Original- do not give out

TOTAL ORGANIC CARBON,

ROCK EVAL PYROLYSIS,

VITRONITE REFLECTANCE

- Humble/Shell Bear Creek #1
- Amoco David River #1-A

January, 1983

BEAR CREEK 1A ALASKA

PYROLYSIS DATA

DEPTH RANGE FEET	TOTAL ORGANIC CARBON WEIGHT %	S1 PEAK MG.HC/ G.ROCK	S2 PEAK MG.HC/ G.ROCK	PRODUCTION INDEX S1/(S1+S2)	TEH/TOC MG.HC/ G.ORG.C	HYDROGEN INDEX MG.HC/G.ORG.C		
500- 700	0.52	0.190	0.470	0.29	36.5	90.4	CUT	EP82ENS
700- 900	0.39	0.0	0.0	0.0	0.0	0.0	CUT	EP82ENT
900- 1100	0.58	0.130	0.310	0.30	22.4	53.4	CUT	EP82ENU
1100- 1300	0.40	0.0	0.0	0.0	0.0	0.0	CUT	EP82ENV
1300- 1500	0.88	0.160	1.400	0.10	18.2	159.1	CUT	EP82ENW
1500- 1700	1.20	0.310	3.750	0.08	25.8	312.5	CUT	EP82EN-
1700- 1900	1.60	0.380	6.170	0.06	23.7	385.6	CUT	EP82ENY
1900- 2100	1.46	0.360	3.870	0.09	24.7	265.1	CUT	EP82ENZ
2100- 2200	1.34	0.390	4.450	0.08	29.1	332.1	CUT	EP82E0A
2200- 2300	2.23	0.680	12.830	0.05	30.5	575.3	CUT	EP82E0B
2300- 2400	1.37	0.430	4.740	0.08	31.4	346.0	CUT	EP82E0C
2400- 2500	1.16	0.370	3.660	0.09	31.9	315.5	CUT	EP82E0D
2500- 2600	0.86	0.0	0.0	0.0	0.0	0.0	CUT	EP82E0E
2600- 2700	1.03	0.310	2.580	0.11	33.1	250.5	CUT	EP82E0F
2700- 2800	0.87	0.0	0.0	0.0	0.0	0.0	CUT	EP82E0G
2800- 2900	1.05	0.350	3.270	0.10	33.3	311.4	CUT	EP82E0H
2900- 3000	1.22	0.410	5.060	0.07	33.6	414.8	CUT	EP82E0I
3000- 3100	1.03	0.320	3.750	0.08	31.1	364.1	CUT	EP82E0J
3100- 3200	1.63	0.490	8.050	0.06	30.1	493.9	CUT	EP82E0K
3200- 3300	1.05	0.420	4.560	0.08	40.0	434.3	CUT	EP82E0L
3300- 3400	0.79	0.0	0.0	0.0	0.0	0.0	CUT	EP82E0M
3400- 3500	1.18	0.490	5.840	0.08	41.5	494.9	CUT	EP82E0N
3500- 3600	1.46	0.410	7.180	0.05	28.1	491.8	CUT	EP82E0O
3600- 3700	1.03	0.300	3.180	0.09	29.1	308.7	CUT	EP82E0P
3700- 3800	1.37	0.350	5.140	0.06	25.5	375.2	CUT	EP82E0Q
3800- 3900	1.37	0.450	5.410	0.08	32.8	394.9	CUT	EP82E0R
3900- 4000	1.14	0.400	3.840	0.09	35.1	336.8	CUT	EP82E0S
4350- 4450	1.39	0.560	4.230	0.12	40.3	304.3	CUT	EP82E0T
4500- 4700	0.54	0.0	0.0	0.0	0.0	0.0	CUT	EP82E0U
4700- 4900	0.51	0.0	0.0	0.0	0.0	0.0	CUT	EP82E0V
4900- 5100	1.50	0.550	6.360	0.08	36.7	424.0	CUT	EP82E0W
5100- 5300	0.89	0.220	2.800	0.07	24.7	314.6	CUT	EP82E0X
5300- 5500	0.89	0.250	2.500	0.09	28.1	280.9	CUT	EP82E0Y
5500- 5700	0.70	0.290	1.780	0.14	41.4	254.3	CUT	EP82E0Z
5700- 5900	0.62	0.0	0.0	0.0	0.0	0.0	CUT	EP82EPA
5900- 6100	0.84	0.520	2.150	0.19	61.9	256.0	CUT	EP82EPB
6600- 6700	0.51	0.0	0.0	0.0	0.0	0.0	CUT	EP82EPC
6900- 7000	0.62	0.0	0.0	0.0	0.0	0.0	CUT	EP82EPD
7400- 7600	0.76	0.320	1.820	0.15	42.1	239.5	CUT	EP82EPE
7600- 7800	0.62	0.0	0.0	0.0	0.0	0.0	CUT	EP82EPF
7900- 8000	0.35	0.0	0.0	0.0	0.0	0.0	CUT	EP82EPG
8000- 8200	0.45	0.0	0.0	0.0	0.0	0.0	CUT	EP82EPH
8200- 8400	0.49	0.0	0.0	0.0	0.0	0.0	CUT	EP82EPI
8400- 8600	0.35	0.0	0.0	0.0	0.0	0.0	CUT	EP82EPJ
8600- 8800	0.70	0.400	1.240	0.24	57.1	177.1	CUT	EP82EPK
8800- 9000	0.43	0.0	0.0	0.0	0.0	0.0	CUT	EP82EPL
9000- 9200	0.49	0.0	0.0	0.0	0.0	0.0	CUT	EP82EPM
9200- 9400	0.39	0.0	0.0	0.0	0.0	0.0	CUT	EP82EPN
9400- 9600	0.60	0.0	0.0	0.0	0.0	0.0	CUT	EP82EPO
9750- 9850	0.45	0.0	0.0	0.0	0.0	0.0	CUT	EP82EPR

10000-10100	0.39	0.0	0.0	0.0	0.0	0.0	CUT	EP82EPS
10100-10200	0.70	0.350	0.380	0.46	50.0	54.3	CUT	EP82EPT
10960-10610	0.54	0.0	0.0	0.0	0.0	0.0	CUT	EP82EPU
11000-11200	1.13	0.740	0.660	0.53	65.5	58.4	CUT	EP82EPV
11200-11400	1.21	0.600	0.530	0.53	49.6	43.8	CUT	EP82EPW
11400-11600	0.95	0.520	0.570	0.48	54.7	60.0	CUT	EP82EP[illegible]
11600-11800	0.27	0.0	0.0	0.0	0.0	0.0	CUT	EP82EPY
11800-12000	1.39	0.500	0.350	0.59	38.5	26.9	CUT	EP82EPZ
12000-12200	0.58	0.0	0.0	0.0	0.0	0.0	CUT	EP82EQA
12200-12400	0.87	0.240	0.230	0.51	27.6	26.4	CUT	EP82EQB
12400-12600	0.93	0.200	0.200	0.50	21.5	21.5	CUT	EP82EQC
12600-12800	0.65	0.320	0.220	0.59	37.6	25.9	CUT	EP82EQD
12800-13000	0.74	0.210	0.110	0.66	28.4	14.9	CUT	EP82EQE
13000-13200	1.09	0.300	0.190	0.61	27.5	17.4	CUT	EP82EQF
13200-13400	1.13	0.390	0.250	0.61	34.5	22.1	CUT	EP82EQG
13400-13600	1.19	0.370	0.300	0.55	31.1	25.2	CUT	EP82EQH
13600-13800	1.04	0.240	0.190	0.56	23.1	18.3	CUT	EP82EQI
13800-14000	0.99	0.130	0.140	0.48	13.1	14.1	CUT	EP82EQJ
14000-14200	1.04	0.320	0.200	0.62	30.8	19.2	CUT	EP82EQK
14200-14345	1.27	0.290	0.200	0.59	22.8	15.7	CUT	EP82EQL

Bear Creek 1A Alaska

DAVID RIVER 1A, ALASKA

PYROLYSIS DATA

DEPTH RANGE FEET	TOTAL ORGANIC CARBON WEIGHT %	S1 PEAK MG.HC/ G.ROCK	S2 PEAK MG.HC/ G.ROCK	PRODUCTION INDE S1/(S1+S2)	TEH/TOC MG.HC/ G.ORG.C	HYDROGEN INDEX MG.HC/G.ORG.C		
12[illegible]-1230[illegible]	0.71	0.140	0.190	0.42	19.7	26.8	CUT	EP82EQM
12300-12400	0.47	0.0	0.0	0.0	0.0	0.0	CUT	EP82EQN
12400-12500	0.45	0.210	0.100	0.68	46.7	22.2	CUT	EP82EQO
12600-12700	0.20	0.0	0.0	0.0	0.0	0.0	CUT	EP82EQP
12700-12800	0.30	0.0	0.0	0.0	0.0	0.0	CUT	EP82EQQ
12800-12900	0.22	0.0	0.0	0.0	0.0	0.0	CUT	EP82EQR
12900-13000	0.39	0.0	0.0	0.0	0.0	0.0	CUT	EP82EQS
13000-13100	0.30	0.0	0.0	0.0	0.0	0.0	CUT	EP82EQT
13100-13200	0.47	0.160	0.160	0.5[illegible]	34.0	34.0	CUT	EP82EQU
13200-13300	0.32	0.0	0.0	0.0	0.0	0.0	CUT	EP82EQV
13300-13400	0.28	0.0	0.0	0.0	0.0	0.0	CUT	EP82EQW
13400-13500	0.32	0.0	0.0	0.0	0.0	0.0	CUT	EP82EQ[illegible]
13500-13541	0.30	0.0	0.0	0.0	0.0	0.0	CUT	EP82EQY
13600-13700	0.29	0.0	0.0	0.0	0.0	0.0	CUT	EP82EQZ
13700-13768	0.22	0.0	0.0	0.0	0.0	0.0	CUT	EP82ERA

SHELL-HUMBLE BEAR CREEK 1
VITRINITE REFLECTANCE DATA
ANALYZED BY: PHILLIPS PETROLEUM COMPANY JAN. 1983

INTERVAL (FEET) TOP	BSE	Ro
100	290	
300	600	0.47
600	900	0.50
900	1100	0.51
1100	1300	0.41
1300	1500	0.48
1500	1700	0.49
1700	1800	0.47
1800	2060	0.49
2100	2200	0.49
2200	2300	0.45
2300	2400	0.47
2400	2500	0.46
2500	2600	0.46
2600	2700	0.48
2700	2800	0.46
2800	2900	0.47
2900	3000	0.47
3000	3100	0.47
3100	3200	0.47
3200	3300	0.46
3300	3400	0.47
3400	3500	0.50
3500	3600	0.46
3600	3700	0.47
3700	3800	0.47
3800	3900	0.49
3900	4200	0.47
3900	4200	0.47
4200	4500	0.49
4500	4700	0.47
4700	4900	0.49
4900	5100	0.51
5100	5300	
5300	5500	0.50
5500	5700	0.54
5700	5900	0.47

INTERVAL (FEET) TOP	BSE	Ro
5900	6100	0.51
6100	6300	
6300	6600	0.47
6600	6900	
6900	7200	0.55
7200	7600	0.55
7600	7800	0.68
7800	8100	0.80
8100	8200	0.82
8200	8400	0.81
8400	8600	
8600	8800	0.83
8800	9000	
9000	9200	0.83
9200	9400	0.89
9400	9600	0.87
9600	9900	0.85
9900	10200	0.93
10200	10500	
10500	10800	
10800	11200	
11200	11400	1.00
11400	11600	0.95
11600	11800	
11800	12000	1.01
12000	12200	1.02
12200	12400	1.00
12400	12600	0.98
12600	12800	1.11
12800	13000	0.88
13000	13200	1.03
13200	13400	0.98
13400	13600	
13600	13800	
13800	14000	1.13
14000	14200	1.04
14200	14345	1.06

AMOCO DAVID RIVER 1-A
VITRINITE REFLECTANCE DATA
ANALYZED BY: PHILLIPS PETROLEUM COMPANY JAN. 1983

INTERVAL (FEET) TOP	BSE	Ro
12200	12300	0.59
12300	12400	0.62
12400	12500	
12600	12700	
12700	12800	
12800	12900	
12900	13000	0.74
13000	13100	0.72
13100	13200	0.73
13200	13300	0.75
13300	13400	0.79
13400	13500	0.76
13500	13540	0.77
13600	13700	
13700	13768	