Unique Identifier	325
Well Name and Number	Dorchester 1
Company/ Well Licensee	Shell Oil Company/New Brunswick Oilfields Ltd.
Company Address	
Company Telephone	
Company Contact	
Applicant Name	
Applicant Address	
Applicant Telephone	
Right Owner Name	
Right Owner Address	
Right Owner Telephone	
Title (ONG#)	

Prospect	Oil and Gas	Right of Entry	No
Date Issued (mm/dd/yyyy)		Security	
Spud Date (mm/dd/yyyy)	06/24/1949	Rig Release Date (mm/dd/yyyy)	(XX/XX/1950)
Total Depth (m)	2509.15	Cost	
Inclination	-90	True Azimuth	
County	Westmorland	Unit	
NTS	21H/15E	Section	
Lattitude	45.91417	Longitude	64.53167
Latitude Degrees	45	Longitude Degrees	64
Latitude Minutes	54	Longitude Minutes	31
Latitude Seconds	51	Longitude Seconds	54
Locations	45-54-51, 64-31-54		

Ground Elevation (m)	4.27
Kelly Elevation (m)	6.40

Depth of Lithologic Units Below	Kelly	☐	Ground	☑	MSL	☐	Sea Floor	☐
Depth of Wireline Logs Below	Kelly	☑	Ground	☐	MSL	☐	Sea Floor	☐

Lithologic Unit	Top (m)	Bottom (m)	Drill Thickness (m)
Hopewell Cape Formation	0	121.34	121.34
Lime-kiln Brook Formation	121.34	542.68	421.34
Pugwash Mine Formation	542.68	1519.82	977.14
Upperton Formation	1519.82	1577.74	57.92
Macumber Formation	1577.74	1603.66	25.92
Hillsborough Formation	1603.66	1685.98	82.32
Albert Formation	1685.98	2509.15	823.17

Geological Notes	

Lithologic Units (Top to Bottom)

Hopewell Cape Formation, Lime-kiln Brook Formation, Pugwash Mine Formation, Upperton Formation, Macumber Formation, Hillsborough Formation, Albert Formation

Log	Top(m)	Bottom(m)
Lithologic	0	2508.50
Resistivity, Spontaneous Potential	1575.82	2459.13

Logs	Lithologic 0-2508.50m; Resistivity, Spontaneous Potential 1575.82-2459.13m.
Notes	

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Well Program - Casing and Cementing

Drilling Contractor:	
Rig:	Franks 4000
Expected Depth (m):	0

Bit Size	Casing	Wt Kg/m	Grade	Setting Depth (m)	Cement	New or Used	Make
	13 3/8"			124.97			
	9 5/8"			1578.25	500 sacks		nada Portland Ce

Control Equipment:	
Drilling Fluid:	Water-base

Well Samples

Building:	Fredericton		
Core:		Chips:	
Bank:		Cabinet:	7t
Section:		Tray:	12, 13, 14, 15, 16, 17
Interval (m):	0	Interval (m):	0-2508.50
		%:	74.1
Remarks:			

REMARKS

Water and Chip Analysis Legend

#	Lab	Method	Analyte	Units
1	DNRE Geological Surveys Branch	Atomic Absorption	Cu	ppm
2	DNRE Geological Surveys Branch	Atomic Absorption	Pb	ppm
3	DNRE Geological Surveys Branch	Atomic Absorption	Zn	ppm
4	DNRE Geological Surveys Branch	Atomic Absorption	Mn	ppm
5	DNRE Geological Surveys Branch	Atomic Absorption	Fe	%
6	DNRE Geological Surveys Branch	Atomic Absorption	Ag	ppm
7	DNRE Geological Surveys Branch	Atomic Absorption	Co	ppm
8	DNRE Geological Surveys Branch	Atomic Absorption	Ni	ppm
9	DNRE Geological Surveys Branch	Colorimetry	Mo	ppm
10	DNRE Geological Surveys Branch	Colorimetry	V	ppm
11	Atomic Energy of Canada Ltd.	Neutron Activation/Delayed Neutron Counting	U	ppm
12	DOE Water Resources Branch	EDTA Titration	Ca, dissolved	ppm
13	DOE Water Resources Branch	Atomic Absorption	Ca, dissolved	ppm
14	DOE Water Resources Branch	EDTA Titration	Mg, dissolved	ppm
15	DOE Water Resources Branch	Atomic Absorption	Mg, dissolved	ppm
16	DOE Water Resources Branch	Atomic Absorption	Na	ppm
17	DOE Water Resources Branch	Atomic Absorption	K	ppm
18	DOE Water Resources Branch	Atomic Absorption	Mn, extractable	ppm
19	DOE Water Resources Branch	Atomic Absorption	Fe	%
20	DOE Water Resources Branch	Automatic Titration	Alkalinity (Total)	ppm (CaCO3)
21	DOE Water Resources Branch	Titration with mercuric nitrate	Cl	ppm
22	DOE Water Resources Branch	Electrode Potential	F	ppm
23	DOE Water Resources Branch	Colorimetry	SO4	ppm
24	DOE Water Resources Branch	Electrode	pH	-
25	DOE Water Resources Branch	Conductivity Meter	Conductivity	micro-ohms/cm
26	DNRE Geological Surveys Branch	Visual Turbidity	Visual Turbidity	-
27	DNRE Geological Surveys Branch	Oxygen Electrode	O2	ppm
28	DNRE Geological Surveys Branch	Specific Ion Analyzer w/ Eh Electrode	Eh	mV
29	DNRE Geological Surveys Branch	EDA Electronics Radon Counter	Rn	piccocuries/litre
30	Chemical Products Ltd.	Mass Spectrometer	He	cc at STP/cc H2O X 10(-8)
31	Chemical Products Ltd.	Chromatograph w/ Flame Ionization Detector	Meth	cc at STP/cc H2O X 10(-8)
32	Chemical Products Ltd.	Chromatograph w/ Flame Ionization Detector	Etha	cc at STP/cc H2O X 10(-8)

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33	Chemical Products Ltd.	Chromatograph w/ Flame Ionization Detector	Ethy	cc at STP/cc H2O X 10(-8)
34	Chemical Products Ltd.	Chromatograph w/ Flame Ionization Detector	Prop	cc at STP/cc H2O X 10(-8)
35	DNRE Geological Surveys Branch	Fluorimetry	U	ppb