

(200)
R290
no. 1592

TABLE 1 - Analyses of outcrop samples of coal beds in T. 6 S., R. 51 W., U.P.M., near Cape Beaufort, Alaska, by U. S. Bureau of Mines
[Reflectance R_o = percentage reflectance of vitrinite in polished sections measured by P. D. Nao, University of Alaska
Form of analysis: A, as-received; B, moisture free; C, moisture--and ash free]

Coal bed*	Net coal thickness (in.)	Location	Bureau Mines Lab No.	Sample No.	Form of analysis	Analyses, in percent										Heating value (Btu)	R_o Reflectance	Remarks
						Proximate				Ultimate								
						Moisture	Volatile matter	Fixed carbon	Ash	Hydrogen	Carbon	Nitrogen	Oxygen	Sulfur	Ash			
Lagoon B	126	SE $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 6 ToS/R51W	J-36245	Lag. B	A	17.6	32.1	43.5	6.8	5.0	53.7	1.2	33.2	0.1	6.8	8,570	0.576	
					B		38.9	52.8	8.3	3.7	65.1	1.4	21.3	0.2	8.3	10,400		
					C		42.4	57.6		4.0	71.0	1.6	23.2	0.2		11,340		
Lagoon C	47	--do--	J-36246	Lag. C	A	18.1	35.2	43.0	3.7	5.2	54.3	1.2	35.3	0.3	3.7	8,670	0.634	
					B		43.0	52.5	4.5	3.9	66.3	1.4	23.5	0.3	4.5	10,590		
					C		45.0	55.0		4.1	69.5	1.5	24.6	0.3		11,090		
Lagoon E	35	--do--	J-36247	Lag. E	A	18.8	29.4	43.2	8.6	4.9	51.8	1.1	33.4	0.2	8.6	8,220	0.655	
					B		36.2	53.3	10.5	3.5	63.7	1.3	20.7	0.3	10.5	10,120		
					C		40.4	59.6		3.9	71.2	1.4	23.2	0.3		11,310		
Lagoon G	55	SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 6	J-36248	Lag. G	A	17.9	36.3	43.0	2.8	5.5	54.0	1.5	35.9	0.3	2.8	8,720	0.600	Includes 1 $\frac{1}{2}$ " clay partings
					B		44.3	52.3	3.4	4.2	65.7	1.8	24.5	0.4	3.4	10,620		
					C		45.8	54.2		4.4	68.1	1.8	25.3	0.4		10,990		
Lagoon I	107	--do--	J-36249	Lag. I	A	16.0	33.1	45.8	5.1	5.0	56.2	1.2	32.2	0.3	5.1	9,150	0.572	
					B		39.4	54.5	6.1	3.9	66.9	1.5	21.3	0.3	6.1	10,890		
					C		42.0	58.0		4.1	71.2	1.5	22.8	0.3		11,590		
Lagoon J	33	--do--	J-36250	Lag. J	A	18.3	32.6	34.5	14.6	4.9	42.9	1.4	35.9	0.3	14.6	6,770	0.596	
					B		39.9	42.2	17.9	3.5	52.5	1.7	24.1	0.3	17.9	8,290		
					C		48.6	51.4		4.2	63.9	2.0	29.5	0.4		10,090		
Lagoon K	26	--do--	J-36251	Lag. K	A	18.1	36.2	41.5	4.2	5.3	53.5	1.5	35.1	0.4	4.2	8,670	0.588	
					B		44.2	50.6	5.2	4.0	65.3	1.9	23.1	0.5	5.2	10,580		
					C		46.6	53.4		4.2	68.8	2.0	24.5	0.5		11,160		
Lagoon L	56	--do--	J-36252	Lag. L	A	18.7	33.7	39.4	8.2	5.2	50.0	1.5	34.8	0.3	8.2	8,020	0.566	
					B		41.4	48.6	10.0	3.9	61.5	1.9	22.3	0.4	10.0	9,870		
					C		46.1	53.9		4.3	68.4	2.1	24.7	0.5		10,970		
Lagoon M	44	SE $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 1 T6S/R52W	J-36253	Lag. M	A	21.3	34.6	37.6	6.5	5.7	48.1	1.4	38.2	0.1	6.5	7,800	0.598	
					B		44.0	47.7	8.3	4.4	61.1	1.8	24.4	0.2	8.3	9,910		
					C		47.9	52.1		4.6	66.6	2.0	26.6	0.2		10,810		
Ikikileruk Cr. 4.4'	52	SE $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 8 ToS/R51W	J-36260	24	A	15.3	29.0	51.6	4.1	5.0	60.4	1.3	28.8	0.4	4.1	9,950	0.660	
					B		34.3	60.9	4.8	3.9	71.3	1.5	18.0	0.5	4.8	11,740		
					C		36.0	64.0		4.1	74.9	1.6	18.9	0.5		12,330		
Ikikileruk Cr. 3.5'	42	NE $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 8	J-36262	27	A	25.1	32.1	36.6	6.2	5.7	47.6	1.1	39.1	0.3	6.2	7,540	0.624	
					B		42.9	48.8	8.3	3.9	63.5	1.4	22.5	0.4	8.3	10,080		
					C		46.7	53.3		4.3	69.3	1.6	24.4	0.4		10,980		
Ikikileruk Cr. 8.6'	103	NE $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 8	J-36265	31	A	23.3	33.3	37.7	5.7	5.5	50.5	1.1	37.0	0.2	5.7	8,060	0.708	Sample from upper 5' of bed
					B		43.4	49.2	7.4	3.8	65.8	1.4	21.4	0.2	7.4	10,510		
					C		45.9	52.1		4.1	71.1	1.5	23.1	0.2		11,360		
Akulik Cr. 7.5'	90	NE $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 3	J-36254	17	A	20.6	31.2	41.9	6.3	5.5	51.7	1.1	35.3	0.1	6.3	8,310	0.650	"I" reflectance from upper half of bed
					B		39.3	52.7	8.0	4.0	65.2	1.4	21.2	0.2	8.0	10,470		
					C		42.7	57.3		4.3	70.8	1.5	23.2	0.2		11,380		
Akulik Cr. 8.8'	105	NE $\frac{1}{2}$ SE $\frac{1}{4}$ Sec. 3	J-36263	28	A	21.0	31.4	41.9	5.7	5.4	51.8	1.1	35.9	0.1	5.7	8,310	0.646	Sample sampled at different points
					B		39.8	53.0	7.2	3.9	65.5	1.4	21.9	0.1	7.2	10,510		
					C		42.8	57.2		4.2	70.6	1.5	23.6	0.1		11,330		
Akulik Cr. 2.9'	35	NW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 2	J-36264	30	A	8.4	29.8	57.6	4.2	5.3	70.1	1.4	18.8	0.2	4.2	12,010	0.786	
					B		32.5	62.9	4.6	4.7	76.5	1.5	12.5	0.2	4.6	13,100		
					C		34.1	65.9		5.0	80.2	1.6	12.9	0.3		13,730		
Akulik Cr. 6.9'	83	SW $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 2	J-36258	22	A	13.5	32.8	49.6	4.1	5.5	62.2	1.6	26.3	0.3	4.1	10,500	0.708	
					B		37.9	57.3	4.8	4.6	71.9	1.8	16.6	0.3	4.8	12,140		
					C		39.8	60.2		4.8	75.5	1.9	17.5	0.3		12,750		
Akulik Cr. 6.6'	79	--do--	J-36257	21	A	6.7	28.3	47.4	17.6	4.6	59.6	1.3	16.7	0.2	17.6	10,310	0.705	Sample includes 5" clay in 2 partings
					B		30.3	50.8	18.9	4.2	63.9	1.4	11.4	0.2	18.9	11,050		
					C		37.4	62.6		5.1	78.7	1.8	14.1	0.3		13,610		
Akulik Cr. 4.3'	52	--do--	J-36256	20	A	5.1	37.6	53.8	3.5	5.7	74.1	1.7	14.6	0.4	3.5	13,090	0.640	
					B		39.6	56.7	3.7	5.4	78.1	1.8	10.6	0.4	3.7	13,790		
					C		41.1	58.9		5.7	81.1	1.9	10.9	0.4		14,320		
Akulik Cr. 4.9'	59	--do--	J-36255	19	A	8.0	32.5	57.2	2.3	5.4	81.0	1.7	19.3	0.3	2.3	12,210	0.755	
					B		35.3	62.2	2.5	4.9	77.2	1.9	13.2	0.3	2.5	13,270		
					C		36.2	63.8		5.0	79.2	1.9	13.6	0.3		13,620		
Akulik Cr. 7.2'	75	--do--	J-36259	23	A	9.9	31.7	54.5	3.9	5.2	66.6	1.5	22.4	0.4	3.9	11,330	0.787	
					B		35.2	60.5	4.3	4.5	73.9	1.7	15.2	0.4	4.3	12,580		
					C		36.8	63.2		4.7	77.3	1.7	15.9	0.4		13,150		

*Total thickness in feet given for identification of beds on Ikikileruk and Akulik Creeks.

