Geochemical Report, TOC/Rock-Eval Pyrolysis Results for

Louisiana Land & Exploration Doyon Ltd No. 1;

Louisiana Land & Exploration Doyon Ltd No. 2; and

Louisiana Land & Exploration Doyon Ltd No. 3 Wells

11 July 1986 Total of 17 pages in report

Geologic Materials Center Data Report 55

GEOCHEMICAL REPORT

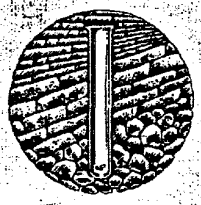
TOC/Rock-Eval Pyrolysis Results

P214 049

L. L. & E. Doyon No. 1

Kandik Basin, Alaska

32-10N-27E Fairbanks



BROWN & RUTH LABORATORIES, INC.

HOUSTON, TX • DENVER, CO

TABLE I

Results of Organic Carbon Analysis and Rock-Eval Pyrolysis

Sample Number	Depth (ft.)	T.O.C. (% Wt.)	S1 (mg/g)	S2 (mg/g)	S3 (mg/g)	Tmax (°C)	Production Index	S2/S3	Hydrogen Index	Oxygen Index
2113-001	100-120	1.01	0.27	<0.10	0.43	**	---	---	---	42
2113-002	220-240	1.08	0.26	0.14	0.39	**	0.65	0.35	12	36
2113-003	340-360	1.16	0.26	<0.10	0.24	**	---	---	---	20
2113-004	460-480	1.13	0.30	0.19	0.49	407	0.62	0.38	16	43
2113-005	580-590	1.05	0.25	0.13	0.24	**	0.66	0.54	12	22
2113-006	670-680	1.04	0.28	<0.10	0.29	**	---	---	---	27
2113-007	760-770	0.97	0.24	0.12	0.20	**	0.67	0.60	12	20
2113-008	850-860	1.10	0.24	<0.10	0.25	**	0.75	0.36	8	22
2113-009	940-950	1.11	0.23	<0.10	0.18	**	---	---	---	16
2113-010	1030-1040	1.07	0.21	<0.10	0.19	**	---	---	---	17
2113-011	1120-1130	1.06	0.26	0.16	0.20	310	0.62	0.80	15	18
2113-012	1210-1220	1.05	0.19	<0.10	0.13	**	---	---	---	12
2113-013	1300-1310	1.13	0.22	0.11	0.12	434	0.69	0.91	9	10
2113-014	1390-1400	0.98	0.15	0.10	0.13	341	0.62	0.76	10	13
2113-015	1480-1490	1.09	0.17	<0.10	0.08	**	---	---	---	7
2113-016	1570-1580	1.04	0.19	<0.10	0.15	**	---	---	---	14
2113-017	1660-1670	1.00	0.17	<0.10	0.13	**	---	---	---	13
2113-018	1750-1760	0.95	0.18	<0.10	0.11	**	---	---	---	11
2113-019	1840-1850	1.13	0.18	<0.10	0.13	**	---	---	---	11
2113-020	1930-1940	0.81	0.17	0.13	0.08	**	0.57	1.62	16	9
2113-021	2020-2030	1.07	0.15	<0.10	0.21	**	---	---	---	19
2113-022	2110-2120	1.08	0.17	<0.10	0.20	**	---	---	---	18
2113-023	2200-2210	0.98	0.12	<0.10	0.11	**	---	---	---	11
2113-024	2290-2300	0.93	0.12	0.13	0.19	365	0.50	0.68	13	20
2113-025	2380-2390	1.04	0.17	<0.10	0.19	**	---	---	---	18
2113-026	2470-2480	1.04	0.19	<0.10	0.18	**	---	---	---	17
2113-027	2560-2570	1.03	0.18	<0.10	0.18	**	---	---	---	17
2113-028	2650-2660	1.01	0.23	0.10	0.18	**	0.72	0.55	9	17
2113-029	2740-2750	0.98	0.24	0.19	0.92	381	0.57	0.20	19	93
2113-030	2830-2840	1.14	0.28	<0.10	0.30	**	---	---	---	26
2113-031	2920-2930	1.23	0.13	0.12	0.65	320	0.54	0.18	9	52
2113-032	3010-3020	1.21	0.14	<0.10	0.21	**	---	---	---	17
2113-033	3100-3110	1.20	0.15	<0.10	0.19	**	---	---	---	15

TABLE I

Results of Organic Carbon Analysis and Rock-Eval Pyrolysis

Sample Number	Depth (ft.)	T.O.C. (% Wt.)	S1 (mg/g)	S2 (mg/g)	S3 (mg/g)	Tmax (°C)	Production Index	S2/S3	Hydrogen Index	Oxygen Index
2113-034	3190-3200	1.14	0.12	<0.10	0.22	**	---	---	---	19
2113-035	3280-3290	1.03	<0.10	<0.10	0.27	**	---	---	---	26
2113-036	3370-3380	1.12	0.13	<0.10	0.31	**	---	---	---	27
2113-037	3460-3470	1.09	0.15	<0.10	0.19	**	---	---	---	17
2113-038	3550-3560	1.05	0.13	<0.10	0.20	**	---	---	---	19
2113-039	3640-3650	1.05	0.12	<0.10	0.15	**	---	---	---	14
2113-040	3730-3740	1.11	0.22	0.13	0.28	300	0.65	0.46	11	25
2113-041	3820-3830	1.06	0.13	<0.10	0.21	**	---	---	---	19
2113-042	3910-3920	0.98	0.11	<0.10	0.22	**	---	---	---	22
2113-043	4000-4010	1.04	0.13	<0.10	0.15	**	---	---	---	14
2113-044	4090-4100	1.00	0.13	<0.10	0.20	**	---	---	---	20
2113-045	4180-4190	1.07	0.13	<0.10	0.19	**	---	---	---	17
2113-046	4270-4280	1.09	0.15	<0.10	0.28	**	---	---	---	25
2113-047	4360-4370	1.20	0.15	<0.10	0.18	**	---	---	---	15
2113-048	4450-4460	1.42	0.10	<0.10	0.12	**	---	---	---	8
2113-049	4540-4550	1.70	0.19	<0.10	0.22	**	---	---	---	12
2113-050	4630-4640	1.76	0.19	<0.10	0.19	**	---	---	---	10
2113-051	4720-4730	1.53	0.18	<0.10	0.25	**	---	---	---	16
2113-052	4810-4820	1.59	0.19	<0.10	0.24	**	---	---	---	15
2113-053	4900-4910	1.60	0.20	<0.10	0.23	**	---	---	---	14
2113-054	4990-5000	1.63	0.33	0.19	0.26	301	0.63	0.73	11	15
2113-055	5080-5090	1.75	0.22	<0.10	0.13	**	---	---	---	7
2113-056	5170-5180	1.66	0.20	<0.10	0.12	**	---	---	---	7
2113-057	5260-5270	1.78	0.20	<0.10	0.10	**	---	---	---	5
2113-058	5350-5360	1.88	0.22	<0.10	0.12	**	---	---	---	6
2113-059	5440-5450	1.58	0.24	0.11	0.17	**	0.71	0.64	6	10
2113-060	5530-5540	1.63	0.25	0.14	0.18	357	0.66	0.77	8	11
2113-061	5620-5630	1.69	0.25	<0.10	0.18	**	---	---	---	10
2113-062	5710-5720	0.60	0.10	<0.10	0.12	**	---	---	---	20
2113-063	5800-5810	0.89	0.17	<0.10	0.15	**	---	---	---	16
2113-064	5890-5900	0.69	0.14	<0.10	0.12	**	---	---	---	17
2113-065	5980-5990	0.48	---	---	---	---	---	---	---	---
2113-066	6040-6050	0.54	0.13	<0.10	0.08	**	---	---	---	14

TABLE I

Results of Organic Carbon Analysis and Rock-Eval Pyrolysis

Sample Number	Depth (ft.)	T.O.C. (% Wt.)	S1 (mg/g)	S2 (mg/g)	S3 (mg/g)	Tmax (°C)	Production Index	S2/S3	Hydrogen Index	Oxygen Index
2113-067	6160-6170	0.33	---	---	---	---	---	---	---	---
2113-068	6250-6260	0.46	---	---	---	---	---	---	---	---
2113-069	6340-6350	0.36	---	---	---	---	---	---	---	---
2113-070	6430-6440	0.21	---	---	---	---	---	---	---	---
2113-071	6520-6530	0.49	---	---	---	---	---	---	---	---
2113-072	6610-6620	0.87	0.13	<0.10	0.26	**	---	---	---	29
2113-073	6700-6710	1.02	0.17	<0.10	0.30	**	---	---	---	29
2113-074	6790-6800	1.23	0.19	<0.10	0.27	**	---	---	---	21
2113-075	6880-6890	1.36	0.17	0.22	0.31	358	0.45	0.70	16	22
2113-076	6970-6980	0.75	0.13	0.14	0.27	377	0.50	0.51	18	36
2113-077c	7028-7031	0.90	<0.10	0.11	0.20	359	---	0.55	12	22
2113-078c	7035-7036	0.97	0.35	0.22	0.19	342	0.62	1.15	22	19
2113-079	7060-7070	1.02	0.25	0.33	0.21	400	0.43	1.57	32	20
2113-080	7150-7160	1.33	0.19	0.17	0.18	320	0.53	0.94	12	13
2113-081	7240-7250	1.53	0.32	0.59	0.32	389	0.36	1.84	38	20
2113-082	7330-7340	1.56	0.16	<0.10	0.20	**	---	---	---	12
2113-083	7420-7430	1.63	0.20	<0.10	0.13	**	---	---	---	7
2113-084	7510-7520	2.09	0.14	0.13	0.10	435	0.54	1.30	6	4
2113-085	7600-7610	1.72	0.13	0.13	0.12	**	0.50	1.08	7	6
2113-086	7680-7690	1.87	0.18	0.24	0.13	378	0.43	1.84	12	6
2113-087	7770-7780	1.71	0.13	0.15	0.18	406	0.46	0.83	8	10
2113-088	7860-7870	2.30	0.19	0.25	0.27	377	0.43	0.92	10	11
2113-089	7950-7960	1.93	0.18	0.19	0.08	319	0.50	2.37	9	4
2113-090	8010-8020	2.08	0.19	0.16	0.27	324	0.56	0.59	7	12
2113-091	8100-8110	1.75	0.26	0.20	0.17	329	0.57	1.17	11	9
2113-092	8190-8200	1.77	0.14	0.14	0.19	386	0.50	0.73	7	10
2113-093	8280-8290	2.27	0.19	0.14	0.29	329	0.59	0.48	6	12
2113-094	8370-8380	2.77	0.20	0.20	0.42	352	0.50	0.47	7	15
2113-095	8460-8470	2.64	0.20	0.25	0.33	376	0.45	0.75	9	12
2113-096	8550-8560	1.99	0.15	0.15	0.32	370	0.50	0.46	7	16
2113-097	8640-8650	2.49	0.23	0.33	0.38	379	0.41	0.86	13	15
2113-098	8730-8740	2.16	0.19	0.27	0.33	384	0.41	0.81	12	15
2113-099	8820-8830	2.13	0.18	0.22	0.26	386	0.45	0.84	10	12

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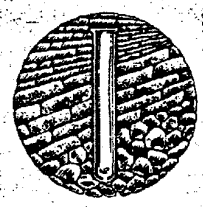
Sample Number	Depth (ft.)	T.O.C. (% Wt.)	S1 (mg/g)	S2 (mg/g)	S3 (mg/g)	Tmax (°C)	Production Index	S2/S3	Hydrogen Index	Oxygen Index
2113-100	8910-8920 D	1.96	0.19	0.20	0.33	380	0.50	0.60	10	16
2113-101	9000-9010	1.69	0.17	0.18	0.22	331	0.50	0.81	10	13
2113-102	9090-9100	1.87	0.18	0.18	0.21	345	0.50	0.85	9	11
2113-103	9180-9190	1.85	0.12	0.20	0.32	339	0.37	0.62	10	17
2113-104	9270-9280	2.10	0.19	0.24	0.27	387	0.45	0.88	11	12
2113-105	9360-9370	2.21	0.25	0.25	0.35	382	0.50	0.71	11	15
2113-106	9450-9460	2.26	0.22	0.15	0.34	381	0.61	0.44	6	15
2113-107	9540-9550	2.43	0.20	0.14	0.32	354	0.59	0.43	5	13
2113-108	9630-9640	3.64	0.22	0.19	0.37	335	0.55	0.51	5	10
2113-109	9720-9730	2.13	0.14	0.12	0.48	301	0.54	0.25	5	22
2113-110	9810-9820	2.73	0.19	0.19	0.33	313	0.50	0.57	6	12
2113-111	9900-9910	2.56	0.16	0.26	0.37	384	0.38	0.70	10	14
2113-112	9990-10000	1.28	0.11	0.11	0.22	322	0.50	0.50	8	17
2113-113	10080-10090	1.15	0.10	<0.10	0.18	**	---	---	---	15
2113-114	10170-10180	1.34	0.10	<0.10	0.26	**	---	---	---	19
2113-115	10260-10270	1.65	0.20	0.14	0.44	411	0.59	0.31	8	26
2113-116	10350-10360	1.32	0.14	0.11	0.26	**	0.58	0.42	8	19
2113-117	10440-10450	1.75	0.13	0.13	0.15	**	0.50	0.86	7	8
2113-118	10530-10540	1.60	0.16	0.17	0.15	337	0.50	1.13	10	9
2113-119	10620-10630	2.26	0.14	0.12	0.18	306	0.54	0.66	5	7
2113-120	10680-10690	2.32	0.13	0.17	0.19	328	0.43	0.89	7	8
2113-121c	10703-10704 C	1.86	<0.10	<0.10	0.15	**	---	---	---	8
2113-122c	10723-10726 C	4.68	0.10	0.16	0.23	340	0.38	0.69	3	4
2113-123	10740-10750	2.25	0.18	0.16	0.28	388	0.53	0.57	7	12
2113-124	10830-10840	1.70	0.11	0.13	0.18	**	0.46	0.72	7	10
2113-125	10920-10930	1.77	0.16	0.11	0.26	312	0.62	0.42	6	14

c - denotes core sample.
**Unable to determine due to insufficient S2 yield, multiple peaks, etc.

GEOCHEMICAL REPORT

TOC/Rock-Eval Pyrolysis Results

Louisiana Land + Exploration
L.L. & E. Doyon No. 2
Kandik Basin, Alaska
31-16N-28E FA.
P219162



BROWN & RUTH LABORATORIES, INC.
HOUSTON, TX • DENVER, CO

TABLE I

Results of Organic Carbon (T.O.C.) Analysis

Sample Number	Depth (ft)	T.O.C. (Wt.%)
2114-001	290-300	0.86
2114-002	380-390	0.63
2114-003	470-480	0.42
2114-004	560-570	0.41
2114-005	650-660	0.79
2114-006	740-750	0.88
2114-007	830-840	0.84
2114-008	920-930	0.73/0.74
2114-009	1010-1020	0.69
2114-010	1100-1110	0.72
2114-011	1190-1200	0.76
2114-012	1280-1290	0.72
2114-013	1370-1380	0.66
2114-014	1460-1470	0.55
2114-015	1550-1560	0.63
2114-016	1640-1650	0.79/0.79
2114-017	1730-1740	0.85
2114-018	1820-1830	0.79
2114-019	1910-1920	0.91
2114-020	2000-2010	0.95
2114-021	2090-2100	0.91
2114-022	2180-2190	0.88
2114-023	2270-2280	0.82
2114-024	2360-2370	1.09/1.09
2114-025	2450-2460	0.86
2114-026	2540-2550	0.74
2114-027	2630-2640	1.02
2114-028	2720-2730	0.63
2114-029	2810-2820	0.93
2114-030	2900-2910	0.68
2114-031	2990-3000	0.83
2114-032	3080-3090	0.75/0.73
2114-033	3170-3180	0.42
2114-034	3260-3270	0.39
2114-035	3350-3360	0.69
2114-036	3440-3450	1.75
2114-037	3530-3540	0.66
2114-038	3620-3630	0.22
2114-039	3710-3720	0.23
2114-040	3800-3810	0.27
2114-041	3890-3900	0.23
2114-042	3980-3990	0.14

TABLE I

Results of Organic Carbon (T.O.C.) Analysis

Sample Number	Depth (ft)	T.O.C. (Wt.%)
2114-043	4080-4090	0.20
2114-044	4170-4180	0.31
2114-045	4260-4270	0.43
2114-046	4350-4360	0.27
2114-047	4440-4450	0.22
2114-048	4530-4590	0.25
2114-049	4620-4630	0.15/0.16
2114-050	4710-4720	0.15
2114-051	4800-4810	0.12
2114-052	4890-4900	0.10
2114-053	4980-4990	0.15
2114-054	5070-5080	0.15
2114-055	5160-5170	0.11
2114-056	5250-5260	0.09
2114-057	5340-5350	0.06/0.06
2114-058	5430-5440	0.12
2114-059	5520-5530	0.11
2114-060	5610-5620	0.28
2114-061	5880-5890	2.50
2114-062	5970-5980	3.64
2114-063	6060-6070	3.90
2114-064	6060-6070	2.76
2114-065	6150-6160	4.61/4.64
2114-066	6240-6250	0.55
2114-067	6330-6340	0.15
2114-068	6420-6430	0.21
2114-069	6510-6520	0.18
2114-070	6600-6610	0.19
2114-071	6690-6700	0.10
2114-072	6780-6790	0.10
2114-073	6870-6880	0.07/0.07
2114-074	6960-6970	0.12
2114-075	7050-7060	0.07
2114-076	7140-7150	0.10
2114-077	7210-7220	0.05
2114-078	7230-7240	0.07
2114-079	7250-7260	0.05
2114-080	7270-7280	0.06
2114-081	7290-7300	0.06
2114-082	7310-7320	0.07
2114-083	7330-7340	0.05
2114-084	7350-7360	0.04

TABLE I

Results of Organic Carbon (T.O.C.) Analysis

Sample Number	Depth (ft)	T.O.C. (Wt.%)
2114-085	7370-7380	0.04
2114-086	7390-7400	0.04
2114-087	7410-7420	0.04
2114-088	7430-7440	0.05
2114-089	7450-7460	0.04
2114-090	7470-7480	0.05/0.05
2114-091	7480-7490	0.06
2114-092	7490-7500	0.06
2114-093	7580-7590	0.06
2114-094	7670-7680	0.04
2114-095	7760-7770	0.07
2114-096	7850-7860	0.09
2114-097	7940-7950	0.10
2114-098	8030-8040	0.10/0.10
2114-099	8120-8130	0.15
2114-100	8210-8220	0.65
2114-101	8300-8310	0.66
2114-102	8390-8400	1.45
2114-103	8480-8490	0.50
2114-104	8570-8580	0.20
2114-105	8660-8670	2.43
2114-106	8750-8760	0.45/0.45
2114-107	8830-8840	0.11
2114-108	8900-8910	0.61
2114-109	9070-9090	0.26

TABLE II

Results of Organic Carbon Analysis and Rock-Eval Pyrolysis

Sample Number	Depth (ft.)	T.O.C. (% Wt.)	S1 (mg/g)	S2 (mg/g)	S3 (mg/g)	Tmax (°C)	Production Index	S2/S3	Hydrogen Index	Oxygen Index
2114-001	290-300	0.86	0.13	<0.10	0.37	**	---	---	---	43
2114-002	380-390	0.63	<0.10	<0.10	0.25	**	---	---	---	39
2114-005	650-660	0.79	0.13	<0.10	0.19	**	---	---	---	24
2114-006	740-750	0.88	0.11	<0.10	0.12	**	---	---	---	13
2114-007	830-840	0.84	0.13	<0.10	0.13	**	---	---	---	15
2114-008	920-930	0.73	0.12	<0.10	0.21	**	---	---	---	28
2114-009	1010-1020	0.69	0.11	<0.10	0.15	**	---	---	---	21
2114-010	1100-1110	0.72	<0.10	<0.10	0.16	**	---	---	---	22
2114-011	1190-1200	0.76	0.18	<0.10	0.26	**	---	---	---	34
2114-012	1280-1290	0.72	0.12	<0.10	0.20	**	---	---	---	27
2114-013	1370-1380	0.66	0.11	<0.10	0.15	**	---	---	---	22
2114-014	1460-1470	0.55	<0.10	<0.10	0.14	**	---	---	---	25
2114-015	1550-1560	0.63	<0.10	<0.10	0.16	**	---	---	---	25
2114-016	1640-1650	0.79	0.10	<0.10	0.15	**	---	---	---	18
2114-017	1730-1740	0.85	0.12	<0.10	0.13	**	---	---	---	15
2114-018	1820-1830	0.79	0.13	<0.10	0.08	**	---	---	---	10
2114-019	1910-1920	0.91	0.16	<0.10	0.14	**	---	---	---	15
2114-020	2000-2010	0.95	0.12	0.19	0.32	418	0.40	0.59	20	33
2114-021	2090-2100	0.91	0.20	<0.10	0.22	**	---	---	---	24
2114-022	2180-2190	0.88	0.13	<0.10	0.16	**	---	---	---	18
2114-023	2270-2280	0.82	<0.10	<0.10	0.19	**	---	---	---	23
2114-024	2360-2370	1.09	0.12	<0.10	0.12	**	---	---	---	11
2114-025	2450-2460	0.86	0.10	<0.10	0.13	**	---	---	---	15
2114-026	2540-2550	0.74	0.10	<0.10	0.25	**	---	---	---	33
2114-027	2630-2640	1.02	0.16	<0.10	0.17	**	---	---	---	16
2114-028	2720-2730	0.63	<0.10	<0.10	0.17	**	---	---	---	26
2114-029	2810-2820	0.93	0.12	<0.10	0.18	**	---	---	---	19
2114-030	2900-2910	0.68	<0.10	<0.10	0.15	**	---	---	---	22
2114-031	2990-3000	0.83	0.13	0.11	0.30	306	0.54	0.36	13	36
2114-032	3080-3090	0.75	0.12	<0.10	0.25	**	---	---	---	33
2114-035	3350-3360	0.69	<0.10	<0.10	0.23	**	---	---	---	33
2114-036	3440-3450	1.75	0.54	0.33	0.34	**	---	---	---	19
2114-037	3530-3540	0.66	<0.10	<0.10	0.09	**	---	---	---	13

TABLE II

Results of Organic Carbon Analysis and Rock-Eval Pyrolysis

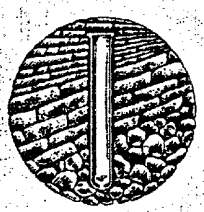
Sample Number	Depth (ft.)	T.O.C. (% Wt.)	S1 (mg/g)	S2 (mg/g)	S3 (mg/g)	Tmax (°C)	Production Index	S2/S3	Hydrogen Index	Oxygen Index
2114-061	5880-5890	2.50	0.24	0.12	0.32	**	0.67	0.37	4	12
2114-062	5970-5980	3.64	0.25	0.15	0.28	**	0.62	0.53	4	7
2114-063	6060-6070	3.90	0.18	<0.10	0.43	**	---	---	---	11
2114-064	6060-6070	2.76	0.13	<0.10	0.19	**	---	---	---	6
2114-065	6150-6160	4.61	0.21	<0.10	0.33	**	---	---	---	7
2114-066	6240-6250	0.55	< 0.10	<0.10	0.20	**	---	---	---	36
2114-100	8210-8220	0.65	0.10	0.11	0.23	**	0.50	0.47	16	35
2114-101	8300-8310	0.66	< 0.10	<0.10	0.30	**	---	---	---	45
2114-102	8390-8400	1.45	< 0.10	<0.10	0.28	**	---	---	---	19
2114-103	8480-8490	0.50	< 0.10	<0.10	0.22	**	---	---	---	44
2114-105	8660-8670	2.43	< 0.10	0.11	0.42	320	---	0.26	4	17
2114-108	8900-8910	0.61	< 0.10	<0.10	0.26	**	---	---	---	42

**Unable to determine due to insufficient S2 yields, multiple peaks, etc.

GEOCHEMICAL REPORT

TOC/Rock-Eval Pyrolysis Results

L. L. & E. Doyon No. 3
Kandik Basin, Alaska
20-23N-28E



BROWN & RUTH LABORATORIES, INC.
HOUSTON, TX • DENVER, CO

Results of Organic Carbon (T.O.C.) Analysis

Sample Number	Depth (ft)	T.O.C. (Wt.%)
2115-001	100-110	0.04
2115-002	190-200	0.04
2115-003	280-290	0.04
2115-004	370-380	0.04
2115-005	460-470	0.09/0.09
2115-006	550-560	0.08
2115-007	620-630	0.10
2115-008	2332-2340	0.08
2115-009	2420-2430	0.07
2115-010	2510-2520	0.17
2115-011	2600-2610	0.06
2115-012	2690-2700	0.04
2115-013	2780-2790	0.04
2115-014	2870-2880	0.04
2115-015	2960-2970	0.03
2115-016	3050-3060	0.03
2115-017	3140-3150	0.03
2115-018	3240-3250	0.08
2115-019	3330-3340	0.08
2115-020	3350-3360	0.19
2115-021	3360-3370	0.69
2115-022	3370-3380	0.20/0.20
2115-023	3420-3430	0.29
2115-024	3510-3520	0.29
2115-025	3600-3610	0.17
2115-026	3690-3700	0.31
2115-027	3780-3790	0.27
2115-028	3870-3880	0.39
2115-029	3960-3970	0.22
2115-030	4050-4060	0.22/0.22
2115-031	4140-4150	0.26
2115-032	4230-4240	0.16
2115-033	4320-4330	0.09
2115-034	4410-4420	0.08
2115-035	4500-4510	0.10
2115-036	4590-4600	0.08
2115-037	4680-4690	0.13
2115-038	4770-4780	0.12/0.12
2115-039	4860-4870	0.21
2115-040	4950-4960	0.18
2115-041	5040-5050	0.13
2115-042	5130-5140	0.12

Results of Organic Carbon (T.O.C.) Analysis

Sample Number	Depth (ft.)	T.O.C. (Wt.%)
2115-043	5200-5210	0.15
2115-044	5220-5230	0.14
2115-045	5300-5310	0.05
2115-046	5390-5400	0.09/0.09
2115-047	5480-5490	0.13
2115-048	5570-5580	0.07
2115-049	5660-5670	0.10
2115-050	5750-5760	0.06
2115-051	5840-5850	0.08
2115-052	5930-5940	0.06
2115-053	6020-6030	0.12
2115-054	6110-6120	0.07
2115-055	6200-6210	0.07
2115-056	6290-6300	0.05
2115-057	6380-6390	0.05
2115-058	6470-6480	0.06
2115-059	6560-6570	0.06
2115-060	6660-6670	0.07
2115-061	6740-6750	0.05
2115-062	6830-6840	0.07
2115-063	6920-6930	0.06/0.06
2115-064	7010-7020	0.08
2115-065	7100-7110	0.08
2115-066	7190-7200	0.09
2115-067	7280-7290	0.14
2115-068	7370-7380	0.09
2115-069	7460-7470	0.08
2115-070	7550-7560	0.07
2115-071	7640-7650	0.06/0.06
2115-072	7730-7740	0.05
2115-073	7820-7830	0.04
2115-074	7910-7920	0.05
2115-075	8000-8010	0.05
2115-076	8090-8100	0.05
2115-077	8180-8190	0.07
2115-078	8270-8280	0.09
2115-079	8360-8370	0.09/0.09
2115-080	8450-8460	0.05
2115-081	8540-8550	0.07
2115-082	8630-8640	0.02
2115-083	8720-8730	0.04
2115-084	8810-8820	0.03

Results of Organic Carbon (T.O.C.) Analysis

Sample Number	Depth (ft)	T.O.C. (Wt.%)
2115-085	8910-8920	0.03
2115-086	9000-9010	0.03
2115-087	9090-9100	0.02/0.02
2115-088	9180-9190	0.02
2115-089	9270-9280	0.05
2115-090	9360-9370	0.03
2115-091	9450-9460	0.02
2115-092	9540-9550	0.04
2115-093	9630-9640	0.04
2115-094	9720-9730	0.03
2115-095	9810-9820	0.04
2115-096	9900-9910	0.05
2115-097	9990-10000	0.04
2115-098	10080-10090	0.04
2115-099	10170-10180	0.04
2115-100	10260-10270	0.04
2115-101	10350-10360	0.03
2115-102	10440-10450	0.05
2115-103	10530-10540	0.03
2115-104	10620-10630	0.05/0.03
2115-105	10710-10720	0.02
2115-106	10800-10810	0.04
2115-107	10890-10900	0.04
2115-108	10980-10990	0.03
2115-109	11070-11080	0.05
2115-110	11160-11170	0.04
2115-111	11250-11260	0.05
2115-112	11340-11350	0.04/0.05
2115-113	11430-11440	0.03
2115-114	11520-11530	0.04
2115-115	11610-11620	0.04
2115-116	11700-11710	0.06
2115-117	11790-11800	0.14
2115-118	11880-11890	0.14
2115-119	11970-11980	0.08
2115-120	12060-12070	0.10/0.11
2115-121	12150-12160	0.10
2115-122	12240-12250	0.08
2115-123	12330-12340	0.16
2115-124	12420-12430	0.16
2115-125	12510-12520	0.10
2115-126	12564-12567	0.04

Results of Organic Carbon (T.O.C.) Analysis

Sample Number	Depth (ft)	T.O.C. (Wt.%)
2115-127	12600-12610	0.09
2115-128	12690-12700	0.08
2115-129	12780-12790	0.11
2115-130	12870-12880	0.06
2115-131	12960-12970	0.06
2115-132	13050-13060	0.12
2115-133	13140-13150	0.10
2115-134	13230-13240	0.06
2115-135	13320-13330	0.07
2115-136	13410-13420	0.07
2115-137	13500-13510	0.11
2115-138	13527-13528	0.10

TABLE II

Results of Organic Carbon Analysis and Rock-Eval Pyrolysis

Sample Number	Depth (ft.)	T.O.C. (% Wt.)	S1 (mg/g)	S2 (mg/g)	S3 (mg/g)	Tmax (°C)	Production Index	$\frac{S2}{S3}$	Hydrogen Index	Oxygen Index
2115 021	3360-3370	0.69	<0.10	<0.10	0.16	**	---	---	---	23

**Unable to determine due to insufficient S2 yield, multiple peaks, etc.