

37DA
"ELK"

CORE LABORATORIES - CANADA, LTD.
Petroleum Reservoir Engineering
CALGARY, ALBERTA

Company SOBC WM. F. PORCUPINE Formation I-13 BLACKIE Page 1 of
Well Arden Date Report File 913-181
Field, Province D. Fluid Analysts
Location Analysis CORE #1 Remarks SAMPLES 10-24 DRIED ONLY

DEPTH - 3658 - 3718

CORE ANALYSIS RESULTS
(Figures in parentheses refer to footnote remarks)

Sample Number	Depth Feet	Ft. Rep.	Permeability Millidarcys			Perm. Ft.	Porosity Percent	Porosity Feet	Density		Residual Saturation		Visual Examination
			K Max	K 90°	KV				Bulk	Grain	Oil % Pore	Total water % Pore	
			CORE #										
			(REC. 51) (12 Boxes)										
1	3.9	0.9	0.03	0.03	<0.01	0.03	4.9	4.41	2.52	2.65			DENSE SILTY & SHALY FS SH/BS
	2.5	1.3											DENSE SILTY & SHALY SHALE
	1.0	1.9											DENSE SILTY SHALE
	5.5	1.6											DENSE SILTY & SHALY
2	1.6	1.3	0.04	0.04	<0.01	0.06	5.9	9.44	2.51	2.67			FS SILTY
3	1.3	1.4	0.84	0.57	0.16	1.09	7.3	9.49	2.44	2.64			FS F
4	1.4	1.4	0.65	0.61	0.03	0.91	6.2	8.68	2.46	2.62			FS SH/BS
5	1.4	1.6	1.02	0.93	0.13	1.43	7.6	10.64	2.42	2.62			FS
6	1.6	2.0	0.67	0.61	0.05	1.07	7.1	11.36	2.43	2.62			FS SH/BS
7	2.0	1.6	0.94	0.85	0.15	1.88	7.2	11.46	2.45	2.64			FS SH/BS
8	1.6	1.4	1.03	0.66	0.03	1.65	6.3	10.08	2.48	2.65			FS SH/BS
	1.4	5.8	0.33	0.33	<0.01	0.46	6.5	9.10	2.48	2.65			FS SH/BS
	1.5												DENSE SILTY & SHALY SHALE
10	1.0		14.76	14.36	0.97		8.2		2.47	2.67	5.1	15.3	

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 Petroleum Reservoir Engineering
 CALGARY, ALBERTA

Company Formation Page 2 of

Well CHELRON Date Report File 913-181

Field, Province D. Fluid Analysts SAMPLES 10-24

Location Analysis Remarks DRIED ONLY

CORE ANALYSIS RESULTS
 (Figures in parentheses refer to footnote remarks)

Sample Number	Depth Feet	Ft. Rep.	Permeability Millidarcys			Perm. Ft.	Porosity Percent	Porosity Feet	Density		Residual Saturation		Visual Examination
			K Max	K 90°	KV				Bulk	Grain	Oil % Pore	Total water % Pore	
11		1.4	8.44	6.82	3.66		10.1		2.35	2.62	6.7	18.5	
12		1.0	18.51	18.51	2.86		10.2		2.34	2.61	15.5	23.2	
13		1.2	21.90	14.62	1.70		9.3		2.39	2.63	12.5	19.7	
14		1.3	12.02	10.73	0.83		8.7		2.40	2.63	9.1	20.5	
15		1.3	4.76	4.65	0.39		7.8		2.43	2.63	8.9	22.4	
16		1.2	4.65	3.27	0.48		7.8		2.44	2.64	12.7	25.5	
		0.8											DENSE SILTY
		1.2	0.46	0.39	0.06		6.3		2.48	2.65	16.5	25.9	
		1.5	0.61	0.23	0.08		7.2		2.44	2.63	10.7	21.4	
		1.4	0.30	0.22	<0.01		7.0		2.45	2.63	12.3	17.2	
		1.3	0.17	0.17	<0.01		6.7		2.46	2.63	17.7	22.7	
		1.0	0.60	0.35	<0.01		5.9		2.48	2.63	18.1	28.4	
		1.3	1.12	1.00	<0.01		6.7		2.48	2.65	16.2	25.5	
		0.8	0.11	0.11	<0.01		5.6		2.49	2.64	13.5	27.1	
		1.0											SHALE
		0.9	0.17	0.14	<0.01		5.4		2.50	2.65	0.0	20.0	
		0.8											DENSE SILTY

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