TABLE 4. Variation of organic facies (volume % of maceral affinity association) and their associated petrographic criteria, maturity, kerogen type, and inferred oil/gas potential related to lithology, age, stratigraphy and depositional environment of analyzed sediments from selected Scotian Shelf wells (modified from Mukhopadhyay and Birk, 1989)

Well Name	Depth (m)	Lithology	Formation	Age	Environment[1]	Vitrinite Reflectance (% Ro) %Ro	Std. Dev.	Maturity	Organic Facies Distribution[2] 1	2	3	4	5	6	Oxidation Level (Environment[3])	Organic Input	Kerogen Type[4]	Oil/Gas Potential[4]
Louisbourg J-47	1030	ss[5], dol.[5], lst[5] with minor sh	Banquereau	-	-	0.25	0.03	immature	1	3	14	9	72	1	(mildly oxic, shallow marine)	terrestrial	III	gas (minor)
	1575	grey sh with ss + lst	Dawson Canyon	Late Turonian	outer neritic	0.29	0.03	immature	2	16	23	13	44	2	"	mixed	IIB-III	gas
	1905	"	Logan Canyon	E. - Mid. Cenomanian	inner neritic	0.36	0.06	immature	2	7	18	14	58	1	"	terrestrial	III	gas (minor)
	2145	grey sh + clay with ss	"	Albian	"	0.35	0.04	immature	1	2	16	37	43	1	(mildly anoxic, shallow marine)	"	IIB-III	gas/cond.[5]
	2695	grey sh + clay with lst + ss	"	Early Albian	inner neritic - marginal marine	0.45	0.05	immature	1	3	36	21	37	2	"	"	IIB	cond./gas
	3105	grey ss with grey sh	Missisauga	L. Haut. - Barr.	inner neritic - marginal marine + continental	0.52	0.05	marginally mature	1	3	22	16	57	1	(mildly oxic, shallow marine)	"	III	minor gas
	3705	calc.[5] sh + grey sh	"	Berr. - Valang. - E. Haut.	"	-	-	-	1	6	22	33	36	2	(mildly anoxic, shallow marine + deltaic?)	"	IIB	cond./gas
	3825	grey ss + lst with coaly part.[5]	"	"	"	-	-	-	1	4	30	18	46	1	"	"	IIB-III	gas/cond.
	3995	calc. ss + black sh	"	"	"	-	-	-	0	2	17	44	37	0	(mildly oxic, shallow marine)	"	"	"
	4035	calc. ss + calc. grey sh	"	"	"	-	-	-	0	0	20	29	50	1	"	"	III	minor gas
	4411	dark grey shale	Mic Mac	L. Oxfordian - Kimm.	inner neritic to outer neritic	0.75	0.06	mature and oil zone	3	4	30	16	44	3	(mildly anoxic, shallow marine)	mixed	IIB	cond./oil-gas
	4420	"	"	"	"	-	-	-	4	5	26	29	35	1	"	"	"	"
	4830	grey sh + lst	"	"	"	-	-	-	4	34	25	4	23	10	(anoxic - partial)	"	IIA-IIB	oil/cond.
	5175	green marl with light grey sh	"	"	"	1.22	0.16	mature and oil zone	-	2	12	11	35	40	(oxic, open marine)	terrestrial	III-IV	non source
	5437	calc. dark grey sh	"	Oxfordian	"	1.35	0.12	mature & oil/wet gas zone	1	8	55	3	31	2	(mildly anoxic, shallow-deep marine)	mixed	IIB	cond./oil-gas
	5446	"	"	"	"	-	-	-	1	2	32	18	45	2	(mildly anoxic, shallow marine)	terrestrial	IIB-III	gas/cond.
	5455	grey sh	"	"	"	-	-	-	1	3	55	5	33	3	"	mixed	IIB	cond./oil-gas
	5580	mixture: green lst + grey sh	"	"	"	-	-	-	0	9	60	2	29	-	"	terrestrial	"	gas/cond.
	5655	grey sh with minor green lst	"	"	"	1.81	0.15	mature and wet gas zone	0	14	59	3	23	1	"	mixed	"	cond./gas
	5780	"	"	-	-	1.64	0.14	-	-	-	-	-	-	-	-	-	-	-
	5925	calc. grey sh with lst	"	Callovian - Oxfordian	inner neritic - marginal marine	-	-	-	5	7	21	23	41	3	(mildly oxic, partly open marine)	mixed	III	gas
	6000	mixture: grey sh + green lst	"	"	"	-	-	-	1	6	22	16	50	5	"	"	"	"
South Venture O-59	4010	dark grey sh with minor ss	Missisauga	Barr. - Valang.	inner neritic	0.74	0.08	mature and oil zone	2	3	14	19	60	2	(mildly anoxic, shallow silled marine)	terrestrial	"	"
	4130	dark grey sh with minor lst	"	"	"	0.76	0.07	mature and oil zone	1	1	4	53	40	1	(mildly anoxic, shallow marine)	"	"	"
	4940	black sh	"	Late Kimm. - Tithonian	inner neritic - marginal marine	1.05	0.12	mature and oil zone	3	26	54	3	12	2	(anoxic - partial, shallow silled marine)	mixed	IIA-IIB	oil/cond.
	4980	black sh with minor ss	"	"	"	1.12	0.10	mature and oil zone	1	21	67	2	8	1	"	"	"	"
	5175	dark grey sh with ss	"	"	"	1.22	0.10	mature and oil zone	2	3	35	18	39	3	(mildly anoxic, shallow marine)	terrestrial	IIB	cond./gas/oil
	5255	"	"	"	"	1.25	0.08	mature and oil zone	2	5	54	8	30	1	"	"	"	"
	5420	"	"	Oxfordian - Kimm.	inner neritic - outer neritic - marginal marine	1.45	0.09	mature-cond./wet gas zone	2	24	37	3	33	1	(anoxic - partial, prodelta)	mixed	IIA-IIB	gas/cond.
	5590	grey sh with ss	"	"	"	1.78	0.12	mature-wet gas zone	3	26	11	34	25	1	(mildly oxic, prodelta)	"	IIB	"
	5700	dark grey sh with calc. sts	"	"	"	1.85	0.13	mature-wet gas zone	2	8	22	19	46	3	(mildly oxic, shallow marine)	"	IIB-III	"
	5965	calc. dark grey sh	Mic Mac	"	"	2.13	0.11	overmature-gas zone	-	6	54	7	31	2	(mildly anoxic, prodelta)	"	IIB	cond./gas/oil
	6080	"	"	"	"	2.20	0.11	overmature-gas zone	-	8	56	9	26	1	"	"	"	"
	6115	dark grey sh	"	"	"	2.25	0.12	overmature-gas zone	1	46	31	5	16	1	(anoxic - partial, prodelta)	"	IIA-IIB	oil/cond.
	6170	dark grey calc. sh	"	"	"	2.42	0.18	overmature-gas zone	4	15	48	11	19	3	(mildly anoxic, prodelta)	"	IIB	cond./gas/oil
Venture B-43	4340	-	Missisauga	-	-	0.75	0.04	-	-	-	-	-	-	-	-	-	-	-
	4560	green marl + grey sh	"	Valang. - Berr.	inner neritic - marginal marine - continental	-	-	-	2	5	60	17	15	-	(mildly oxic, shallow marine, deltaic?)	mixed	IIB	cond./gas
	4610	-	"	-	-	0.82	0.03	mature-oil zone	-	-	-	-	-	-	-	-	-	-
	4760	calc. grey sh + green-grey sh	"	Tithonian	inner neritic	-	-	-	3	2	58	15	20	2	(mildly oxic, shallow marine, deltaic?)	mixed	IIB	cond./gas
	4959	black sh	"	"	"	0.92	0.06	mature-oil zone	8	17	45	9	20	1	(anoxic - partial, sheltered shallow marine)	"	IIA-IIB	oil/cond.
	4962	dark grey sh	"	"	"	-	-	-	4	10	67	6	11	2	(mildly anoxic, shallow marine)	"	IIB	cond./gas/oil
	5000	-	"	-	-	1.04	0.03	-	-	-	-	-	-	-	-	-	-	-
	5210	grey sh + green calc. sh	Mic Mac	Kimmeridgian	inner neritic	-	-	-	5	6	39	9	35	-	(mildly anoxic, shallow marine)	mixed	IIB	cond./gas/oil
	5225	-	"	"	"	1.14	0.03	mature-oil/wet gas zone	-	-	-	-	-	-	-	-	-	-
	5320	grey sh + green calc. sh	"	"	"	1.26	0.04	mature-oil/wet gas zone	1	2	53	7	35	2	(mildly anoxic, shallow marine)	mixed	IIB	cond./gas/oil
	5570	grey sh + calc. ss	"	Oxfordian - Kimm.	inner neritic - marginal marine	1.91	0.03	marginally overmature-wet/dry gas zone	-	3	25	19	49	4	(mildly oxic, shallow marine, deltaic)	terrestrial	III	gas
	5620	grey sh + marl	"	Callovian	outer neritic	-	-	-	2	8	38	10	38	4	(mildly oxic, deep marine)	mixed	IIB-III	gas/cond.
	5770	calc. grey sh	"	"	"	-	-	-	1	10	40	23	24	2	(mildly anoxic, shallow/deep marine)	"	IIB	cond./gas/oil
	5880	"	"	"	"	-	-	-	1	4	17	28	49	1	(mildly oxic, deep marine)	terrestrial	III	gas
	5820	-	"	"	-	2.08	0.07	overmature-dry gas zone	-	-	-	-	-	-	-	-	-	-
	5860	calc. grey sh	"	"	outer neritic	-	-	-	2	1	20	28	47	2	(mildly oxic, deep marine)	terrestrial	III	gas
	5871	"	"	"	"	2.12	0.03	overmature-dry gas zone	1	1	15	34	48	1	(mildly oxic, shallow/deep marine)	"	"	"
Cohasset A-52	1913[6] 2138[7]	grey sh	Logan Canyon (Cree)	Albian	shallow marine	0.45	0.04	immature	9.5	4.7	7.9	45.1	29.0	3.8	partially oxidized	terrestrial	IIB-III	cond./gas
	1917[6] 2142[7]	"	"	"	"	0.49	0.05	immature	5.3	4.5	4.1	34.0	45.6	6.5	"	"	III	gas
	2036[6] 2275[7]	"	"	Aptian	"	0.50	0.04	marginally marine	3.0	8.8	14.1	38.3	32.6	3.3	(anoxic - partial)	mixed	IIB	cond./gas, oil
Evangeline H-98	2335	"	Dawson Canyon	-	open shelf, outer neritic	0.44	0.04	immature	1.6	12.4	10.6	35.4	32.1	7.9	partially oxidized	"	III	gas
	2705	grey and green sh	"	-	"	0.45	0.08	immature	2.5	13.6	9.6	34.9	28.7	10.7	"	"	"	"
	3005	"	"	-	"	0.66	0.08	mature	2.9	5.9	11.5	31.8	45.4	2.5	"	terrestrial	"	"
	3125	grey-green sh	"	-	open shelf, outer neritic, neritic	0.57	0.06	marginally marine	4.0	13.8	13.0	37.2	28.7	3.3	"	mixed	"	"
	3590	grey sh	Shortland shale	-	deep water open shelf, outer neritic, neritic	0.76	0.03	mature, oil zone	1.6	5.1	11.1	15.6	60.2	6.4	"	terrestrial	"	"
	3830	"	"	-	"	0.87	0.06	mature, oil zone	0.2	4.5	9.4	27.1	49.0	9.8	oxidized	"	III-IV	non-source
	4420	"	"	-	"	0.94	0.07	mature, oil zone	5.7	14.2	25.4	15.5	36.0	3.2	"	mixed	III	gas
	4540	"	"	-	"	0.93	0.12	mature, oil zone	2.9	7.6	16.5	37.6	28.8	6.6	partially oxidized	terrestrial mixed	"	"
	4640	"	"	-	"	1.03	0.13	mature, oil zone	2.4	10.8	22.2	29.8	31.1	3.7	"	mixed	"	"
	4760	"	"	-	"	0.88 (?)	0.05	mature, oil zone	1.3	17.2	3.3	15.8	30.6	31.8	oxidized	marine-mixed	"	"
	4820	"	"	-	"	1.24	0.05	mature, oil zone	2.9	7.8	18.7	19.5	27.5	23.6	partially oxidized	"	IIB	cond., gas, oil
	4910	"	"	-	"	1.41	0.07	mature, wet gas zone	3.7	21.4	26.7	20.8	22.7	4.7	(anoxic - partial)	mixed	IIA-IIB	oil, cond., gas
	5020	"	"	-	"	1.52	0.03	mature-overmature oil, wet gas zone	3.6	26.8	24.4	10.6	28.8	5.8	"	"	"	"
Sable Island E-48	7930[8]	dark grey sh	Logan Canyon (Naskapi)	-	open + restricted shallow marine	0.51	0.07	marginally mature	5.7	3.7	10.9	49.9	25.5	4.3	partially oxidized	terrestrial	III	gas
	8170[8]	grey sh + sts	"	-	"	0.56	0.05	marginally mature	2.1	8.7	15.8	40.6	28.2	4.6	"	mixed	"	"
Sable Island O-47	12,630[8]	grey sh	Missisauga	-	prodelta	0.85	0.06	mature, oil zone	1.2	10.0	30.9	31.3	23.6	3.0	"	"	IIB	cond., gas, oil
Mohican I-100	10,850[8]	-	Abenaki (Baccaro)	-	shallow marine	-	-	-	-	6.0	12.5	30.2	46.8	4.5	"	terrestrial	III	gas
	11,030[8]	-	Abenaki (Misaine)	-	deep marine	-	-	-	0.5	11.4	15.9	35.2	30.8	6.2	"	mixed	"	"
	11,080[8]	-	"	-	"	-	-	-	1.5	8.7	12.8	36.4	32.4	8.2	"	"	"	"
Oneida O-25	12,230[8]	-	"	-	shallow marine	-	-	-	0.5	4.5	19.7	54.8	17.0	3.5	"	terrestrial	"	"
Cohasset D-42	7600[8] 7610[8]	grey sh + ss	Missisauga	Barremian	shallow marine, beach	0.55	0.05	marginally mature	2.6	8.5	26.8	34.8	24.7	2.6	(anoxic - partial)	"	IIB-III	gas-cond.
	9300[8]	"	"	Berriasian - Valang.	shallow marine, channel	0.51	0.08	marginally mature	1.6	6.7	38.6	27.7	23.2	2.2	"	"	"	"
	9910[8]	grey sh + white ss	"	Port. - Berriasian	shallow marine	0.61	0.06	marginally marine	2.2	3.4	32.8	32.2	27.2	2.2	"	"	"	"
	10,380[8]	grey sh + white clay	"	Kimmeridgian	"	0.67	0.05	mature	3.8	24.6	23.6	32.0	12.2	3.8	(oxic - partial)	mixed	IIB	gas-cond.-oil
	13,200[8]	brown sh + lst (oolitic)	Abenaki (Baccaro)	Callovian	"	0.76	0.08	mature, oil zone	1.5	11.6	7.7	32.9	37.3	9.0	partially oxidized	"	III-IV	non source
	13,800[8]	lst + brown sh	"	"	shallow open marine	-	-	-	1.6	2.6	13.1	14.2	43.7	24.8	oxidized	"	IV	"
	13,890[8]	light grey sh + white lst	"	Bathonian	"	1.02	0.05	mature, oil zone	0.2	36.7	20.5	13.1	20.5	9.0	totally oxidized	"	"	"
	14,230[8]	grey sh + minor lst	Abenaki (Misaine)	"	deep marine shelf	1.33	0.07	mature, oil zone	2.7	10.5	12.8	34.3	35.6	4.1	partially oxidized	"	III	gas
	14,390[8]	grey sh + white lst	"	"	"	1.20	0.06	mature, oil zone	1.5	9.0	11.8	39.0	32.8	5.9	"	"	"	"
	14,470[8]	grey sh	"	"	"	1.31	0.06	mature, oil zone	2.9	31.6	18.6	13.8	27.9	5.2	(anoxic - partial)	"	IIA-IIB	oil, cond., gas
	14,520[8]	"	"	"	"	1.36	0.09	mature, oil-gas zone	2.5	27.0	23.0	18.4	23.5	5.6	"	"	IIB	cond., gas, oil

1 From micropaleontological data
2 Organic facies distribution calculated in bitumen-free basis
1 A - Alginite (Telalginite)
B - Amorphous Liptinite I
2 A - Particulate Liptinite A (Lamalginite)
B - Amorphous Liptinite IIA
3 A - Liptodetrinite
B - Amorphous Liptinite IIB
4 A - Exinite
B - Resinite + Flourinite
5 A - Vitrinite
B - Amorphous Liptinite III
6 A - Inertinite (Autochthonous)
B - Inertinite (Allochthonous)
3 Determined from organic petrography
4 In immature or mature stages
5 Abbreviations: calc. = calcareous, cond. = condensate, dol. = dolomitic, lst = limestone, part. = particulate, sh = shale, ss = sandstone, sts = siltstone
6 True depth
7 Drillers depth
8 Depth in feet

of the World, (ed.) M. T. Halibouty; American Association of Petroleum Geologists, Memoir 40, p. 143-176.

Mukhopadhyay, P. K. and Birk, D.
1989: Organic facies in the Sable Subbasin, Scotian Shelf; Geological Survey of Canada, Open File 2027, 47 p.

Mukhopadhyay, P. K. and Wade, J. A.
1990: Organic facies and maturation of sediments from three Scotian Shelf wells; Bulletin of Canadian Petroleum Geology, v. 38, no. 4, p. 407-425.

Nantais, P. T.
1983: A reappraisal of the regional hydrocarbon potential of the Scotian Shelf; Geological Survey of Canada, Open File 1175, 83 p.

Wade, J. A., Campbell, G. R., Procter, R. M., and Taylor, G. C.
1989: Petroleum resources of the Scotian Shelf; Geological Survey of Canada, Paper 88-19, 26 p.

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TABLEAU 4. Variation des faciès organiques (en % (volume) de l'association d'affinité macérale) et leurs critères pétrographiques associés, la maturité, le type de kérogène et le potentiel inférer en pétrole et gaz en relation avec la lithologie, l'âge, la stratigraphie et le milieu de sédimentation des sédiments analysés provenant des puits de la plate-forme Néo-Écossaise (modifée de Mukhopadhyay et Birk, 1989)

Nom du puits	Profondeur (m)	Lithologie	Formation	Âge	Milieu[1]	Réflectance de la vitrinite (Ro en %) %Ro	Écart-type	Maturité	Distribution des faciès organiques[2] 1	2	3	4	5	6	Niveau d'oxydation (milieu[3])	Apport organique	Type de kérogène[4]	Potentiel du pétrole et du gaz[4]
Louisbourg J-47	1030	grès, dol.[5], calc.[5] avec sh.[5] sec.[5]	Banquereau	-	-	0.25	0.03	immature	1	3	14	9	72	1	(légèrement oxique, marine peu profond)	terrestre	III	gaz (sec.)
	1575	sh. gris avec grès + calc.	Dawson Canyon	Turonien supérieur	néritique externe	0.29	0.03	immature	2	16	23	13	44	2	"	mélangé	IIB-III	gaz
	1905	"	Logan Canyon	Cénomanien inférieur - moyen	néritique interne	0.36	0.06	immature	2	7	18	14	58	1	"	terrestrial	III	gaz (sec.)
	2145	sh. gris + arg.[5] avec grès	"	Albien	"	0.35	0.04	immature	1	2	16	37	43	1	(légèrement anoxique, marine peu profond)	"	IIB-III	gaz/cond.[5]
	2695	sh. gris + arg. avec calc. + grès	"	Albien inférieur	néritique interne - margino-marin	0.45	0.05	immature	1	3	36	21	37	2	"	"	IIB	cond./gaz
	3105	grès gris avec sh. gris	Missisauga	Hauterivien supérieur - Barrémien	néritique interne - margino-marin + continental	0.52	0.05	marginalement mature	1	3	22	16	57	1	(légèrement oxique, marine peu profond)	"	III	gaz (sec.)
	3705	sh. calc. + sh. gris	"	Berriasien-Valanginien - Hauterivien inférieur	"	-	-	-	1	6	22	33	36	2	(légèrement anoxique, marin peu profond et deltaïque?)	"	IIB	cond./gaz
	3825	grès gris + calc. avec part.[5] charbon	"	"	"	-	-	-	1	4	30	18	46	1	"	"	IIB-III	gaz/cond.
	3995	grès calc. + sh. noir	"	"	"	-	-	-	0	2	17	44	37	0	(légèrement oxique, marine peu profond)	"	"	"
	4035	grès calc. + sh. calc. gris	"	"	"	-	-	-	0	0	20	29	50	1	"	"	III	gaz (sec.)
	4411	sh. gris foncé	Mic Mac	Oxfordien supérieur - Kimméridgien	de néritique interne à néritique externe	0.75	0.06	mature et zone du pétrole	3	4	30	16	44	3	(légèrement anoxique, marine peu profond)	mélangé	IIB	cond./pétrole-gaz
	4420	"	"	"	"	-	-	-	4	5	26	29	35	1	"	"	"	"
	4830	sh. gris + calc.	"	"	"	-	-	-	4	34	25	4	23	10	(anoxique - partiel)	"	IIA-IIB	pétrole/cond.
	5175	marne verte avec sh. gris pâle	"	"	"	1.22	0.16	mature et zone du pétrole	-	2	12	11	35	40	(oxique, marin ouvert)	terrestrial	III-IV	potentiel nul
	5437	sh. calc. gris foncé	"	Oxfordien	"	1.35	0.12	mature et zone du pétrole/gaz humide	1	8	55	3	31	2	(légèrement anoxique, marin peu profond-profond)	mélangé	IIB	cond./pétrole-gaz
	5446	"	"	"	"	-	-	-	1	2	32	18	45	2	(légèrement anoxique, marin peu profond)	terrestrial	IIB-III	gaz/cond.
	5455	sh. gris	"	"	"	-	-	-	1	3	55	5	33	3	"	mélangé	IIB	cond./pétrole-gaz
	5580	mélange: calc. vert + sh. gris	"	"	"	-	-	-	0	9	60	2	29	-	"	terrestrial	"	gaz/cond.
	5655	sh. gris avec calc. vert sec.	"	"	"	1.81	0.15	mature et zone du gaz humide	0	14	59	3	23	1	"	mélangé	"	cond./gaz
	5780	-	-	-	-	1.64	0.14	-	-	-	-	-	-	-	-	-	-	-
	5925	sh. calc. gris avec calc.	"	Callovien - Oxfordien	néritique interne - margino-marin	-	-	-	5	7	21	23	41	3	(légèrement oxique, marin partiellement ouvert)	mélangé	III	gaz
	6000	mélange: sh. gris + calc. vert	"	"	"	-	-	-	1	6	22	16	50	5	"	"	"	"
South Venture O-59	4010	sh. gris foncé avec grès sec.	Missisauga	Barrémien - Valanginien	néritique interne	0.74	0.08	mature et zone du pétrole	2	3	14	19	60	2	(légèrement anoxique, marin peu profond, seuil)	terrestre	"	"
	4130	sh. gris foncé avec calc. sec.	"	"	"	0.76	0.07	mature et zone du pétrole	1	1	4	53	40	1	(légèrement anoxique, marin peu profond)	"	"	"
	4940	sh. noir	"	Kimméridgien supérieur - Tithonique	néritique interne - margino-marin	1.05	0.12	mature et zone du pétrole	3	26	54	3	12	2	(anoxique - partiel, marin peu profond, seuil)	mélangé	IIA-IIB	pétrole/cond.
	4980	sh. noir avec grès sec.	"	"	"	1.12	0.10	mature et zone du pétrole	1	21	67	2	8	1	"	"	"	"
	5175	sh. gris foncé avec grès	"	"	"	1.22	0.10	mature et zone du pétrole	2	3	35	18	39	3	(légèrement anoxique, marin peu profond)	terrestre	IIB	cond./gaz/pétrole
	5255	"	"	"	"	1.25	0.08	mature et zone du pétrole	2	5	54	8	30	1	"	"	"	"
	5420	"	"	Oxfordien - Kimméridgien	néritique interne - néritique externe - margino-marin	1.45	0.09	mature - cond./zone du gaz humide	2	24	37	3	33	1	(anoxique - partiel, prodelta)	mélangé	IIA-IIB	gaz/cond.
	5590	sh. gris avec grès	"	"	"	1.78	0.12	mature et zone du gaz humide	3	26	11	34	25	1	(légèrement oxique, prodelta)	"	IIB	"
	5700	sh. gris foncé avec sts[5] calc.	"	"	"	1.85	0.13	mature et zone du gaz humide	2	8	22	19	46	3	(légèrement oxique, marin peu profond)	"	IIB-III	"
	5965	sh. calc. gris foncé	Mic Mac	"	"	2.13	0.11	maturité avancée - zone du gaz	-	6	54	7	31	2	(légèrement anoxique, prodelta)	"	IIB	cond./gaz/pétrole
	6080	"	"	"	"	2.20	0.11	maturité avancée - zone du gaz	-	8	56	9	26	1	"	"	"	"
	6115	sh. gris foncé	"	"	"	2.25	0.12	maturité avancée - zone du gaz	1	46	31	5	16	1	(anoxique - partiel, prodelta)	"	IIA-IIB	pétrole/cond.
	6170	sh. calc. gris foncé	"	"	"	2.42	0.18	maturité avancée - zone du gaz	4	15	48	11	19	3	(légèrement anoxique, prodelta)	"	IIB	cond./gaz/pétrole
Venture B-43	4340	-	Missisauga	-	-	0.75	0.04	-	-	-	-	-	-	-	-	-	-	-
	4560	marne verte + sh. gris	"	Valanginien - Berriasien	nérotique interne - margino-marin - continental	-	-	-	2	5	60	17	15	-	(légèrement oxique, marin peu profond, ?deltaïque)	mélangé	IIB	cond./gaz
	4610	-	"	-	-	0.82	0.03	mature - zone du pétrole	-	-	-	-	-	-	-	-	-	-
	4760	sh. calc. gris + sh. vert-gris	"	Tithonique	néritique interne	-	-	-	3	2	58	15	20	2	(légèrement oxique, marin peu profond, ?deltaïque)	mélangé	IIB	cond./gaz
	4959	sh. noir	"	"	"	0.92	0.06	mature - zone du pétrole	8	17	45	9	20	1	(anoxique - partiel, marin peu profond, arbrité)	"	IIA-IIB	pétrole/cond.
	4962	sh. gris foncé	"	"	"	-	-	-	4	10	67	6	11	2	(légèrement oxique, marin peu profond)	"	IIB	cond./gaz/pétrole
	5000	-	"	-	-	1.04	0.03	-	-	-	-	-	-	-	-	-	-	-
	5210	sh. gris + sh. calc. vert	Mic Mac	Kimméridgien	néritique interne	-	-	-	5	6	39	9	35	-	(légèrement anoxique, marin peu profond)	mélangé	IIB	cond./gaz/pétrole
	5225	-	"	"	"	1.14	0.03	mature - zone du pétrole/gaz humide	-	-	-	-	-	-	-	-	-	-
	5320	sh. gris + sh. calc. vert	"	"	"	1.26	0.04	mature - zone du pétrole/gaz humide	1	2	53	7	35	2	(légèrement anoxique, marin peu profond)	mélangé	IIB	cond./gaz/pétrole
	5570	sh. gris + grès calc.	"	Oxfordien - Kimméridgien	néritique interne - margino-marin	1.91	0.03	marginalement maturité avancée - zone du gaz humide/sec	-	3	25	19	49	4	(légèrement oxique, marin peu profond, deltaïque)	terrestre	III	gaz
	5620	sh. gris + marne	"	Callovien	néritique externe	-	-	-	2	8	38	10	38	4	(légèrement oxique, marin profond)	mélangé	IIB-III	gaz/cond.
	5770	sh. calc. gris	"	"	"	-	-	-	1	10	40	23	24	2	(légèrement anoxique, marin peu profond/profond)	"	IIB	cond./gaz/pétrole
	5880	"	"	"	"	-	-	-	1	4	17	28	49	1	(légèrement oxique, marin profond)	terrestre	III	gaz
	5820	-	"	"	-	2.08	0.07	maturité avancée - zone du gaz sec	-	-	-	-	-	-	-	-	-	-
	5860	sh. calc. gris	"	"	néritique externe	-	-	-	2	1	20	28	47	2	(légèrement oxique, marin profond)	mélangé	III	gaz
	5871	"	"	"	"	2.12	0.03	maturité avancée - zone du gaz sec	1	1	15	34	48	1	(légèrement oxique, marin peu profond/profond)	"	"	"
Cohasset A-52	1913[6] 2138[7]	sh. gris	Logan Canyon (Cree)	Albien	marin peu profond	0.45	0.04	immature	9.5	4.7	7.9	45.1	29.0	3.8	oxydé partiellement	errestre	IIB-III	cond./gaz
	1917[6] 2142[7]	"	"	"	"	0.49	0.05	immature	5.3	4.5	4.1	34.0	45.6	6.5	"	"	III	gaz
	2036[6] 2275[7]	"	"	Aptien	"	0.50	0.04	marginalement marine	3.0	8.8	14.1	38.3	32.6	3.3	(anoxique - partiel)	mélangé	IIB	cond./gaz, pétrole
Evangeline H-98	2335	"	Dawson Canyon	-	plate-forme ouverte, néritique externe	0.44	0.04	immature	1.6	12.4	10.6	35.4	32.1	7.9	oxydé partiellement	"	III	gaz
	2705	sh. gris et vert	"	-	"	0.45	0.08	immature	2.5	13.6	9.6	34.9	28.7	10.7	"	"	"	"
	3005	"	"	-	"	0.66	0.08	mature	2.9	5.9	11.5	31.8	45.4	2.5	"	terrestre	"	"
	3125	sh. gris - vert	"	-	plate-forme ouverte, néritique externe, néritique	0.57	0.06	marginalement marine	4.0	13.8	13.0	37.2	28.7	3.3	"	mélangé	"	"
	3590	sh. gris	Shortland shale	-	plate-forme ouverte - marin profond, néritique externe, néritique	0.76	0.03	mature, zone du pétrole	1.6	5.1	11.1	15.6	60.2	6.4	"	terrestre	"	"
	3830	"	"	-	"	0.87	0.06	mature, zone du pétrole	0.2	4.5	9.4	27.1	49.0	9.8	oxydé	"	III-IV	potentiel nul
	4420	"	"	-	"	0.94	0.07	mature, zone du pétrole	5.7	14.2	25.4	15.5	36.0	3.2	"	mélangé	III	gaz
	4540	"	"	-	"	0.93	0.12	mature, zone du pétrole	2.9	7.6	16.5	37.6	28.8	6.6	oxydé partiellement	errestre mélangé	"	"
	4640	"	"	-	"	1.03	0.13	mature, zone du pétrole	2.4	10.8	22.2	29.8	31.1	3.7	"	mélangé	"	"
	4760	"	"	-	"	0.88 (?)	0.05	mature, zone du pétrole	1.3	17.2	3.3	15.8	30.6	31.8	oxydé	marin mélangé	"	"
	4820	"	"	-	"	1.24	0.05	mature, zone du pétrole	2.9	7.8	18.7	19.5	27.5	23.6	oxydé partiellement	"	IIB	cond., gaz, pétrole
	4910	"	"	-	"	1.41	0.07	mature, zone du gaz humide	3.7	21.4	26.7	20.8	22.7	4.7	(anoxique - partiel)		IIA-IIB	pétrole, cond., gaz
	5020	"	"	-	"	1.52	0.03	mature-maturité avancée, zone du gaz humide	3.6	26.8	24.4	10.6	28.8	5.8	"	"	"	"
Sable Island E-48	7930[8]	sh. gris foncé	Logan Canyon (Naskapi)	-	marin