

bathymétrie, à la profondeur du socle et à la profondeur de la discontinuité de Mohorovicic. L'étendue de la couche d'eau et des strates sédimentaires était connue. L'anomalie à l'air libre calculée a été ajustée pour correspondre à l'anomalie observée en modifiant la profondeur jusqu'à la discontinuité de Mohorovicic. L'algorithme du modèle tridimensionnel prend en considération des éléments correspondant à de minces strates horizontales dont les dimensions sont de 56 x 56 cos x x 1 km³, z étant la latitude. De là, il est possible de mesurer l'épaisseur de la croûte. La carte préparée à l'aide de cette méthode a été comparée aux profils de réfraction et concorde entre deux et quatre kilomètres près avec les valeurs mesurées.

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Table 1. In-situ orientations interpreted from mean breakout azimuths of wells, Scotian Shelf and adjacent areas.

Tableau 1. Orientation des contraintes *in situ* établie d'après une interprétation des azimuts moyens de rupture dans les puits de la plate-forme Néo-Écossaise et des régions adjacentes.

Well Pits	Location Emplacement		K.B. (m below sea level)	No. of Breakouts	Total Breakout Thickness Logged (m)	Shallowest Breakout (m below sea level)	Deepest Breakout (m below sea level)	Major Population (standard deviation)	Minor Population (standard deviation)	on Precipitated Hydraulic Fracture Azimuth	Data Quality	Data Source ²
	Latitude	Longitude										
Bonnet P-23	42.390°	65.051°	25.3	6	64.0	410	938	135.9 (25.9)		45.9	C	3
Shelburne G-29	42.641°	63.559°	24.5	20	193.5	1872	3672	133.3 (10.6)	180.0 (11.5)	43.3	A	3
Albatross B-13	42.703°	63.037°	24.4	3	49.0	2884	3556	157.7 (18.7)		67.7	C	3
Shubencadie H-100	42.708°	61.479°	24.4	28	275.0	2114	3444	39.8 (18.9)	113.5 (10.3)	129.8	C	3
Acadia K-62	42.862°	61.917°	12.8	9	203.6	1983	4247	135.6 (9.9)		45.6	A	1
Montagnais J-94	42.894°	64.229°	29.9	6	465.7	885	1611	131.0 (15.5)		41.0	B	1
Mohican I-100	42.994°	62.481°	29.9	7	117.0	2555	3879	164.0 (13.6)		74.0	B	1
Evangelina H-98	43.291°	60.585°	23.5	32	1436.0	961	3053	124.6 (22.2)	35.2 (6.5)	34.6	C	3
Merigomish C-52	43.517°	60.843°	27.7	19	477.0	1963	3941	138.3 (12.1)		48.3	B	3
Alma F-67	43.605°	60.666°	24.4	18	770.0	1188	4624	134.5 (18.5)	185.1 (8.9)	44.5	C	3
									68.8 (25.5)			
Glenela H-38	43.622°	60.890°	24.3	3	26.0	4482	4757	132.9 (8.5)		42.9	C	3
Glenela E-59A	43.622°	60.148°	27.3	7	767.0	2191	4117	125.5 (13.7)	62.9	42.9	C	3
Glenela J-48	43.627°	60.107°	24.4	39	801.0	1181	4442	134.6 (20.0)		44.6	C	3
Sambro I-29	43.643°	62.805°	29.9	7	309.1	2541	2969	139.1 (8.3)		39.1	A	1
Chebucto K-90	43.662°	59.714°	22.8	29	1024.0	1397	5134	141.0 (16.6)		51.0	B	3
Dumascoia G-32	43.691°	60.832°	29.9	12	344.4	2821	4024	114.0 (9.5)		23.4	A	1
Marmora O-34	43.720°	60.287°	25.9	7	289.9	1947	3948	128.8 (14.2)		39.8	B	1
Onondaga F-75	43.739°	60.193°	31.4	7	46.3	2096	3953	167.6 (2.9)		77.6	C	1
Onondaga B-96	43.752°	60.234°	29.9	11	228.6	2127	3393	116.9 (10.6)		26.9	A	1
Intrepid L-80	43.827°	59.946°	31.4	2	3.7	1662	3991	130.3 (5.2)		40.3	D	1
Eagle D-21	43.835°	59.599°	29.9	10	239.6	1773	4204	137.7 (13.4)		47.7	B	1
Tantalus M-41	43.849°	58.373°	24.3	5	37.0	2554	3028	127.6 (11.8)		34.8	B	1
Cohasset D-42	43.852°	60.621°	31.7	16	206.5	1068	4248	124.8 (14.8)	81.3 (0.6)	37.6	C	3
Cohasset P-42	43.864°	60.605°	30.5	3	3.7	2207	2414	123.7 (10.6)		33.7	D	1
Thebaud I-94	43.895°	60.227°	29.9	10	30.2	2698	3488	132.0 (10.7)		42.0	C	1
Thebaud P-84	43.900°	60.205°	28.7	20	72.5	1510	3714	123.9 (7.3)		33.8	B	1
Cohasset L-97	43.924°	60.500°	32.9	5	122.5	2197	4033	106.0 (11.2)		18.0	A	1
Sable Island 3H-58	43.958°	60.127°	10.7	3	5.5	3242	3965	152.7 (7.9)		62.7	D	1
Sable Island 4H-58	43.958°	60.127°	10.7	16	165.2	3588	4204	153.3 (9.7)		63.3	A	1
Sable Island O-47	43.985°	60.111°	7.0	12	310.9	1197	3816	146.6 (5.5)	101.5 (7.5)	56.6	A	1
Primrose N-50	43.997°	59.114°	29.9	7	132.9	351	1299	140.8 (156.4)		50.8	B	1
Migrant N-20	43.999°	60.288°	25.9	3	8.2	2378	2917	130.9 (10.0)		40.9	D	1
Venture B-43	44.034°	59.610°	30.5	4	112.0	3885	4398	116.4 (15.0)		26.4	B	1
Venture B-13	44.037°	59.534°	33.8	4	71.0	4101	4333	116.0 (8.3)		26.0	B	1
Venture D-23	44.037°	59.574°	31.7	18	166.0	2802	4280	119.4 (10.2)		29.4	A	1
Bluenose G-47	44.106°	59.358°	29.9	9	63.0	1698	3846	138.1 (7.2)		48.1	B	1
Kingshook G-67	44.108°	60.409°	37.4	7	136.0	2495	3145	155.6 (20.2)		65.6	C	3
Canata I-59	44.145°	59.826°	29.9	20	123.7	1246	4533	117.9 (10.0)		27.9	A	1
Penobscot L-30	44.182°	60.069°	29.9	10	121.3	2419	3918	120.0 (8.7)	160.2 (0.8)	30.0	A	1
Penobscot B-41	44.187°	60.010°	29.9	10	26.5	2135	2616	148.1 (7.1)		58.1	C	1
Citadel H-52	44.190°	58.878°	38.7	9	299.0	4878	5460	128.7 (12.0)		38.7	B	3
South Griffin J-13	44.377°	58.032°	38.1	45	456.0	1500	5728	131.8 (8.5)		41.8	A	3
Louisbourg J-47	44.445°	58.357°	38.1	12	189.0	3094	4000	149.7 (18.0)		59.7	B	3
									195.6 (12.1)			
Sachem D-76	44.586°	58.357°	29.9	64	420.0	730	4843	143.3 (10.1)		53.3	A	1
Chippewa G-67	44.606°	58.662°	29.9	4	75.6	870	2785	150.8 (6.8)		60.8	B	1
Mac Mac D-99	44.636°	59.472°	29.9	11	49.4	1838	3115	119.7 (16.3)		29.7	C	1
Tuscarora D-61	44.670°	58.202°	29.9	58	192.2	347	3846	128.2 (10.2)		38.2	A	1
Hesper I-52	44.695°	57.876°	29.9	4	64.6	2018	3694	136.5 (7.5)		46.5	B	1
Dauntless D-35	44.736°	57.346°	31.4	23	354.2	2668	4606	136.1 (17.1)		46.1	B	1
Esperanto K-78	44.792°	58.189°	31.4	13	36.0	1799	2971	143.4 (8.2)		53.4	C	1
Chinampas O-37	44.931°	60.590°	29.9	24	361.2	507	2269	109.5 (10.4)		19.5	A	2
Cape Spencer No. 1	45.147°	65.926°	29.0	10	10.0	1198	3052	168.7 (14.9)		66.0	D	4
Emerillon C-56	45.251°	54.388°	29.9	21	298.7	1198	3052	168.7 (14.9)		78.7	B	3
Adventure F-80	45.324°	57.840°	29.9	2	40.2	761	814	137.3 (4.0)		47.3	C	1
Hermine E-94	45.391°	54.499°	25.9	23	146.3	1650	2454	180.9 (13.7)		90.0	B	3
Eurydice P-36	45.430°	60.080°	29.9	6	108.5	2356	2612	59.3 (17.8)		149.3	B	1
Jason C-20	45.485°	59.541°	29.9	8	60.9	1319	1829	100.8 (8.5)		10.8	B	1
Hercules G-15	45.572°	58.787°	29.9	3	9.4	792	1009	115.8 (7.2)	164.5 (4.5)	25.9	D	1
North Sydney F-24	46.556°	59.813°	29.9	15	234.1	503	1586	159.3 (12.6)		69.3	B	2
East Point E-47	46.604°	61.625°	27.6	8	198.0	1496	2092	110.3 (10.9)		20.3	A	2
Beaton Point F-70	46.656°	61.612°	27.6	21	372.0	664	1658	120.1 (9.0)		30.1	A	2
Cap Rouge F-52	47.189°	61.138°	31.1	18	170.0	1000	1500	150.0 (10.0)		60.0	A	4
Briton Island No. 1	47.801°	61.442°	37.5	15	145.0	1000	1500	150.0 (10.0)		55.0	B	5
Bradelle L-49	47.978°	63.119°	29.9	2	2.0	1000	1500	150.0 (10.0)		50.0	B	4

¹ Data quality: A - excellent; B - reasonable; C - low; D - poor. Qualité des données: A - excellente; B - acceptable; C - faible; D - pauvre.

² Data sources: 1 - Podrouzek and Bell (1985); 2 - Podrouzek (this volume); 3 - Bell (this volume); 4 - Plumb and Cox (1987); 5 - Cox (1983). Sources des données: 1 - Podrouzek et Bell (1985); 2 - Podrouzek (le présent volume); 3 - Bell (le présent volume); 4 - Plumb et Cox (1987); 5 - Cox (1983).

Table 2. In-situ stress magnitude estimates from leak-off tests, pore pressures and density logs, Banquereau, east Scotian Shelf

Tableau 2. Estimation de l'intensité des contraintes *in situ* à partir d'essais de pression de fuite, des pressions interstitielles et de diagrapies de la densité, Le Banquereau, plate-forme Néo-Écossaise orientale.

Well Pits	Location Emplacement		K.B. (m below sea level)	Water Depth (m)	Depth to Base Casing (m below sea level)	Open Interval Thickness (m)	Dominant Lithology in Open Interval	Pore Pressure at Base Casing in MPa (data source) ¹	First Leak-off Test Pressure at Base Casing (MPa)
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