

CLARION COUNTY

Operators and Mines/ or Surface Mine Permit No.	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening					Number and Type Lamps Used			Pounds of Explosives Used						
			Shaft Depth	Slope Length	Drift Degrees	Drift Drift	Gas- eous	Non- Gas- eous	Flame Open	Elec- tric	Ammonium Nitrate	Dynamite	Other Permis- sible (Name)				
Ancient Sun, Inc.																	
16840104	U. Clarion/L.K.	36-42	-	-	-	-	-	-	-	-	-	24,900	284	-			
16850108	M.K.	36	-	-	-	-	-	-	-	-	-	156,650	3,133	-			
16890110	U.K.	22	-	-	-	-	-	-	-	-	-	5,340	254	-			
												Total	186,890	3,681	-		
Aspen Minerals, Inc.																	
16900104	L.F./U.K.	22-20	-	-	-	-	-	-	-	-	-	4,120	270	2,430			
C & K Coal Co.																	
16703006	U.L. Clarion/ M.L.K.	16-26-35	-	-	-	-	-	-	-	-	-	1,370,098	5,516	8,124			
16743037	M.L.K.	20-48	-	-	-	-	-	-	-	-	-	1,748,559	5,064	5,226			
16753010	U.L. Clarion	26-49	-	-	-	-	-	-	-	-	-	214,144	1,722	3,091			
16753017	L.U. Clarion/ L.M.K.	22-41	-	-	-	-	-	-	-	-	-	9,242,580	28,962	32,279			
16753025	U.L. Clarion	16-22	-	-	-	-	-	-	-	-	-	74,132	957	1,344			
16793006	L.K./U.L. Clarion	16-26	-	-	-	-	-	-	-	-	-	1,098,927	7,862	13,320			
16810135	U.L.M.K./L.F.	11-35	-	-	-	-	-	-	-	-	-	3,537,759	12,233	13,446			
16830114	U.F./M.L.K.	20-36	-	-	-	-	-	-	-	-	-	6,699,335	15,513	16,096			
16850110	U.L.M.K./LF	11-35	-	-	-	-	-	-	-	-	-	3,537,758	12,233	13,446			
16890102	U.M.K.	26	-	-	-	-	-	-	-	-	-	-	-	-			
												Total	27,523,292	90,062	106,322		
Colt Resources, Inc.																	
16880101	M.K.	22	-	-	-	-	-	-	-	-	-	494,316	-	-			
Crispen Contracting Co.																	
16890111	U.F.	36	-	-	-	-	-	-	-	-	-	-	-	-			
16900101	U.F.	36	-	-	-	-	-	-	-	-	-	38,610	428	-			
												Total	38,610	428	-		

CLARION COUNTY (Continued)

Operators and Mines/ or Surface Mine Permit No.	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening						Number and Type Lamps Used			Pounds of Explosives Used				
			Shaft		Slope		Drift	Gas-	Non-	Flame	Elec-	Ammonium	Dynamite	Other Permis- sible (Name)		
			Depth	Length	Degrees	Drift	Gas-	Gas-	Open						Safety	tritic
Doverspike Bros. Coal Co.																
16890103	U. & L. Clarion	18-36	-	-	-	-	-	-	-	-	-	139,530	2,195	2,185		
16900101	U. & L. Clarion	13-36	-	-	-	-	-	-	-	-	-	62,210	910	909		
												Total	201,740	3,105	3,094	
Gearhart, Alvin																
16713021	L.F.	48	-	-	-	-	-	-	-	-	-	37,050	770	-		
Glacial Minerals, Inc.																
16763010	U.M.K.	12-25	-	-	-	-	-	-	-	-	-	321,897	-	-		
16820101	M.K.	25	-	-	-	-	-	-	-	-	-	13,136	-	-		
16830103	U.M.K.	20	-	-	-	-	-	-	-	-	-	301,178	-	-		
16880105	M.K.	22	-	-	-	-	-	-	-	-	-	43,669	-	-		
												Total	679,880	-	-	
Glen-Gery Corp.																
16860310	U.L. Clarion	24	-	-	-	-	-	-	-	-	-	-	-	-		
R.E.M. Coal Co., Inc.																
16840108	L.K.	30	-	-	-	-	-	-	-	-	-	53,690	585	-		
Reichard Contracting, Inc.																
16840106	U.M.K./U.L.F.	18-40	-	-	-	-	-	-	-	-	-	175,875	3,281	-		
State Industries, Inc.																
16850114	Unknown	-	-	-	-	-	-	-	-	-	-	-	-	-		
TDK Coal Sales, Inc.																
16890101	L.K.	26	-	-	-	-	-	-	-	-	-	-	-	-		
Terry Coal Sales, Inc.																
16693007	U.K.	24	-	-	-	-	-	-	-	-	-	146,680	1,938	-		
16850116	U.K./L.F.	50	-	-	-	-	-	-	-	-	-	861,760	13,765	-		
16860114	U.M.K./L.F.	60	-	-	-	-	-	-	-	-	-	1,351,315	21,516	-		

CLARION COUNTY (Continued)

Operators and Mines/ or Surface Mine Permit No.	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening						Number and Type Lamps Used			Pounds of Explosives Used				
			Shaft		Slope		Drift		Gas- eous	Non- Gas- eous	Flame Open	Elec- Safety	Elec- tric	Ammonium Nitrate	Dynamite	Other Permis- sible (Name)
			Depth	Length	Degrees	Drift	Gas- eous	Non- Gas- eous								
Terry Coal Sales, Inc. (Continued) 16880104	U.K.	18	-	-	-	-	-	-	-	-	-	-	38,990	966	-	
Total												2,398,745	38,185	-		
COUNTY TOTAL												31,794,208	140,367	111,896		

Note:

Symbols for Geological Name of Coal Bed:

- UK - Upper Kittanning
- MK - Middle Kittanning
- LK - Lower Kittanning
- UF - Upper Freeport
- MF - Middle Freeport
- LF - Lower Freeport

CLEARFIELD COUNTY

Operators and Mines/ or Surface Mine Permit No.	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening						Number and Type Lamps Used			Pounds of Explosives Used				
			Shaft		Slope		Drift		Gas- eous	Non- Gas- eous	Open	Flame Safety	Elec- tric	Ammonium Nitrate	Dynamite	Other Permis- sible (Name)
			Depth	Length	Degrees	Drift	Gas- eous	Non- Gas- eous								
AME Enterprises, Inc. 17803045	L.F./M.U.K.	12-25	-	-	-	-	-	-	-	-	-	-	130,451	1,080	-	
17813046	L.F./M.U.K.	12-29	-	-	-	-	-	-	-	-	-	-	44,150	360	-	
17820181	M.U.K.	12-24	-	-	-	-	-	-	-	-	-	-	30,200	252	-	
17840123	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
													Total	204,801	1,692	-
Andray Mining Co. 17793018	L.F. Rider/ L.F.M.U.K.	16-20-27-42	-	-	-	-	-	-	-	-	-	-	462,765	3,437	6,900#	
Arcadia Co., Inc., The 17850110	U.L.F./U.K./ Mahoning	27-28-30	-	-	-	-	-	-	-	-	-	-	3,050	79	-	
17860146	U.L.F./U.K./ Mahoning	27-28-30	-	-	-	-	-	-	-	-	-	-	1,211,916	3,633	-	
													Total	1,214,966	3,712	-
Avery Coal Co. 17820151	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Baumgardner Coal Co., Inc., Larry D. 17880108	L.K.	28	-	-	-	-	-	-	-	-	-	-	540,920	1,742	8,845#	
Becker Coal Co., Paul F. 17850113	Mahoning	36	-	-	-	-	-	-	-	-	-	-	-	-	-	
Bender Coal Co., E.P. 17880107	U.L.F.	20-32	-	-	-	-	-	-	-	-	-	-	218,785	3,195	-	
17890101	L.U.F.	30-32	-	-	-	-	-	-	-	-	-	-	354,555	4,019	-	
Auger-BAM 40216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
													Total	573,340	7,214	-

273

CLEARFIELD COUNTY (Continued)

Operators and Mines/ or Surface Mine Permit No.	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening					Gas- eous	Non- Gas- eous	Number and Type Lamps Used			Pounds of Explosives Used		
			Shaft Depth	Slope		Drift Drift	Flame Open			Elec- Safety	Elec- tric	Ammonium Nitrate	Dynamite	Other Permis- sible (Name)	
				Length	Degrees										
Beverly Hill Coal Co. 17860127	L.F.	17	-	-	-	-	-	-	-	-	-	61,000	284	320#	
Brown, Inc., E. M. 17743014	Clarion	36	-	-	-	-	-	-	-	-	-	-	-	-	
17773022	Clarion	30	-	-	-	-	-	-	-	-	-	-	-	-	
17803023	Clarion	30	-	-	-	-	-	-	-	-	-	-	-	-	
17813013	Clarion	40	-	-	-	-	-	-	-	-	-	-	-	-	
17813024	M.K.	24	-	-	-	-	-	-	-	-	-	-	-	-	
17820146	U.K.	26	-	-	-	-	-	-	-	-	-	-	-	-	
17820175	Clarion	30	-	-	-	-	-	-	-	-	-	20,270	96	-	
17840139	Clarion	30	-	-	-	-	-	-	-	-	-	-	-	-	
17840152	L.K.	42	-	-	-	-	-	-	-	-	-	474,329	2,861	-	
17840904	L.K.	22	-	-	-	-	-	-	-	-	-	-	-	-	
17860136	U.K.	30	-	-	-	-	-	-	-	-	-	-	-	-	
												Total	494,599	2,957	-
Cambria Coal Co. 17890113	U.F.	26	-	-	-	-	-	-	-	-	-	836,667	4,402	9,781	
Cambria Mills Coal Co., Inc. 17743033	U.L.F.	32	-	-	-	-	-	-	-	-	-	52,733	1,098	37,855	
17803034	U.L.F./U.L.K.	32	-	-	-	-	-	-	-	-	-	469,324	9,777	336,910	
17840157	U.L.F./L.K.	24-32	-	-	-	-	-	-	-	-	-	5,273	100	3,786	
												Total	527,330	10,975	378,551
Carlin, R.S. 17793140	U.M.K.	12-24	-	-	-	-	-	-	-	-	-	1,702,600	5,431	9,071#	
Central Pa. Coal Co., Inc. 17753159	Moshannon	23	-	-	-	-	-	-	-	-	-	146,720	5,869	13,290#	
17803079	U.L.F.	23	-	-	-	-	-	-	-	-	-	-	-	-	
17803161	U.L.F.	23	-	-	-	-	-	-	-	-	-	287,565	8,502	14,280#	
												Total	434,285	14,371	27,570

CLEARFIELD COUNTY (Continued)

Operators and Mines/ or Surface Mine Permit No.	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening				Non- Gas- eous	Gas- eous	Number and Type Lamps Used			Pounds of Explosives Used			
			Shaft Depth	Slope Length	Drift Degrees	Drift Drift			Open	Flame Safety	Elec- tric	Ammonium Nitrate	Dynamite	Other Permis- sible (Name)	
															Total
Clearfield Appalachin Coal, Inc. 17870120	U.F.	26	-	-	-	-	-	-	-	-	-	100,510	372	-	
Cloe Mining Co., Inc. 17890118	M.K.	30	-	-	-	-	-	-	-	-	-	326,144	3,340	5,593#	
Auger (17890118)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
												Total	326,144	3,340	5,593
Cowfer Contracting Co., Inc., James I. 17820152	Bituminous	28	-	-	-	-	-	-	-	-	-	-	-	-	
17830119	Bituminous	24	-	-	-	-	-	-	-	-	-	709,850	3,551	79,150	
3266BSM76-4471BSM19	Bituminous	28	-	-	-	-	-	-	-	-	-	596,950	4,241	54,350	
												Total	1,306,800	7,792	133,500
Deer Run Coal Co. 17840118	L.F.	46	-	-	-	-	-	-	-	-	-	-	-	-	
Dressler, W. Ruskin 17900101	U.K.	27	-	-	-	-	-	-	-	-	-	-	-	-	
Ener Corp., Inc. 17663136	L.K.	36	-	-	-	-	-	-	-	-	-	136,814	861	10,585#	
Fahr Coal Co. 17870118	Mahoning/U.F.	21-36	-	-	-	-	-	-	-	-	-	285,055	1,397	2,229	
Flango Bros. Coal, Inc. 17820108	L.K.	24	-	-	-	-	-	-	-	-	-	1,031,577	164,312	41,000	
Forcey Coal, Inc. 17870127	U.F.	36	-	-	-	-	-	-	-	-	-	-	-	-	
17900103	L.F.	26	-	-	-	-	-	-	-	-	-	-	-	-	
Hamilton Bros. Coal, Inc. 17880122 and Auger-BAM 4206	L.F./M.K.	20-36	-	-	-	-	-	-	-	-	-	64,340	-	477	
Hamilton Contracting Co., Al 17803105	U.L.F.	24-30	-	-	-	-	-	-	-	-	-	76,567	451	406	
17803105 Auger	U.L.F.	24-30	-	-	-	-	-	-	-	-	-	-	-	-	
17810104	L.M.K.	12-20	-	-	-	-	-	-	-	-	-	294,563	4,981	4,178	
17813055	L.M.K.	12-20	-	-	-	-	-	-	-	-	-	333,081	5,247	4,709	

CLEARFIELD COUNTY (Continued)

Operators and Mines/ or Surface Mine Permit No.	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening					Gas- eous	Non- Gas- eous	Number and Type Lamps Used			Pounds of Explosives Used		
			Shaft Depth	Slope		Drift Drift	Open			Flame Safety	Elec- tric	Ammonium Nitrate	Dynamite	Other Permis- sible (Name)	
				Length	Degrees										
Hamilton Contracting Co., Al (continued)															
17820106	M.L.K./Clarion	20-40	-	-	-	-	-	-	-	-	-	142,834	1,354	1,216	
17820145	L.K.	22	-	-	-	-	-	-	-	-	-	1,086,313	5,126	4,533	
17830129	L.F./U.K.	Stumps-30	-	-	-	-	-	-	-	-	-	226,911	1,388	1,265	
17830129 Auger	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
17840124	U.M.K.	20-26	-	-	-	-	-	-	-	-	-	-	-	-	
17840131	L.F./M.U.K.	Stumps-8-30	-	-	-	-	-	-	-	-	-	959,449	8,061	7,229	
17840131 Auger	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
17870112	U.K.	24	-	-	-	-	-	-	-	-	-	444,492	8,981	7,873	
17870117	U.K.	24	-	-	-	-	-	-	-	-	-	234,139	2,245	2,130	
17890105	U.L.F.	24-30	-	-	-	-	-	-	-	-	-	640,549	3,189	3,008	
17890105 Auger	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
17890121	U.K.	24	-	-	-	-	-	-	-	-	-	133,723	1,183	1,094	
												Total	4,572,621	42,206	37,581
Hansloven Coal Co., Inc., Ed															
17870116	U.M.L.K.	17-24-36	-	-	-	-	-	-	-	-	-	3,781,165	18,025	326,961#	
Hepburnia Coal Co.															
17801373	U.F.	18	-	-	-	-	-	-	-	-	-	-	-	-	
17820139	U.L.F.	24	-	-	-	-	-	-	-	-	-	304,233	5,037	2,208	
17830120	L.F.	21	-	-	-	-	-	-	-	-	-	146,090	3,047	2,745	
17830136	L.F.	24	-	-	-	-	-	-	-	-	-	443,891	2,845	4,946¢	
17850133	U.L.F.	24	-	-	-	-	-	-	-	-	-	18,209	396,256	3,615¢	
17850135	U.K./U.L.F.	22-24-60	-	-	-	-	-	-	-	-	-	10,491	349,833	3,679¢	
17880101	M.U.K.	24-30	-	-	-	-	-	-	-	-	-	156,777	2,056	939¢	
17890119	U.F.	30	-	-	-	-	-	-	-	-	-	9,400	145	3,615¢	
17890120	L.F.	21	-	-	-	-	-	-	-	-	-	146,090	3,047	2,745¢	
17900121															
												Total	1,235,181	762,266	24,492
K & J Coal Co., Inc.															
17803026	U.F.	20	-	-	-	-	-	-	-	-	-	185,110	1,889	2,398¢	
17820176	U.F.	23	-	-	-	-	-	-	-	-	-	391,740	1,277	1,680¢	
17830113	U.F.	15	-	-	-	-	-	-	-	-	-	-	-	-	
												Total	576,850	3,166	4,078

CLEARFIELD COUNTY (Continued)

Operators and Mines/ or Surface Mine Permit No.	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening					Number and Type Lamps Used			Pounds of Explosives Used				
			Shaft	Slope	Drift	Gas- eous	Non- Gas- eous	Flame	Elec- tric	Ammonium Nitrate	Dynamite	Other Permis- sible (Name)			
													Depth	Length	Degrees
Kasubick Bros. Coal Co. 17820129	L.K.	20	-	-	-	-	-	-	-	-	-	21,000	460	-	
King Coal Sales, Inc. 17850127	U.M.K.	14-16	-	-	-	-	-	-	-	-	-	653,873	4,842	-	
17880109	U.M.K.	22-26	-	-	-	-	-	-	-	-	-	801,744	4,752	-	
17900112	L.U.F.	38	-	-	-	-	-	-	-	-	-	-	-	-	
												Total	1,455,617	9,594	-
Kitko, Francis B. 17870102	Freeport	48	-	-	-	-	-	-	-	-	-	-	-	-	
Larson Enterprises, Inc. 17820181	M.U.K.	15-24	-	-	-	-	-	-	-	-	-	27,000	336	-	
Linn Corporation 17870129	U.K.	24	-	-	-	-	-	-	-	-	-	-	-	-	
L. T. Contracting, Inc. 17850118	Clarion	26	-	-	-	-	-	-	-	-	-	79,245	3,591	-	
17890117	M.K.	30	-	-	-	-	-	-	-	-	-	16,614	3,777	-	
												Total	95,859	7,368	-
M.B. Energy, Inc. 17850114	U.L.F.	30-32	-	-	-	-	-	-	-	-	-	237,550	760	-	
17850120	U.K./L.F.	23-26	-	-	-	-	-	-	-	-	-	651,474	1,989	-	
17900108	M.U.K./L.U.F.	19-28	-	-	-	-	-	-	-	-	-	431,691	956	-	
Auger-Bam 40222	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
												Total	1,320,715	3,705	-
McDonald Land & Mining Co., Inc. 17840126	Mahoning/U.L.F.	12-24-33	-	-	-	-	-	-	-	-	-	35,550	1,311	6,720	
17840150	U.K./L.F.	10-25	-	-	-	-	-	-	-	-	-	440,900	5,504	47,480	
17880115	U.K.	25	-	-	-	-	-	-	-	-	-	570,450	9,819	296,535	
												Total	1,046,900	16,634	350,735

CLEARFIELD COUNTY (Continued)

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			Shaft	Slope		Drift	Gas- eous	Non- Gas- eous	Open	Flame Safety	Elec- tric	Ammonium Nitrate	Dynamite	Other Permis- sible (Name)
				Depth	Length									
McGovern Coal Co., Clair C. 17860142	L.F.	22	-	-	-	-	-	-	-	-	-	-	-	
M & M Construction Co., Inc. 17870114	Clarion	30	-	-	-	-	-	-	-	-	18,000	500	-	
Mary Louise Coal Co., Inc. 17880117	L.U.F.	36	-	-	-	-	-	-	-	-	-	-	-	
Maud Mining Co. 17880110	L.F.	42	-	-	-	-	-	-	-	-	86,520	1,875	-	
1790111	L.U.F.	18-24-45	-	-	-	-	-	-	-	-	6,490	265	-	
Auger-BAM 40209	L.F.	42	-	-	-	-	-	-	-	-	-	-	-	
											Total	93,010	2,140	-
Midway Excavating 17820135	Moshannon	48	-	-	-	-	-	-	-	-	-	-	-	
Moshannon Falls, Mining Co., Inc. 17850144	L.U.F.	18-23	-	-	-	-	-	-	-	-	510,925	50	4,844	
Mustang Coal & Contracting Corp. 17860114	L.K.	38	-	-	-	-	-	-	-	-	-	-	-	
17890106	L.K.	38	-	-	-	-	-	-	-	-	84,730	464	-	
											Total	84,730	464	-
Northern Counties Coal Co., Inc. 17743172	L.F./U.K.	28-36	-	-	-	-	-	-	-	-	838,973	9,413	4,523	
17820180	L.U.K.	18-48	-	-	-	-	-	-	-	-	44,206	3,185	4,335	
17860111	Clarion/Mercer	19-28	-	-	-	-	-	-	-	-	88,898	7,706	2,412	
17860120	M.U.K./L.F.	18-36	-	-	-	-	-	-	-	-	1,076,697	7,683	5,261	
17880124	-	-	-	-	-	-	-	-	-	-	-	-	-	
											Total	2,048,774	27,987	16,531
P & N Coal Co., Inc. 17743003	U.K./L.U.F.	28-36	-	-	-	-	-	-	-	-	538,590	8,007	17,225	
17793010	U.K./U.L.F.	28-36	-	-	-	-	-	-	-	-	426,770	3,771	2,781	
											Total	965,360	11,778	20,006

CLEARFIELD COUNTY (Continued)

Operators and Mines/ or Surface Mine Permit No.	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening				Gas- eous	Non- Gas- eous	Number and Type Lamps Used			Pounds of Explosives Used				
			Shaft Depth	Slope Length	Drift Degrees	Drift Drift			Open	Flame Safety	Elec- tric	Ammonium Nitrate	Dynamite	Other Permis- sible (Name)		
Penn-Grampian Coal Co.																
17840120	U.L.F./Mahoning	24-26	-	-	-	-	-	-	-	-	-	-	650,470	17,931	2,826	
17870104	L.K.	28	-	-	-	-	-	-	-	-	-	-	800	72	26	
													Total	651,270	18,003	2,852
Philipsburg Family Fun, Inc.																
17890123	Clarion	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Power Operating Co., Inc.																
17673057	U.M.L.K./L.F.	18-36	-	-	-	-	-	-	-	-	-	-	42,274	3,120,196	-	-
17820114	M.K.	8-24	-	-	-	-	-	-	-	-	-	-	216	22,600	-	-
17850102	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17860144	U.K./L.F.	18-44	-	-	-	-	-	-	-	-	-	-	-	-	-	-
													Total	42,490	3,142,796	-
Ratay Coal, Inc.																
17830134	U.K./L.F.	24-42	-	-	-	-	-	-	-	-	-	-	319,859	1,502	2,318	
Reese Coal Co., Inc., Philip																
17814033	U.L.M.K.	18-32-34	-	-	-	-	-	-	-	-	-	-	116,550	2,645	-	-
River Hill Coal Co., Inc.																
17663047	L.F./M.U.K.	20-27	-	-	-	-	-	-	-	-	-	-	2,095,655	16,560	-	-
17753050	L.F./M.U.K.	18-42	-	-	-	-	-	-	-	-	-	-	779,408	6,120	-	-
17803045	L.F./M.U.K.	12-24	-	-	-	-	-	-	-	-	-	-	130,451	1,080	-	-
17803049	L.F./M.U.K.	19-65	-	-	-	-	-	-	-	-	-	-	436,200	3,240	-	-
17813046	L.F./M.U.K.	12-29	-	-	-	-	-	-	-	-	-	-	44,150	360	-	-
17820160	L.F./M.U.K.	20-27	-	-	-	-	-	-	-	-	-	-	1,073,859	8,280	-	-
17820181	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
													Total	4,559,723	35,640	-
Roy Coal Co.																
17743165	M.U.K.	15-30	-	-	-	-	-	-	-	-	-	-	30,100	350	12,000	

CLEARFIELD COUNTY (Continued)

Operators and Mines/ or Surface Mine Permit No.	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening					Non- Gas- eous	Number and Type Lamps Used			Pounds of Explosives Used			
			Shaft Depth	Slope		Drift Drift	Gas- eous		Open	Flame Safety	Elec- tric	Ammonium Nitrate	Dynamite	Other Permis- sible (Name)	
				Length	Degrees										
Ryan Bros. Coal Co.															
17803006	L.U.F.	24-26	-	-	-	-	-	-	-	-	-	-	-	-	
17860134	L.U.F.	24-26	-	-	-	-	-	-	-	-	-	-	-	-	
Shale Hill Coal Co.															
17803104	U.K./L.U.F.	18-30	-	-	-	-	-	-	-	-	-	491,215	8,940	3,123	
17803105	U.L.F.	24	-	-	-	-	-	-	-	-	-	831,447	16,297	4,449	
17880119	U.K.	30	-	-	-	-	-	-	-	-	-	140,315	3,552	3,258	
17820172	U.K.	30	-	-	-	-	-	-	-	-	-	-	-	-	
17840104	U.K.	18	-	-	-	-	-	-	-	-	-	-	-	-	
17850103	U.K./L.F.	24	-	-	-	-	-	-	-	-	-	1,011	106,150	496	
17850106	L.K.	32	-	-	-	-	-	-	-	-	-	108,613	3,903	1,156	
												Total	1,572,601	138,842	12,482
Sky Haven Coal, Inc.															
17683148	M.U.K.	24	-	-	-	-	-	-	-	-	-	667,455	4,105	-	
17683149	L.M.U.K.	30	-	-	-	-	-	-	-	-	-	21,430	120	-	
17753116	U.K./L.F.	30	-	-	-	-	-	-	-	-	-	430,770	7,380	-	
17783017	L.M.U.K.	26	-	-	-	-	-	-	-	-	-	388,650	1,048	-	
17793088	L.M.U.K.	26	-	-	-	-	-	-	-	-	-	-	-	-	
17803094	U.K./L.U.F.	40	-	-	-	-	-	-	-	-	-	1,219,694	2,545	-	
17813084	M.U.K./L.F.	24	-	-	-	-	-	-	-	-	-	462,713	5,887	-	
17813093	U.K./L.F.	28	-	-	-	-	-	-	-	-	-	159,475	489	-	
17820104	M.U.K.	20	-	-	-	-	-	-	-	-	-	438,624	1,898	-	
17820131	M.U.K.	24	-	-	-	-	-	-	-	-	-	72,360	412	-	
17820148	U.K./L.F.	28	-	-	-	-	-	-	-	-	-	-	-	-	
17820182	U.K./L.U.F.	30	-	-	-	-	-	-	-	-	-	305,105	2,297	-	
17830116	L.U.F.	40	-	-	-	-	-	-	-	-	-	221,335	1,175	-	
17840113	U.K.	30	-	-	-	-	-	-	-	-	-	240,615	1,695	-	
17840125	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
17850124	L.M.U.K.	24	-	-	-	-	-	-	-	-	-	203,600	1,274	-	
17850142	U.F.	24	-	-	-	-	-	-	-	-	-	-	-	-	
17850143	M.U.K.	24	-	-	-	-	-	-	-	-	-	591,190	2,161	-	

CLEARFIELD COUNTY (Continued)

Operators and Mines/ or Surface Mine Permit No.	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening				Gas- eous	Non- Gas- eous	Number and Type Lamps Used			Pounds of Explosives Used		Other Permis- sible (Name)	
			Shaft Depth	Slope Length	Drift Degrees	Drift Drift			Open	Flame Safety	Elec- tric	Ammonium Nitrate	Dynamite		
															Total
Sky Haven Coal, Inc. (Continued)															
17851501	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17860101	U.K./L.U.F.	34	-	-	-	-	-	-	-	-	-	194,380	1,872	-	
17860108	M.K.	28	-	-	-	-	-	-	-	-	-	395,480	1,945	-	
17860148	U.K./L.F.	28	-	-	-	-	-	-	-	-	-	937,523	2,360	-	
17870111	U.F.	40	-	-	-	-	-	-	-	-	-	43,850	259	-	
17880103	M.K.	28	-	-	-	-	-	-	-	-	-	179,725	539	-	
17880118	U.K./L.F.	30	-	-	-	-	-	-	-	-	-	23,715	88	-	
17890102	M.K./L.F.	28	-	-	-	-	-	-	-	-	-	87,221	326	-	
17890111	L.F.	14	-	-	-	-	-	-	-	-	-	-	-	-	
17890122	U.K./L.F.	30	-	-	-	-	-	-	-	-	-	125,120	1,491	-	
17901601	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
												Total	7,410,030	41,366	-
Strishock Coal Co.															
17693009	M.L.K.	24	-	-	-	-	-	-	-	-	-	-	-	-	
17793123	M.L.K.	24	-	-	-	-	-	-	-	-	-	100,688	736	950	
17803096	M.L.K.	24	-	-	-	-	-	-	-	-	-	31,369,836	2,708	4,821	
												Total	31,470,524	3,444	5,771
Swisher Contracting, Inc.															
17860138	Coal	22	-	-	-	-	-	-	-	-	-	33,450	495	1,110	
17870131	Coal	30	-	-	-	-	-	-	-	-	-	-	-	-	
17890107	Coal	28	-	-	-	-	-	-	-	-	-	-	-	-	
17890116	Coal	30	-	-	-	-	-	-	-	-	-	113,635	1,798	4,500	
												Total	147,085	2,293	5,610
T & T Clay Co.															
17820161	M.U.K.	30	-	-	-	-	-	-	-	-	-	-	-	-	
17870107	Clay River	12-14	-	-	-	-	-	-	-	-	-	-	-	-	
Terra Energy, Inc.															
17880127	Mercer	40	-	-	-	-	-	-	-	-	-	31,397	3,732	-	

281

CLEARFIELD COUNTY (Continued)

Operators and Mines/ or Surface Mine Permit No.	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening					Gas- eous	Non- Gas- eous	Number and Type Lamps Used			Pounds of Explosives Used			
			Shaft	Slope		Drift	Gas- eous			Non- Gas- eous	Flame	Elec- tric	Ammonium Nitrate	Dynamite	Other Permis- sible (Name)	
				Depth	Length											Degrees
Thomas Coal Co., Inc.																
17773075	L.F.	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17820177	M.K./L.U.F.	12-32	-	-	-	-	-	-	-	-	-	954,990	8,936	94,725		
17870119	U.F.	18	-	-	-	-	-	-	-	-	-	533,218	6,086	15,760		
17870123	U.K./L.F.	20-26	-	-	-	-	-	-	-	-	-	6,400	161	1,075		
17890104	U.K./L.F.	20-26	-	-	-	-	-	-	-	-	-	515,850	7,474	42,860		
												Total	2,010,458	22,657	154,420	
Turner Coal Co., W. R.																
1774017	L.K.	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Waroquier Coal Co., Inc.																
17840138	U.L.F.	24-30	-	-	-	-	-	-	-	-	-	162,715	15,183	-		
17850125	U.L.F.	24-30	-	-	-	-	-	-	-	-	-	70,540	7,763	-		
17850140	U.F.	26	-	-	-	-	-	-	-	-	-	33,550	3,205	-		
17880106	U.L.F.	24-30	-	-	-	-	-	-	-	-	-	194,049	8,387	-		
17880126	U.L.F.	24-26	-	-	-	-	-	-	-	-	-	68,830	2,105	-		
												Total	529,684	36,643	-	
Welker, J. E.																
17840116	Freeport	30	-	-	-	-	-	-	-	-	-	16,000	150	-		
17840135	Clarion	14	-	-	-	-	-	-	-	-	-	-	-	-	-	
												Total	16,000	150	-	
												COUNTY TOTAL	77,065,991	4,591,033	1,615,103	

Note: # Caps
Wet Pack

Symbols for Geologic Name of Coal Bed:

- UK - Upper Kittanning
- MK - Middle Kittanning
- LK - Lower Kittanning
- UF - Upper Freeport
- MF - Middle Freeport
- LF - Lower Freeport

CLINTON COUNTY

Operators and Mines/ or Surface Mine Permit No.	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening				Gas- eous	Non- Gas- eous	Number and Type Lamps Used			Pounds of Explosives Used			
			Shaft	Slope	Drift	Gas- eous			Flame	Elec- tric	Ammonium Nitrate	Dynamite	Other Permis- sible (Name)		
			Depth	Length	Degrees									Drift	
Antrim Mining, Inc. 18820102 18880101	Clarion Clarion	60 40	- -	- -	- -	- -	- -	- -	- -	- -	- -	1,037,221 393,180	11,300 5,462	- -	
												Total	1,430,401	16,762	-
Confer Coal Co. 18793005	Brookville	30	-	-	-	-	-	-	-	-	-	381,820	10,530	1,053	
												COUNTY TOTAL	1,812,221	27,292	1,053

ELK COUNTY

Operators and Mines/ or Surface Mine Permit No.	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening					Gas- eous	Non- Gas- eous	Number and Type Lamps Used			Pounds of Explosives Used		
			Shaft Depth	Slope Length	Drift Degrees	Drift Drift	Open			Flame Safety	Elec- tric	Ammonium Nitrate	Dynamite	Other Permis- sible (Name)	
															Total
Bauer Equipment Sales 24763013	L.F.	40	-	-	-	-	-	-	-	-	-	-	-	-	-
Black Oak Development, Inc. 24840105	U.K.	22	-	-	-	-	-	-	-	-	-	112,980	480	-	-
24870102	L.F.	30	-	-	-	-	-	-	-	-	-	-	-	-	-
											Total	112,980	480	-	-
Energy Resources, Inc. 24880101	U.L.F./U.K.	28	-	-	-	-	-	-	-	-	-	854,612	3,552	5,693	-
24880103	L.F./L.K.	28	-	-	-	-	-	-	-	-	-	424,524	1,701	-	-
24890102	U.L.F./U.K.	24	-	-	-	-	-	-	-	-	-	15,700	13,040	-	-
											Total	1,294,836	18,293	5,693	-
Fairview Coal Co. 24820110	Unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28440103	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hepburnia Coal Co. 24763006	L.U.F.	19	-	-	-	-	-	-	-	-	-	308,618	10,970	3,263*	-
24820109	M.K.	24	-	-	-	-	-	-	-	-	-	-	-	-	-
24880105	U.K.	24	-	-	-	-	-	-	-	-	-	236,940	4,803	1,578*	-
											Total	545,558	15,773	4,841	-
Mottern Coal, Inc., Floyd 24880102	Bituminous	36	-	-	-	-	-	-	-	-	-	-	-	-	-
24900101	"	36	-	-	-	-	-	-	-	-	-	-	-	-	-
New Shawmut Mining Co. 24890101	U.L.F./U.K.	24	-	-	-	-	-	-	-	-	-	444,406	6,603	-	-
Strishock Coal Co. 24820107	M.K.	28	-	-	-	-	-	-	-	-	-	128,970	290	492*	-
Tamburlin Bros. Coal Co. 24813008	L.F.	28	-	-	-	-	-	-	-	-	-	-	-	-	-
24830103	M.U.F.	28	-	-	-	-	-	-	-	-	-	258,655	15,144	2,610	-
24880104	L.F.	32	-	-	-	-	-	-	-	-	-	-	-	-	-
24870101	M.K.	28	-	-	-	-	-	-	-	-	-	-	-	-	-
4670BSM4	U.F.	40	-	-	-	-	-	-	-	-	-	1,600	25	2,040	-
											Total	260,255	15,169	4,650	-

ELK COUNTY (Continued)

Operators and Mines/ or Surface Mine Permit No.	Name of Coal or Geological Formation	Height of Seam Inches	Kind of Opening					Number and Type Lamps Used			Pounds of Explosives Used			
			Shaft Depth	Slope		Drift Drift	Non- Gas- eous	Gas- eous	Flame Open	Elec- Safety	Elec- tric	Ammonium Nitrate	Dynamite	Other Permis- sible (Name)
				Length	Degrees									
Vollmer, Lawrence B. 24673003	U.L.K.	20-28	-	-	-	-	-	-	-	-	-	-	-	-
COUNTY TOTAL											2,787,005	56,608	15,676	

Note: * Caps

Symbols for Geological Name of Coal Bed:

- UK - Upper Kittanning
- MK - Middle Kittanning
- LK - Lower Kittanning
- UF - Upper Freeport
- MF - Middle Freeport
- LF - Lower Freeport