



Department of Resources  
and Energy

# BUREAU OF MINERAL RESOURCES, GEOLOGY & GEOPHYSICS

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## Division of Continental Geology

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*Reference:*

10 January 1986

File 83/1318

O.I.C.  
Technical Services Section  
Geological Survey of the N.T.  
GPO Box 2901  
Darwin N.T. 5794

Dear Susan

Please find enclosed computer print-outs of Rock-Eval and Total Organic Carbon analyses done on DDH samples from the McArthur Basin that I collected last year from the MTGS Core Library.

Sometime later this year I will send reprints of papers we hope to publish on the organic petrology, maturation and organic geochemistry of organic matter in the McArthur Basin for your files.

All the best,

*Don*

Ian Crick

Encls:

This report was sent in on 11/2/86 and contains Rock Evaluation & Total Organic Carbon analyses results done on DDH samples from the McArthur Basin. These DDH are:

MA/NT/79 ?  
MCA5 ✓  
MCA10 ?  
BB2 ✓  
MY4 ?  
MY5 ?  
WM6 ✓  
BB5 ✓  
GR1  
GR2  
GR3  
GR4 ?  
GR5  
GR6  
GR7  
GR8  
GR9  
GR11  
LY1  
BJ1  
BJ3  
BJ6  
L1

BASIN/AREA MCARTHUR

WELL/LOCALITY GR1

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ID	DEPTH M	TMAX DEG C	S1	S2 KG per TONNE	S3	S1+S2	S2/S3	PI	TOC %	HI	OI
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FORMATION BARNEY CREEK

2810	5.4	439	.19	3.63	.15	3.82	24.20	.05	.92	395	16
2811	8.1	439	.82	10.30	.43	11.12	23.95	.07	1.69	609	25
2812	13.8	437	2.16	27.52	.70	29.68	39.31	.07	4.22	652	17
2813	50.8	438	.71	7.42	.60	8.13	12.37	.09	1.33	558	45
2814	92.2	439	1.48	17.25	.62	18.73	27.82	.08	2.92	591	21
2815	125.6	436	.88	5.80	.67	6.68	8.66	.13	1.38	420	49
2816	151.5	437	.78	7.41	.66	8.19	11.23	.10	1.68	441	39
2817	170.0	438	.16	.53	.55	.69	.96	.23	.35	151	157
2818	194.1	441	1.24	10.56	.65	11.80	16.25	.11	2.41	438	27
2819	223.4	428	.05	.12	.43	.17	.28	.29	0.00		
2820	256.5	438	.26	.90	.22	1.16	4.09	.22	.51	176	43
2821	279.5	437	.64	2.26	.34	2.90	6.65	.22	.94	240	36
2822	295.8	435	.36	1.16	.30	1.52	3.87	.24	.61	190	49
2823	320.2	437	.61	1.83	.28	2.44	6.54	.25	.88	208	32
2824	331.8	441	.44	.85	.24	1.29	3.54	.34	.64	133	38
2825	350.9	446	.02	0.00	.09	.02	0.00	1.00	0.00		

BASIN/AREA MCARTHUR

WELL/LOCALITY GR2

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ID	DEPTH M	TMAX DEG C	S1	S2 KG per TONNE	S3	S1+S2	S2/S3	PI	TOC %	HI	OI
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FORMATION BARNEY CREEK

2826	45.5	437	.76	12.45	.34	13.21	36.62	.06	2.10	593	16
2827	62.9	437	4.90	66.39	1.15	71.29	57.73	.07	10.38	640	11
2828	86.1	438	1.35	16.74	.83	18.09	20.17	.07	2.61	641	32
2829	111.1	437	1.08	19.01	.81	20.09	23.47	.05	3.10	613	26
2830	147.0	439	1.26	17.52	.81	18.78	21.63	.07	3.06	573	26
2831	180.5	439	1.24	13.84	.87	15.08	15.91	.08	2.68	516	32
2832	202.2	434	1.04	8.28	.28	9.32	29.57	.11	2.00	414	14
2833	220.7	437	.48	3.01	.54	3.49	5.57	.14	.97	310	56
2834	238.2	439	.74	4.74	.66	5.48	7.18	.14	1.35	351	49

BASIN/AREA MCARTHUR

WELL/LOCALITY GR3

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ID	DEPTH M	TMAX DEG C	S1	S2 K6 per	S3 TONNE	S1+S2	S2/S3	PI	TOC %	HI	OI
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FORMATION BARNEY CREEK

2835	19.4	429	.37	3.23	.72	3.60	4.49	.10	.69	468	104
2836	30.1	433	1.41	18.58	.97	19.99	19.15	.07	2.82	659	34
2837	49.3	437	1.36	15.03	1.02	16.39	14.74	.08	2.34	642	44
2838	75.7	435	.21	2.30	.51	2.51	4.51	.08	.67	343	76
2839	79.8	435	.66	9.00	.57	9.66	15.79	.07	1.84	489	31
2840	106.7	436	1.73	18.82	.93	20.55	20.24	.08	3.22	584	29
2841	133.6	437	1.59	10.80	.98	12.39	11.02	.13	2.09	517	47
2842	162.8	436	.77	5.87	.84	6.64	6.99	.12	1.39	422	60
2843	194.5	431	.14	.67	.42	.81	1.60	.17	.41	163	102
2844	223.7	439	.34	1.60	.37	1.94	4.32	.18	.66	242	56
2845	250.6	436	.21	.88	.29	1.09	3.03	.19	.58	152	50
2846	274.6	438	.51	2.37	.38	2.88	6.24	.18	.95	249	40
2847	302.6	438	1.81	14.27	.94	16.08	15.18	.11	3.46	412	27
2848	311.8	433	.83	2.69	.27	3.52	9.96	.24	1.05	256	26
2849	373.9	437	.04	.02	.08	.06	.25	.67	0.00		
2850	399.9	403	.02	.02	.02	.04	1.00	.50	0.00		

FORMATION COXCO DOLOMITE

2851	486.0	274	.06	.04	.19	.10	.21	.60	0.00		
2852	505.0	308	.06	.05	.10	.11	.50	.55	0.00		

BASIN/AREA MCARTHUR

WELL/LOCALITY GR4

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ID	DEPTH M	TMAX DEG C	S1	S2 KG per TONNE	S3	S1+S2	S2/S3	PI	TOC %	HI	OI
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FORMATION BARNEY CREEK

2853	107.7	437	.13	.85	.02	.98	42.50	.13	.51	167	4
2854	129.5	437	.24	2.05	.03	2.29	68.33	.10	.77	266	4
2855	151.4	435	.15	.99	.01	1.14	99.00	.13	.59	168	2
2856	162.6	449	.32	.96	.26	1.28	3.69	.25	.41	234	63

FORMATION COXCO DOLOMITE

2857	227.8	457	.01	.01	0.00	.02	.	.50	0.00		
2858	228.9	345	.01	0.00	0.00	.01	.	1.00	0.00		

BASIN/AREA MCARTHUR

WELL/LOCALITY GRS

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ID	DEPTH M	TMAX DEG C	S1	S2 KG per TONNE	S3	S1+S2	S2/S3	PI	TOC %	HI	OI
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FORMATION BARNEY CREEK

2859	39.6	430	.12	1.37	.04	1.49	34.25	.08	.35	391	11
2860	54.0	433	.59	3.53	.39	4.12	9.05	.14	.73	484	53
2861	72.5	435	2.30	30.13	.79	32.43	38.14	.07	4.64	649	17
2862	95.9	438	1.46	12.52	.73	13.98	17.15	.10	2.31	542	32
2863	150.0	438	2.56	21.64	.88	24.20	24.59	.11	3.74	579	24
2864	177.9	439	1.06	6.83	.86	7.89	7.94	.13	1.53	446	56
2865	196.0	439	2.31	20.62	.94	22.93	21.94	.10	3.72	554	25
2866	213.9	434	3.39	24.83	1.03	28.22	24.11	.12	4.37	568	24
2867	257.4	442	.61	3.79	.64	4.40	5.92	.14	1.20	316	53
2868	281.0	434	.63	.91	.83	1.54	1.10	.41	.47	194	177
2869	306.3	439	.49	2.81	.55	3.30	5.11	.15	1.10	255	50
2870	324.4	430	.27	.65	.60	.92	1.08	.29	.44	148	136
2871	349.0	440	.37	1.11	.42	1.48	2.64	.25	.59	188	71
2872	377.1	438	.14	.22	.34	.36	.65	.39	0.00		
2873	400.8	437	.38	.99	.27	1.37	3.67	.28	.57	174	47
2874	426.0	438	.82	2.25	.35	3.07	6.43	.27	.98	230	36
2875	451.3	444	.58	1.30	.45	1.88	2.89	.31	.72	181	63
2876	470.6	444	.85	2.00	.39	2.85	5.13	.30	.95	211	41
2877	494.8	441	1.75	11.09	.50	12.84	22.18	.14	4.17	266	12
2878	512.3	445	.33	.88	.20	1.21	4.40	.27	.63	140	32

BASIN/AREA MCARTHUR

WELL/LOCALITY GR6

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ID	DEPTH M	TMAX DEG C	S1	S2 KG per TONNE	S3	S1+S2	S2/S3	PI	TOC %	HI	OI
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FORMATION UNCERTAIN

2879	33.1	438	.03	.09	0.00	.12	.	.25	0.00		
2880	40.8	325	.01	.01	0.00	.02	.	.50	0.00		
2881	74.2	436	.13	4.13	0.00	4.26	.	.03	1.46	283	0
2882	127.0	441	.01	.06	0.00	.07	.	.14	0.00		
2883	141.6	355	.01	0.00	.03	.01	0.00	1.00	0.00		
2884	149.0	229	0.00	0.00	0.00	0.00	.	.	0.00		
2885	176.3	241	.01	0.00	.02	.01	0.00	1.00	0.00		
2886	187.0	241	0.00	0.00	0.00	0.00	.	.	0.00		



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ID	DEPTH M	TMAX DEG C	S1	S2 KG per TONNE	S3	S1+S2	S2/S3	PI	TOC %	HI	OI
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FORMATION BARNEY CREEK

2887	38.7	436	.53	6.72	.09	7.25	74.67	.07	1.15	584	8
2888	41.8	439	.40	4.08	.15	4.48	27.20	.09	.86	474	17
2889	50.3	439	3.07	36.38	.69	39.45	52.72	.08	4.97	732	14
2890	77.2	437	.92	13.65	.46	14.57	29.67	.06	2.26	604	20
2891	101.6	436	2.03	24.00	.72	26.03	33.33	.08	3.69	650	20
2892	116.0	438	4.68	40.76	.62	45.44	65.74	.10	5.67	719	11
2893	126.4	438	1.83	10.14	.59	11.97	17.19	.15	1.69	600	35
2894	151.1	438	2.85	26.49	.72	29.34	36.79	.10	3.87	684	19
2895	180.0	442	4.85	53.27	.70	58.12	76.10	.08	7.34	726	10
2896	209.6	440	1.27	15.07	.51	16.34	29.55	.08	2.34	644	22
2897	238.8	441	3.54	33.17	.73	36.71	45.44	.10	5.17	642	14
2898	252.9	441	2.51	22.70	.58	25.21	39.14	.10	3.50	649	17
2899	276.9	440	.68	3.96	.64	4.64	6.19	.15	1.09	363	59
2900	293.5	438	1.13	10.88	.74	12.01	14.70	.09	2.10	518	35
2901	351.8	440	.26	1.78	.41	2.04	4.34	.13	.76	234	54
2902	377.0	442	.38	1.92	.51	2.30	3.76	.17	.78	246	65
2903	400.9	444	.13	.42	.42	.55	1.00	.24	0.00		
2904	426.7	443	.36	1.50	.37	1.86	4.05	.19	.70	214	53
2905	458.0	440	.20	.43	.37	.63	1.16	.32	0.00		
2906	479.9	442	.45	1.44	.37	1.89	3.89	.24	.72	200	51
2907	510.1	442	.57	1.92	.48	2.49	4.00	.23	.90	213	53
2908	524.7	441	.25	.64	.33	.89	1.94	.28	.46	139	72
2909	554.0	443	.71	1.71	.40	2.42	4.28	.29	.84	204	48
2910	581.4	444	.74	1.89	.42	2.63	4.50	.28	.76	249	55
2911	601.5	445	1.08	2.90	.54	3.98	5.37	.27	1.25	232	43
2912	664.6	443	1.45	3.77	.42	5.22	8.98	.28	1.59	237	26
2913	699.9	440	.72	1.02	.27	1.74	3.78	.41	.59	173	46
2914	722.8	413	.65	.64	.39	1.29	1.64	.50	.30	213	130
2915	731.6	449	.99	2.85	.40	3.84	7.13	.26	1.44	198	28
2916	759.8	444	.94	1.49	.44	2.43	3.39	.39	.86	173	51
2917	794.6	448	1.08	2.51	.51	3.59	4.92	.30	1.54	163	33
1673	805.9	444	1.20	2.53	.36	3.73	7.03	.32	2.12	119	17
2918	840.8	446	.46	.71	.36	1.17	1.97	.39	.58	122	62
1674	854.0	451	1.29	4.83	.59	6.12	8.19	.21	3.67	132	16
1675	858.7	451	1.25	3.89	.74	5.14	5.26	.24	3.38	115	22
2919	866.5	446	1.71	4.48	.62	6.19	7.23	.28	2.81	159	22
1676	875.8	446	1.12	2.49	.76	3.61	3.28	.31	2.57	97	30
2921	894.6	449	.49	.54	.48	1.03	1.13	.48	.70	77	69
2922	903.0	450	.23	.38	.27	.61	1.41	.38	0.00		
1677	906.2	432	.01	.03	.30	.04	.10	.25	0.00		

BASIN/AREA MCARTHUR

WELL/LOCALITY GR8

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ID	DEPTH M	TMAX DEG C	S1	S2 KG per TONNE	S3	S1+S2	S2/S3	PI	TOC %	HI	OI
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FORMATION BARNEY CREEK

2923	13.3	458	.06	.08	.15	.14	.53	.43	0.00		
2924	21.7	435	.60	7.85	.37	8.45	21.22	.07	1.63	482	23
2925	32.8	436	.30	5.19	.54	5.49	9.61	.05	1.19	436	45
2926	49.2	433	1.03	17.16	.93	18.19	18.45	.06	3.11	552	30
2927	63.7	435	.10	.99	.74	1.09	1.34	.09	.47	211	157
2928	99.0	425	.07	.15	.52	.22	.29	.32	0.00		
2929	109.1	438	.30	2.87	.38	3.17	7.55	.09	.88	326	43
2930	147.8	429	.08	.36	.44	.44	.82	.18	0.00		
2931	197.0	432	.20	.69	.41	.89	1.68	.22	.45	153	91
2932	226.4	437	.29	1.07	.38	1.36	2.82	.21	.54	198	70
2933	256.4	437	.39	1.69	.46	2.08	3.67	.19	.78	217	59
2934	273.0	434	.33	1.61	.49	1.94	3.29	.17	.77	209	64
2935	297.9	441	.39	1.97	.61	2.36	3.23	.17	.87	226	70
2936	326.0	439	.49	1.86	.72	2.35	2.58	.21	.90	207	80
2937	344.0	439	.50	2.22	.72	2.72	3.08	.18	.89	249	81
2938	349.3	440	.60	2.38	.77	2.98	3.09	.20	.97	245	79
2939	357.9	439	.49	1.77	.69	2.26	2.57	.22	.85	208	81
2940	368.0	440	.44	1.81	.62	2.25	2.92	.20	.94	193	66
2941	376.5	428	.15	.40	.11	.55	3.64	.27	0.00		
2942	403.4	443	.59	2.16	.23	2.75	9.39	.21	.99	218	23
2943	425.9	443	.60	2.12	.30	2.72	7.07	.22	1.00	212	30
2944	451.0	444	.79	2.36	.43	3.15	5.49	.25	1.13	209	38
2945	479.2	428	.09	.16	.27	.25	.59	.36	.13	123	208
2946	486.2	441	.59	1.40	.21	1.99	6.67	.30	.78	179	27
2947	503.1	443	.71	2.32	.25	3.03	9.28	.23	1.14	204	22
2948	519.3	446	.75	2.83	.28	3.58	10.11	.21	.53	534	53
2949	554.2	444	.79	1.64	.34	2.43	4.82	.33	.99	166	34
2950	570.8	444	1.24	7.36	.49	8.60	15.02	.14	4.18	176	12
2951	585.8	447	.51	1.11	.71	1.62	1.56	.31	.89	125	80

BASIN/AREA MCARTHUR

WELL/LOCALITY BR9

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ID	DEPTH M	TMAX DEG C	S1	S2 KG per TONNE	S3	S1+S2	S2/S3	PI	TOC %	HI	OI
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FORMATION BARNEY CREEK

2952	47.0	436	.48	9.31	.54	9.79	17.24	.05	1.73	538	31
2953	55.7	435	.26	2.35	.62	2.61	3.79	.10	.71	331	87
2954	79.1	434	1.88	28.14	1.13	30.02	24.90	.06	4.27	659	26
2955	96.3	435	1.48	24.44	1.05	25.92	23.28	.06	3.91	625	27
2956	124.1	437	.79	11.81	1.03	12.60	11.47	.06	2.18	542	47
2957	151.1	432	1.78	25.05	1.28	26.83	19.57	.07	4.14	605	31
2958	175.9	438	.61	5.45	1.16	6.06	4.70	.10	1.29	422	90
2959	201.6	440	.23	1.86	.81	2.09	2.30	.11	0.00		
2960	209.0	431	.07	.18	.60	.25	.30	.28	0.00		
2961	227.0	434	.17	.85	.57	1.02	1.49	.17	.49	173	116
2962	251.0	431	.10	.42	.42	.52	1.00	.19	0.00		
2963	277.4	435	.19	.70	.40	.89	1.75	.21	.46	152	87
2964	303.0	439	0.00	0.00	.11	0.00	0.00		.52	0	21
2965	337.8	436	.34	2.02	.02	2.36		.14	.79	256	3
2966	357.9	434	.15	.61	.13	.76	4.69	.20	.41	149	32
2967	375.9	440	.18	.56	.16	.74	3.50	.24	.38	147	42
2968	401.0	441	.30	1.29	.10	1.59	12.90	.19	.63	205	16
1678	422.2	442	.24	1.69	.37	1.93	4.57	.12	1.54	110	24
2969	464.0	444	.43	1.75	.18	2.18	9.72	.20	.88	199	20
1679	468.7	445	.32	2.51	.40	2.83	6.28	.11	1.92	131	21
1680	469.6	443	.42	2.09	.30	2.51	6.97	.17	1.37	153	22
1681	485.5	447	0.00	.02	.35	.02	.06	0.00	0.00		
2970	494.3	435	.83	3.18	.37	4.01	8.59	.21	1.19	267	31
1682	500.1	444	.81	6.51	.45	7.32	14.47	.11	3.57	182	13

BASIN/AREA MCARTHUR

WELL/LOCALITY GR10

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ID	DEPTH M	TMAX DEG C	S1	S2 KG per TONNE	S3	S1+S2	S2/S3	PI	TOC %	HI	OI
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FORMATION BARNEY CREEK

3047	23.2	425	.07	.08	0.00	.15	.	.47	0.00		
3048	37.4	433	.76	11.29	.18	12.05	62.72	.06	1.90	594	9
3049	51.9	437	.58	9.84	.34	10.42	28.94	.06	1.98	497	17
1808	80.1	435	1.83	17.82	.83	19.65	21.47	.09	4.31	413	19
1809	88.4	438	2.81	22.12	1.44	24.93	15.36	.11	4.43	499	33
1810	143.3	440	2.75	36.85	1.83	39.60	20.14	.07	6.06	608	30
1811	170.3	438	.70	7.17	1.91	7.87	3.75	.09	2.24	320	85
1812	182.8	438	1.56	23.13	2.06	24.69	11.23	.06	2.55	907	81
1813	232.8	438	2.70	30.10	2.27	32.80	13.26	.08	7.57	398	30
1814	252.1	438	2.53	27.78	2.46	30.31	11.29	.08	6.10	455	40
1815	291.0	433	1.28	3.09	2.45	4.37	1.26	.29	1.18	262	208
1830	297.2	441	.69	3.07	2.24	3.76	1.37	.18	1.76	174	127
1831	360.0	439	.12	.28	1.70	.40	.16	.30	.97	29	175
1832	410.0	441	.24	.62	1.34	.86	.46	.28	1.28	48	105
1833	443.0	444	.82	2.09	1.42	2.91	1.47	.28	1.85	113	77
1834	469.8	444	.42	1.49	1.41	1.91	1.06	.22	1.51	99	93
1835	481.4	446	.75	2.62	1.36	3.37	1.93	.22	2.13	123	64
1836	514.2	443	1.00	3.96	1.52	4.96	2.61	.20	2.87	138	53
1837	527.7	441	.37	.70	1.15	1.07	.61	.35	1.25	56	92
1838	548.9	443	.63	.67	1.20	1.30	.56	.48	1.04	64	115
1839	557.5	406	1.10	1.46	1.13	2.56	1.29	.43	.73	200	155
1840	559.9	454	.69	.52	.84	1.21	.62	.57	.88	59	95
1841	571.6	446	.77	2.50	.98	3.27	2.55	.24	2.21	113	44
1842	575.3	448	.69	2.33	.97	3.02	2.40	.23	2.26	103	43
1843	587.3	445	.74	1.34	1.03	2.08	1.30	.36	1.48	91	70
1844	597.1	443	1.05	1.93	.33	2.98	5.85	.35	1.55	125	21
1845	601.9	443	1.66	4.77	1.10	6.43	4.34	.26	3.89	123	28
1846	602.5	443	1.58	5.94	.98	7.52	6.06	.21	4.46	133	22
1847	609.5	441	1.91	3.66	1.39	5.57	2.63	.34	3.20	114	43
1848	621.5	442	.71	.58	1.32	1.29	.44	.55	.87	67	152
1849	630.0	447	.68	.90	1.08	1.58	.83	.43	1.37	66	79
1850	638.7	446	1.49	1.45	.95	2.94	1.53	.51	1.73	84	55
1851	644.1	460	.14	.11	.96	.25	.11	.56	.34	32	282
1852	645.9	454	.92	1.78	1.57	2.70	1.13	.34	1.84	97	85
1853	646.9	459	.90	1.55	.95	2.45	1.63	.37	1.29	120	74
1854	652.5	463	.27	.47	.54	.74	.87	.36	.52	90	104
1855	662.1	466	.82	2.03	.27	2.85	7.52	.29	1.14	178	24
1856	668.5	470	0.00	.01	.09	.01	.11	0.00	.11	9	82

BASIN/AREA MCARTHUR

WELL/LOCALITY GR11

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ID	DEPTH M	TMAX DEG C	S1	S2 K6 per TONNE	S3	S1+S2	S2/S3	PI	TOC %	HI	OI
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FORMATION BARNEY CREEK

1857	96.9	436	.20	1.25	0.00	1.45	.	.14	1.22	102	0
1858	118.3	429	.04	.18	0.00	.22	.	.18	.33	55	0
1859	132.0	433	.16	.50	0.00	.66	.	.24	.77	65	0
1860	178.9	438	.45	2.53	.03	2.98	84.33	.15	1.90	133	2
1861	202.8	435	.53	2.54	.32	3.07	7.94	.17	2.57	99	12
1862	204.4	430	.23	.91	.41	1.14	2.22	.20	1.32	69	31
1863	229.6	437	.35	1.49	.50	1.84	2.98	.19	1.61	93	31
1864	247.7	439	.59	2.81	.54	3.40	5.20	.17	2.09	134	26
1865	253.8	442	.60	3.27	.69	3.87	4.74	.16	2.15	152	32
1866	266.2	441	.38	1.64	.72	2.02	2.28	.19	1.61	102	45
1867	272.1	437	.50	2.24	.85	2.74	2.64	.18	2.14	105	40
1869	299.2	437	.20	.93	0.00	1.13	.	.18	1.09	85	0
1870	317.8	444	.45	1.62	.11	2.07	14.73	.22	1.66	98	7
1871	336.3	438	.28	1.36	0.00	1.64	.	.17	1.35	101	0
1872	339.4	446	.39	1.40	.16	1.79	8.75	.22	1.44	97	11
1873	347.3	443	.77	2.34	.31	3.11	7.55	.25	1.80	130	17
1874	350.4	420	.28	1.11	.39	1.39	2.85	.20	.60	185	65
1875	378.3	443	.31	1.23	.08	1.54	15.38	.20	1.39	88	6
1876	382.1	446	.45	.91	.12	1.36	7.58	.33	1.48	61	8
1877	387.5	448	.59	2.21	.11	2.80	20.09	.21	1.80	123	6
1878	410.2	442	.88	2.46	.15	3.34	16.40	.26	2.71	91	6
1879	412.8	437	1.04	2.31	.49	3.35	4.71	.31	1.87	124	26
1880	415.2	446	1.12	6.41	.46	7.53	13.93	.15	5.38	119	9
1881	422.2	434	.09	.11	.44	.20	.25	.45	.50	22	88
1882	424.3	446	.52	1.36	.33	1.88	4.12	.28	1.64	83	20
1883	426.1	436	.12	.18	.13	.30	1.38	.40	.45	40	29
1884	434.1	449	.61	1.17	.11	1.78	10.64	.34	0.00		
1885	437.2	449	.63	1.14	.12	1.77	9.50	.36	1.60	71	8
1886	438.2	447	.07	.11	0.00	.18	.	.39	.42	26	0
1887	441.9	452	.66	1.02	.05	1.68	20.40	.39	1.70	60	3
1888	443.2	455	.19	.33	0.00	.52	.	.37	1.13	29	0

BASIN/AREA MCARTHUR

WELL/LOCALITY MCAS

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ID	DEPTH M	TMAX DEG C	S1	S2 KG per TONNE	S3	S1+S2	S2/S3	PI	TOC %	HI	OI
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FORMATION BARNEY CREEK

3025	59.4	446	.36	.92	.09	1.28	10.22	.28	.99	93	9
3026	74.0	449	.72	1.39	.14	2.11	9.93	.34	1.72	81	8
3027	138.2	441	.10	.14	.05	.24	2.80	.42	0.00		
3028	206.0	444	.15	.11	.03	.26	3.67	.58	0.00		
3029	265.0	428	.79	.61	.06	1.40	10.17	.56	.98	62	6
3030	306.4	438	.54	.50	.07	1.04	7.14	.52	1.22	41	6
3031	357.4	463	.46	.36	0.00	.82	.	.56	0.00		

BASIN/AREA NCARTHUR

WELL/LOCALITY MCA10

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ID	DEPTH M	TMAX DEG C	S1	S2 KG per	S3 TONNE	S1+S2	S2/S3	PI	TOC %	HI	OI
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FORMATION BARNEY CREEK

3032	27.8	458	.47	1.13	.05	1.60	22.60	.29	4.05	28	1
3033	36.6	445	.17	.15	.03	.32	5.00	.53	0.00		

BASIN/AREA MCARTHUR

WELL/LOCALITY MM6

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ID	DEPTH M	TMAX DEG C	S1	S2 KG per TONNE	S3	S1+S2	S2/S3	PI	TOC %	HI	OI
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FORMATION BARNEY CREEK

3034	104.2	462	.61	.46	.08	1.07	5.75	.57	1.22	38	7
3035	200.8	484	.64	.50	.12	1.14	4.17	.56	1.87	27	6
3036	294.0	450	.02	.04	.03	.06	1.33	.33	0.00		
3037	423.6	415	.03	.10	.01	.13	10.00	.23	0.00		
3038	519.3	334	.02	.04	0.00	.06	.	.33	0.00		



BASIN/AREA MCARTHUR

WELL/LOCALITY BB2

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ID	DEPTH M	TMAX DEG C	S1	S2 KG per TONNE	S3	S1+S2	S2/S3	PI	TOC %	HI	OI
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FORMATION REMARD DOLOMITE

3039	72.0	451	.26	.34	.08	.60	4.25	.43	0.00		
3040	163.5	475	.27	.27	.03	.54	9.00	.50	0.00		

FORMATION BARNEY CREEK

3041	273.3	481	.11	.18	0.00	.29	.	.38	0.00		
3042	374.0	500	.18	.66	0.00	.84	.	.21	3.32	20	0

BASIN/AREA NCARTHUR

WELL/LOCALITY BB5

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ID	DEPTH M	TMAX DEG C	S1	S2 KG per TONNE	S3	S1+S2	S2/S3	PI	TOC %	HI	OI
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FORMATION REMARD DOLOMITE

3043	70.0	429	.18	.74	.16	.92	4.63	.20	1.49	50	11
3044	177.9	446	.28	.22	.16	.50	1.38	.56	0.00		

FORMATION BARNEY CREEK

3045	249.2	447	.24	.24	.07	.48	3.43	.50	0.00		
3046	314.1	445	.53	.69	.01	1.22	69.00	.43	1.67	41	1

BASIN/AREA MCARTHUR

WELL/LOCALITY BJ1

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ID	DEPTH M	TMAX DEG C	S1	S2 KG per TONNE	S3	S1+S2	S2/S3	PI	TOC %	HI	OI
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FORMATION LYNOTT

2974	18.2	453	.16	.17	.13	.33	1.31	.48	.48	35	27
2975	24.2	456	.53	1.17	.10	1.70	11.70	.31	2.47	47	4

FORMATION BARNEY CREEK

2976	30.6	454	.61	1.33	.48	1.94	2.77	.31	1.90	70	25
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BASIN/AREA MCARTHUR

WELL/LOCALITY BJ3

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ID	DEPTH M	TMAX DEG C	S1	S2 KG per TONNE	S3	S1+S2	S2/S3	PI	TOC %	HI	OI
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FORMATION LYNOTT

2977	26.5	458	2.08	3.53	1.15	5.61	3.07	.37	4.57	77	25
2978	45.9	464	.39	.58	.98	.97	.59	.40	1.54	38	64

FORMATION BARNEY CREEK

2979	62.8	454	.48	1.50	.82	1.98	1.83	.24	2.89	52	28
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BASIN/AREA MCARTHUR

WELL/LOCALITY BJ6

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ID	DEPTH M	TMAX DEG C	S1	S2 KG per TONNE	S3	S1+S2	S2/S3	PI	TOC %	HI	OI
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FORMATION BARNEY CREEK

2980	171.1	442	.06	.06	.76	.12	.08	.50	0.00		
2981	194.0	398	.07	.08	.69	.15	.12	.47	.81	10	85

BASIN/AREA MCARTHUR

WELL/LOCALITY MY4

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ID	DEPTH M	TMAX DEG C	S1	S2 KG per	S3 TONNE	S1+S2	S2/S3	PI	TOC %	HI	OI
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FORMATION BARNEY CREEK

3013	20.4	437	.22	1.43	.11	1.65	13.00	.13	1.21	118	9
3014	56.1	440	.56	2.56	.30	3.12	8.53	.18	1.79	143	17
3015	79.4	445	.40	1.46	.39	1.86	3.74	.22	1.33	110	29

BASIN/AREA MCARTHUR

WELL/LOCALITY NY5

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ID	DEPTH M	TMAX DEG C	S1	S2 KG per TONNE	S3	S1+S2	S2/S3	PI	TOC %	HI	OI
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FORMATION REWARD DOLOMITE

3016	66.9	442	.21	1.23	.95	1.44	1.29	.15	.63	195	151
3017	67.2	441	.89	10.50	1.07	11.39	9.81	.08	3.65	288	29

FORMATION BARNEY CREEK

3018	288.0	446	.33	.54	.59	.87	.92	.38	.74	73	80
3019	330.7	436	.31	.42	.26	.73	1.62	.42	.69	61	38

BASIN/AREA MCARTHUR

WELL/LOCALITY L1

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ID	DEPTH M	TMAX DEG C	S1	S2 KG per TONNE	S3	S1+S2	S2/S3	PI	TOC %	HI	OI
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FORMATION LYNOTT

3020	21.4	511	.10	.15	.16	.25	.94	.40	0.00		
3021	156.8	420	.09	.06	.13	.15	.46	.60	0.00		
3022	271.4	323	.04	.02	0.00	.06	.	.67	0.00		

FORMATION BARNEY CREEK

3023	408.5	517	.06	.15	0.00	.21	.	.29	0.00		
3024	500.0	516	.07	.26	0.00	.33	.	.21	0.00		

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BASIN/AREA MCARTHUR

WELL/LOCALITY MA/NT/79

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ID	DEPTH M	TMAX DEG C	S1	S2 KG per TONNE	S3	S1+S2	S2/S3	PI	TDC %	H1	O1
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FORMATION

3009	24.2	467	.23	.27	.41	.50	.66	.46	1.63	17	25
3010	151.2	469	.07	.14	.16	.21	.88	.33	0.00		
3011	279.8	449	.05	.11	.24	.16	.46	.31	1.07	10	22
3012	349.8	427	.08	.11	.25	.19	.44	.42	1.82	6	14