MAP
OF THE
LANDS OF MONROE COAL MINING CO.
OPERATED BY
RED LANDS COAL CO. - HEILWOOD PA.
SHOWING RESULTS OF
DIAMOND DRILLING-1916
AND
MINE WORKINGS TO DATE

SCALE 1 IN = 1600 FT.

Copied by Bethlehem Mines Corp. Eng. Dept.- Heilwood Pa. - 4/30/25

GEOLOGICAL DEPT. B.S.CO.

Dwg. No. P-1486-B

Corrected to 9/30/20
Corrected to 10/28/20
Corrected & Revised to 12/31/21
Corrected & Revised to 6/1/44.

B = Black INK. Coal Heights P.T.C.O
B = Pencil = Red Lands Coal Co (B.M.Co)

NOTE:- THIS MAP IS BASED ON THE 1600' PROPERTY MAP IN THE OFFICE OF THE B.M.Coal Co AT HEILWOOD. THE DRILL HOLES WERE PUT DOWN IN 1916 AND DRILLING DATA ASSEMBLED BY C.E. LAWALL. THE COAL AREAS ARE AS SHOWN BY T.K. JOHNS AND THE OWNERSHIPS ARE ACCORDING TO HIS LETTER AND ACCOMPANYING MAP OF AUG. 7, 1920.

EXPLANATION

- 'D' COAL OF UNWORKABLE HEIGHT
- 'B' COAL OF WORKABLE HEIGHT
- COAL RIGHTS OWNED BY B.C.I.M.CO.
- LANDS OWNED IN FEE SIMPLE BY B.C.I.M.CO.
- OUTCROP 'D' COAL
- WORKED OUT AREAS
- No. AND LOCATION OF DIAMOND DRILL HOLES
- MINES FORMERLY OPERATED
- MINES NOW OPERATING
- B.C.I.M.CO. COAL RIGHTS LEASED TO OTHERS

DIAMOND DRILLING 1918

D.D.H. NO.	HT. 'C' SEAM	HT. 'B' SEAM
75	0'-0"	0'-7"
76	0'-0"	No Coal
77	0'-0"	0'-6"
78	0'-0"	0'-6"
79	0'-0"	0'-6"

MISCELLANEOUS RESULTS

D.D.H. No.	Name of Seam	Elevation	Net Coal	V.M.	F.C.	Ash	S	P	REMARKS
3-7	Clarion	1883.20	2'-11"	31.26	66.03	2.71	4.13	.013	Coal = 23.43%
3-7	Kittanning Bed	1853.20	4'-6"	31.26	66.03	2.71	4.13	.013	Bone Coal = 5.0%
4-6	U. Kittanning	1846.15	2'-3"	32.93	64.32	2.75	3.91	.044	Bone Coal Clay Band 2'-8" 4"
4-6	L. Kittanning	1826.15	3'-6"	32.93	64.32	2.75	3.91	.044	
4-6	Mercer Fire Clay	1821.65	1'-0"	32.93	64.32	2.75	3.91	.044	Coal = 23.43%
4-6	U. Freeport	1631.94	2'-10"	32.93	63.48	3.59	4.06	.045	Bone Coal = 5.0%
4-6	U. Kittanning	1626.94	2'-10"	32.93	63.48	3.59	4.06	.045	Clay = 2.5%

ANALYSES LOWER FREEPORT COAL — LOWER KITTANNING COAL

Hole No.	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	52	53	54	55	56	57	58	59	60	61	62
V.M.			27.40	27.46	28.60	31.66	No Analysis	28.63	29.25	28.89		No Analysis		No Analysis	No Analysis	No Analysis	27.72	29.73	29.11	No Analysis	33.35	No Analysis	No Analysis	29.68	29.72	29.39	29.74
F.C.			67.33	67.54	66.31	61.93		68.53	67.54	67.42							65.76	64.96	65.72		61.38			65.32	65.26	65.57	65.22
Ash			5.27	4.80	5.09	6.41		2.84	3.21	3.69							6.52	5.31	5.17		5.27			5.00	5.02	5.04	5.04
S			1.09	1.20	.81	.46		1.33	1.33	1.42							1.52	1.52	1.52		2.38			2.51	2.51	2.51	2.51
P			.017	.017	.015	.015		.033	.033	.033							.015	.015	.015		.015			.015	.015	.015	.015
Net Coal			3'-10"	4'-3½"	4'-6"	5'-11½"		5'-3"	5'-3"	4'-6"				5'-0"	5'-10"	6'-10"	5'-10"	5'-3"	5'-3½"		3'-3½"			5'-3"	5'-3"	5'-3"	5'-3"
Sect. Elev.			2387.80	2066.20	1814.96	1780.83	1668.00	1832.0	1710.56	1862.00	1320.00	1560.00	1790.00	1362.96	1643.00	1500.00	1992.00	2000.00	1805.50	1727.00	1672.00	1620.00	1804.20	1762.00	2393.44	2392.00
Elev. L. Kittan.			1860.00	1874.40	1614.33	1584.83	1466.00	1661.0	1466.51	1633.00		1249.30	1420.26	1166.96	1446.69	1332.50	1693.00	1730.20	1633.50	1364.09	1364.09	1327.20	1633.20	1733.29	2116.34	2128.56
Depth of Mine			Shipped at 'B' Coal		Shipped at 'B' Coal	Shipped at 'B' Coal	Shipped at 'B' Coal	Shipped at 'B' Coal	Not Mined	Shipped at 'B' Coal									Shipped at 'B' Coal		Not Mined	Shipped at 'B' Coal				
Remarks																											

Hole No.	63	64	65	66	67	68	69	70	71
V.M.									
F.C.									
Ash	No Analysis	30.71	31.60	31.45	No Analysis	4.11	6.20		
S		1.69	.88	5.26		2.32	1.81		
P									
Net Coal	10'-11"	2'-7½"	10'-10"	8'-3"	1'-3"	3'-5"			2'-3"
Sect. Elev.	1374.00	1161.50	1134.00	1180.00	1176.00	1142.00		1115.00	1161.00
Elev. L. Coal	1351.00	1134.50	1113.50	1153.00	1153.00	1119.00	100'-0"	62'-0"	1138.00
Depth of Mine	349'-0"	346'-0"	117'-0"	146'-0"	73'-0"	73'-0"			63'-0"
Remarks									

Hole No.	79	80	81	82	83	84	85
V.M.				26.68	26.80		26.21
F.C.				68.93	68.44	No Analysis	68.43
Ash	No Analysis	No Analysis	No Analysis	3.55	3.72	Core Lost	3.60
S				1.42	1.42		1.42
P				.015	.015	Not Cut	.015
Net Coal	3'-4½"	No Coal	No Coal	3'-0½"	3'-3"		3'-4"
Sect. Elev.				2009.50	2031.40	1851.76	1792.50
Elev. L. Coal				1965.70	1983.70	1764.60	1769.50
Depth of Mine	267'-0"	350'-0"	281'-0"	375'-0"	375'-0"	276'-0"	223'-0"
Remarks	Greenwich No.1	Greenwich No.2	Greenwich No.3				

R-4217

#4134
SH 5/8/02
1" = 2000
R-4217