

Appendix 2

OOIP/Tract Factors

Proposed Sinclair Unit No. 4 - Original Oil-in-Place Calculations

Area		Bakken Silt				Upper Three Forks (Unit 4)				Lower Three Forks (Unit 4)				Total - All Zones		Tract Factor by LSD		
LSD	Section	T'ship	Range	Phi-H metres	So	Bo m3/m3	OOIP m3	OOIP mbbl	Phi-H metres	So	Bo m3/m3	OOIP m3	OOIP mbbl	OOIP m3	mbbl			
1	11	007	29W1	0.10	30%	1.026	4,733	30	0.39	60%	1.026	36,447	229	29,662	187	70,842	446	0.0521
2	11	007	29W1	0.10	30%	1.026	4,733	30	0.33	60%	1.026	30,767	194	24,298	153	59,798	376	0.0440
3	11	007	29W1	0.12	30%	1.026	5,443	34	0.10	60%	1.026	9,467	60	22,404	141	37,314	235	0.0274
4	11	007	29W1	0.12	30%	1.026	5,680	36	0.11	60%	1.026	9,940	63	23,667	149	39,287	247	0.0289
5	11	007	29W1	0.12	30%	1.026	5,680	36	0.17	60%	1.026	15,620	98	22,089	139	43,389	273	0.0319
6	11	007	29W1	0.14	30%	1.026	6,627	42	0.05	60%	1.026	4,260	27	18,933	119	29,820	188	0.0219
7	11	007	29W1	0.13	30%	1.026	5,917	37	0.14	60%	1.026	13,253	83	19,564	123	38,734	244	0.0285
8	11	007	29W1	0.10	30%	1.026	4,733	30	0.28	60%	1.026	26,507	167	22,089	139	53,329	335	0.0392
9	11	007	29W1	0.11	30%	1.026	4,970	31	0.17	60%	1.026	16,330	103	19,564	123	40,864	257	0.0301
10	11	007	29W1	0.14	30%	1.026	6,627	42	0.04	60%	1.026	3,787	24	18,933	119	29,347	185	0.0216
11	11	007	29W1	0.11	30%	1.026	4,970	31	0.23	60%	1.026	21,773	137	20,511	129	47,254	297	0.0348
12	11	007	29W1	0.11	30%	1.026	4,970	31	0.24	60%	1.026	22,720	143	25,876	163	53,566	337	0.0394
13	11	007	29W1	0.13	30%	1.026	6,153	39	0.28	60%	1.026	26,507	167	28,400	179	61,060	384	0.0449
14	11	007	29W1	0.10	30%	1.026	4,733	30	0.42	60%	1.026	39,287	247	22,720	143	66,740	420	0.0491
15	11	007	29W1	0.11	30%	1.026	4,970	31	0.11	60%	1.026	10,413	66	17,671	111	33,054	208	0.0243
16	11	007	29W1	0.14	30%	1.026	6,390	40	0.03	60%	1.026	2,840	18	16,409	103	25,639	161	0.0189
Section 11-007-29W1																		
1	14	007	29W1	0.12	30%	1.026	5,680	36	0.07	60%	1.026	6,153	39	17,040	107	28,873	187	0.0212
2	14	007	29W1	0.10	30%	1.026	4,733	30	0.35	60%	1.026	33,133	208	18,933	119	56,800	352	0.0418
3	14	007	29W1	0.11	30%	1.026	4,970	31	0.31	60%	1.026	29,347	185	22,089	139	56,406	355	0.0415
4	14	007	29W1	0.14	30%	1.026	6,390	40	0.18	60%	1.026	17,040	107	23,982	151	47,412	298	0.0349
5	14	007	29W1	0.16	30%	1.026	7,573	48	0.19	60%	1.026	17,513	110	22,720	143	47,807	301	0.0352
6	14	007	29W1	0.13	30%	1.026	6,153	39	0.09	60%	1.026	8,520	54	22,089	139	36,762	231	0.0270
7	14	007	29W1	0.10	30%	1.026	4,733	30	0.45	60%	1.026	42,600	268	18,302	115	65,636	413	0.0483
8	14	007	29W1	0.10	30%	1.026	4,733	30	0.17	60%	1.026	16,093	101	15,778	99	36,604	230	0.0269
9	14	007	29W1	0.11	30%	1.026	4,970	31	0.18	60%	1.026	17,040	107	14,516	91	36,526	290	0.0269
10	14	007	29W1	0.11	30%	1.026	5,207	33	0.28	60%	1.026	26,033	164	15,778	99	47,018	296	0.0346
11	14	007	29W1	0.20	30%	1.026	9,487	60	0.02	60%	1.026	1,893	12	17,356	109	28,716	181	0.0211
12	14	007	29W1	0.15	30%	1.026	7,100	45	0.15	60%	1.026	13,727	86	17,040	107	37,867	238	0.0279
13	14	007	29W1	0.14	30%	1.026	6,627	42	0.06	60%	1.026	5,680	36	13,569	85	25,876	163	0.0190
14	14	007	29W1	0.28	30%	1.026	13,253	83	0.00	60%	1.026	0	0	14,516	91	27,769	175	0.0204
15	14	007	29W1	0.18	30%	1.026	8,520	54	0.03	60%	1.026	2,840	18	13,884	87	25,244	159	0.0186
16	14	007	29W1	0.16	30%	1.026	7,692	48	0.04	60%	1.026	3,787	24	12,622	79	24,101	152	0.0177
Section 14-007-29W1																		
Total Unit Area							107,802	678				241,400	1,518	280,213	1,763	629,415	3,959	0.46299144
							195,132	1,227				531,317	3,342	633,004	3,992	1,359,453	8,551	1

ATTACHED TO AND MADE PART OF AN AGREEMENT ENTITLED

Sinclair Unit No. 4 Unit Agreement

Tract Number	Land Description	Tract Participation	Working Interest Owner	Share of Working Interest	Crown P&NG Lease Number	Share of Tract Participation	Royalty Owner
LSD							
1	7-29 W1M, 11	5.21108%	FP3	100%	L043-2346	5.21108%	Crown
2	7-29 W1M, 11	4.39867%	FP3	100%	L043-2346	4.39867%	Crown
3	7-29 W1M, 11	2.74481%	FP3	100%	L043-2346	2.74481%	Crown
4	7-29 W1M, 11	2.88989%	FP3	100%	L043-2346	2.88989%	Crown
5	7-29 W1M, 11	3.19164%	FP3	100%	L043-2346	3.19164%	Crown
6	7-29 W1M, 11	2.19353%	FP3	100%	L043-2346	2.19353%	Crown
7	7-29 W1M, 11	2.84927%	FP3	100%	L043-2346	2.84927%	Crown
8	7-29 W1M, 11	3.92282%	FP3	100%	L043-2346	3.92282%	Crown
9	7-29 W1M, 11	3.00595%	FP3	100%	L043-2346	3.00595%	Crown
10	7-29 W1M, 11	2.15871%	FP3	100%	L043-2346	2.15871%	Crown
11	7-29 W1M, 11	3.47599%	FP3	100%	L043-2346	3.47599%	Crown
12	7-29 W1M, 11	3.94023%	FP3	100%	L043-2346	3.94023%	Crown
13	7-29 W1M, 11	4.49151%	FP3	100%	L043-2346	4.49151%	Crown
14	7-29 W1M, 11	4.90933%	FP3	100%	L043-2346	4.90933%	Crown
15	7-29 W1M, 11	2.43145%	FP3	100%	L043-2346	2.43145%	Crown
16	7-29 W1M, 11	1.88597%	FP3	100%	L043-2346	1.88597%	Crown
37	7-29 W1M, 14	2.12389%	FP3	100%	L043-2348	2.12389%	Crown
38	7-29 W1M, 14	4.17815%	FP3	100%	L043-2348	4.17815%	Crown
39	7-29 W1M, 14	4.14914%	FP3	100%	L043-2348	4.14914%	Crown
40	7-29 W1M, 14	3.48760%	FP3	100%	L043-2348	3.48760%	Crown
41	7-29 W1M, 14 RR102 PTN	0.09539%	FP3	100%	-	0.09539%	EnCana RR102
42	7-29 W1M, 14 RR102 PTN	0.07335%	FP3	100%	-	0.07335%	EnCana RR102
43	7-29 W1M, 14 RR102 PTN	0.18196%	FP3	100%	-	0.18196%	EnCana RR102
44	7-29 W1M, 14 RR102 PTN	0.10148%	FP3	100%	-	0.10148%	EnCana RR102
45	7-29 W1M, 14 RR102 PTN	0.00285%	FP3	100%	-	0.00285%	EnCana RR102
46	7-29 W1M, 14 RR102 PTN	0.00367%	FP3	100%	-	0.00367%	EnCana RR102
47	7-29 W1M, 14 RR102 PTN	0.02205%	FP3	100%	-	0.02205%	EnCana RR102
48	7-29 W1M, 14 RR102 PTN	0.02907%	FP3	100%	-	0.02907%	EnCana RR102
49	7-29 W1M, 14 Crown PTN	3.42122%	FP3	100%	L043-2348	3.42122%	Crown
50	7-29 W1M, 14 Crown PTN	2.63084%	FP3	100%	L043-2348	2.63084%	Crown
51	7-29 W1M, 14 Crown PTN	4.64613%	FP3	100%	L043-2348	4.64613%	Crown
52	7-29 W1M, 14 Crown PTN	2.59111%	FP3	100%	L043-2348	2.59111%	Crown
53	7-29 W1M, 14 Crown PTN	2.68393%	FP3	100%	L043-2349	2.68393%	Crown
54	7-29 W1M, 14 Crown PTN	3.45491%	FP3	100%	L043-2349	3.45491%	Crown
55	7-29 W1M, 14 Crown PTN	2.09024%	FP3	100%	L043-2349	2.09024%	Crown
56	7-29 W1M, 14 Crown PTN	2.75636%	FP3	100%	L043-2349	2.75636%	Crown
57	7-29 W1M, 14	1.90338%	FP3	100%	L043-2349	1.90338%	Crown
58	7-29 W1M, 14	2.04265%	FP3	100%	L043-2349	2.04265%	Crown
59	7-29 W1M, 14	1.85696%	FP3	100%	L043-2349	1.85696%	Crown
60	7-29 W1M, 14	1.77281%	FP3	100%	L043-2349	1.77281%	Crown
TOTAL						100.000000%	

Effective as of the Effective Date