

SUMMARY CORE SAMPLE ANALYSIS

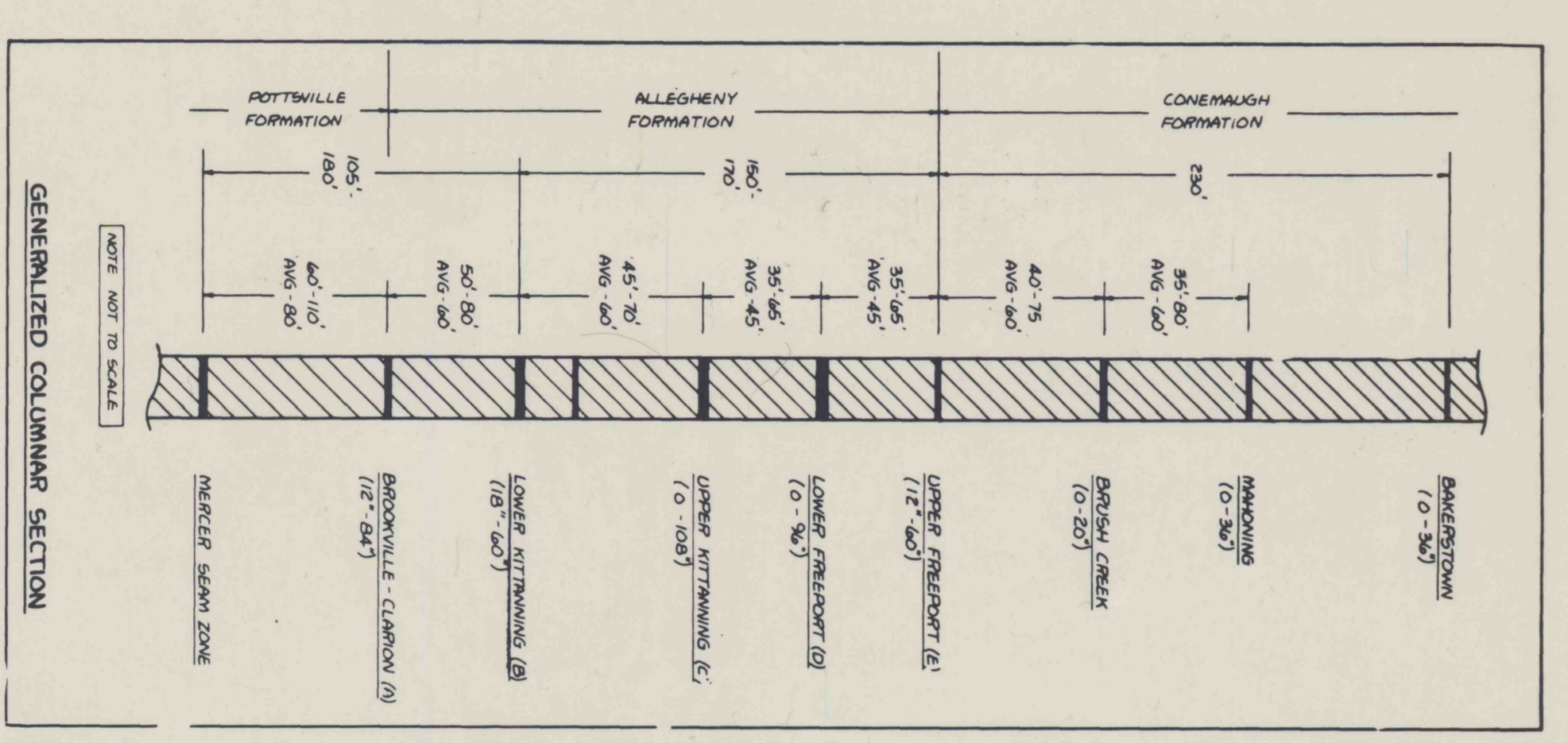
PROPERTY: INDIAN CREEK COAL & COKE CO.
 LOCAL RESERVES AREA
 UNDER KITTANNING SEAM

Sample No.	Analysis	Depth (Feet)		Moisture (%)	Ash (%)	Sulfur (%)	Heats of Combustion (Btu/lb)	
		Top	Bottom					
NORTH AREA								
B-13	R	1-1/4	100.0	11.8	13.84	13,668	6.5	
B-15	R	1-1/4	100.0	11.7	13.72	13,619	6.5	
B-21	M	1-1/4	101.2	8.2	13.72	14,019	9.0	
B-23	M	1-1/4	100.0	7.6	13.78	14,428	8.5	
B-25	M	1-1/4	100.0	7.5	13.31	14,288	9.0	
B-29	M	1-1/4	100.0	8.6	13.11	14,288	9.0	
B-31	M	1-1/4	97.4	7.9	13.48	14,207	9.0	
B-33	M	1-1/4	97.2	7.7	13.78	14,309	9.0	
AREA B - SEAM 1								
Avg. (B-13 to B-33)		R	100.0	15.3	12.9	13,108	6.5	
Std. Dev.			0.0	1.1	0.1	1,107	0.0	
Avg. (B-13 to B-33)		R	1-1/4	83.3	8.1	14.93	9.0	
Std. Dev.			0.0	0.1	0.1	1,107	0.0	
Avg. (B-13 to B-33)		R	1-1/4	100.0	15.3	12.9	13,108	6.5
Std. Dev.			0.0	1.1	0.1	1,107	0.0	
SOUTH AREA								
Avg. (B-35 to B-45)		R	100.0	13.3	13.38	13,384	6.2	
Std. Dev.			0.0	0.2	0.2	1,107	0.0	
Avg. (B-35 to B-45)		R	1-1/4	100.0	11.2	13.34	13,384	6.2
Std. Dev.			0.0	0.2	0.2	1,107	0.0	
Avg. (B-35 to B-45)		R	1-1/4	100.0	11.2	13.34	13,384	6.2
Std. Dev.			0.0	0.2	0.2	1,107	0.0	
Avg. (B-35 to B-45)		R	1-1/4	100.0	11.2	13.34	13,384	6.2
Std. Dev.			0.0	0.2	0.2	1,107	0.0	
Avg. (B-35 to B-45)		R	1-1/4	100.0	11.2	13.34	13,384	6.2
Std. Dev.			0.0	0.2	0.2	1,107	0.0	
Avg. (B-35 to B-45)		R	1-1/4	100.0	11.2	13.34	13,384	6.2
Std. Dev.			0.0	0.2	0.2	1,107	0.0	

SUMMARY OF RESERVE COAL QUALITY

PROPERTY: INDIAN CREEK COAL & COKE CO.
 LOCAL RESERVES AREA
 UNDER KITTANNING SEAM

Sample Description	Proximate Analysis		Sulfur (%)	Heats of Combustion (Btu/lb)	Reserve Tons
	Moisture (%)	Ash (%)			
NORTH AREA					
OC 1: YOUNG BANK	-	22.4	10.6	0.7	-
E - bottom 5 ft. (in. part)	-	23.1	10.6	0.8	0.02
E - top 5 ft. (in. part)	-	23.1	10.6	0.8	0.01
CENTRAL AREA					
OC 6: MCELROFT MINE	3.1	24.0	8.8	2.2	13,170
OC 4: INDIAN CREEK NO. 1 MINE	3.0	23.5	8.0	1.7	13,910
SOUTH AREA					
OC 5: RICHIE'S BANK	27.3	8.8	2.8	-	0.02
OC 2: MILLER BANK (excluding 8 in. top bank)	28.5	10.9	0.5	-	0.01
OC 3: MILLER BANK (excluding 8 in. part)	28.1	6.8	1.2	-	0.04
OC 1: MILLER BANK (excluding 8 in. top bank)	27.8	9.2	1.4	-	0.06



SEAM DATA SUMMARY

LOCAL RESERVES AREA
 UNDER KITTANNING SEAM

Drill Hole From (Feet)	Drill Hole To (Feet)	Seam Thickness (Feet)	Coal	Sulfur (%)	Ash (%)	Heats of Combustion (Btu/lb)	Reserve	
							Area (Acres)	Tons
NORTH AREA								
8-13	349	1346	35.6	2.3	13,668	1.1	14,841	
8-15	295	1346	41.7	-	13,619	0.8	13,771	
8-21	207	1346	42.9	-	14,019	0.7	14,219	
8-23	468	1346	40.9	-	14,428	0.9	14,628	
8-25	468	1346	40.9	-	14,288	0.9	14,488	
8-29	146	1346	38.8	-	14,288	0.5	14,488	
8-31	146	1346	38.8	-	14,309	0.5	14,509	
8-33	319	1346	37.0	-	14,309	0.5	14,509	
AREA B - SEAM 1								
8-13 to 8-33	293	1346	35.0	2.3	13,108	1.1	14,841	
8-13 to 8-33	293	1346	35.0	2.3	13,108	1.1	14,841	
8-13 to 8-33	293	1346	35.0	2.3	13,108	1.1	14,841	
8-13 to 8-33	293	1346	35.0	2.3	13,108	1.1	14,841	
8-13 to 8-33	293	1346	35.0	2.3	13,108	1.1	14,841	
8-13 to 8-33	293	1346	35.0	2.3	13,108	1.1	14,841	
SOUTH AREA								
8-35 to 8-45	148	1346	44.0	1.5	13,384	1.1	14,841	
8-35 to 8-45	148	1346	44.0	1.5	13,384	1.1	14,841	
8-35 to 8-45	148	1346	44.0	1.5	13,384	1.1	14,841	
8-35 to 8-45	148	1346	44.0	1.5	13,384	1.1	14,841	
8-35 to 8-45	148	1346	44.0	1.5	13,384	1.1	14,841	

PROPERTY OWNERSHIP: INDIAN CREEK COAL & COKE CO.

RESERVE AREA

LEGEND

- PROPERTY OWNERSHIP - INDIAN CREEK COAL & COKE CO.
- RESERVE AREA
- MINERAL ONLY - UNCOMMITTED
- ADVERSE / INTERFERING TRACTS ONLY
- SEAM DATA POINTS - FEINIA GEOLOGICAL SURVEY
- RESERVE AREA SUBDIVISIONS
- MAIN ROOF DIVISION LINE - SHALE / SANDSTONE
- INDICATED LIMIT OF MINERABLE RESERVES - DEEP C
- ASSOCIATED DEEP COAL RESERVE AREA
- DEEP MINED AREA
- SEAM THICKNESS ISOTHERM
- OUTCROP - LONER KITTANNING SEAM
- STRUCTURE CONTOUR (40' & 10')
- SURFACE MINED AREA
- OVERBURDEN COVERLINE (40' & 10')
- DRILL HOLE - JOHN T. BOYD CO.
- DRILL HOLE - BY OTHERS
- RESERVE AREA SUBDIVISIONS
- MAIN ROOF DIVISION LINE - SHALE / SANDSTONE
- INDICATED LIMIT OF MINERABLE RESERVES - DEEP C
- ASSOCIATED DEEP COAL RESERVE AREA
- DEEP MINED AREA

ASSOCIATED DEEP COAL RESERVE AREA BY COVENANTS 1, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100



RESERVE MAP LOWER KITTANNING (B) SEAM

FAYETTE AND WESTMORELAND CO'S, PA.

PREPARED FOR INDIAN CREEK COAL & COKE CO.

SCALE 1" = 5000 FT.

MAY 1973

JOHN T. BOYD COMPANY

MINING & GEOLOGICAL ENGINEERS

EXHIBIT 3-D