

PETROGRAPHY SUMMARY SHEET

WELLS HEBRON I-13 AND HIBERNIA P-15

JEANNE D'ARC BASIN,
EAST COAST CANADA

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Department of Supply
and Services

HEBRON I-13

SAMPLE			TEXTURE					VISIBLE POROSITY (%)					DETRITAL GRAINS (%)								FOSSILS/MATRIX (%)				AUTHIGENIC CLAYS (%)				AUTHIGENIC CEMENTS (%)													
DRILLERS DEPTH IN METRES	MEASURED POROSITY (%)	MEASURED HORIZONTAL PERMEABILITY (md)	GRAIN SIZE	SORTING	ROUNDNESS	OVERGROWTHS	GRAIN CONTACTS	TOTAL POROSITY	INTERGRANULAR POROSITY	SOLUTION POROSITY	MICROFRACTURED POROSITY	MICROPOROSITY	INTRAGANULAR POROSITY	QUARTZ	FELDSPAR	ROCK FRAGMENTS	MICA	INTRACLASTS	ODOLITHS	GLAUCONITE	HEAVY MINERALS	ALTERED GRAINS	SHELL FOSSILS	WOOD/PLANT	DETRITAL CLAY	LIME MUD	KAOLINITE	ILLITE	CHLORITE	INDETERMINATE CLAY	CALCITE	DOLOMITE	SIDERITE	SILICA	FELDSPAR	PYRITE	BARITE	SPHALERITE				
1829.60			S (VF)	P	SA-SR	R	M-SS							61	Tr P	2 CP	6 MCB					Tr D		4	25											1	Tr		1			
1831.95			S (VF)	P	SA		(M)T	2	2					26	2 P	1 PA	1 MC		Tr	Tr Z		Tr Z	Tr I	4	64																	
1835.90	26.8	188.00	(S)VF	P	SA	R	T	8	7	1				56	5 P	5 AP	4 M					Tr Z	1 IE	5	15			Tr			Tr	Tr	1									
1891.30	26.0	19.00	(S)VF (F)	M	SR	R	T (C)	23	20	3				53	3 PH	13 AP	1 MC	1			1 OZTS	3 IEG	Tr	1																		
1892.66	22.4	36.40	(S)VF (F)	MG	SR	R	T (C)	17	16	1				50	3 P	8 PC	Tr M					Tr Z	2 BEFO1	Tr										16	1			3				
1893.45			(S)VF	MG	SA	R	T (C)	22	19	3				49	1 PH	8 PC	Tr M						Tr I	Tr																		
1894.52	4.7		(S)VF (F)	M	SR		(M)T	Tr		Tr				42	3 P	8 PAC				Tr			Tr I																			
1896.30			(S)VF (F)	MG	SR	R	T (C)	29	24	4		1		55	3 PH	10 PAC						Tr ZS	1 I					Tr														
1897.68	30.9	94.10	(S)VF (F)	MG	SR	R	T (C)	28	23	4		1		54	3 PM	11 PAC	1 CMB	Tr				Tr Z	1 I		Tr			Tr														
1899.00	2.6	0.01	(S)VF-F	P	R		T	Tr					Tr	32	2 P	6 PAC						Tr Z	12 WGEFCB								48			Tr								
1900.25	1.9	0.02	(S)VF (G)	P	SA-R	O	M-C							25	1 P	3 CP						Tr TZO	45 PGBEW	Tr							24		2	Tr								
1901.56	29.9	670.00	(S)VF (F)	M	R	R	T	19	14	4		1		61	2 PM	11 PCA	Tr M	Tr				Tr Z	2 I		2																	
1902.30	3.7	0.03	(F)C	P	SA	O	(M)T	6	4	1			1	19	Tr P	4 PC						Tr Z	60 BPG									11										
1903.03			(S)VF (F)	M	R	R	T	25	21	4		Tr		52	2 P	12 PCAS	Tr CM	Tr				Tr Z	4 IWE	Tr				Tr							3	1						
1904.10	30.3	1094.00	(S)VF (F)	M	R	R	T-C	26	24	2				54	1 P	8 PCA	Tr M	Tr				Tr Z	5 IEB	1	1							Tr	3	Tr								
1905.63	17.1	13.30	(F)VC (G)	P	SA-R	R	(M)T	5		5				17	Tr P	2 PCA							Tr Z	55 PGWABE		1						20										
2724.00	15.6	8.63	(S)VF	M	SR	O	T (C)	9	7	2				66	2 PH	10 DPCA	Tr M					Tr Z	Tr PEF	5	4									2		2						
2725.95	20.5	149.00	VF	MG	SR	R	T (C)	15	15	Tr			Tr	61	2 PD	6 PCDA							Tr Z	1 I	2	7							2	3	1							
2726.44	6.0	0.10	VF (C)	P	SA-R	R	T-C	Tr					Tr	25	1 PH	4 PCD			Tr	35			Tr Z	2 PEF1								33			Tr	Tr						
2730.05	10.7	3.04	(VF)M	P			(M)T	3	2	1	Tr		Tr	22	1 P	7 CP							27 PEWGI	1	5								20	Tr								
2734.10	8.2	0.09	(VF)M (C)	MP	SA-R		(T)C							15	Tr	2 PC								5 EPFA																		
2740.05			M	P	SA-R	R	C-SS	2	1			1		29	1 P	5 SL	Tr C	1	12			Tr D	15 PEWG	1	5							23	4				1					
2944.10	11.8	1.08	(S)VF (F)	M	SA	C	(S)C	10						59	3 PM	5 C		M					Tr ZHOT	Tr I	3	7									5							
2949.05	6.2	0.13	F (VC)	P	R	R	(M)T	Tr					Tr	24		26 PLC				Tr	Tr		13 PEBF1										36			Tr						
2949.75	12.1	32.30	VF (F)	MG	SR	C	(T)S	17	13	4				54	2 PD	11 PCR	Tr C	1				Tr ZTero	Tr I	1	2	Tr		Tr														
2952.78	11.3	3.26	VF (F)	MG	SA	O	T (S)	8	7			1		37	1 MOP	10 PCL						Tr T	5 EIFG		Tr									29	8							
2957.89	5.1	0.12	VF (F)	M	SA		T	Tr					Tr	33	1 P	8 PCL	Tr MB						Tr T	12 PFE	2																	
4074.53			(S)M (C)	P	SA-R	R	C-SS							35	1 P	4 PC	Tr M						Tr Z	3	1									40		10	Tr					
4075.80	7.6	4.48	(F)M (VC)	M	SA-R	AS	C-SS	8	5	1		2		72	Tr P	3 PC							Tr DT	2	Tr P										Tr		2	4		7		Tr
4077.78	16.1	275.00	(F)M (C)	M	SA-R	AS	C-SS	13	8	3		2		62	Tr OP	10 PCSS	Tr M						Tr S																			
4079.04	17.9	103.00	(VF)M (C)	M	SA-R	AS	S-SS	17	12	2		3		59	1 PD	8 PCSS	1 M		3	Tr			Tr Z																			
4080.35	5.1	0.43	(F)M (C)	M	SA-R	R	M-C	3		2				43	2 PD	7 PC				Tr																						
4395.35	3.8	1.61	(F)C	P	SA-R	O	S-SU	2						37	Tr P	40 LPC							4 P		Tr																	
4397.42	4.8	2.26	(F)VC (G)	MP	SA-R	R	T-SU	4	2					37	Tr O	25 LPC				Tr	1	Tr				Tr																
4398.78	3.0	0.50	(F)C (G)	P	SA-R	C	S-SU	4	2					63	Tr O	15 LP							Tr T																			
4402.18	3.5	2.06	M	P	SA-R	C	S-SS	2	1		1			42	Tr O	25 PLC							Tr T	2	Tr	1	Tr															

HIBERNIA P-15

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DRILLERS DEPTH IN METRES	MEASURED POROSITY (%)	MEASURED HORIZONTAL PERMEABILITY (md)	GRAIN SIZE	SORTING	ROUNDNESS	OVERGROWTHS	GRAIN CONTACTS	TOTAL POROSITY	INTERGRANULAR POROSITY	SOLUTION POROSITY	MICROFRACTURED POROSITY	MICROPOROSITY	INTRAGANULAR POROSITY	QUARTZ	FELDSPAR	ROCK FRAGMENTS	MICA	INTRACLASTS	ODOLITHS	GLAUCONITE	HEAVY MINERALS	ALTERED GRAINS	SHELL FOSSILS	WOOD/PLANT	DETRITAL CLAY	LIME MUD	KAOLINITE	ILLITE	CHLORITE	INDETERMINATE CLAY	CALCITE	DOLOMITE	SIDERITE	SILICA	FELDSPAR	PYRITE	BARITE	SPHALERITE				
4124.30			(VF)M (VC)	P	SA-R	AS	T-SS	10	9	Tr		1	Tr	38	Tr	27 SLPCV			8	1			5 PAE	Tr										3		2	5			Tr		
4125.23			(VF)F (C)	MP	SA-R	AS	T-SS	10	9	Tr		1	Tr	58	Tr M	7 LSP							5 P	Tr																		
4125.83			(VF)M (VC)	MP	SA-R	C	T-SS	5	5	Tr				33	Tr PM	32 SLPC							4 PCE	Tr				Tr														
4127.53	4.2	34.40	VF	P	SA-R	R	T-SS	4	2	Tr		Tr	2	10	Tr	70							2 PE					2														
4128.05	5.5	25.30	F	P	SA-R	O	T-SS	6	5	Tr		Tr	1	9		69							3 PE																			
4129.70			(F)C	P	SA-R	C	T-SS	8	7	1			Tr	25		50							3 P					Tr														