

APPENDIX No. 1

KOOTANIE COALS—ALBERTA—Continued.

Costigan Area.

Localities.	Thick-ness of Seam.	Split Vol. ratio.	Moisture	Vola-tile matter.	Fixed Car-bon.	Ash.	Sulphur.	Calorific value in B.T.U.
South branch, Panther river...	4'-0"	11.85	1.52	11.65	81.16	5.67	.....	.....
Panther river, eastern outcrop, Costigan seam.....	4'-4"	11.00	1.14	13.63	80.64	4.59	.....	.....
Panther river, western outcrop, Costigan seam.....	4'-9"	10.00	0.69	15.75	77.15	6.41	.....	.....
North edge of area south of Red Deer river.....	4'-2"	10.48	1.80	13.11	81.01	4.08	.....	.....
North edge of area south of Red Deer river.....	5'-4"	9.05	2.14	15.01	79.73	3.12	.....	.....
Western upturn, Panther river, 164 feet below Costigan seam.....	3'-9"	9.73	0.79	15.66	76.05	7.50	.....	.....
270 feet below Costigan seam, north side.....	3'-6"	9.92	0.61	16.49	79.56	3.34	.....	.....
270 feet below Costigan seam, south side.....	3'-8"	9.35	1.14	16.27	78.61	3.98	.....	.....
Lowest seam, near fault line.....	11'-0"	9.88	1.87	13.74	79.55	4.84	.....	.....
Scalp Creek area, west of trail north of Red Deer.....	3'-3"	8.54	1.90	16.10	76.89	5.11	.....	.....

Bighorn Area.

<i>Cohn creek, North Saskatchewan R—</i>								
Seam No. 1.....	2'-2"	4.06	5.80	25.50	62.60	6.10	.....	.....
Seam No. 2.....	1'-10"	4.89	3.74	25.50	67.00	3.76	.....	.....
Seam No. 3, average of 2 analyses.....	5'-6"	5.76	1.38	25.59	68.92	4.10	.....	14041
Seam No. 4, average of 2 analyses.....	7'-6"	6.38	0.79	23.58	68.51	7.50	0.65	13789
<i>Bighorn river—</i>								
Seam No. 2, average of 3 analyses.....	4'-6"	6.35	0.99	23.17	68.24	7.60	0.57	13448
Seam No. 3, average of 3 analyses.....	6'-0"	6.98	0.87	21.46	70.38	7.26	0.66	13712
South Brazeau river, top seam.....	1'-7"	4.61	2.00	28.55	60.75	8.70	.....	.....
Big seam, average of 3.....	14'-5"	4.99	1.85	26.99	62.78	8.37	0.45	.....
Kidd seam, average of 3.....	8'-0"	5.24	2.04	24.38	62.48	11.09	0.56	.....
<i>South Brazeau river, average of 3 analyses—</i>								
Seam No. 8.....	11'-9"	6.50	1.05	22.58	68.99	7.37	0.47	14146
Seam No. 1.....	4'-10"	5.99	1.12	23.74	65.93	9.19	0.81	13200
Seam No. 2.....	3'-11"	5.78	1.28	24.59	66.26	7.87	0.60	13510
Seam No. 4.....	5'-10"	6.49	1.18	23.18	71.08	4.56	0.52	14068
Seam No. 5.....	5'-8"	5.25	3.07	24.07	67.33	5.52	0.59	12890
Seam No. 6.....	8'-5"	4.78	3.93	21.14	61.96	12.92	0.43	9976

BELLY RIVER COAL.

Areas in Foothills.

Oyster creek, in mountains head of Livingstone river.....	Small.	2.77	4.03	31.82	39.46	24.69	.....	.....
Mill and Pincher creeks: sec. 10, tp. 5, R. 1, west of 5th.....	8'-0"	5.81	1.99	20.88	61.87	15.26	.....	.....
Mill creek, 4 miles above mill.....	8'-0"	4.53	1.63	28.43	57.57	12.37	.....	11887
St. Mary river near boundary.....	1'-6"	4.37	5.05	25.30	64.65	5.00	.....	.....
Sheep creek, south branch: sec. 20, tp. 19, R. 4, west of 5th.....	5'-0"	3.78	2.16	34.65	56.42	6.77	.....	.....
Sheep creek, south branch: sec. 30, tp. 19, R. 4, west of 5th.....	7'-0"	3.65	2.50	35.88	56.64	4.98	.....	.....
Bragg creek: sec. 7, tp. 23, R. 5, west of 5th.....	2'-6"	2.19	9.31	35.59	41.72	13.38	.....	.....
Stoney Reserve, Morley.....	6'-0"	3.16	1.26	41.30	48.60	8.84	.....	.....