI	300I944400060000
Area	Scotian Shelf
Spud Date	February 26, 1978
Well Term. Date	July 3, 1978
Drilling Rig	Gulftide
Total Depth (m)	3,962
Water Depth (m)	28.0
Rotary Table (m)	29.9
Well Type	Delineation
Classification	Gas Well
Well Status	P&A
Info. Release Date	Released

CASING:

Size x Depth (metric)	**Size x Depth (imperial)**
762 mm x 180.4 m	30" x 592'
508 mm x 305.4 m	20" x 1,002'
340 mm x 1,130.8 m	13 3/8" x 3,710'
244 mm x 1,216.1 m	9 5/8" x 3,990'
178 mm x 3,768.5 m	7 " x 12,364'

WELL TEST SUMMARY

Type /Test #	**Interval (m)**	**Recovery**	**Flow Rate m^3/d**	**Remarks**
DST #1	3,768.8 – 3,913.6	-	-	misrun
DST #2	3,768.5 – 3,913.6	gas condensate	387,937 64.2	

GEOLOGIC TOPS (m):

Formation / Member	**Depth ft**	**Depth (m)**
Banquereau Fm	4,124	1,256.9
Wyandot Fm	4,124	1,256.9
Dawson Canyon Fm	4,236	1,241.1
Petrel Mb	4,628	1,401.6
Logan Canyon Fm	4,963	1,512.7
Marmora Mb	4,963	1,512.7
Sable Mb	5,775	1,760.2
Cree Mb	6,122	1,862.9
Naskapi Mb	8,261	2,517.9
Missisauga Fm	8,638	2,632.8
(Upper)	8,638	2,632.8

("O"Marker)	9,440	2,877.3
(Middle)	9,602	2,926.6
(Lower)	12,310	3,752.1
(Approx. top OP)	12,500	3,810.0

ADDITIONAL REPORTS AND LOGS:

Well History Report
Borehole Compensated Sonic Log, Run 1-4
Depth Determination, Run 1, 2
Depth Determination, Run 2
Directional Log (Computed), Run 1
Four-Arm High Resolution Continuous Dipmeter (Computed), Run 1
Proximity Microlog Caliper, Run 1
Temperature Log, Run 1 & 2
Simultaneous Compensated Neutron-Formation Density, Run 1 & 2
Dual Induction-Laterolog, Run 1-4
Offshore Mud History Log
Micropaleontological Summary
Report and Plan of Sub-Surface Magnetic Survey
Drilling Record
Directional Survey, Run 1
Formation Testing-Technical Report, Test 1
Formation Testing-Technical Report, Test 2
Determination of Phase Behavior of Subsurface Sample, DST # 1
Determination of Phase Behavior & Composition of Subsurface Sample, DST # 2
Flash Test of Separator Liquid, DST # 2
Seismic Velocity Survey and Velocity Log Calibration

SAMPLES

Sample Type	**Interval (m)**	**# of Samples**	**Remarks**
Washed Cuttings	313.9 – 3,962.4	807	vials
Unwashed Cuttings	313.9 – 3,962.4	819	bags
Sidewall Core	1,236.3 – 3,785.6	118	vials
Canned Cuttings (dried)	981.4 – 3,962.4	233	bags

Slides	**Interval (m)**	**# of Slides**	**Sample Source**
Micropaleo slides	304.8 - 3,962.4	134	cuttings
Micropaleo slides	1,236.2 – 1,153.3	41	sidewall core
Palynology slides	304.8 – 3,962.4	134	cuttings

Thebaud P-84

WELL SUMMARY

GENERAL INFORMATION

D #	85
Company	Mobil et al
Location	$43^0$53'59.53"N $60^0$12'19.34"W

UWI	300P844400060000
Area	Scotian Shelf
Spud Date	July 8, 1972
Well Term. Date	October 13, 1972
Drilling Rig	Sedco H
Total Depth MD (m)	4,115
Water Depth (m)	25.9
Rotary Table (m)	28.6
Well Type	Exploration
Classification	Gas Well
Well Status	P&A
Info. Release Date	Released

CASING:

Size x Depth (metric)	**Size x Depth (imperial)**
749 mm x 60.4 m	29 1/2" x 198'
406 mm x 234.7 m	16" x 770'
340 mm x 1,130.5 m	13 3/8" x 3,709'
244 mm x 2,953.7 m	9 5/8" x 9,690.7'
193.6 mm x 3,855.4 m	7 5/8" x 12,649'
140 mm x 4,108.4 m	5 1/2" x 13,479'

WELL TEST SUMMARY

Type /Test #	**Interval (m)**	**Recovery**	**Flow Rate (m^3/d)**	**Remarks**
DST #1	2,935.3 – 3,002.3	gas	300,156	
		gasified condensate emulsion		63 bbls recovered
		fluid (1/3 condensate, 2/3 water)		7792.5 m recovered
Prod. Test #1	4,027.3 – 4,034.1	no recovery		
Prod. Test #2	4,027.3 – 4,034.1	water		1.1 L from sampler
Prod. Test #3	4,020.3 – 4,034.0	recovered spent acid only		100,000 – 116,000ppm Cl
Prod. Test #4	3,830.1 – 3,836.6	-		misrun
Prod. Test #5	3,830.1 – 3,836.6	gas with condensate	597,480	
Prod. Test #6	3,830.1 -3,836.6	water cushion		
Prod. Test #7	2,401.6 – 3,403.7	gas	195,384	
		condensate	11	47.5 ^{o} API
Prod. Test #8	3,364.4 – 3,368.0	gas	87,781	
		gassy muddy water with slight condensate		1,200 cc
Prod. Test #9	3,364 – 3,368	-		misrun

Prod. Test #10	3,364.4 – 3,368.0	gas condensate	147,246	 6.6 bbls recovered 48 ^{o} API
Prod. Test #11	3,213 – 3,216.2	gas condensate	150,068	 5.7 bbls recovered 46.3 ^{o} API
Prod. Test #12	3,139.4 – 3,145.5	water cushion mud salt water		1,566.7m 167.6m 1,171.3 m (94,000 ppm NaCl)

GEOLOGIC TOPS (m):

Formation / Member	Depth ft.	Depth (m)
Banquereau Fm	4,058 (bottom)	(1,236.87)
Wyandot Fm	4,058	(1,236.87)
Dawson Canyon Fm	4,213	(1,284.12)
Petrel Mb	4,603	(1,402.99)
Logan Canyon Fm	4,935	(1,504.18)
Marmora Mb	4,935	(1,504.18)
Sable Mb	5,746	(1,751.38)
Cree Mb	6,107	(1,841.41)
Naskapi Mb	8,236	(2,510.33)
Missisauga Fm	8,564	(2,610.30)
(Upper)	8,564	(2,610.30)
("O"Marker)	9,260	(2,822.44)
(Middle)	9,438	(2,876.70)
(Lower)	12,218	(3,724.04)
(Approx. top OP)	12,300	(3,749.04)

ADDITIONAL REPORTS AND LOGS:

Borehole Compensated Sonic Log (Well Velocity Survey), Run 1-7
Borehole Compensated Sonic Log, Run 1-7
Casing Inspection/Electronic Casing Caliper Log, Run 2
Cement Bond Log, Run 2
Compensated Neutron Density Log, Run 1-3
Compensated Neutron Log, Run 1
Data Acquisition & Technical Analysis Log (Mud Log)
Driller's Log, Run 3
Dual Induction-Laterolog, Run 1-7
Fluid Analyses, Production Test 5
Formation Tester (Log), Tests 1-8
Formation Testing-Technical Report, Test 11, Zone 8
Formation Testing-Technical Report, Test 12, Zone 8A
Formation Testing-Technical Report, Test 4, Zone 4
Formation Testing-Technical Report, Test 5, Zone 4
Formation Testing-Technical Report, Test 6, Zone 4
Four-Arm High Resolution Continuous Dipmeter (Computed), Run 1-4
Four-Arm High Resolution Continuous Dipmeter, Run 1-4
Geochemical Evaluation
Jack-up Rig Foundation Analysis
Mud Filtrate Analyses
Oil Analysis

Paleontological Summary
Partial Reservoir Fluid Study, Production Test 10
Partial Reservoir Fluid Study, Production Test 11
Perforating Depth Control Log, Run 1
Preliminary Reservoir Fluid Study, DST 1
Reservoir Fluid Study, Test 7
Separator Gas and Liquid Study
Special Fluid Study, Test 6
Well Abandonment Program
Micropalaeontology, Palynology, & Stratigraphy

SAMPLES

Sample Type	**Interval (m)**	**# of Samples**	**Remarks**
Washed Cuttings	304.8 – 4,114.8	880	vials
Unwashed Cuttings	304.8 – 4,114.8	773	bags
Sidewall Core	518.2 – 4,099.5	99	vials
Canned Cuttings (dried)	1,164.3 – 4,108.7	226	bags

Slides	**Interval (m)**	**# of Slides**	**Sample Source**
Micropaleo slides	295.6 – 4,724.4	150	cuttings
Micropaleo slides	831.8 – 1,376.4	6	sidewall core
Palynology slides	295.6 – 4,114.8	177	cuttings
Palynology slides	798.5 – 4,099.5	58	sidewall core

Fluids

Test #	**Interval (m)**	**Recovered (m)**	**Recovered from**
DST #1	na	condensate	separator
Prod. Test #10	3,364.3 – 3,368.0	condensate	separator
Prod. Test #11	3,213.2 – 3,216.2	condensate	H.P separator

Triumph P-50

WELL SUMMARY

GENERAL INFORMATION

D #	12
Company	Shell
Location	43°39’51’.62” N 59°51’02.36” W
UWI	300JP504340059450
Area	Scotian Shelf
Spud Date	August 4, 1971
Well Term. Date	October 10,1971
Drilling Rig	Sedneth 1
Total Depth MD (m)	4,595
Water Depth (m)	90.2
Rotary Table (m)	25.9
Well Type	Exploration
Classification	Gas Show

Well Status	P&A
Info. Release Date	Released

CASING:

Casing Size x Depth (metric)	**Casing Size x Depth (imperial)**
406 mm x 299.6 m	16" x 983'
340 mm x 1,032.1 m	13 3/8" x 3,386'
244.5 mm x 2,292.4 m	9 5/8" x 7,521'

GEOLOGIC TOPS :

Formation / Member	**Depth ft**	**Depth (m)**
Banquereau Fm	5,573	(1,698.6)
Wyandot Fm	5,573	(1,698.6)
Dawson Canyon Fm	5,994	(1,826.9)
Logan Canyon Fm	6,500	(1,826.9)
Marmora Mb	6,500	(1,981.2)
Sable Mb	7,915	(2,412.5)
Cree Mb	8,546	(2,604.8)
?Fault Mb	13,075	(3,985.3)
Naskapi Mb	13,075	(3,985.3)
Missisauga Fm	13,454	(4,100.8)
(Approx.Top OP)	14,750	(4,495.8)

ADDITIONAL REPORTS AND LOGS:

Well History Report
The Micropaleontology, Paleontology & Stratigraphy of the Shell Triumph P-50 Well
Paleontological Report
Borehole Compensated Sonic Log, Run 1-3
3-Arm Focused Continuous Dipmeter (computed), Run 1-3
Directional Log (Computed), Run 1-3
Velocity Survey
GMA Stratigraphic Modeling System (mylar)
Geochemical Evaluation (x-ref. 8623-R005-001P)
Sonigram Velocity Analysis
Compensated Formation Density Log, Run 1-2, (Whipstocked)
Compensated Formation Density Log, Run 1, (Original Hole)
Well History Report – Shell Triumph P-50
Dual Induction-Laterlog, Run 1-4, (Whipstocked)
Dual Induction-Laterlog, Run 1,1-4
Gammaray (mylar) S & D
Paleontological/Palynological/Source Rock Analysis Report

SAMPLES

Sample Type	**Interval (m)**	**# of Samples**	**Remarks**
Washed Cuttings	301.8 – 4,593.3	919	
Unwashed Cuttings	301.8 – 4,593.3	926	
Sidewall Core	341.4 – 4,585.1	277	
Canned Cuttings	2,133.6 – 4,595.4	83	

Slides:	**Interval (m)**	**# of Slides**	**Sample Source**
Micropaleo slides	301.7 – 4,593.3	182	cuttings
Micropaleo slides	389.5 – 4,585.1	128	sidewall core

Palynology slides	292.6 – 2,996.2	58	cuttings
Palynology slides	389.5 – 3,032.7	114	sidewall core

West Chebucto K-20

WELL SUMMARY

GENERAL INFORMATION

D #	296
Location	43°39'44.63" N 59°47'32.44" W
Company	Husky Bow Valley et al
UWI	300K204340059450
Area	Scotian Shelf
Spud Date	April 5, 1986
Well Term. Date	August 11, 1986
Drilling Rig	Bow Drill II
Water Depth (m)	93.6
Rotary Table (m)	22.8
Total Depth MD(m)	5,369
Well Type	Exploration
Classification	Gas Show
Well Status	P & A
Info. Release Date	Released

CASING:

Casing Size x Depth (metric)	Casing Size x Depth (imperial)
762 mm x 250.0 m	30" x 280'
508 mm x 623.0 m	20" x 2,044'
340 mm x 2,142.4 m	13 3/8" x 7,029'
244 mm x 3,822.2 m	9 5/8" x 12,540'
178 mm x 5,129.0 m	7" x 16,827'

WELL TEST SUMMARY

Type /Test #	Interval (m)	Recovery	Flow Rate (m^3/d)
DST # 1	5,020 – 5,036	gas	116,766
		condensate	tstm
		water	25
DST # 2	4,639 - 4,660	gas	tstm

GEOLOGIC TOPS

Formation / Member	Depth (m)
Banquereau Fm	1,731.8 (bottom)
Wyandot Fm	1,731.8
Dawson Canyon Fm	1,826.0
Petrel Mb	1,900 - 1,902
Logan Canyon Fm	2,011.0
Marmora Mb	2,011.0

Sable Mb	2,345.0
Cree Mb	2,513.0
Naskapi Mb	3,754.0
Missisauga Fm	4,008.4
(Approx. top OP)	~4,036.0

ADDITIONAL REPORTS AND LOGS:

Well History Report
Merged Data Log (Field Print), Run 2, 3, 4, 5, 6
Compensated Neutron Log, Run 1-3
TVD Borehole Compensated Sonic Log, Run 1 & 2
TVD Dual Induction Log, Run 1 & 2
Compensated Bond Variable Density Log, Run 1
Sidewall Core Results, Run 1-4
Arrow Plot, Run 1
Natural Gamma Ray Spectrometry Log, Run 1
Depth Derived Borehole Compensated Sonic Log, Run 1-6
Dual Induction-SFL, Run 1-6
High Resolution Continuous Dipmeter, Run 1-3
Completion Record, Run 1
Cyberlook Pass 1 (Field Print), Run 2, 5
RFT Quicklook (Field Print), Run 2, 4, 5
Core Analysis
DST Sample Analyses
Core Photo's (Whole Diameter), Core 1-6
Core Photo's (Slabbed), Core 8
Water Analysis
Fingerprint Hydrocarbon Comparative Analysis
Cement Volume Log, Run 1-3
True Vertical Depth Compensated Neutron Litho Density, Run 1
Simultaneous Compensated Neutron-Litho Density, Run 1-3
Composite Geological Well Data Log (1 vellum copy)
Plan and Field Notes
Drilling Data Pressure Log
Formation Evaluation Log (1 vellum copy)
Temperature Data Log
Mud Resistivity Log
Wireline Data Pressure Log
Pressure Evaluation Log
Cost Plot
Drilling Parameters Plot
Dual Induction-SFL (Reduced Mylar)
Well Test Analysis
Arrow Plot, Run 1
Final Report-Palynology
Velocity Report, Run 1-4
Repeat Formation Tester, Run 1-3

SAMPLES

Sample Type	Interval (m)	# of Samples	Remarks
Washed Cuttings	635 – 5,369	928	
Unwashed Cuttings	700 – 5,369	872	
Canned Cuttings	640 – 5,369	465	

(Dried)			
Sidewall Core	2,040 – 2,150	6	
Slides:	**Interval (m)**	**# of Slides**	**Sample Source:**
Micropaleo slides	630.00 - 5,360.00	159	cuttings
Micropaleo slides	1,400.00 - 4,025.00	118	cuttings
Micropaleo slides	4,045.50	1	core
Palynology slides	630.00 - 5,360.00	157	cuttings
Palynology slides	1,400.00 - 5,369.00	417	cuttings
Palynology slides	1,015.00 - 5,325.00	509	sidewall core
Palynology slides	4,045.50 - 5,368.40	51	core
Palynology slides	4,044.30 - 5,362.40	6	core
Thin section slides	3,686.40 - 4,702.05	4	core
Core:	**Interval (m)**	**Recovery (m)**	
#1	3,682.50 - 3,704.30	21.60	
#2	3,704.30 - 3,731.90	27.60	
#3	4,036.50 - 4,064.10	27.60	
#4	4,636.00 - 4,644.20	6.80	
#5	4,644.25 - 4,671.70	27.50	
#6	4,677.20 - 4,704.60	26.85	
#7	5,026.40 - 5,048.5	22.10	
#8	5,360.20 - 5,369.40	9.20	

Recovered Fluids:

Test #	**Interval (m)**	**Recovery**	**Recovered From**
DST #1	5,020 – 5,036	water	waterline
DST #2	4,639 – 4,660	water	choke manifold

West Olympia O-51

WELL SUMMARY

GENERAL INFORMATION

D #	277
Company	Mobil et al
Location	44°00’47.80”N 59°53’03.64”W
UWI	300O514410059450
Area	Scotian Shelf
Spud Date	June 23,1985
Well Term. Date	November 9, 1985
Drilling Rig	Rowan Gorilla I
Total Depth (m)	4,816
Water Depth (m)	38.4
Rotary Table (m)	38.0
Well Type	Exploration
Classification	Gas Well
Well Status	P&A
Info. Release Date	Released

CASING:

Size x Depth (metric)	Size x Depth (imperial)
914 mm x 200 m	30" x 656.2'
473 mm x 858 m	20" x 2,814.9'
340 mm x 2,674 m	13 3/8" x 8,772.9'
244 mm x 4,351 m	9 5/8" x 14,274.9'
178 mm x 4,632 m	7 5/8" x 15,196.8'

WELL TEST SUMMARY

Type /Test #	Interval (m)	Recovery	Flow Rate / Amount
DST #1	4,356 – 4,386	gas	500,910 m^3/d
		condensate	64.7 m^3/d
		water	trace
		sand	trace
DST #2	4,356 – 4,386	gas	532,040 m^3/d
		condensate	73 m^3/d
DST #3	4,257 – 4,262	no flow to surface	

GEOLOGIC TOPS :

Formation / member	Depth (m)
Banquereau Fm	1,283 (bottom)
Wyandot Fm	1,283
Dawson Canyon Fm	1,361
Petrel Mb	1,447
Logan Canyon Fm	1,545
Marmora Mb	1,545
Sable Mb	1,811
Cree Mb	1,907
Naskapi Mb	2,646
Missisauga Fm	2,738.8
(Upper)	2,738.8
("O"Marker)	3,203.8
(Middle)	3,029
(Lower)	4,104
(Approx. top OP)	4,300

ADDITIONAL REPORTS AND LOGS:

Final Well History Report
Depth Derived Borehole Compensated Sonic Log, Run 1-4
Stratigraphic High resolution Dipmeter, Run 1
Composite DIL-Sonic Log (Field Log), Run 5
Composite DIL-Sonic Log (Field Log), Run 3
Dual induction-SFL, Run 1-4
Simultaneous Compensated Neutron-Litho Density, Run 1-3
Mud-Gas Log
Well History Log
Drill Stem Test Results
Directional Survey, Run 1

Stratigraphic High Resolution Dipmeter, Run 3
Stratigraphic High Resolution Dipmeter (Field Log), Run 3
Composite DISFL-BHC Sonic Log (Field Log), Run 6
Corrected-Compensated Neutron Log, Run 3
Composite DISFL-DDBHC Sonic Log (Field Log), Run 1
Borehole Compensated Sonic Log (Field Log), Run 6
Simultaneous Compensated Neutron-Litho Density (Reduced Mylar)
Dual Induction-SFL (Reduced Mylar)
Depth Derived BHC Sonic Log (Reduced Mylar)
Core Photo's (Slabbed), Core 1-6
Pressure Analysis Reports, DST # 1
Pressure Analysis Reports, DST # 2
Pressure Analysis Reports, DST # 3
Gas Analysis
Oil Analysis
Saturation Pressure Determination Study DST 1
Saturation Pressure Determination Study DST 2
Sampling Log-Core Lab
ADT Log
Core Analysis
Otis Well Test Report
Well Seismic Report
Fluid Properties Log
Hydrocarbon Source Facies Analysis
Well Seismic Results (Field Log), Run 6
Jack-Up Rig Foundation Analysis 09/01/1985
Jack-Up Rig Foundation Analysis 02/05/1985
Core Description
Directional Survey, Run 1
Stratigraphic High Resolution Dipmeter, Run 3

SAMPLES

Sample type	**Interval (m)**	**# of Samples**	**Remarks**
Washed Cuttings	210 – 4,815	800	vials
side track	4,355 – 4,815	90	
Unwashed Cuttings	870 – 4,650	776	bags
side track	4,355 – 4,815	88	
Sidewall Core	2,685 – 4,810	58	vials
Canned Cuttings	870 – 4,810	376	bags
(dried) side track	4,360 – 4,690	32	

Core	**Interval (m)**	**Recovery (m)**
#1	4,257.9 - 4,269.95	12.05
#2	4,462.58 - 4,467.74	5.16
#3	4,469.59 – 4,473.39	3.08
#4	4,474.77 – 4,501.62	26.85
#5	4,502.20– 4,529.43	27.23
#6	4,529.53 – 4,557.06	27.49

Slides	**Interval (m)**	**# of Slides**	**Sample Source**
Micropaleo slides	205 – 4,815	154	cuttings
Palynology slides	200 – 4,815	164	cuttings

Fluids

Test #	Interval (m)	Recovery	Recovered from
DST#1, Zone 1	4,356-4,386	Condensate	Separator

West Venture N-01

WELL SUMMARY

GENERAL INFORMATION

D #	269
Company	Mobil et al
Location	44°00'58.80"N 59°45'51.69"W
UWI	300N014410059450
Area	Scotian Shelf
Spud Date	January 20, 1985
Well Term. Date	September 9, 2000
Drilling Rig	Rowan Gorilla III
Total Depth MD (m)	3,632.3
TVD	3,284.4
Water Depth (m)	24.0
Rotary Table (m)	35.4
Well Type	Service Relief
Classification	Dry
Well Status	P&A
Info. Release Date	Released

CASING:

Size x Depth (metric)	Size x Depth (imperial)
914mm x 192 m	36" x 630'
762 mm x 530 m	30" x 1,738.8'
610 mm x 858.3 m	24" x 2,815.9'
473 mm x 1,436.2 m	18 5/8" x 4,711.9'
340 mm x 3,084 m	13 5/8" x 10,118.11'

GEOLOGIC TOPS (m):

Formation / Member	Depth (m)
Wyandot Fm	1,321
Dawson Canyon Fm	1,462
Logan Canyon Fm	1,672
Sable Mb	3,084

ADDITIONAL REPORTS AND LOGS:

Well History Report
BHC Acoustilog, Run 1-4
BHC Acoustilog Gamma Ray, Run 2
BHC Acoustilog Gamma Ray, Run 3
BHC Acoustilog Gamma Ray, Run 4

Dual Induction Focused Log, Run 1-4
Dual Induction Focused Log Gamma Ray, Run 2
Dual Induction Focused Log Gamma Ray, Run 3
Dual Induction Focused Log Gamma Ray, Run 4
Final Well Report (Mud Report)
Well History Log
Mud Log
Jack-Up Rig Foundation Analysis
Plan and Field Notes Venture N-01
Plan and Field Notes West Venture B-92
Dual Induction Focused Log (Reduced Mylar)

SAMPLES

Sample Type	Interval (m)	# of Samples	Remarks
Washed Cuttings	210 – 3,630	558	vials
Unwashed Cuttings	210 – 3,630	529	bags
Canned Cuttings (dried)	870 – 3,630	276	bags

West Venture N-91

WELL SUMMARY

GENERAL INFORMATION

D #	249
Company	Mobil et al
Location	44°00'45.82"N 59°44'27.36"W
UWI	300N914410059300
Area	Scotian Shelf
Spud Date	April 19, 1984
Well Term. Date	July 7, 1985
Drilling Rig	Zapata Scotian
Total Depth MD (m)	5,547
Water Depth (m)	38.1
Rotary Table (m)	39.3
Well Type	Exploration
Classification	Gas Well
Well Status	P&A
Info. Release Date	Released

CASING:

Size x Depth (metric)	Size x Depth (imperial)
914 mm x 192 m	36" x 629.92'
473 mm x 853 m	20" x 2,798.55'
346 mm x 2,866 m	13 5/8" x 9,402.88'
244 mm x 4,727 m	9 5/8" x 15,508.53'

GEOLOGIC TOPS (m):

Formation / Member	Depth (m)
Banquereau Fm	1,340.9 (bottom)
Wyandot Fm	1,340.9
Dawson Canyon Fm	1,474.9
Petrel Mb	1,551.8
Logan Canyon Fm	1,675.9
Marmora Mb	1,675.9
Sable Mb	1,916.5
Cree Mb	2,022.9
Naskapi Mb	2,822.0
Missisauga Fm	2,935.0
(Upper)	2,935.0
("O"Marker)	3,303.0
(Middle)	3,320.5
(Lower)	4,136.5
(Approx. top OP)	4,432.0
Mic Mac Fm	5,150.5

ADDITIONAL REPORTS AND LOGS:

Well History Report
Preliminary Well History Report
Well History Report relief well B-92
Compensated Densilog Neutron, Run 2-6
Dual Induction Focused Log, Run 1-6
Borehole Compensated Acoustilog, Run 1-6
Core Photo's (Whole Diameter), Core 1-9
Condition of Shallow Sands
Well History Log
Mud-Gas Log
Jack-up Rig Foundation Analysis (WNW Location)
Jack-up Rig Foundation Analysis (N Location)
Jack-up Rig Foundation Analysis (SW Location)
Jack-up Rig Foundation Analysis (Site No. 2)
Jack-up Rig Foundation Analysis (NE Location)
Jack-up Rig Foundation Analysis (NW Location)
Jack-up Rig Foundation Analysis (N-91 Location)
Compensated Densilog Neutron (Reduced Mylar)
Dual Induction Focused Log (Reduced Mylar)
Borehole Compensated Sonic Acoustilog (Reduced Mylar)
Core Analysis
Core Analysis, Core 1-4
Core Analysis, Core 5-9
Special Core Analysis
Jack-Up Rig Foundation Analysis (NE Location)
Directional Survey, Run 3 & 6
Computed Four-Arm Diplog, Run 3 & 6
Special core Analysis-Preliminary Report
Static Gradient Test
Core Analysis
Hydrocarbon Source Potential & Maturity
Report of Investigation of Events Culminating in a Loss of Well Control
Special Core Analysis Study
Special Core Analysis Tests

SAMPLES

Sample Type	Interval (m)	# of Samples	Remarks
Washed Cuttings	875 – 5,550	904	vials
Unwashed Cuttings	875 – 5,550	904	bags
Canned Cuttings (dried)	875 – 5,550	461	bags

Core	Interval (m)	Recovery (m)
#1	4,622.59 - 4,639.36	16.77
#2	4,805.78 - 4,833.21	27.40
#3	4,907.28 - 4,934.71	25.20
#4	4,999.01 - 5,026.45	26.80
#5	5,027.06 - 5,054.49	26.75
#6	5,055.41 - 5,077.66	11.25
#7	5,077.66 - 5,105.66	28.00
#8	5,105.66 - 5,132.83	27.15
#9	5,132.84 - 5,141.36	8.00

Slides	Interval (m)	# of Slides	Sample Source
Micropaleo slides	870 – 5,550	162	cuttings
Micropaleo slides	4,628.67 – 5,141.00	22	core

2. NS09-1 Geophysical Data - Report Descriptions

Program No. (Parcel #)	Completion Date	Length (km)	Title	Mylar (Y/N)
8620H006-002E (1)	2-Jul-82	808.88	Chebucto E.A. 781-004 Scotia Shelf Report on 1982 Seismic Program	Y
8620-H006-007E (1)	13-May-83	2,428.08	South Sable Island E.A. 146 Scotian Shelf Report on March-May 1983 Seismic Program	Y
8620-H006-008E (1)	23-Nov-84	637.00	1984 Beasejour & Gully Chebucto Survey Type Reflection Marine Seismograph	Y
8620-H006-009E x-ref 8624-H006-010E (1)	31-Aug-85	821.65	Chebucto-Sable Island Survey Type-Reflection Marine Seismograph	Y
8620-J008-001E, 002E (1&2)	23-Jul-83	4,693.48	Report on the Geophysical Survey, ICG Parks Offshore Exploration Partnership 1982-83 East & West Sable Island Areas	Y
8620-M003-022E (1&2)	12-Sep-74	523.02	Geophysical Survey on Citnalta, Intrepid and Venture Prospects	N
8620-N011-001E (2)	2-Jul-85	2,639.38	Final Report of Marine Seismic for Nova Scotia Resources on Scotian Shelf, Sable Island	Y
8620-S006-009E x-ref 8620-S6-2E x-ref 8624-S6-9E (1)	6-Oct-72	9,248.64	Geophysical Survey on Scotian Slope, South West Sable Island, Eagle, Primrose	N
8620-S014-006E (1&2)	24-Jul-83	13,239.85	Marine Reflection Seismic Survey Over the Scotian Shelf Area (Including West Slope Area, West Banquereau, East Banquereau, Sable, and Scotia Basin)	Y
8620-S024-001P (1&2)	31-Oct-72	5,857.77	1972 East Coast Marine Participation Survey Offshore Nova Scotia and Newfoundland (Grand Banks)	Y
8624-B011-004E (1&2)	10-Jun-83	1,094.68	Deep Reflection Seismic Program, Sable Regional	Y
8624-C020-001E (1)	20-Sep-72	5,259.19	Report on Seismograph Survey, Nova Scotia Shelf	N
8624-G005-007P (1&2)	5-Apr-84	1,895.65	Final Report Nova Scotia 1984 Geophysical Survey	Y
8624-G005-008P (1)	28-Jan-84	1,044.50	Onondaga 3D Reconnaissance Survey, Sable Island	Y
8624-H006-004E	10-Jun-83	448.43	Geophysical Survey, Chebucto Block (E.A.	Y

(1)			781-004), Scotian Shelf		
8624-H006-007E (1)	3-May-84	276.00	Report on 1984 Seismic Program South Sable III (E.A. 146)	Y	
8624-H006-010E (1)	14-Sep-85	2,684.79	Reflection Marine Seismograph, South Sable 3D Survey , Chebucto Area	Y	
8624-M003-010E (2)	1972	357.2	Twelve Fold Marine Seismic Survey – Sable Island Area, Intrepid B Prospect, West Sable		N
8624-M003-025E x-ref 8624-M003-0024E (2)	15-Jun-75	345.03	Geophysical Report, South Sable Island		Y
8624-M003-033E (1&2)	22-Jul-79	1,261.63	Marine Seismic Report, Sable Island Area	Y	
8624-M003-035E (2)	22-Sep-80	1,527.29	1980 Marine Geophysical Survey, Sable Island Area	Y	
8624-M003-044E x-ref 8624-M003-045E (1&2)	14-Aug-82	1,421.88	2D Marine Geophysical Survey, Sable Island Area	Y	
8624-M003-045E (2)	8-Aug-82	281.25	Broadside and Experimental Seismic Programs, Sable Island		Y
8624-M003-047E (2)	13-Aug-83	1,252.28	1983 2D Marine Seismic Survey, East Sable Island Area		Y
8624-M003-049E (1&2)	17-Aug-84	2,456.45	1984 Marine Seismic Survey, Sable Island Area		
8624-N005-002E (1&2)	5-Jun-83	821.28	1983 Final Report on Reconnaissance Seismic Reflection Survey, Sable Island Area	Y	
8624-P028-072E (2)	29-May-85	1,498.53	1982 Marine Reflection Seismic, Gravity & Magnetic Survey-Regional Offshore Nova Scotia		Y
8624-P028-73E (2)	21-Apr-85	1,198.08	1985 Marine Reflection Seismic, Gravity & Magnetic Survey, North Sable Area		Y
8624-S006-005E/6E (1&2)	12-Mar-70 13-Oct-70	683.95 14,721.87	1970 Geophysical Report, Scotia Shelf, Wyandot, Ojibwa, Abenaki, Iroquois, Huron, Cree and Argo Areas	N	
8624-S006-008E (1)	20-Aug-71	9,116.68	1971 Geophysical Report, Scotia Shelf-Chippewa, Huron, Mohican and Sauk	N	
8624-S006-020E (1&2)	31-Jul-76	1,369.35	Seismic Survey, East Coast Offshore, Slope 32, Moheida, South Sable, Wenonah, Onondaga & Albatross	Y	

8624-S006-023E x-ref 8624-S6-27E (1&2)	1-Aug-80	3,003.00	Reflection Seismic Report, North and South Sable Area, Offshore Nova Scotia	Y
8624-S006-027E x-ref 8624-S6-23E (1&2)	15-Sep-81	2,353.00	Reflection Seismic Program in South Sable Area, Offshore Nova Scotia	Y
8624-S006-033E x-ref 8624-S6-27E (1&2)	26-Oct-82	4,832.36	Reflection Seismic Final Report, North and South Sable Areas	Y
8624-S006-035E (1)	26-May-83	2,081.20	Reflection Seismic Final Report, Panasonic, Glace Bay and East Panasonic Areas	Y
8624-S006-037E (1&2)	27-Jul-83	3,750.14	Reflection Seismic in Hawkeye, Mulgrave, Lunenburg, Glenelg and Triumph Areas	Y
8624-S006-043E (1&2)	8-Sep-84	2,556.40	Final Report on 1984 Seismic Nova Scotia Shelf, North and South Sable Areas	Y
8624-W013-001P (1)	1-Aug-83	3,910.21	Final Report on Marine Seismic Survey of East Coast Canada, Nova Scotia Area 1983	Y
8624-W013-002P (1&2)	1-Sep-84	1,103.50	1984 Marine Speculative Survey, Sable Island	Y
NS24-G005-004P (1)	18-May-01	1,875.2	Confidential - Contact GSI	
NS24-G005-007P (1&2)	17-Nov-02	2,582.78	2D Sable Island Seismic Reflection Survey	N
NS24-L023-004E (1)	28-Aug-91	49.73 km^2	Reflection Seismic Report, Musquodoboit 3D Seismic Survey, Scotian Shelf	Y
NS24-M003-001E (1&2)	31-Aug-90	97.03	Geophysical Report of 2D Marine Seismic Survey, Sable Island Area	Y
NS24-M003-003E (1&2)	29-Oct-96	546.65 km^2	3D Ocean Bottom Cable Reflection Scotia Sable Area (Thebaud, Venture)	Y
NS24-M003-006E (1&2)	Aug-97	1,100 km^2	3D Seismic Program (Alma, North Triumph, EL2356 and EL2357- Grand Pre.)	N
NS24-M003-007E (1&2)	6-Sep-98	1,440 km^2	3D Seismic Survey (Marmora, South Sable and Arcadia)	Y
NS24-M003-009E (1&2)	11-Nov-99	263 km2	3D OBC Seismic Survey – Sable Area 1999	Y
NS24-M003-010E (1&2)	8-Jun-99	551.7 km^2	Intrepid Marine 3D Seismic Survey Program 1999	Y

3. Program Location Maps

Figure 01: Location Map for 8620-H006-002E

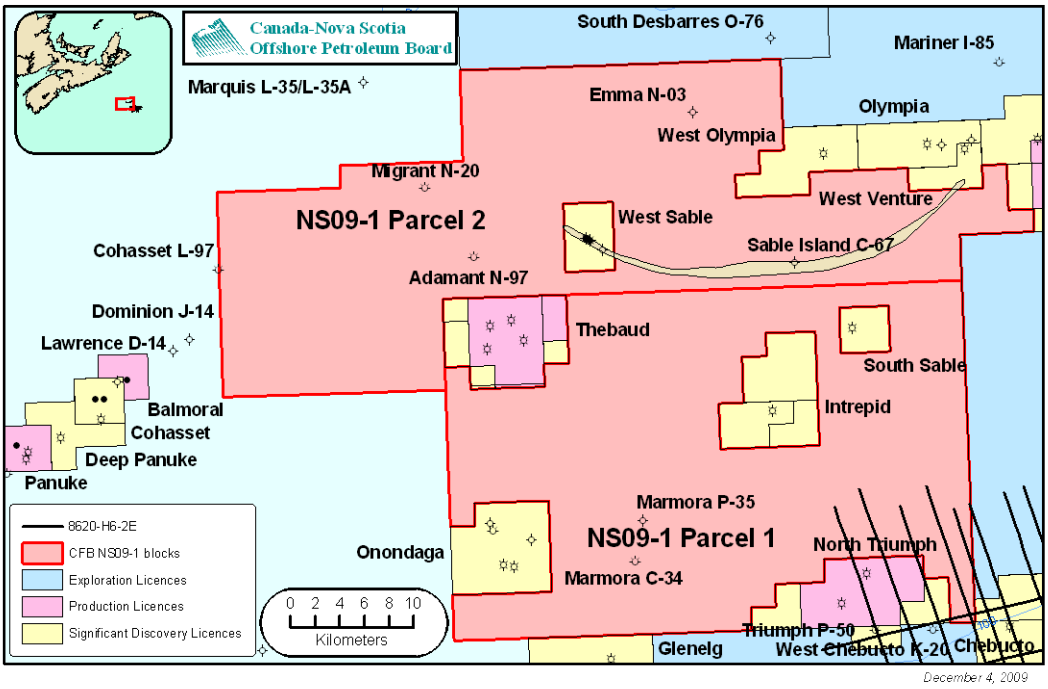


Figure 02: Location Map for 8620-H006-007E

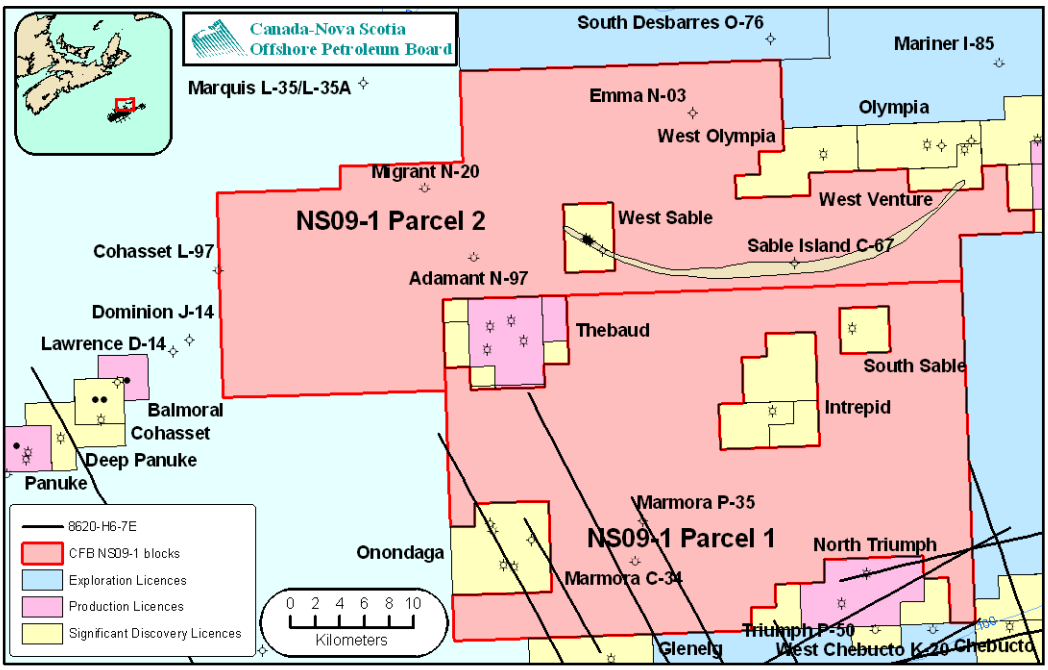


Figure 03: Location Map for 8620-H006-008E

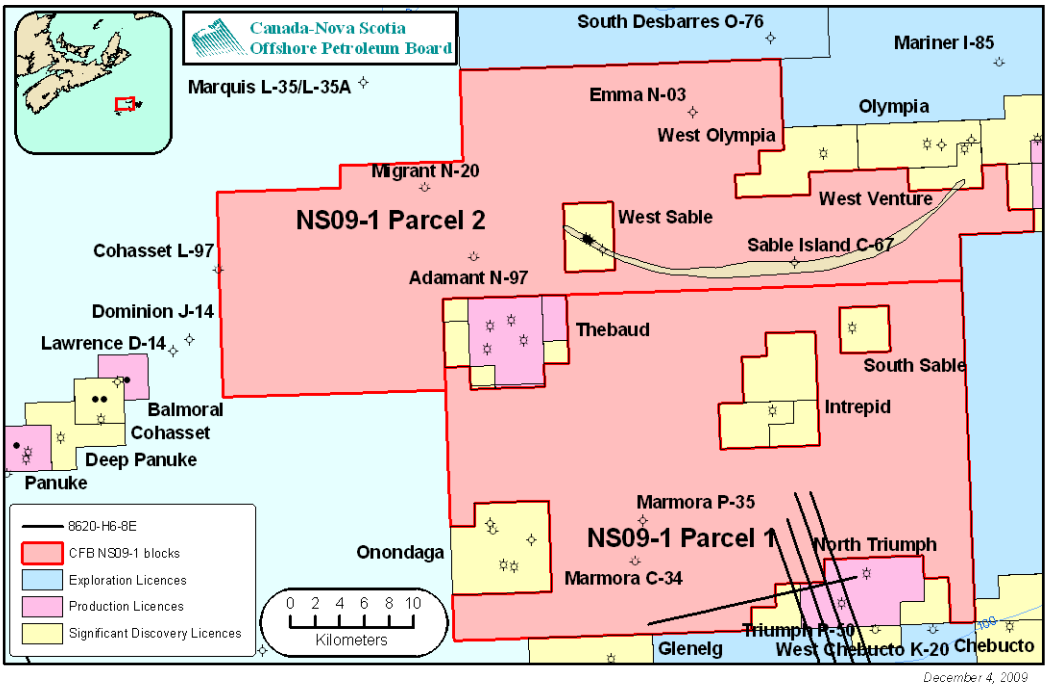


Figure 04: Location Map for 8620-H006-009E

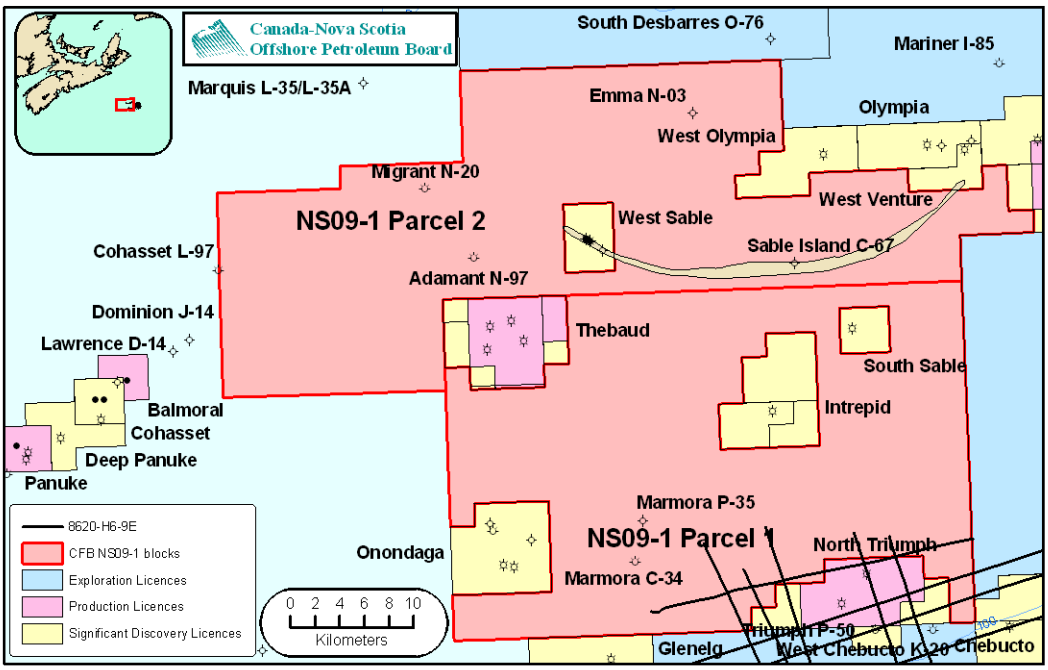


Figure 05: Location Map for 8620-J008-001E/002E

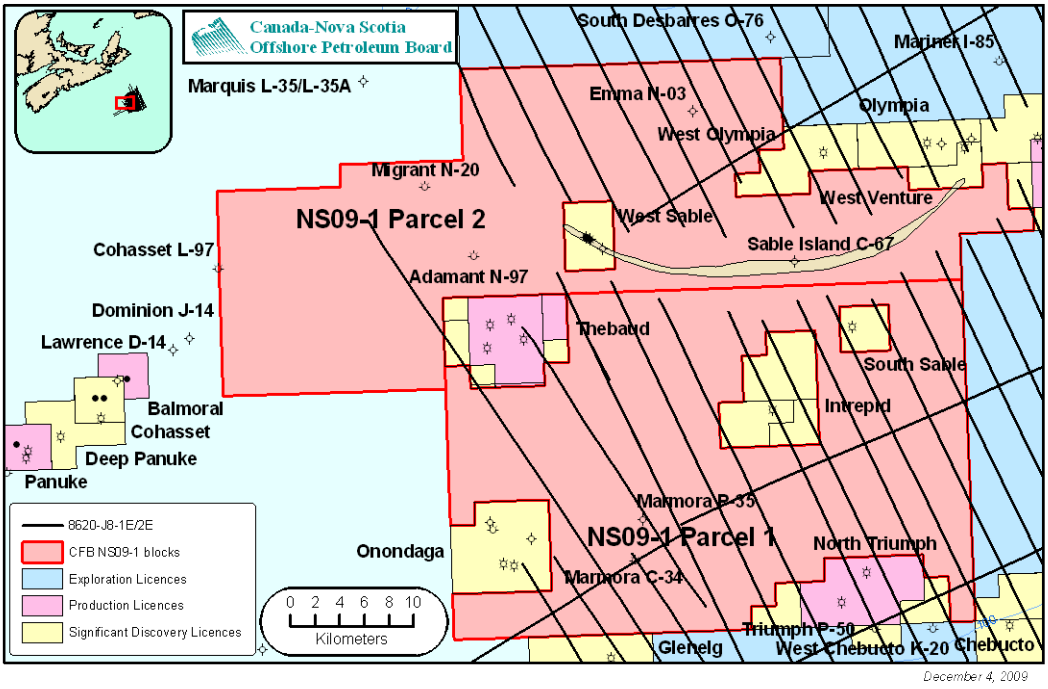


Figure 06: Location Map for 8620-M003-022E

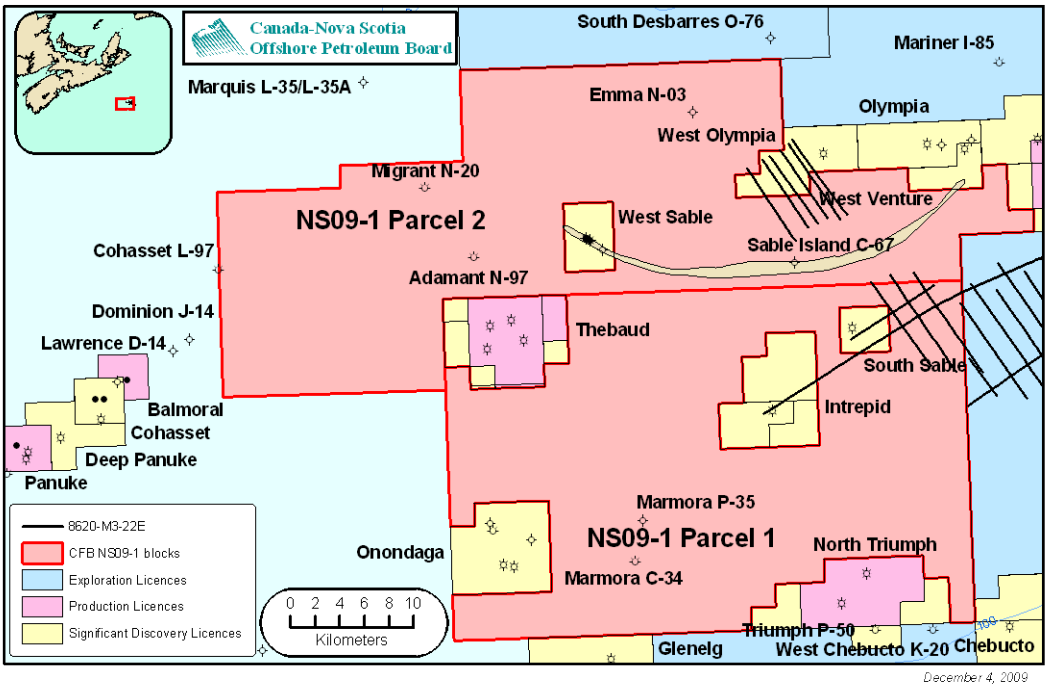


Figure 07: Location Map for 8620-S006-009E

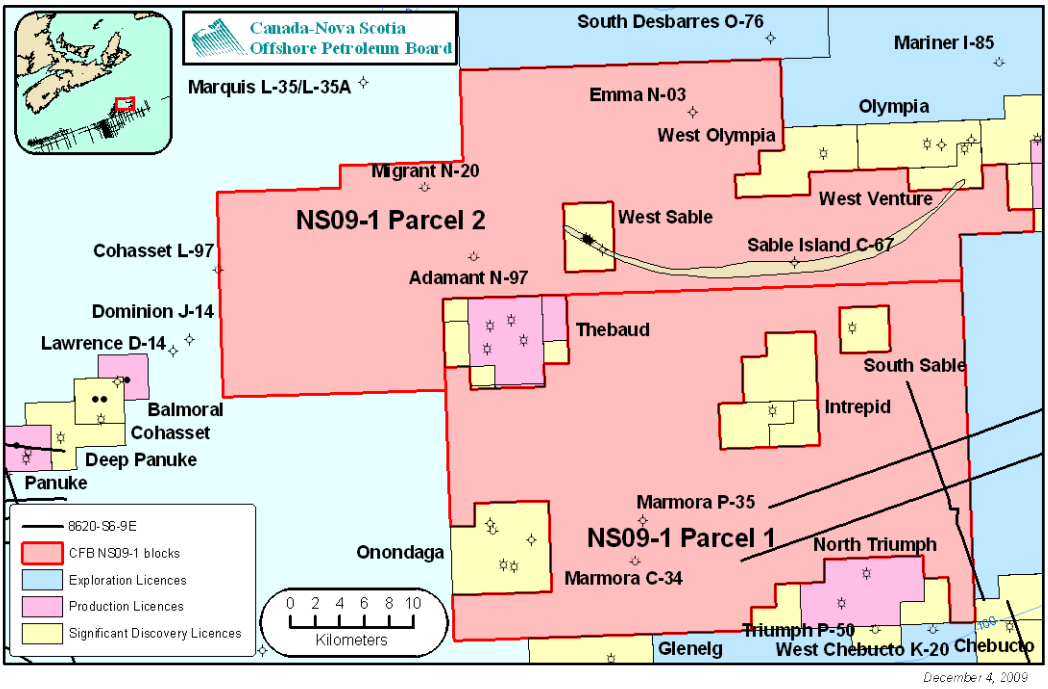


Figure 08: Location Map for 8620-N011-001E

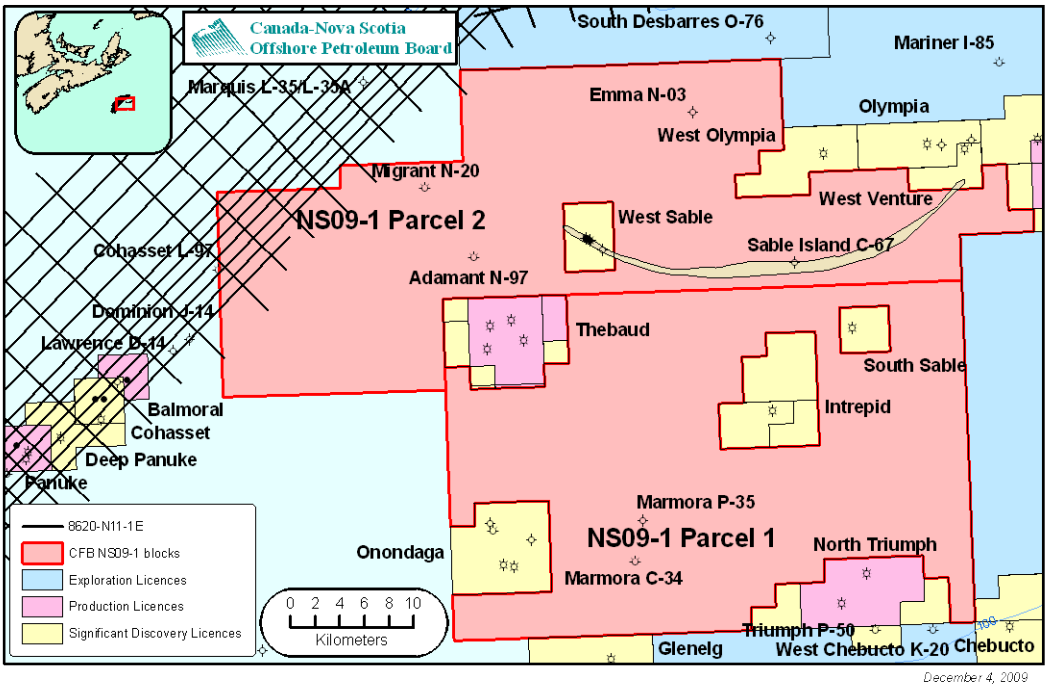


Figure 09: Location Map for 8620-S014-006E

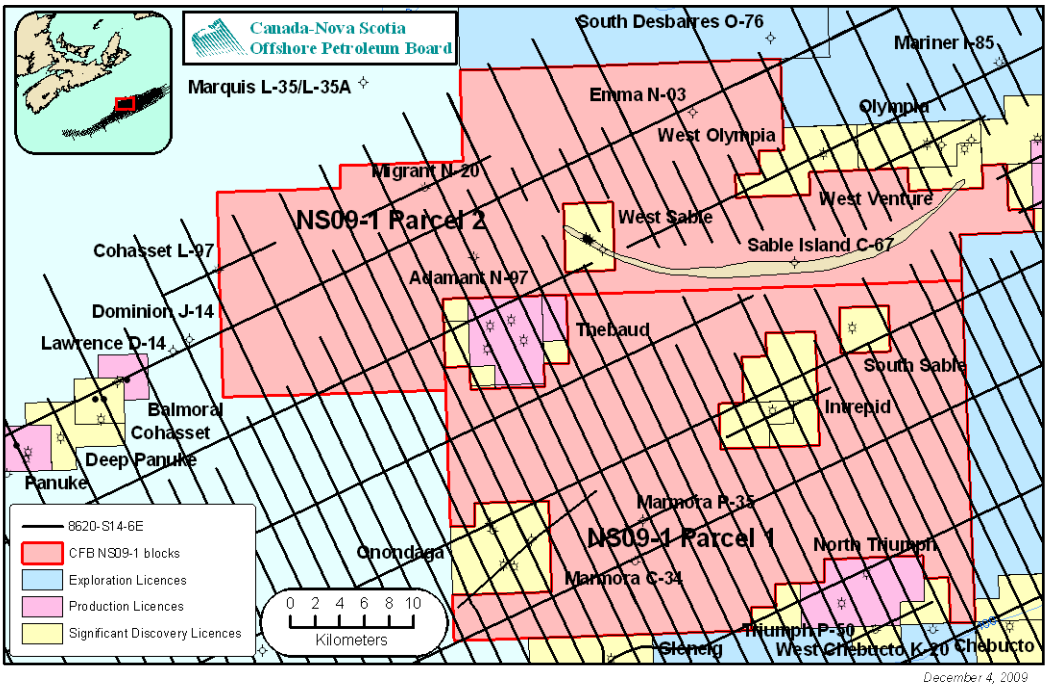


Figure 10: Location Map for 8620-S024-001P

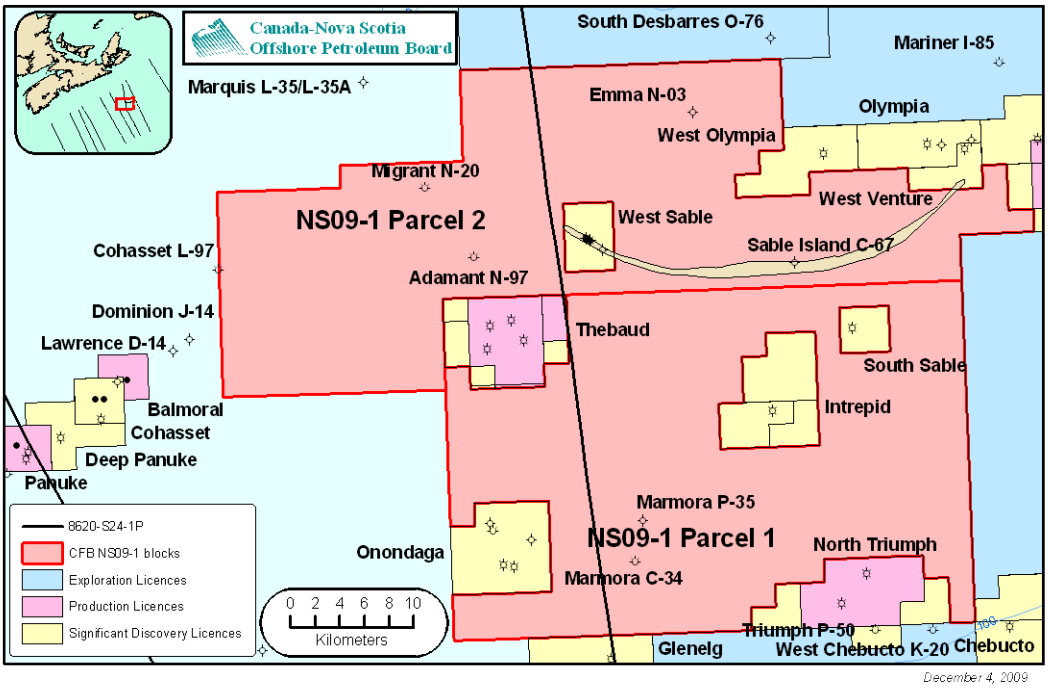


Figure 11: Location Map for 8624-B011-004E

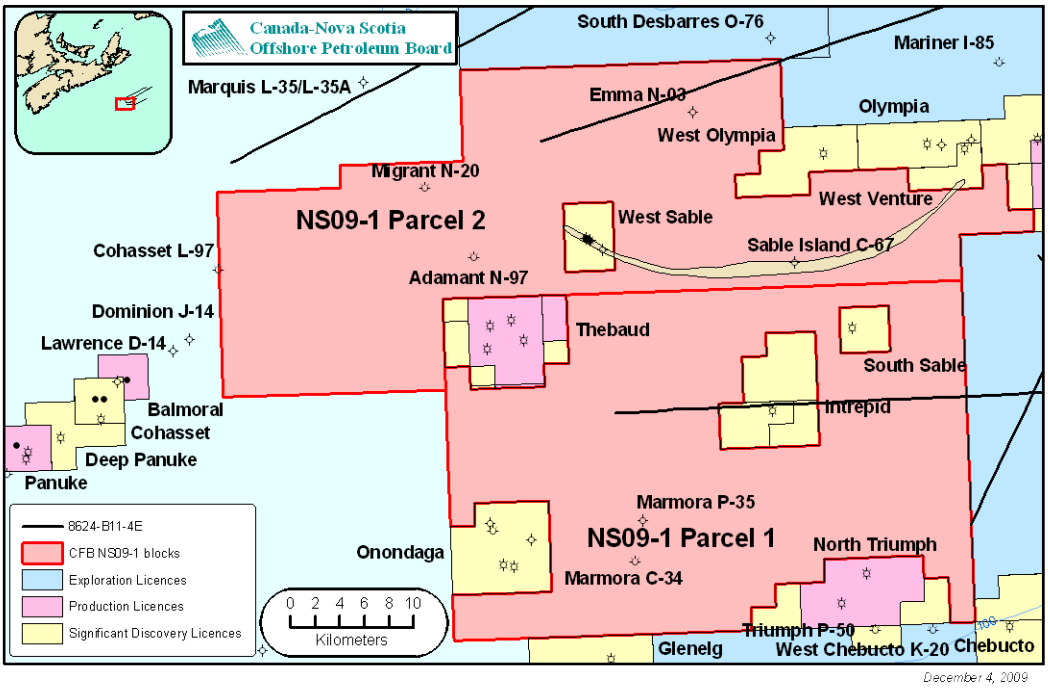


Figure 12: Location Map for 8624-C020-001E

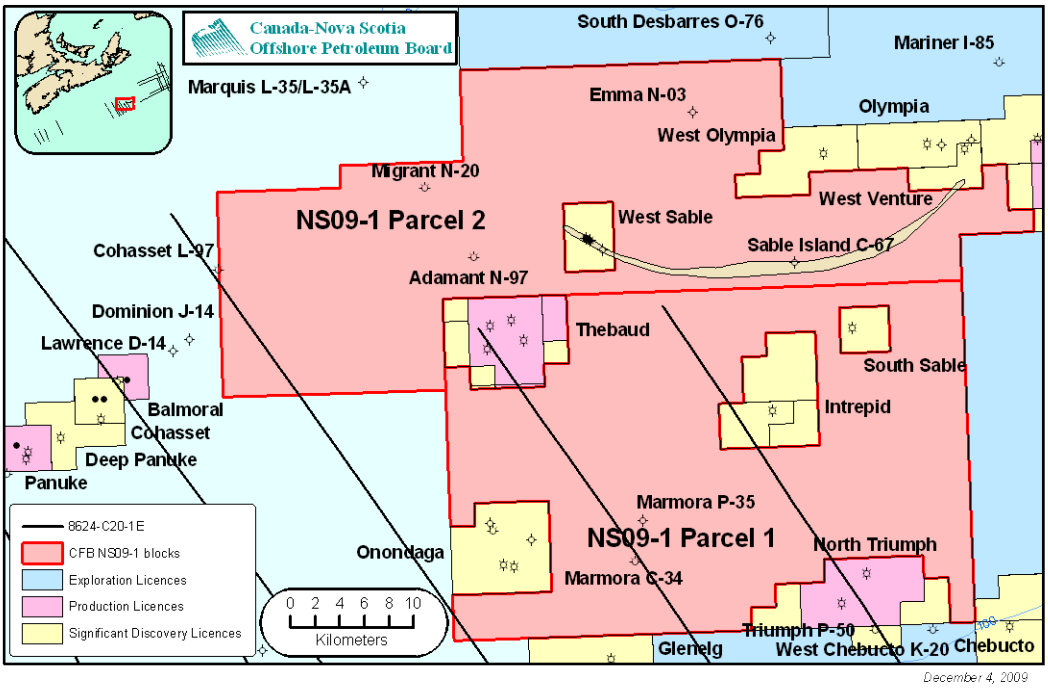


Figure 13: Location Map for 8624-G005-007P

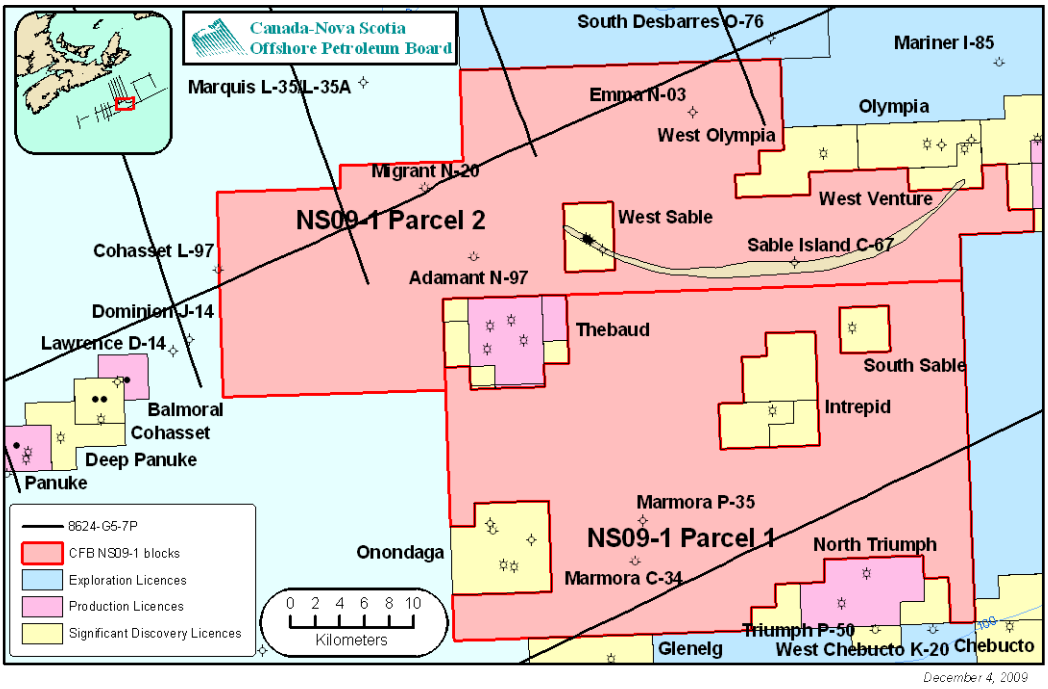


Figure 14: Location Map for 8624-G005-008P

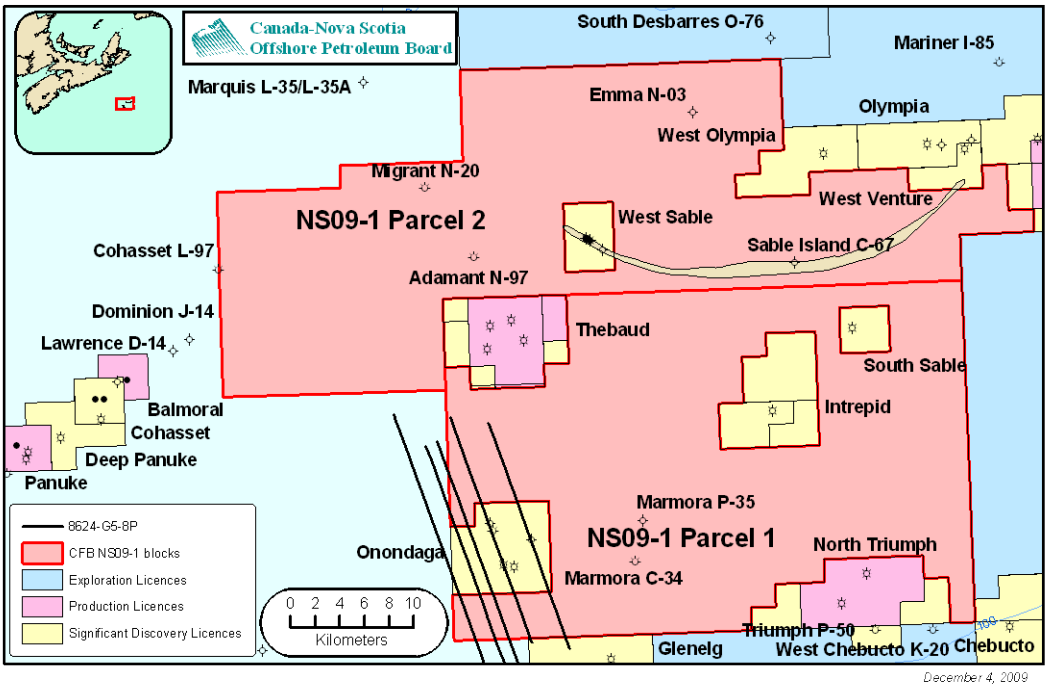


Figure 15: Location Map for 8624-H006-004E

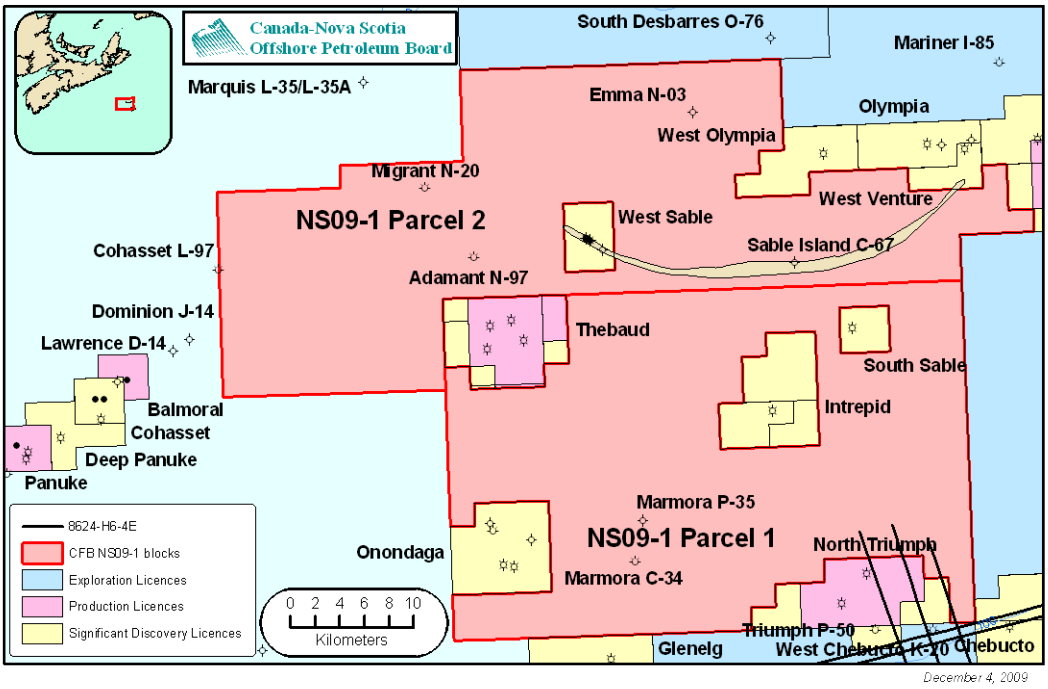


Figure 16: Location Map for 8624-H006-007E

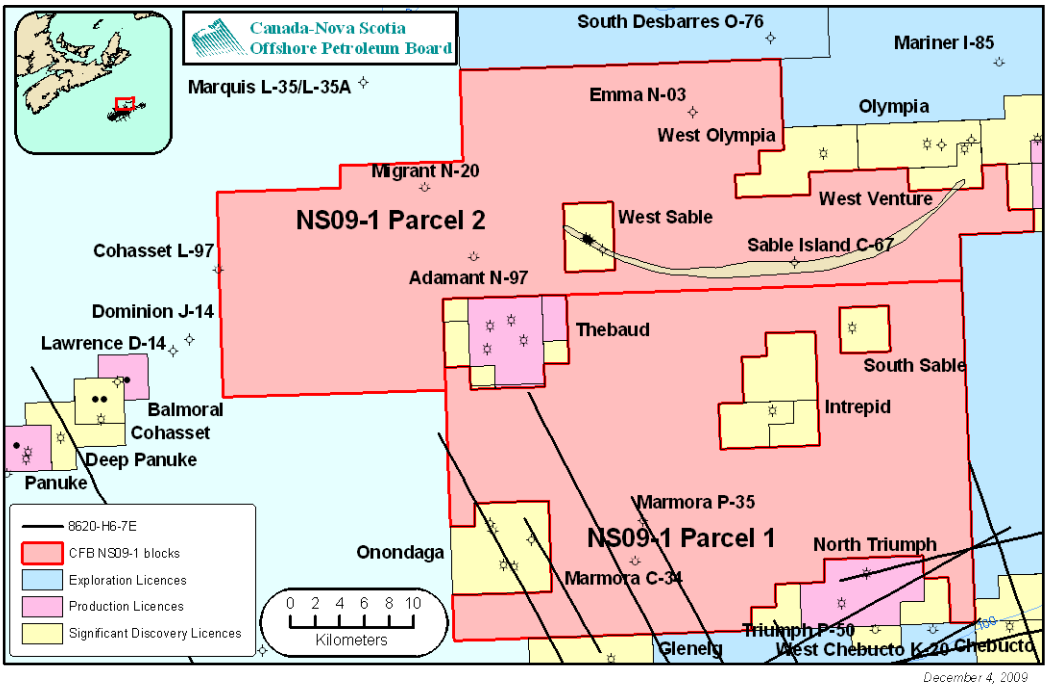


Figure 17: Location Map for 8624-H006-010E

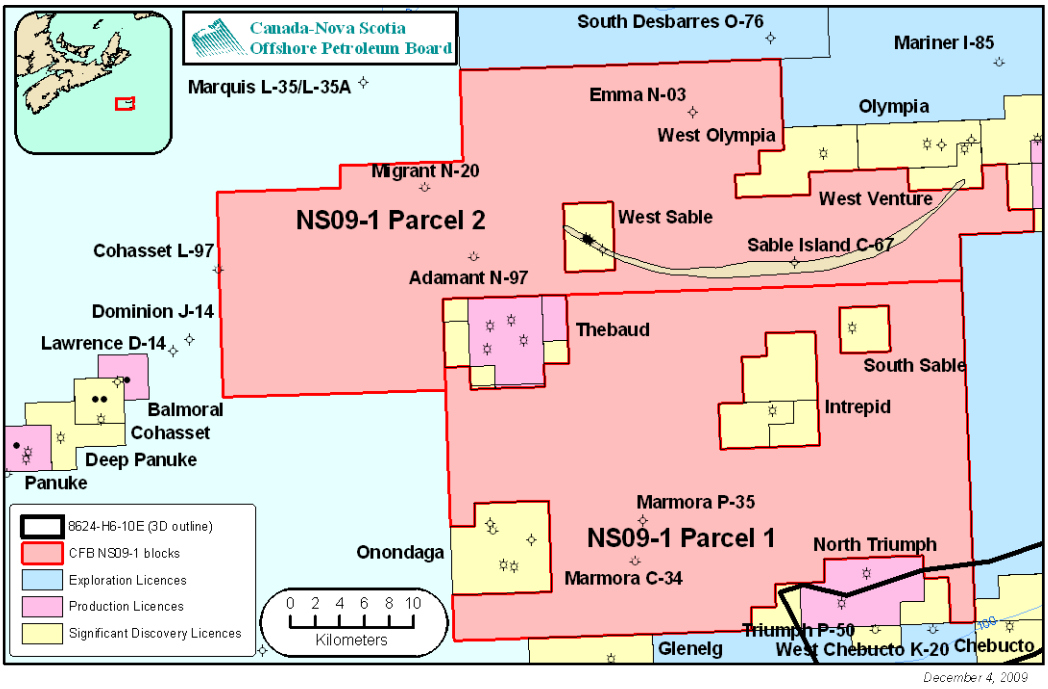


Figure 18: Location Map for 8624-M003-010E

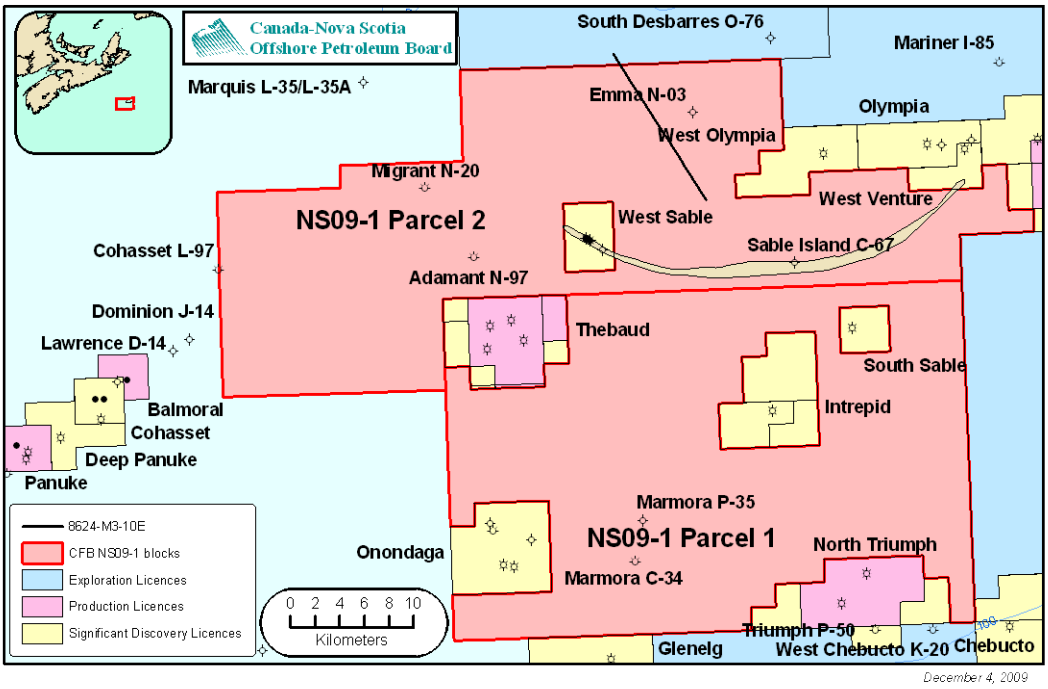


Figure 19: Location Map for 8624-M003-025E

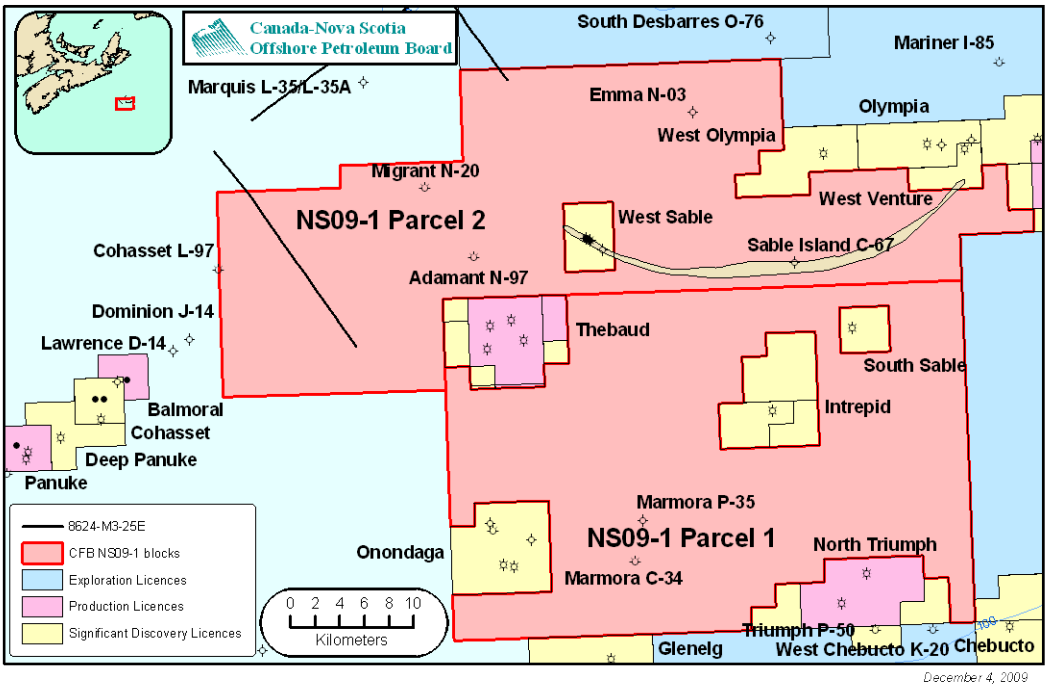


Figure 20: Location Map for 8624-M003-033E

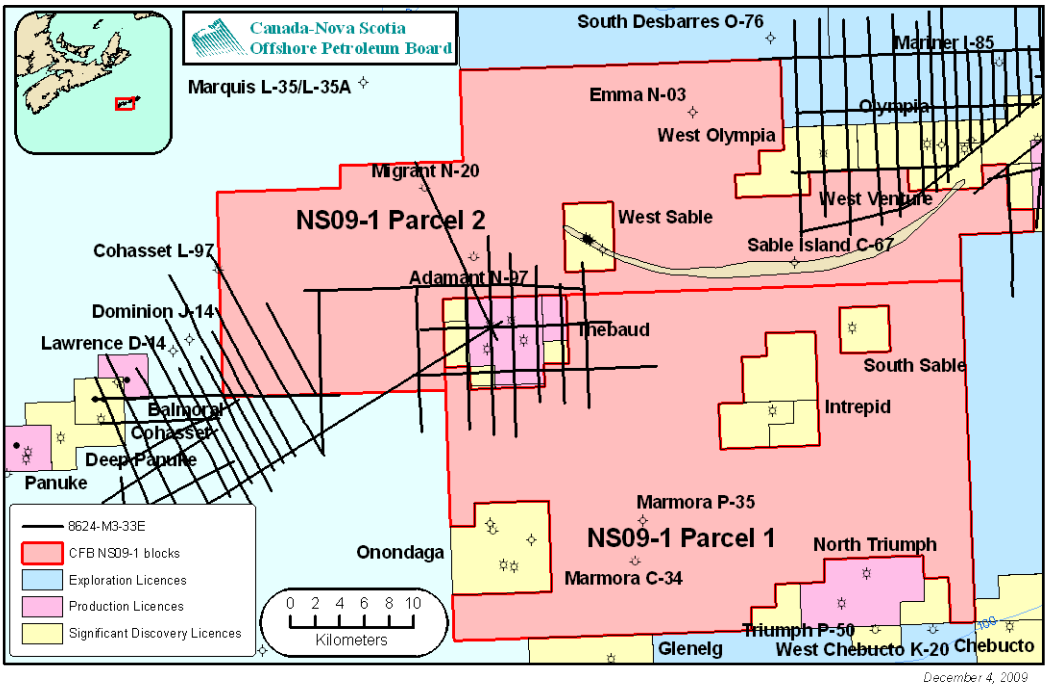


Figure 21: Location Map for 8624-M003-035E

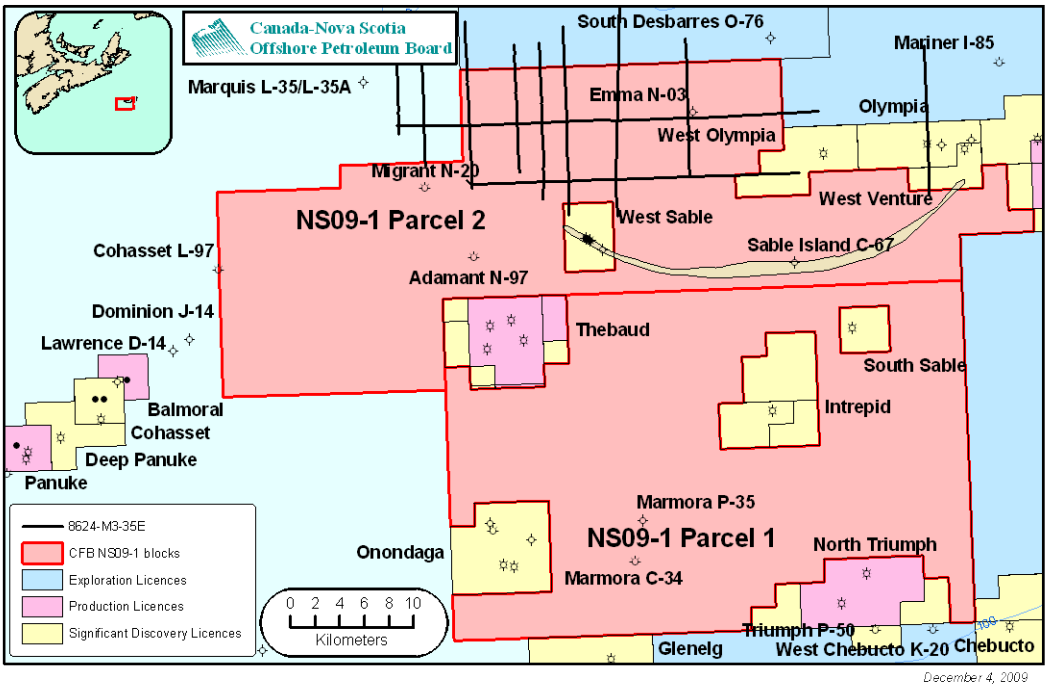


Figure 22: Location Map for 8624-M003-044E

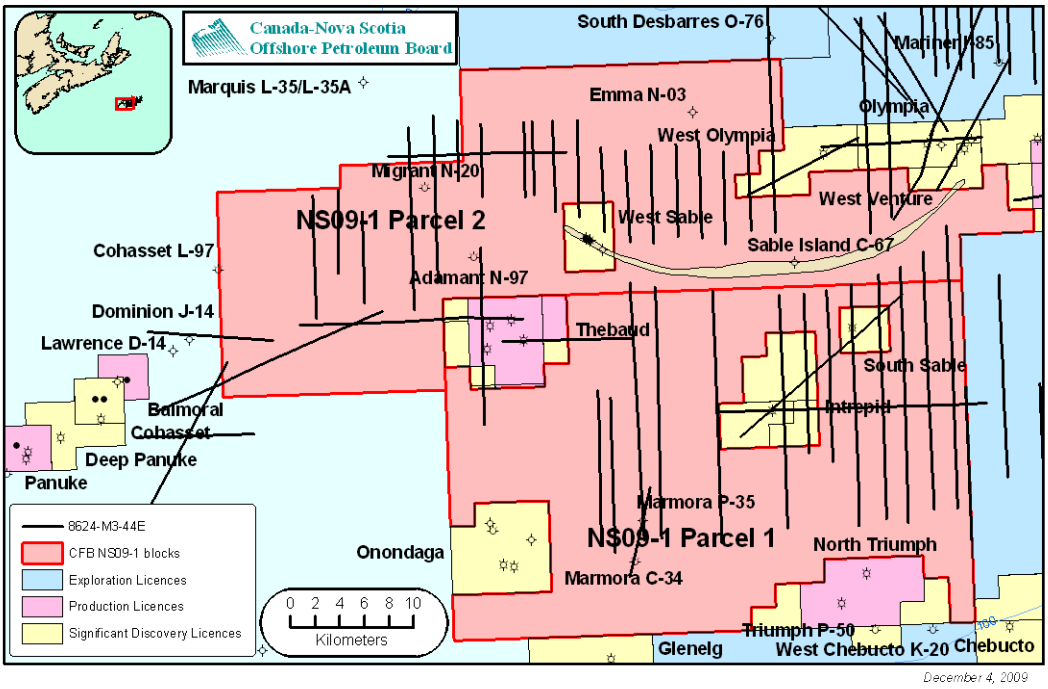


Figure 23 Location Map for 8624-M003-045E

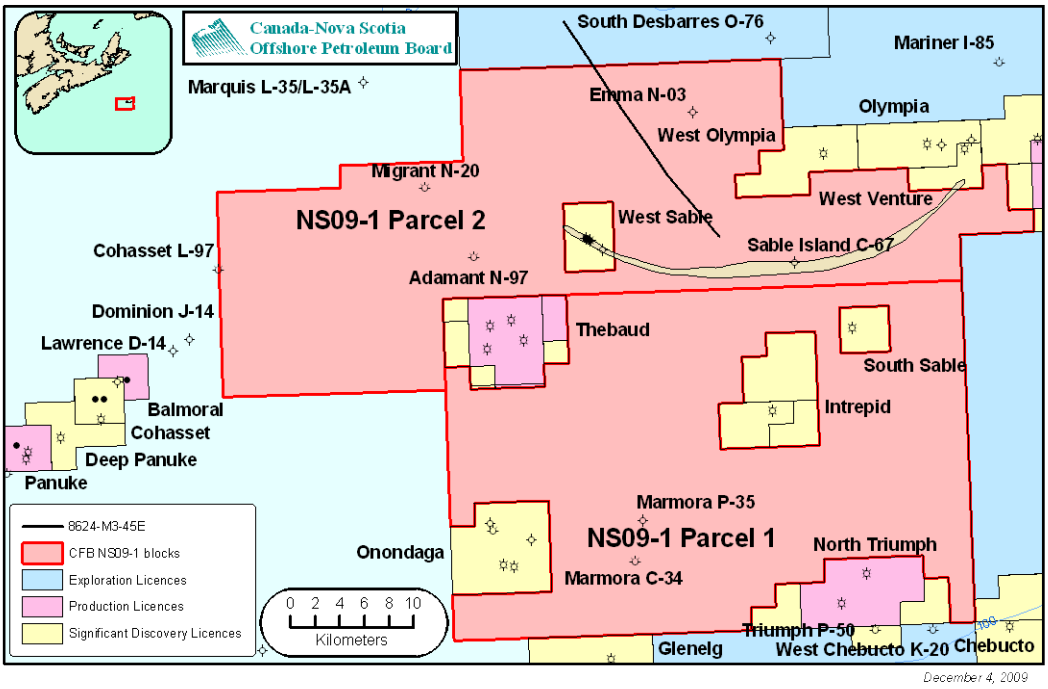


Figure 24: Location Map for 8624-M003-047E

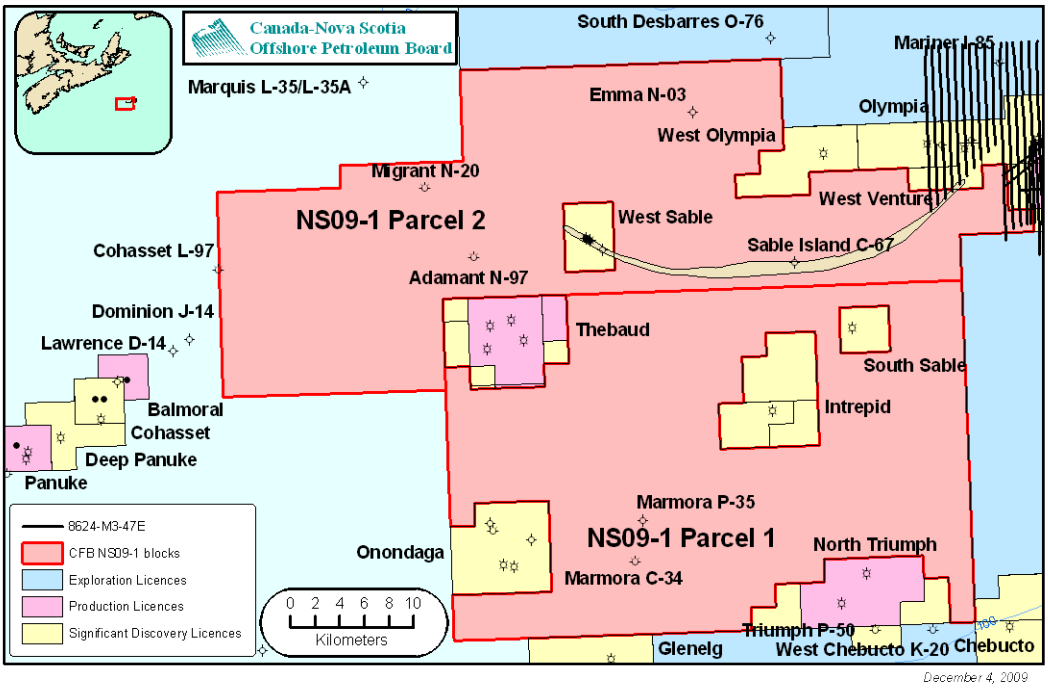


Figure 25: Location Map for 8624-M003-049E

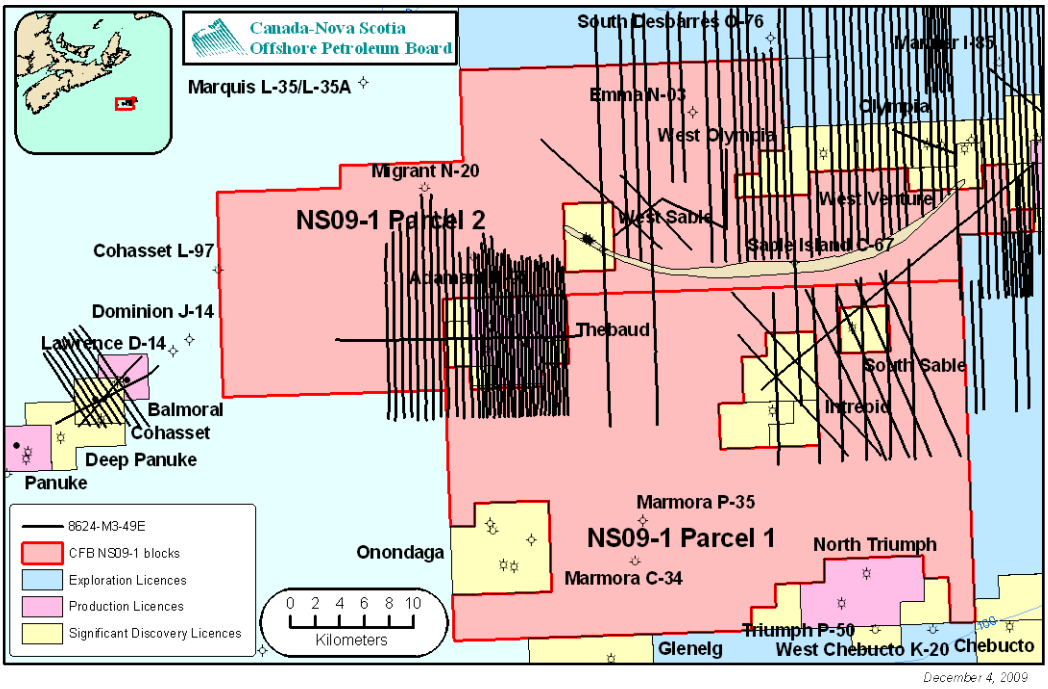


Figure 26: Location Map for 8624-N005-002E

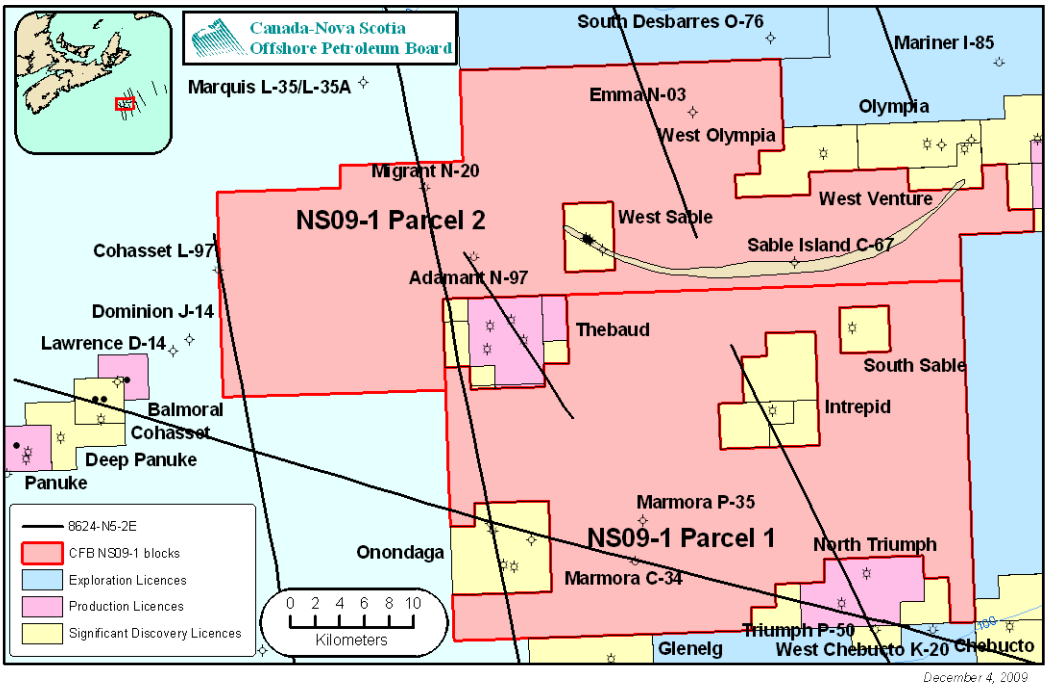


Figure 27: Location Map for 8624-P028-072E

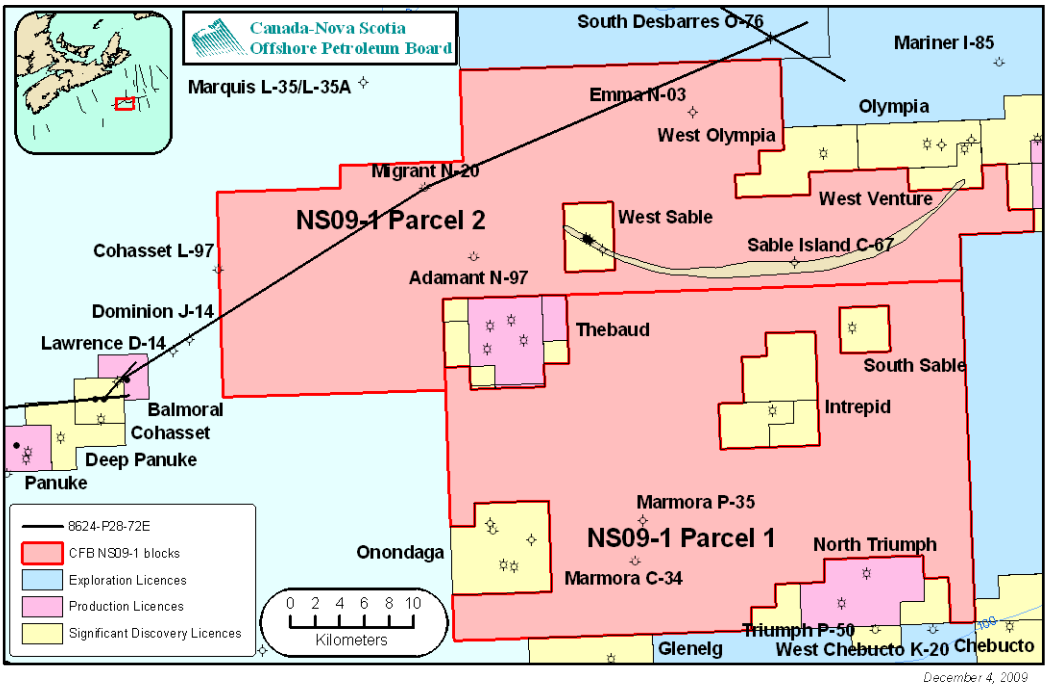


Figure 28: Location Map for 8624-P028-073E

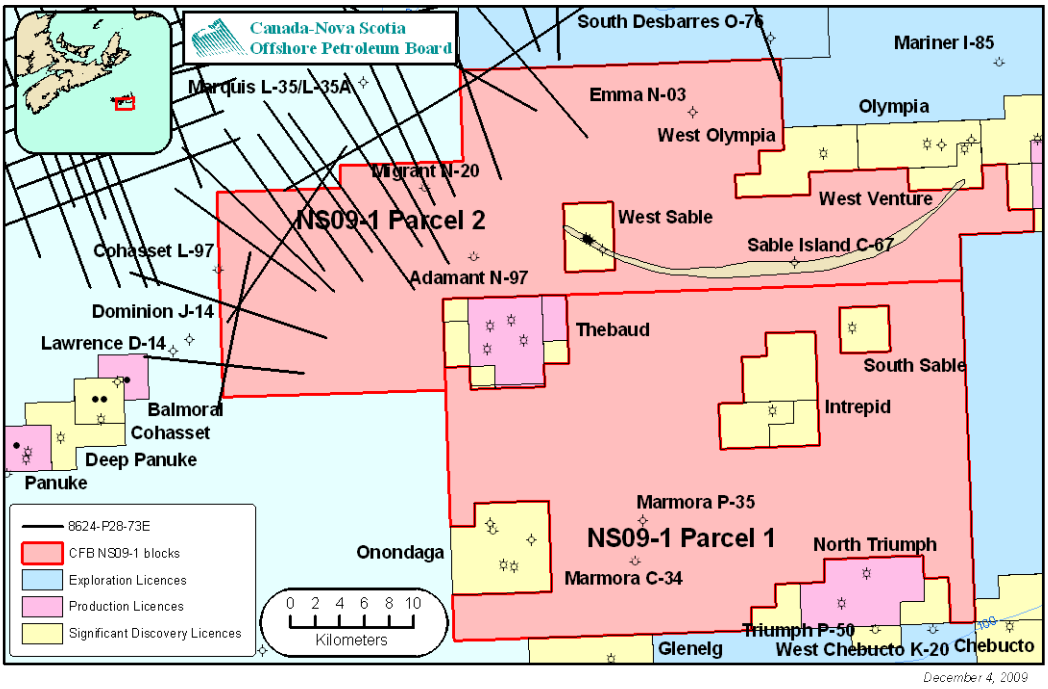


Figure 29: Location Map for 8624-S006-005E/006E

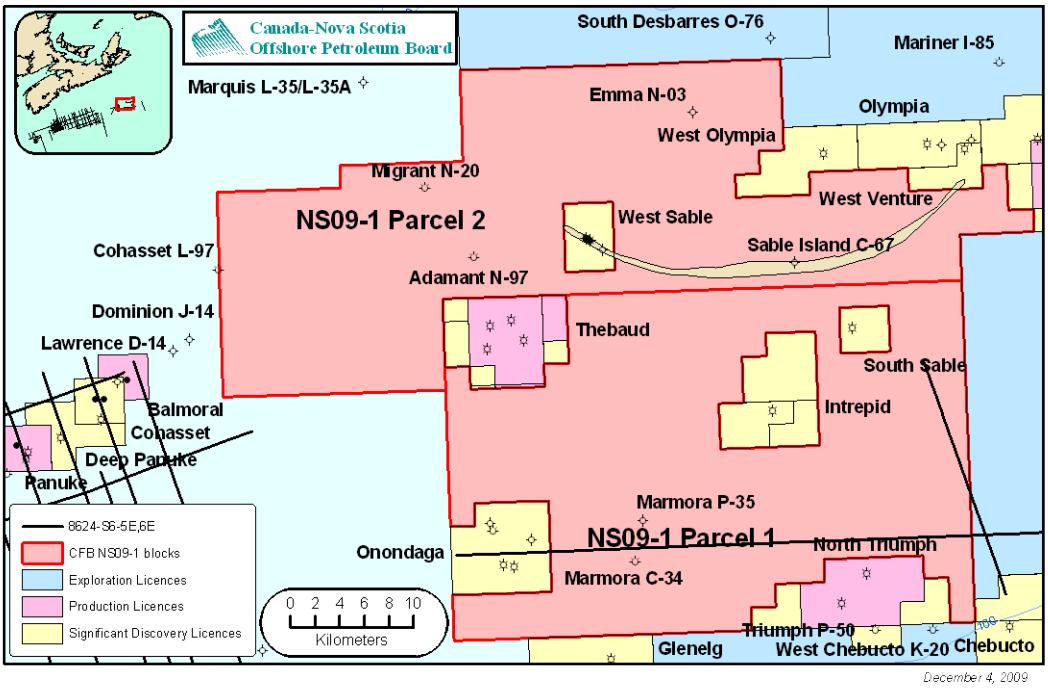


Figure 30: Location Map for 8624-S006-008E

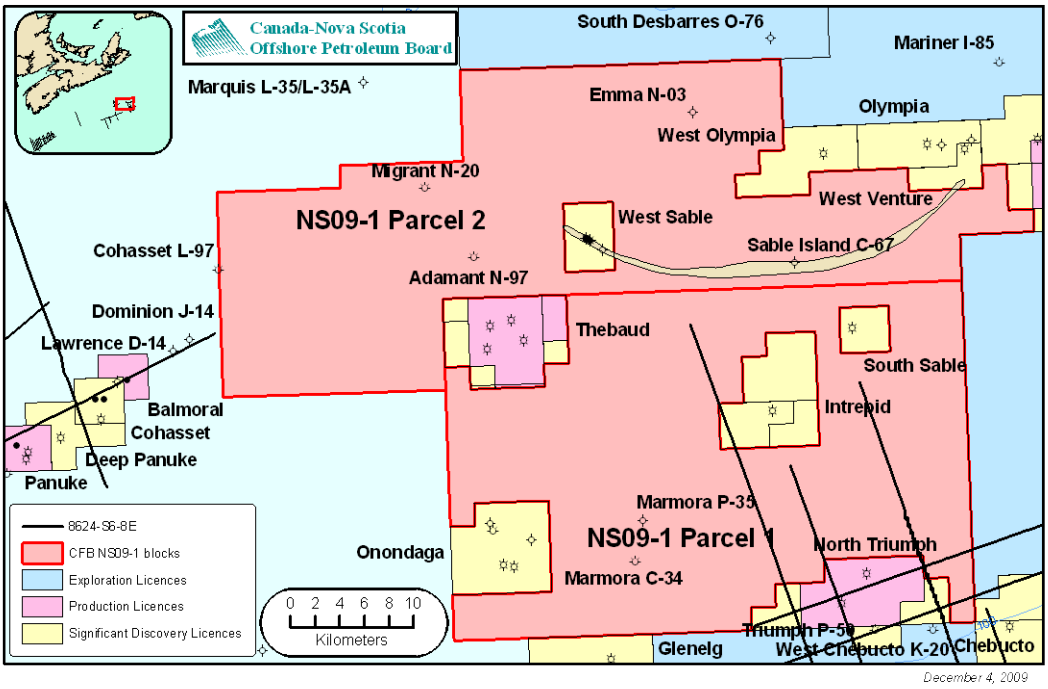


Figure 31: Location Map for 8624-S006-020E

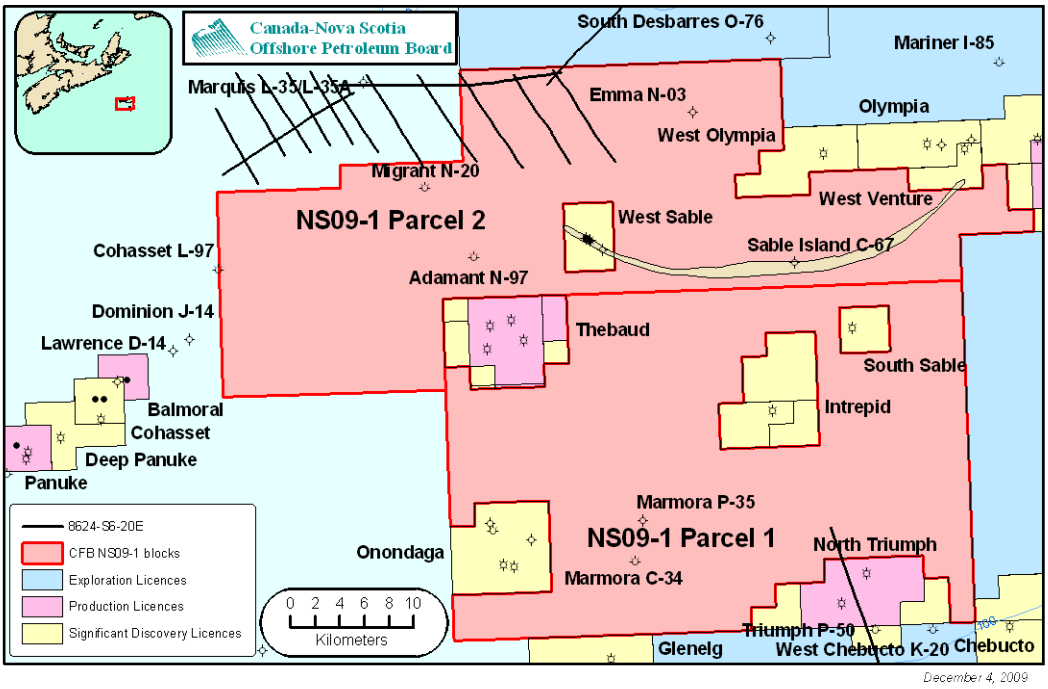


Figure 32: Location Map for 8624-S006-023E

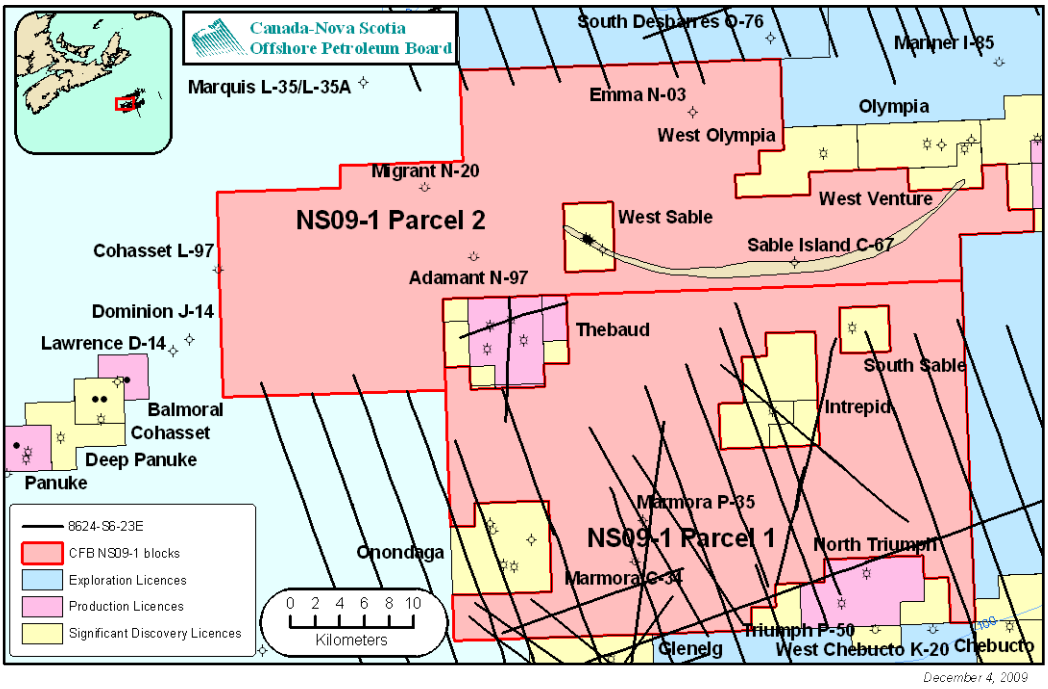


Figure 33: Location Map for 8624-S006-027E

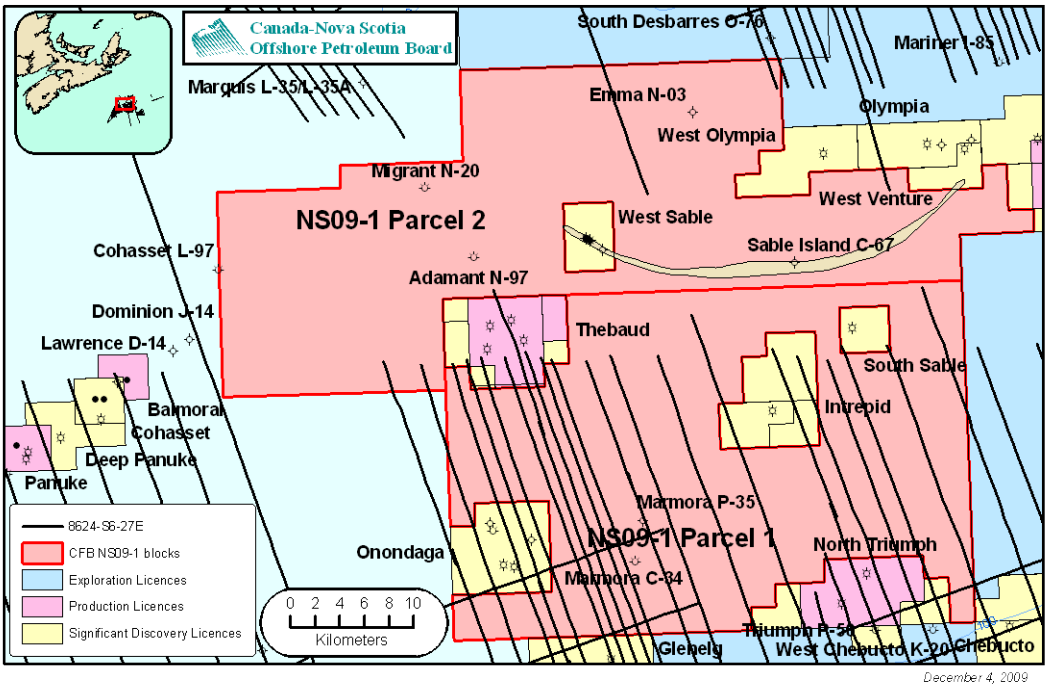


Figure 34: Location Map for 8624-S006-033E

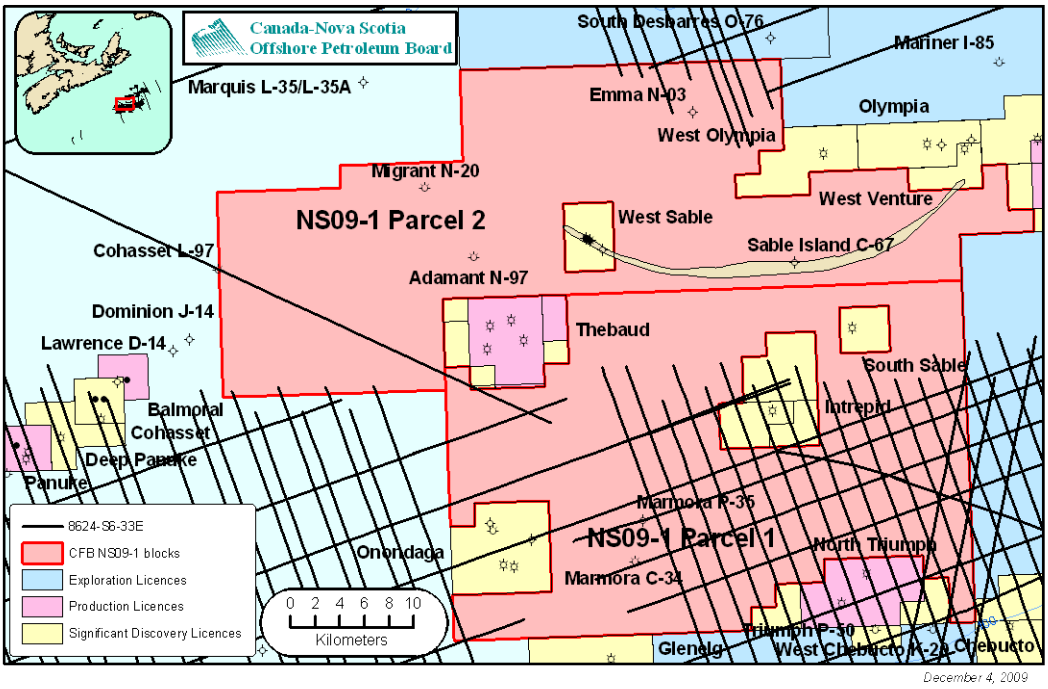


Figure 35: Location Map for 8624-S006-035E

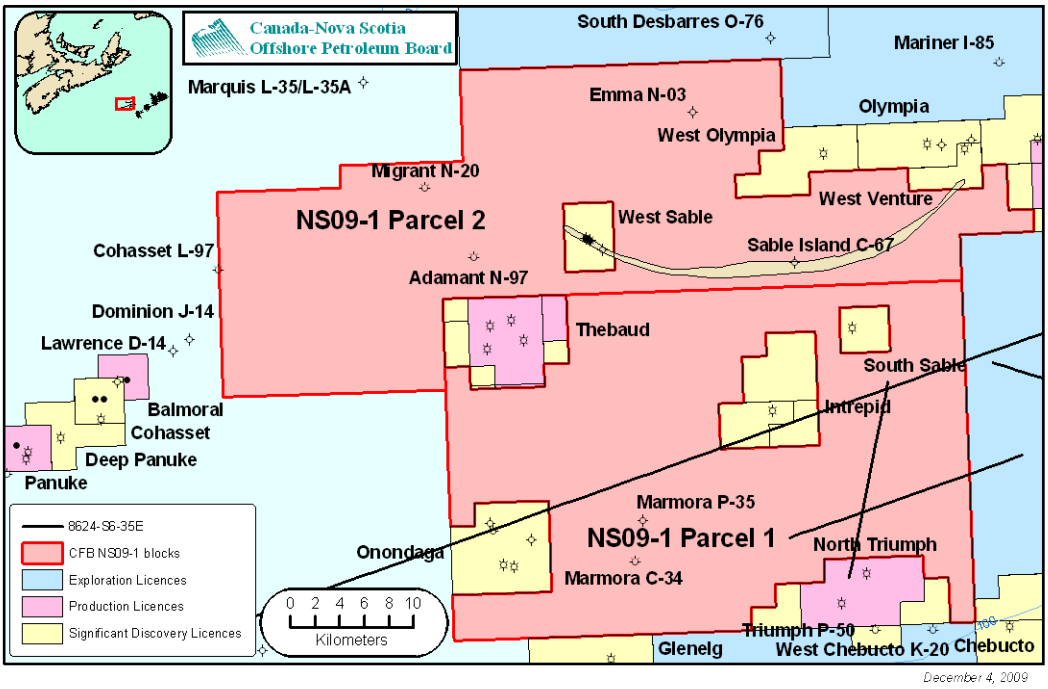


Figure 36: Location Map for 8624-S006-037E

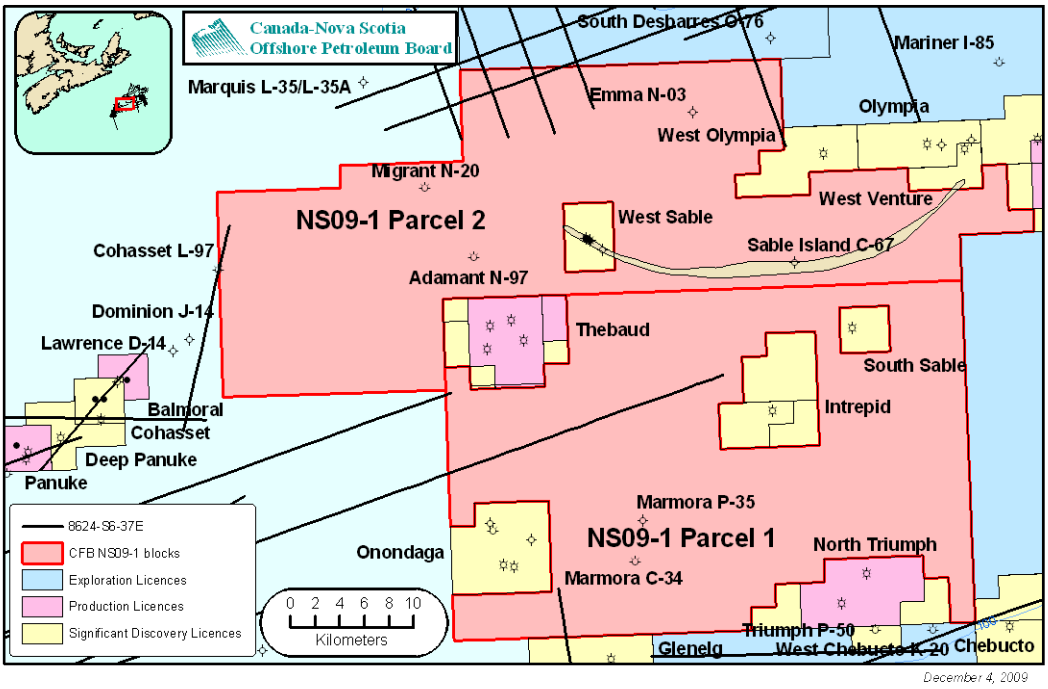


Figure 37: Location Map for 8624-S006-043E

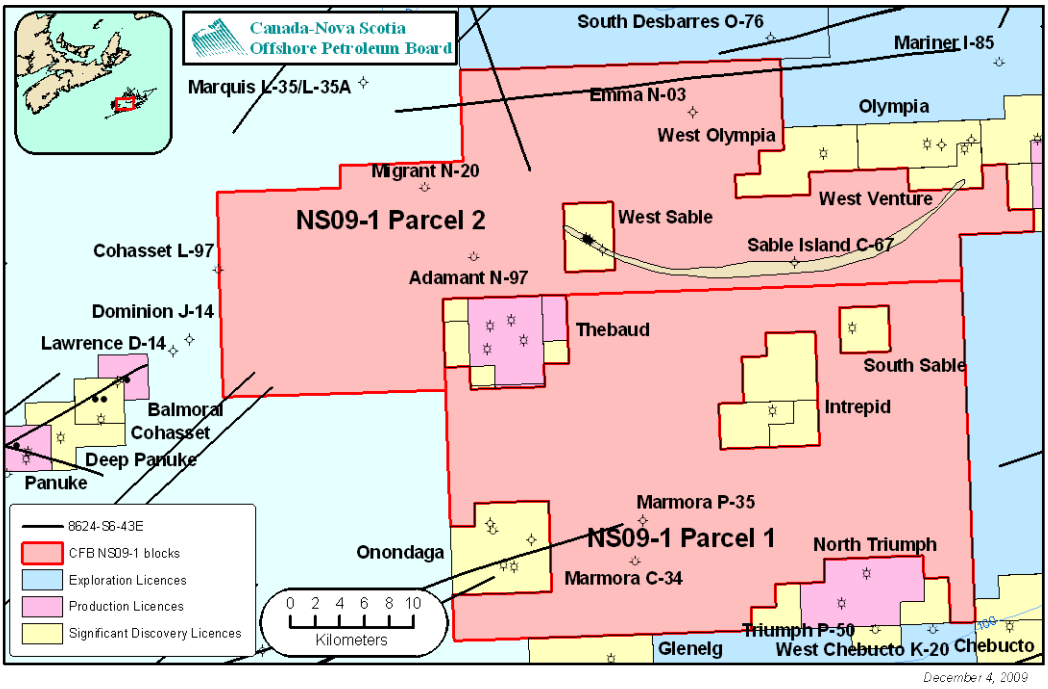


Figure 38: Location Map for 8624-W013-001P

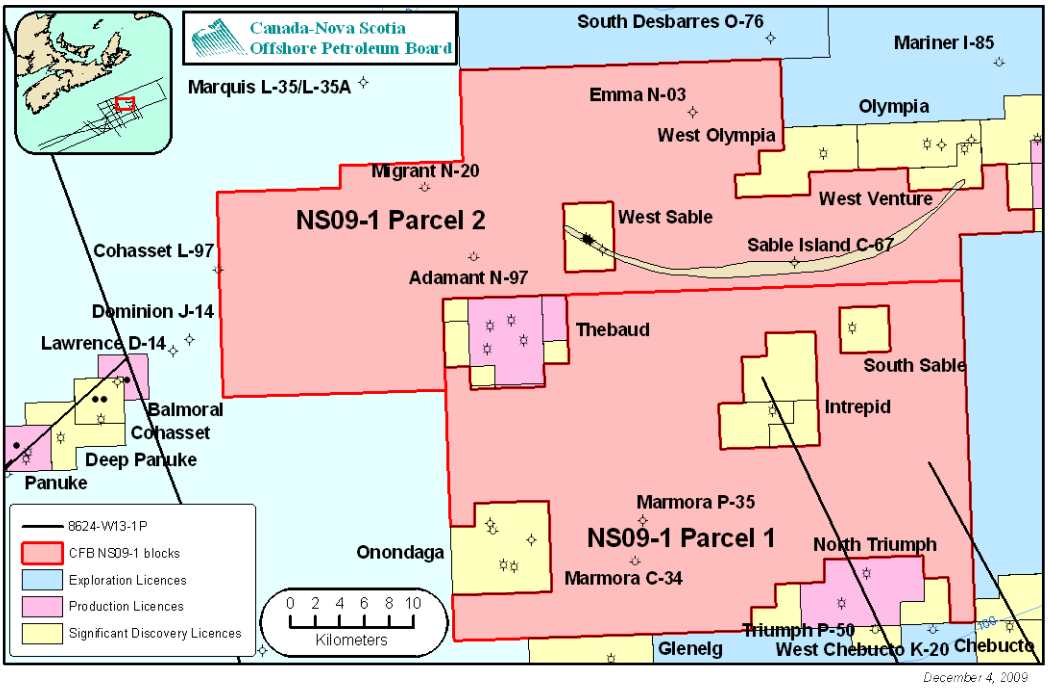


Figure 39: Location Map for 8624-W013-002P

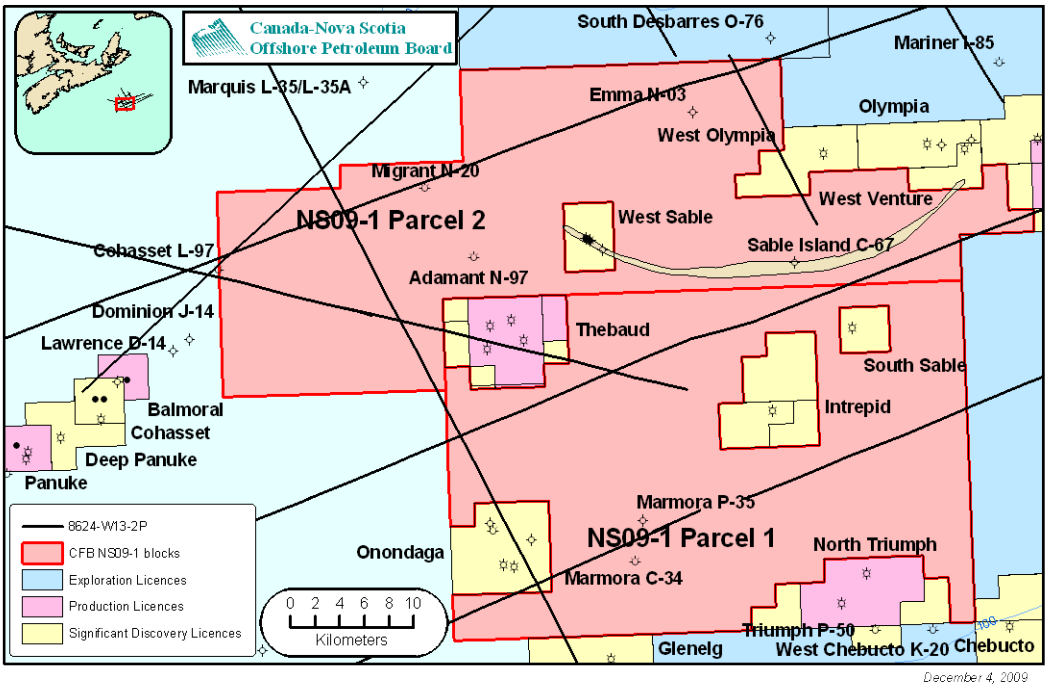


Figure 40: Location Map for NS24-G005-004P

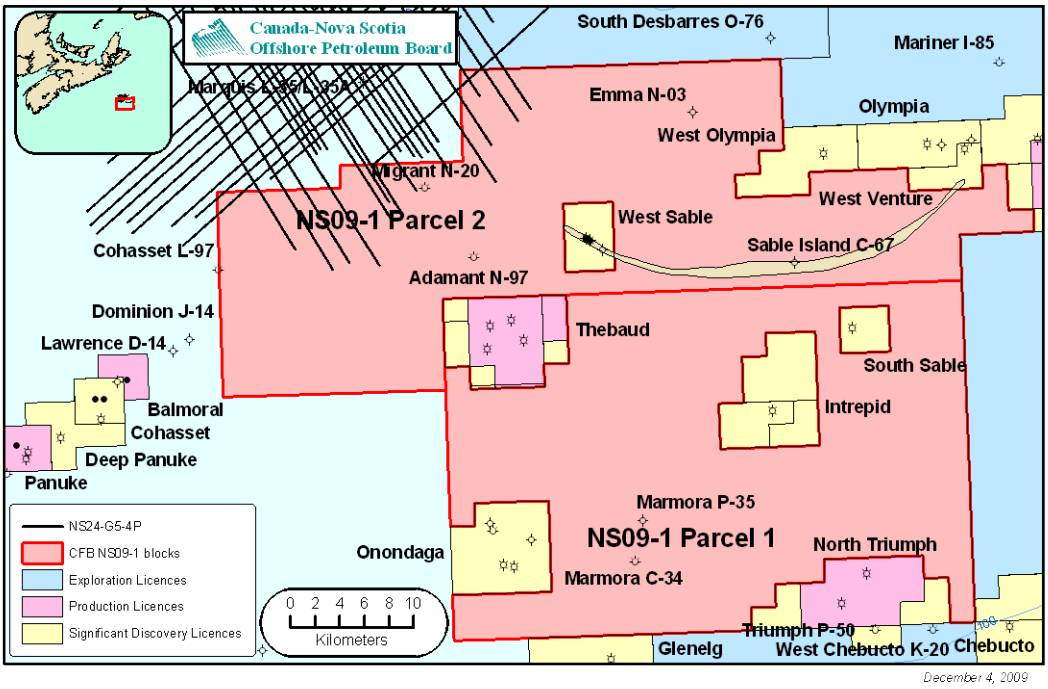


Figure 41: Location Map for NS24-G005-007P

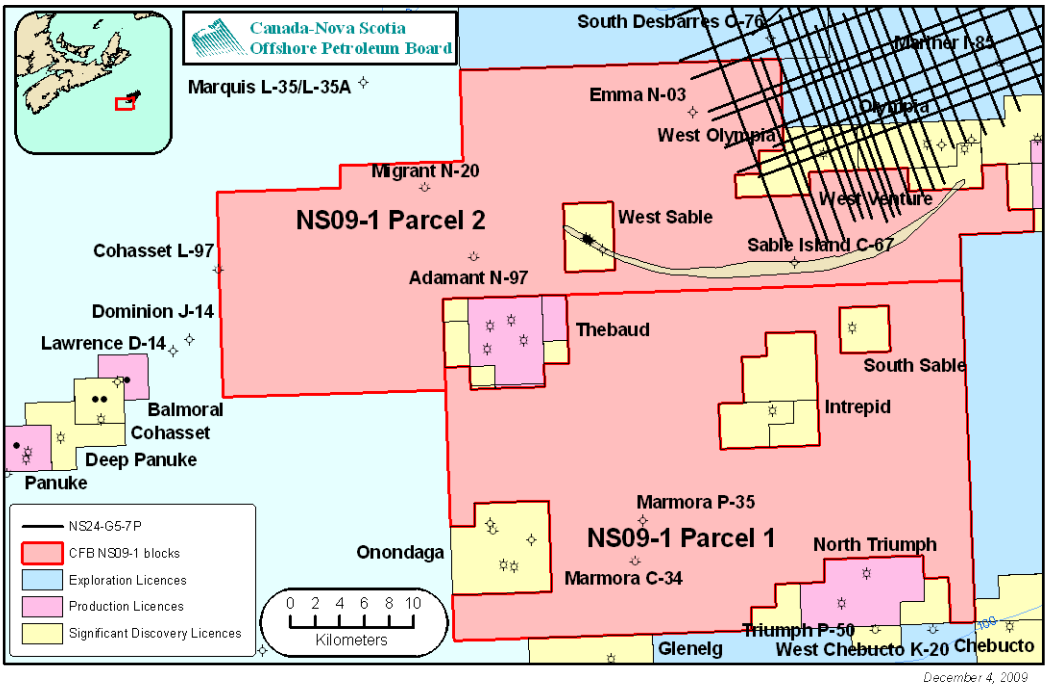


Figure 42: Location Map for NS24-L023-004E

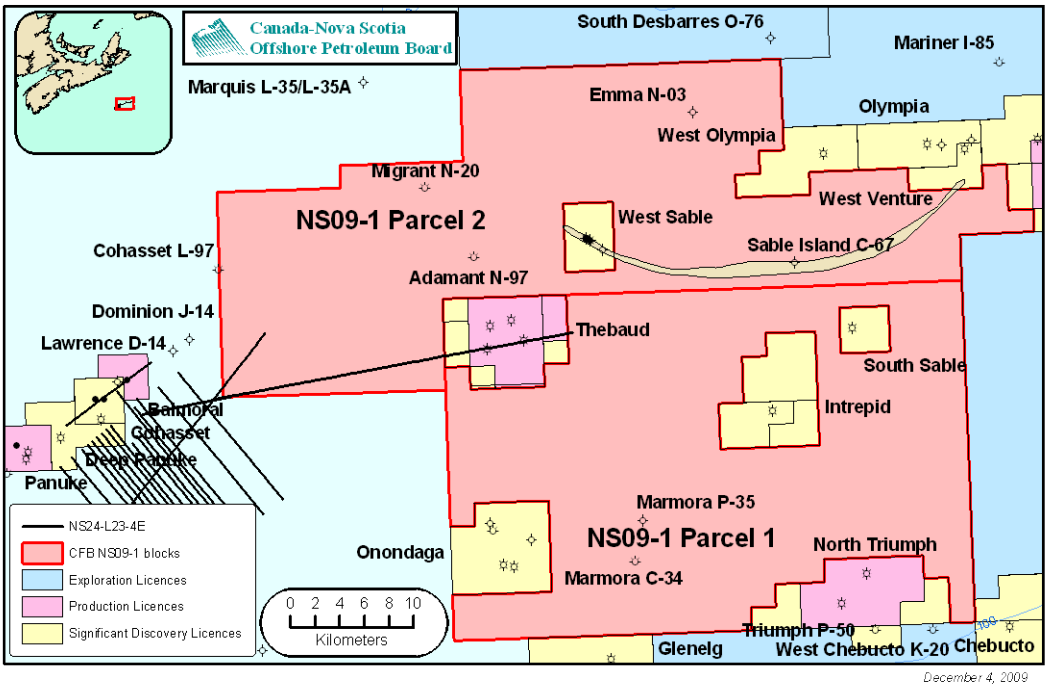


Figure 43: Location Map for NS24-M003-001E

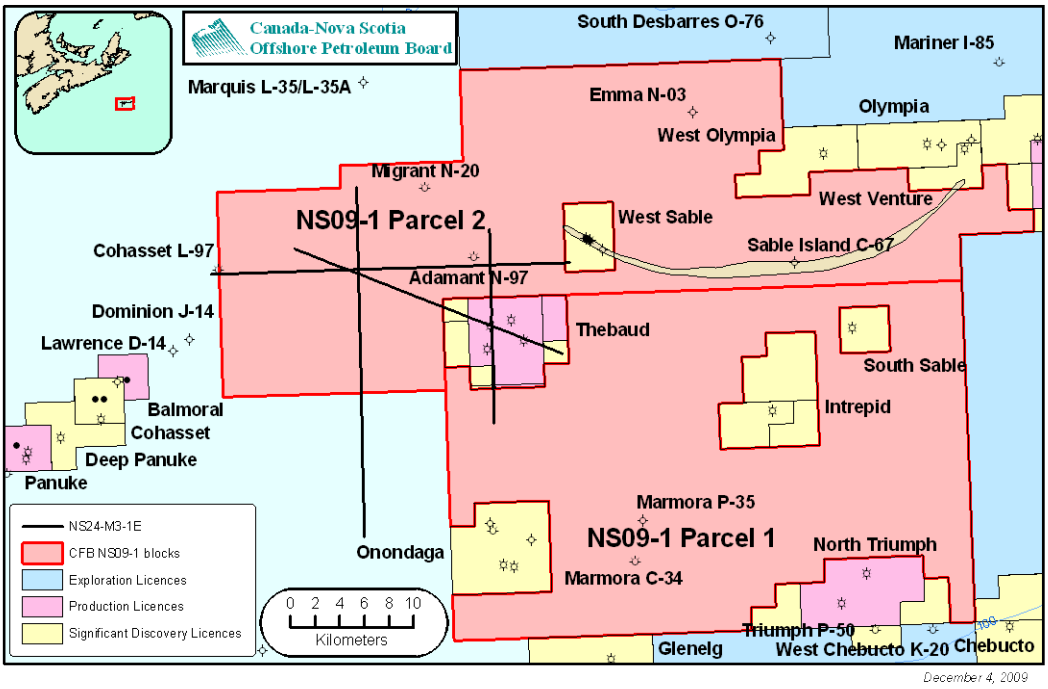


Figure 44: Location Map for NS24-M003-003E

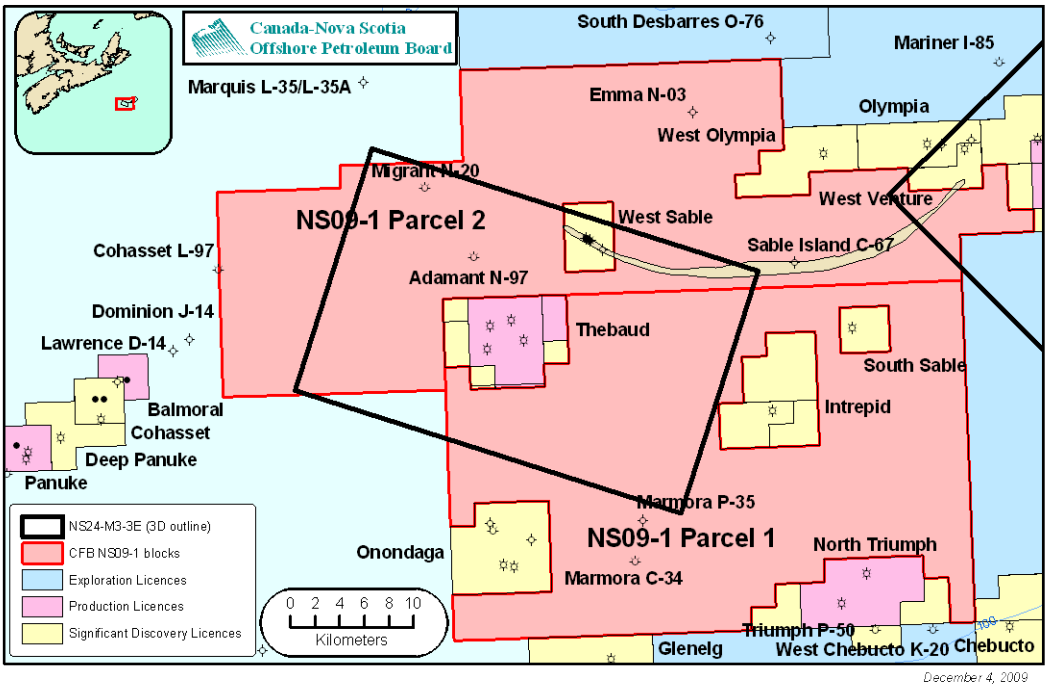


Figure 45: Location Map for NS24-M003-006E

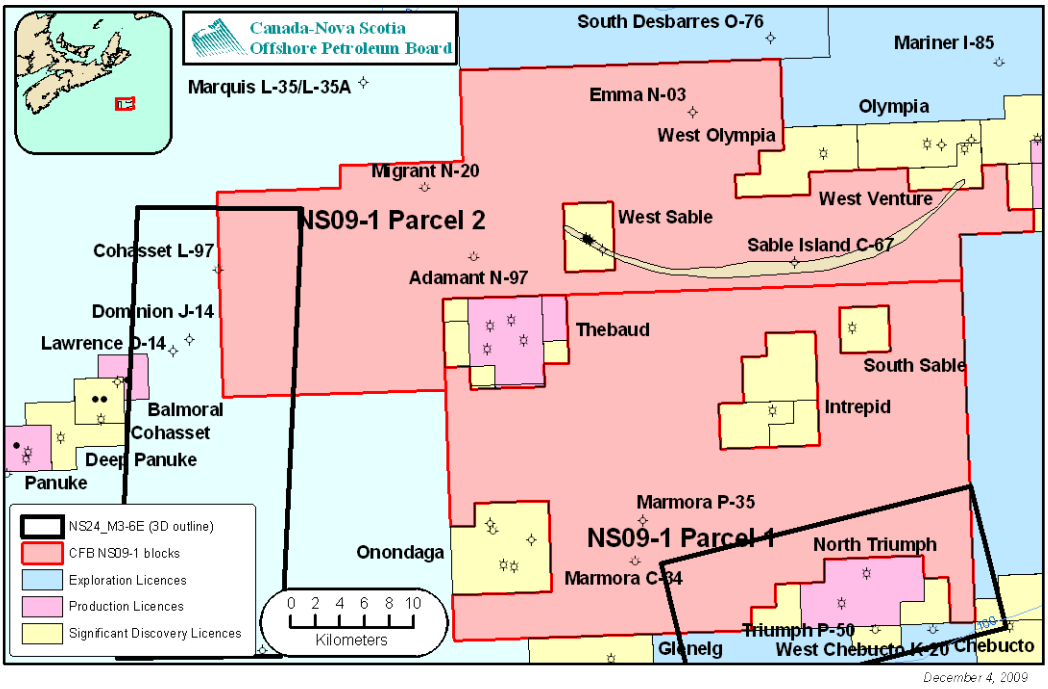


Figure 46: Location Map for NS24-M003-007E

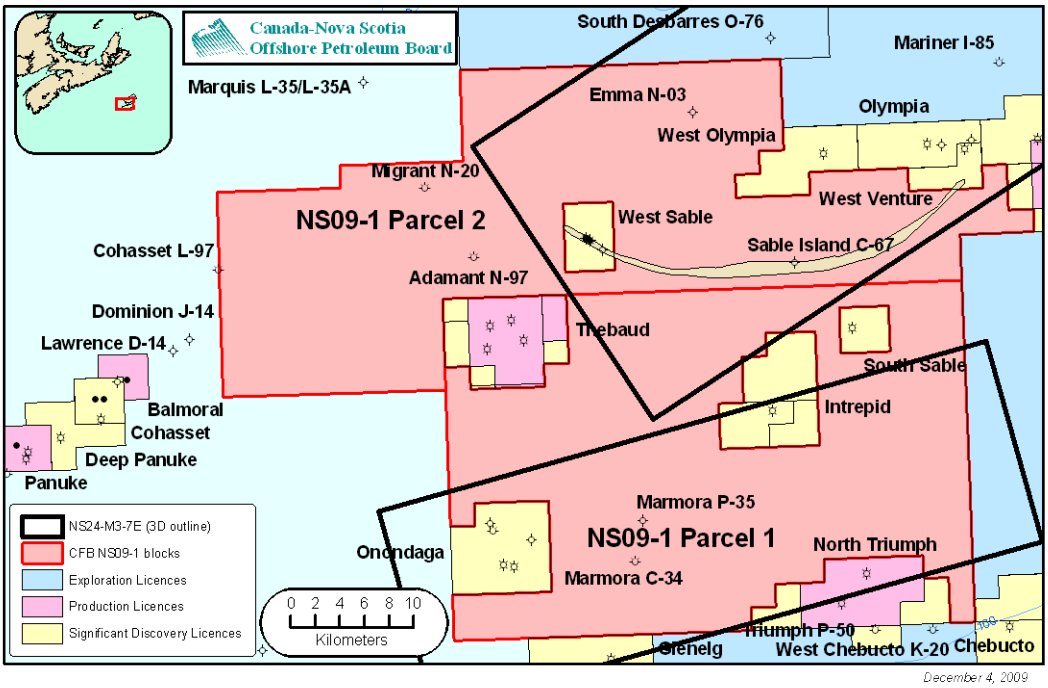


Figure 47: Location Map for NS24-M003-009E

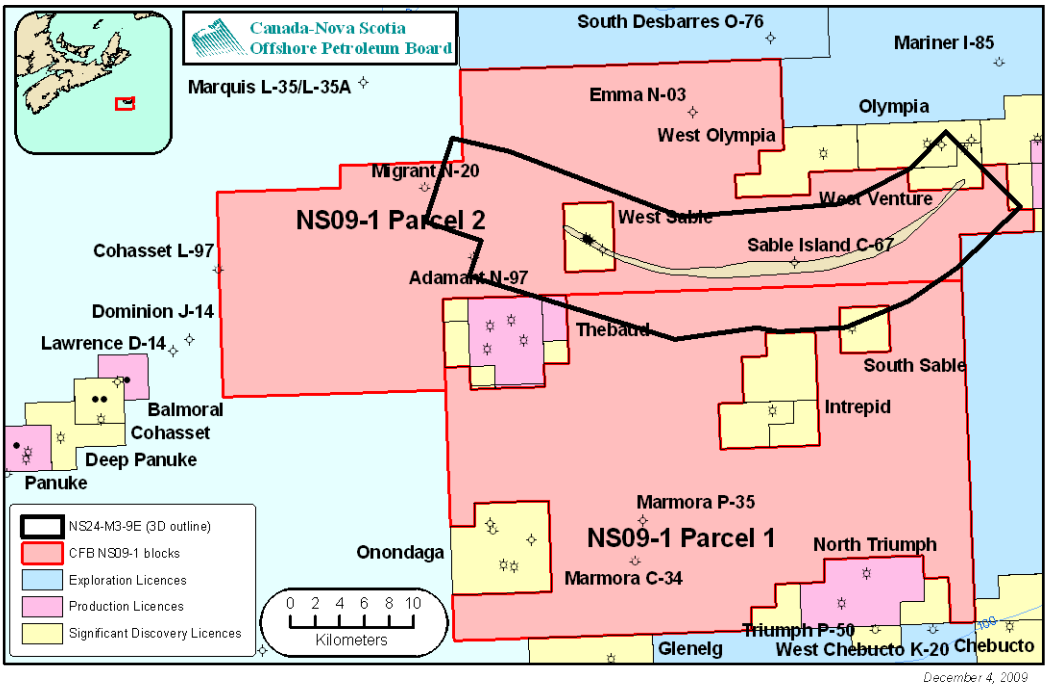
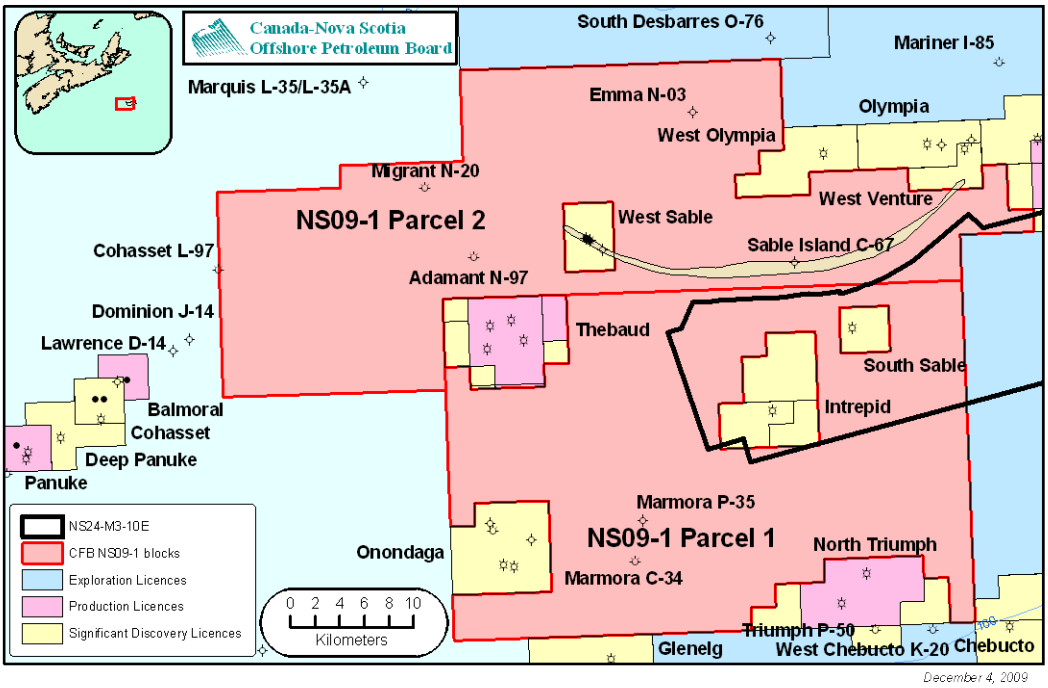


Figure 48: Location Map for NS24-M003-010E



4. Seismic Spec Company Contacts

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