

Total Organic Carbon, Rock-eval Pyrolysis, and Vitrinite Reflectance
Geochemical Data for the following three Cook Inlet Basin Wells:

Phillips Petroleum Company North Cook Inlet Unit A-12;
Pan American Cook Inlet State 17589 No. 1; and
Pan American USA Big Lake No. 1

12 July 1985

Total of 4 pages in report

N. COOK INLET #A-12
 UPPER COOK INLET, ALASKA

TDEPTH FT	BDEPTH FT	TOC %	PYROLYSIS DATA				VR %
			S1	S2	S3	TMX	
12000	12100	19.27	1.42	39.08	9.67	423	-1
12100	12200	4.08	0.33	5.51	5.12	430	0.60
12200	12300	6.98	0.66	17.26	3.56	429	-1
12300	12400	6.55	0.48	10.51	3.65	425	0.59
12400	12500	5.37	0.46	9.84	2.40	430	-1
12500	12600	3.22	0.38	5.08	2.05	431	-1
12600	12700	4.91	0.50	9.32	2.36	427	-1
12700	12800	17.50	1.40	32.26	6.63	427	0.63
12800	12900	8.60	0.69	19.30	3.99	425	-1
12900	13000	5.27	0.45	8.79	3.14	430	0.64
13000	13100	9.73	0.76	20.21	3.49	426	-1
13100	13200	3.90	0.28	4.86	2.05	430	0.57
13200	13300	6.68	0.30	7.50	3.26	429	-1
13300	13400	15.94	1.01	28.88	6.26	426	0.63
13400	13500	9.40	0.73	17.59	3.96	427	-1
13500	13600	22.63	1.36	36.57	8.08	427	0.60
13600	13700	14.63	1.31	27.70	5.47	428	-1
13700	13800	13.68	1.11	23.18	5.40	426	0.64
13800	13900	26.01	2.34	51.85	8.04	427	-1
13900	14000	13.72	1.15	26.62	4.74	427	-1
14000	14100	19.03	1.92	46.46	6.34	425	-1
14100	14200	2.49	0.20	3.22	1.01	432	0.57
14200	14300	9.86	2.29	17.30	5.11	425	-1
14300	14400	7.50	1.56	12.61	3.66	429	0.57
14400	14500	6.80	0.57	8.48	3.22	428	-1
14500	14600	2.25	0.29	2.64	1.93	431	0.59
14600	14700	2.30	0.16	2.31	1.93	435	-1
14700	14800	5.94	0.66	9.28	2.12	431	0.62
14800	14900	1.40	0.09	0.97	1.04	436	-1

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Cook Inlet
#66

PAN AM STATE 17589 #1A
COOK INLET, ALASKA

TDEPTH FT	BDEPTH FT	TOC %	PYROLYSIS DATA				VR %
			S1	S2	S3	TMX	
3010	3130	2.12	0.54	2.87	5.25	429	-1
3130	3250	5.58	1.86	10.04	8.71	424	0.34
3250	3370	23.92	10.07	44.07	24.53	405	-1
3370	3490	16.18	5.52	28.31	16.99	418	0.35
3490	3610	4.97	1.53	8.15	6.74	427	-1
3610	3730	1.03	0.24	0.72	4.51	437	0.36
3730	3850	4.39	0.72	5.23	11.48	426	-1
3850	3970	8.77	1.36	12.90	10.32	425	0.31
3970	4090	6.21	1.12	8.59	7.95	426	-1
4090	4210	21.48	4.76	34.79	22.14	415	0.32
4210	4330	10.87	2.36	21.56	12.40	425	-1
4330	4450	15.03	3.53	27.55	14.89	421	0.35
4450	4570	16.87	4.17	30.31	16.73	417	-1
4570	4690	16.10	2.98	25.29	16.66	419	0.34
4690	4810	5.71	1.19	11.62	6.51	430	-1
4810	4930	9.35	1.70	15.65	10.19	423	0.34
4930	5050	6.84	1.11	10.75	8.37	426	-1
5050	5170	16.82	3.26	27.51	16.64	413	0.35
5170	5290	20.63	3.13	30.14	20.54	416	-1
5290	5410	11.86	2.30	18.65	14.36	422	0.36
5410	5530	14.12	2.05	21.15	18.37	420	-1
5530	5630	20.81	3.19	28.84	22.54	414	0.38
5650	5770	24.42	3.29	31.69	26.50	415	-1
5770	5890	17.34	1.94	19.43	19.07	417	0.37
5890	6010	21.13	2.59	29.36	22.83	419	-1
6010	6130	25.58	3.41	36.86	25.11	418	0.43
6130	6250	26.61	4.05	36.23	25.57	416	-1
6250	6370	18.55	3.57	28.62	17.72	417	0.47
6370	6490	16.91	1.66	18.74	19.05	419	-1
6490	6610	13.14	1.08	14.87	15.22	421	0.48
6610	6730	15.10	1.85	18.45	16.76	418	-1
6730	6850	26.40	3.87	33.59	27.75	419	0.45
6850	6970	27.18	4.63	43.48	26.52	421	-1
6970	7090	22.32	3.04	24.31	28.11	421	0.47
7090	7210	16.08	2.05	22.55	18.86	420	-1
7210	7300	29.24	3.65	34.76	31.80	420	0.47
7600	7720	29.03	3.23	38.78	27.80	416	-1
7720	7840	23.46	2.65	32.15	22.43	418	0.48
7840	7960	31.87	3.83	42.54	29.03	417	-1
7960	8080	32.06	3.15	37.47	29.98	419	0.45
8080	8200	34.39	4.23	43.33	30.46	417	-1
8200	8320	33.55	4.23	52.27	27.85	419	0.46
8320	8440	20.79	1.82	25.20	19.19	419	-1
8440	8560	34.93	3.25	48.31	28.95	420	0.49
8560	8680	30.87	3.02	43.25	24.00	416	-1
8680	8780	31.31	3.55	50.65	22.69	418	0.50
8780	8880	24.92	3.02	38.62	21.47	419	-1
8880	8980	32.00	3.67	51.51	23.86	419	0.49
8980	9080	36.94	3.85	52.11	22.27	421	-1
9080	9180	27.82	2.30	38.46	19.82	421	0.51
9180	9280	31.21	3.05	47.03	18.90	419	-1
9280	9380	33.00	3.26	47.74	20.08	418	0.53
9380	9480	30.81	3.42	49.01	21.04	418	-1
9480	9580	26.78	2.44	37.72	16.84	419	0.51

I am writing concerning the geochemical analysis of samples from the PAN AMERICAN-North Cook Inlet State 17589 1A well. Originally, geochemical analysis of samples from 1600-12,200 feet was planned. The samples from 1600-3010 feet, however, appeared to be barren of organic matter (samples were predominantly loose gravel) and consequently were not analyzed. This decision is believed to have prevented analysis of sample material which would not have had any geochemical significance.

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9580	9780	19.88	1.79	26.62	12.84	420	0.52
9780	9880	24.46	2.26	40.14	14.01	420	-1
9880	9980	39.34	4.90	72.75	20.36	421	0.50
9980	10080	26.14	2.77	41.16	14.91	418	-1
10080	10180	14.88	1.41	26.98	7.84	422	0.49
10180	10280	3.65	0.41	6.11	2.83	426	-1
10280	10380	9.77	1.18	16.86	4.99	426	0.55
10380	10480	9.98	0.76	17.13	5.94	421	-1
10480	10580	28.64	3.66	66.15	12.61	417	0.55
10580	10680	14.32	1.18	25.09	7.93	416	-1
10680	10780	3.74	0.53	6.32	2.89	422	0.51
10780	10880	0.88	0.24	0.71	1.12	423	-1
10880	10980A	36.29	4.08	74.90	17.16	419	0.60
10880	10980B	1.17	0.32	0.98	3.12	423	-1
10980	11080	26.88	2.40	63.06	11.32	420	0.50
11080	11180	5.06	1.81	7.47	2.99	424	-1
11180	11280	6.94	0.77	8.93	6.25	423	0.56
11280	11380	0.94	0.28	0.74	1.72	426	-1
11380	11480	4.56	0.70	9.54	2.56	423	0.54
11480	11580	1.13	0.21	0.85	2.18	429	-1
11580	11680	8.06	0.74	14.96	3.92	426	0.60
11680	11780	3.68	0.33	5.43	2.07	427	-1
11780	11880	7.48	0.72	15.90	3.64	423	0.58
11880	11980	4.19	0.44	7.25	4.04	428	-1
11980	12080	5.16	0.59	9.59	2.93	425	0.60
12080	12180	8.28	1.48	22.46	3.62	424	-1
12180	12220	2.58	0.61	4.21	3.16	426	0.63

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 PAN AM BIG LAKE #1
 UPPER COCK INLET, ALASKA

TODEPTH FT	BDEPTH FT	TOC %	PYROLYSIS DATA				VR %
			S 1	S 2	S 3	TMX	
0	97	.18	-1	-1	-1	-1	-1
106	227	.17	-1	-1	-1	-1	-1
227	317	.18	-1	-1	-1	-1	-1
317	414	.24	-1	-1	-1	-1	0.48
414	510	.24	-1	-1	-1	-1	-1
510	500	.06	-1	-1	-1	-1	-1
600	590	.47	.04	.21	.39	437	-1
690	780	.13	-1	-1	-1	-1	0.48
780	870	.18	-1	-1	-1	-1	-1
870	960	.20	-1	-1	-1	-1	0.48
960	1100	7.26	.42	10.90	7.57	423	-1
1100	1190	3.17	.08	2.05	5.58	425	0.42
1190	1280	2.02	.08	1.67	3.76	422	-1
1280	1370	1.25	.05	.34	4.70	428	-1
1370	1460	10.17	.73	12.75	6.65	429	0.46
1460	1550	22.44	.96	26.15	13.25	427	0.56
1550	1540	5.91	.23	5.69	4.12	431	0.51
1640	1730	9.24	.99	22.85	4.25	424	0.48
1730	1820	3.86	.05	.93	3.70	431	-1
1820	1910	4.32	.19	4.31	3.22	429	0.47
1910	2000	1.63	.06	.88	3.02	427	-1
2000	2090	9.96	.58	15.08	5.84	423	0.47
2090	2180	12.61	.56	13.77	12.97	419	-1
2180	2270	16.74	1.17	21.16	18.04	419	0.49
2270	2360	13.43	.65	20.15	12.62	416	-1
2360	2450	21.78	1.61	27.63	19.02	423	0.52
2450	2540	13.67	.47	8.27	12.38	430	-1
2540	2630	21.86	.83	19.65	17.35	425	0.55
2630	2720	8.60	.34	11.52	6.73	423	-1
2720	2810	10.49	.33	12.23	8.70	421	0.49
2810	2900	1.74	.04	.63	2.52	432	-1
2900	2990	9.03	.25	8.98	7.20	427	0.55
2990	3080	9.38	.20	7.82	7.30	429	-1
3080	3170	11.82	.26	10.02	11.37	426	0.50
3170	3260	8.70	.25	10.91	6.79	423	-1
3260	3350	21.22	.60	25.78	16.66	424	0.56
3350	3440	16.68	.70	22.72	17.38	427	-1
3440	3530	16.82	.62	22.72	17.03	425	0.49
3530	3605	9.48	.41	11.99	8.12	424	-1
3670	3760	18.81	.60	18.46	15.69	428	0.55
3760	3850	5.13	.13	4.70	4.97	430	-1
3850	3940	6.63	.18	6.14	5.67	431	0.56
3940	4030	15.54	.68	20.52	9.82	427	0.58
4030	4120	4.12	.14	5.70	2.84	429	0.57
4120	4210	.43	-1	-1	-1	-1	-1
4210	4300	1.06	.04	.61	.92	432	-1

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