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Directory of Coal Production Ownership, 1979

October 1981

Energy Information Administration
Office of Energy Markets and End Use
U.S. Department of Energy

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Directory of Coal Production Ownership, 1979

October 1981

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DIRECTORY OF COAL PRODUCTION OWNERSHIP, 1979

Ownership patterns in the coal industry are highly complex. Many producers are diversified into other lines of activity. The pattern and extent of this diversification has varied through time. In the past, steel and nonferrous metals companies had major coal industry involvement. This is still true today. However, other types of enterprises have entered the industry de novo or through merger. Those of greatest significance in recent times have involved petroleum and particularly public utility companies. Nonetheless, a significant volume of production is still accounted for by specialized producers. Because many of these companies are closely held, only through careful review of an array of data sources is it possible to accurately depict current patterns of coal ownership.

This report attempts to identify, as accurately as possible, production ownership patterns in the coal industry. The audience for this Directory is anyone who is interested in accurately tracing the ownership of coal companies to parent companies, or who is concerned about the structure of ownership in the U.S. coal industry. This audience includes coal industry specialists, coal industry policy analysts, economists, financial analysts, and members of the investment community.

The information and analysis contained in this report are not available from any other Energy Information Administration office or Government agency. In view of the ongoing interest in the development of domestic energy resources and in the level of merger/acquisition activity in energy industries, it is felt that a report on coal industry ownership will prove useful for reporting and analysis in these areas.

This report is organized into three sections. The remainder of this section contains an analysis of the composition of coal production ownership. The second section contains a description of the methodology and data sources utilized in compiling the Directory of Coal Production Ownership. The second section also provides examples of how to use the Directory. The third section contains the Directory which is in two parts.

In the remainder of this section data developed primarily from Keystone's U.S. Coal Production by Company is reported. Other sources, which are described in the next section, were state energy offices and trade associations.

The Keystone production data are utilized because appropriately aggregated Energy Information Administration (EIA) data are not presently available. Although, in most cases, the detailed production figures shown by Keystone are secured directly from the operating companies, they are not subjected to the same detailed validation procedures to which EIA data are subjected. Hence, EIA cannot attest to the validity of the Keystone production data. However, the Keystone data do tend to be in agreement with information reported in companies' filings of Securities and Exchange Commission Form 10-K and annual reports to shareholders.

Concerning data on ownership, which is the primary objective of this report, the various directories published by Moody's were by far the most important source of ownership information. As noted elsewhere, individual State sources were also utilized in a substantial number of instances. Conversely, Keystone was utilized to a minimum extent as a source of ownership data. Of the 163 companies shown in list number I, Keystone was utilized for 10 companies for ownership information.

In 1979, coal production by all companies producing 500,000 tons or more came to 647.8 million tons or 83.4 percent of total coal production in that year. Table I presents the total production by all companies in the 500,000 ton and over category disaggregated by type of ownership. For comparative purposes, similar data are also presented for 1974.

As is shown, petroleum companies--with a share of 25.0 percent--accounted for the largest share of coal production in 1979. Electric utilities, with a share of 14.7 percent, and private coal companies, with a share of 11.6 percent, represented the second and third largest producing groups, respectively. Concerning the specialized group as a whole, these companies accounted for only 19.7 percent of the total coal produced, in 1979, in the 500,000 tons and over category. Within the specialized group, the importance of privately-owned companies is particularly to be noted since their aggregate production exceeded that of the publicly-owned companies by 28.0 million tons.

The combined production of the next largest groups--Peabody Consortium and Iron and Steel companies--was about 6 million tons less than the total production by the coal group of 128.2 million tons.

Looked at from the standpoint of the number of producing groups, the distribution was somewhat different. In this regard, there were 63 coal company producers and they accounted for 38.9 percent of the total of 162 producing companies of all kinds. Within the coal group, there were only 9 public companies as compared with 46 private companies and 8 undetermined.

Petroleum, with a total of 22 companies, constituted the next largest group followed by electric utilities and iron and steel--with totals of 17 and 14 producing companies, respectively.

As is shown in the previously cited Table I, there are only two major shifts in the composition of coal production ownership in 1979 as compared to 1974. The first of these changes relates to coal ownership by electric utilities which came to only 6.9 percent of production in 1974 as compared with their 1979 shares of 14.7 percent. By contrasts, the share of production controlled by oil companies showed a small gain from 23.7 percent to 25.0 percent whereas the share for coal companies showed a minor decline from 22.4 percent in 1974 to 19.7 percent in 1979. The second major shift was a matter of classification; that is, Peabody Coal Company was changed from nonferrous metals in 1974 to Peabody Consortium in 1979 which resulted in a major decline in the share for nonferrous metals. Exclusive of Peabody, the 1974 share for nonferrous metals was 8.8 percent.

Table I

Coal Production in 1974 and 1979 by
Companies Producing 500,000 Tons or More
by Type of Ownership

Type of Ownership	1974		1979	
	Millions of tons	Percent of total	Millions of tons	Percent of total
Specialized				
Coal, Public	(a)	(a)	47.2	7.2
Coal, Private	(a)	(a)	75.2	11.6
Coal, Undetermined	(a)	(a)	5.8	0.9
Total Specialized	102.9	22.4	128.2	19.7
Nonspecialized				
Petroleum	109.1	23.7	161.7	25.0
Peabody Consortium	(b)		64.4	10.0
Iron/Steel	48.8	10.6	57.4	8.9
Nonferrous Metals	108.7	23.6	51.7	8.0
Electric Utilities	32.0	6.9	95.6	14.7
Gas Cos. & Systems	0.0	0.0	17.5	2.7
All Other	58.9	12.8	71.3	11.0
Total Nonspecialized	357.5	77.6	519.6	80.3
Total 500,000 Tons or More	460.4	100.0	647.8	100.0
Balance of Industry	143.0		128.5	
Percent Total Industry	23.7		16.6	
Total Industry	603.4 ^(c)		776.3 ^(d)	

^aThis level of disaggregation not available for 1974 which is based on an unpublished study by the author of the current report.

^bIn 1974, Peabody Coal was owned by Kennecott Copper and its production was included with nonferrous metals. The Peabody Consortium was created in 1976.

^cDOE/EIA COAL DATA: A REFERENCE, September 1978.

^dDOE/EIA WEEKLY COAL REPORT, March 6, 1981.

According to a recently published Department of Energy (DOE) study¹, there were some significant shifts in coal production ownership between 1966 and 1978. However, the data in this study were limited to companies who produce 3 million tons or more and are not comparable to the data herein which encompass all companies with a production of 500,000 tons or more.

As an addendum, it is appropriate to briefly note the following recently announced mergers/acquisitions:

1. Sales of the privately-owned Kemmerer Coal Co. (4.3 million tons in 1979) to Gulf Oil (9.3 million tons in 1979).
2. Sale by Barber Oil Corp. of its Barber Paramount Coal Corp. to a newly created limited partnership called Paramount Coal Co. Paramount Coal was formed by affiliates of W. R. Grace, Hanna Mining Co., and Liberty Capital Group.

The net effect of these two developments, if applied to 1979 data, would be to reduce the total specialized coal share from 19.7 to 19.1 percent. As a result of gaining 4.3 million tons and losing 1.9 million, the oil company share would have increased from 25.0 to 25.3 percent. The remainder of the increase of 0.3 percentage points would have gone to the "all other" group of companies.

¹Coal Competition: Prospects for the 1980's. (DOE/PE0027)

METHODOLOGY FOR DIRECTORY
OF COAL PRODUCTION OWNERSHIP

A major part of the coal production ownership data for this report was developed from the following directories published by Moodys:

MOODYS INDUSTRIAL (M/I)

MOODYS PUBLIC UTILITY (M/U)

MOODYS OVER THE COUNTER (M/OTC)

MOODYS TRANSPORTATION (M/T)

In all instances where Moodys was utilized, the following information is included:

TYPE OF DIRECTORY

YEAR OF DIRECTORY

PAGE NUMBER

In addition, various state energy offices, coal trade associations, and State geological offices were contacted when Moodys did not include the necessary data.

The designation SEC CLASSIFICATION is based on the classification by type of industry as set forth in the Security and Exchange Commission's annual DIRECTORY OF COMPANIES REQUIRED TO FILE ANNUAL REPORTS WITH THE SECURITIES AND EXCHANGE COMMISSION, March 31, 1980.

All companies not shown in the SEC Directory were further subdivided between private and undetermined. Designation as privately held was based on information from the above cited State energy and geological offices and coal trade associations. The eight small companies classified as undetermined, and assumed to be coal companies, were unknown to any of the energy sources cited herein.

With the single exception of the industry totals shown in Table I, all production data were taken from Keystone's COAL PRODUCTION BY COMPANIES.

In the Directory, Table number I presents the 162 parent operating companies, arranged in order of their production rank, showing ownership of the operating company, the source of the data concerning ownership, and their SEC classification.

Table number II is an alphabetical grouping of each of the 312 individual producing units shown in Table number I.

As an example, Consolidation Coal is shown on the first page of Table number I with Harmar Coal as an associated company. If the name Harmar Coal appears in another context, it can be located in the alphabetical Table number II where it is shown on the fifth page. According to this page, it is a subsidiary of Consolidation Coal and the production figure of 49,234 thousand tons enables the reader to locate Consolidation Coal in Table number I in order to check not only the production for Harmar but also how it compares with the production of other Consolidation Coal affiliates.

A second example concerns NERCO which appears on the second page of Table number I as a subsidiary of Pacific Power and Light with a total production of 16,380 thousand tons. As is shown in Table number I, Glenrock Coal is a subsidiary of NERCO. If the name Glenrock Coal is displayed elsewhere as a separate entity, it can be checked with Table number II where it appears on the fifth page. The production figure of 16,380 thousand tons permits the reader to locate the company in Table number I as one of the subsidiary companies of NERCO.

Questions concerning this Directory should be directed to:

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DIRECTORY OF COAL PRODUCTION OWNERSHIP

TABLE #I

PARENT OPERATING COMPANY	1979 (TONS X 10 ³)	PRODUCTION STATE	OWNERSHIP	SOURCE	SEC. CLASSIFICATION
Peabody Coal	11897	Illinois	Consortium: Newmont Mining (27.5%)	M/I (1980) 5021	Consortium
	2912	Missouri	Williams Cos., (27.5%)		
	1050	Oklahoma	Bechtel Corp. (15.0%)		
	9840	Indiana	Boeing Co. (15.0%)		
	20465	Kentucky	Fluor Corp. (10.0%)		
	2728	Ohio	Equitable Life		
	1734	Colorado	Assur. Society (5.0%)		
	2481	Montana			
	11241	Arizona			
	75	Arkansas			
Total	64423				
Consolidation Coal	2893	Pennsylvania	Continental Oil Co.	M/I (1980) 899	Petroleum
	24058	W. Virginia			
	982	Tennessee			
	4639	Ohio			
	9035	Illinois			
	3115	N. Dakota			
	301	Utah			
Sub Total	45023				
Associated Cos.					
Harmar Coal Co.	377		Consol (25%) Wheeling Pittsburgh (75%)	M/I (1980) 4336	
Mathies Coal Co.	1455		Consol (31%) National Steel (69%)	M/I (1980) 3020	
Bishop Coal Co.	752		Consol (33%) Inland Steel (67%)	M/I (1980) 1327	
Itmann Coal Co.	1627		Consol (66%) National Steel (33%)	M/I (1980) 3020	
Sub Total	4211				
Total Consolidation	49234				

M/I = Moodys Industrials

DIRECTORY OF COAL PRODUCTION OWNERSHIP

(Continued)

TABLE #1

PARENT OPERATING COMPANY	1979 (TONS X 10 ³)	PRODUCTION STATE	OWNERSHIP	SOURCE	SEC. CLASSIFICATION
Amax Coal Co.	6536	Illinois	Sold 5,900,000 Shares stock to Standard Oil California In 1975. Standard of California Present Share = 15.28%	M/I (1980) 3084	Nonferrous Metals
	7380	Indiana			
	1913	Kentucky			
	18730	Wyoming			
Total	54559				
Texas Utilities	24716	Texas	Co. owns 100% of Chaco Energy & Basic Resources, Inc. For Development, Production, Etc. of coal & other energy resources.	M/U (1980) 2823	Electric Utility
Island Creek Coal Co.	6236	W. Virginia	Occidental Petroleum Corp.	M/I (1980) 3373	Petroleum
	10191	Kentucky			
	371	Pennsylvania			
	2088	Virginia			
Sub Total	13886				
Other Companies					
Beatrice Pocahontas	654		Jointly Owned with Republic Steel	M/I (1979) 2878	
VP-5 Mining	403				
Sub Total	1057				
Total Island Creek	19942				
NERCO					
Glenrock Coal Co.	3828	Wyoming	Pacific Power & Light	M/U (1980) 2500	Electric Utility
Bridger Coal Co.	5701	Wyoming	Joint Venture Idaho Power Co. (1)	Keystone M/U (1980) 2501	
Decker Coal Co.	5527	Montana	Joint Venture Peter Kiewitt & Sons	Keystone	
Bankhead Mining Co.	323	Alabama	Joint Venture Cobb Coal Co. & Jefferson Coal Co.	M/U (1980) 2498	
Total	16380				

M/U = Moodys Public Utility

DIRECTORY OF COAL PRODUCTION OWNERSHIP

(Continued)

Table #I

PARENT OPERATING COMPANY	1979 (TONS X 10 ³)	PRODUCTION STATE	OWNERSHIP	SOURCE	SEC. CLASSIFICATION
Arch Mineral Corp. (2)	10649	Wyoming	Ashland Oil (50%)	M/I (1980) 53	Petroleum
Southwestern Illinois Coal	4744	Illinois	Hunt Industries NA	Keystone	
Walker-Fayette Coal	491	Alabama	Hunt Petroleum NA	Keystone	
Total Arch Mineral	15884				
United States Steel	2690	Kentucky	United States Steel	M/I (1980) 5307	Iron & Steel
	4409	W. Virginia			
	5406	Pennsylvania			
	1239	Alabama			
	906	Colorado			
	330	Utah			
Total	14979				
Pittston Co.			Pittston Co.	M/I (1980) 5080	Wholesale Trade
Clinchfield Coal	7906	VA. & W. VA			
Elkay Mining Co.	991	W. Virginia			
Kentland Elkhorn Coal	488	W. Virginia			
Jewell Ridge Coal	1021	Virginia			
Badger Coal	746	W. Virginia			
Sewell Coal	1119	W. Virginia			
Eastern Coal Corp.	683	Kentucky			
Buffalo Mining	892	W. Virginia			
Ranger Fuel Corp.	820	W. Virginia			
Total	14667				
American Electric Power			American Electric Power	M/U (1980) 933	Electric Utility
Central Appalachia					
Coal	677	W. Virginia			
Windsor Power House					
Coal	575	W. Virginia			

N/A = Not Available

DIRECTORY OF COAL PRODUCTION OWNERSHIP (Continued)

Table #1

PARENT OPERATING COMPANY	1979 (TONS X 10 ³)	PRODUCTION STATE	OWNERSHIP	SOURCE	SEC. CLASSIFICATION
American Electric Power (con't)					
Southern Ohio Coal					
Meigs Div.	3787	Ohio			
Martinka Div.	827	W. Virginia			
Braztah Mine	979	Utah			
Southern Appalachia					
Coal	1272	W. Virginia			
Cedar Coal Co.	1774	W. Virginia			
Central Ohio Coal	3451	Ohio			
Total	13342				
Peter Kiewit Sons			Peter Kiewit - Private Company	Private Source	None (Coal)
Big Horn Coal Co.	3500	Wyoming			
Rosebud Coal Sales					
Company	2400	Wyoming			
Decker Coal Co.	6527	Montana	Joint Venture NERCO	Keystone	
Black Butte Coal Co.	650		Joint Venture Rocky Mountain Energy	Union Pacific AR 1977	
Total	13077				
Bethlehem Mines Corp.	5728	Pennsylvania	Bethlehem Steel	M/I (1980) 707	Iron & Steel
	4274	W. Virginia			
Beth-Elkhorn Corp.	2497	Kentucky			
Total	12499				
Western Energy Co.	11722	Montana	Montana Power	M/U (1980) 2274	Electric Utility
North American Coal Corp.	1123	N. Dakota	North American Coal	M/I (1980) 5028	Coal
	2060	Ohio			
	553	Pennsylvania			
Florence Mining Co.	1907	Pennsylvania			
Helen Mining Co.	990	Pennsylvania			

DIRECTORY OF COAL PRODUCTION OWNERSHIP (Continued)

Table #I

PARENT OPERATING COMPANY	1979 (TONS X 10 ³)	PRODUCTION STATE	OWNERSHIP	SOURCE	SEC. CLASSIFICATION
North American Coal Corp. (con't)					
Naco Mining Co.	1322	Ohio			
Quarto Mining Co.	1823	Ohio			
Falkirk Mining Co.	1795	N. Dakota			
Total	11573				
Old Ben Coal Co.	5465	Illinois	Standard Oil of Ohio ^a	M/I (1980) 4074	Petroleum
	4579	Indiana			
Total	10044				
Rocky Mountain Energy			Union Pacific	Annual Report 1979	Railroad
Black Butte	650	Wyoming	Joint Venture Peter Kiewit		
Carbon County Coal	100+	Wyoming	Joint Venture Dravo Corp.		
Medicine Bow	2300	Wyoming	Joint Venture Arch Mineral		
Stansbury	N/A		Joint Venture Ideal Basic Ind.		
Total	10500 ⁽¹²⁾				
A T Massey Coal Co. (?)			St. Joe Minerals Corp.	M/I (1980) 5153	Nonferrous Metals
Hopkins Creek Coal Co.	112	Kentucky			
Martin County Coal Corp.	2089	Kentucky			
Max-Ann Coal Corp.	194	Kentucky			
Ora Mae Coal Co.	244	Kentucky			
Peter Cave Coal Co.	449	Kentucky			
Pikco Mining Co.	261	Kentucky			
Wolk Creek Collierie	1219	Kentucky			
Chestnut Coal Co.	49	Tennessee			
Grundy Mining Co.	909	Tennessee			
Virginia Mining Co.	68	Tennessee			
Walnut Coal Co.	45	Tennessee			

^a53 percent interest held by British Petroleum.

DIRECTORY OF COAL PRODUCTION OWNERSHIP (Continued)

Table #I

PARENT OPERATING COMPANY	1979 (TONS X 10 ³)	PRODUCTION STATE	OWNERSHIP	SOURCE	SEC. CLASSIFICATION
A T Massey Coal Co.(3) (con't)					
Big Bear Mining Co.	75	W. Virginia			
Charles Coal Co.	111	W. Virginia			
Douglas Pocahontas Coal	3	W. Virginia			
Kermit Coal Co.	480	W. Virginia			
Leslie Coal Co.	79	W. Virginia			
Omar Mining Co.	612	W. Virginia			
Peerless Eagle Coal	467	W. Virginia			
Piney Creek Coal	68	W. Virginia			
Pond Creek Mining Co.	244	W. Virginia			
Robinson-Phillips Coal Co.	277	W. Virginia			
Rocky Hollow Coal Co.	236	W. Virginia			
Rose Branch Devel Co.	7	W. Virginia			
Simron Fuel Co.	69	W. Virginia			
Trace Fork Coal Co.	442	W. Virginia			
Tug River Coal Co.	14	W. Virginia			
Virginia Crews Coal Co.	350	W. Virginia			
Sun Coal Co. Inc.	201	Colorado			
Total	9372				
Pittsburgh & Midway Coal Mining Co.	2055 1166 4366 1668	Kentucky Colorado N. Mexico Missouri	Gulf Oil	M/I (1977) 794	Petroleum
Total	9265				

DIRECTORY OF COAL PRODUCTION OWNERSHIP (Continued)

Table #I

PARENT OPERATING COMPANY	1979 (TONS X 10 ³)	PRODUCTION STATE	OWNERSHIP	SOURCE	SEC. CLASSIFICATION
Exxon Coal			Exxon Corporation	M/I (1980) 1073	Petroleum
Monterey Coal	3800	Illinois			
Carter Mining Co.	4900	Wyoming			
Total	8700				
Eastern Associated Coal Co.	223	Pennsylvania	Eastern Gas & Fuel Assoc.	M/I (1980) 1029	Coal
	7611	W. Virginia			
Affinity Mining	167				
Total	8001				
Sunoco Energy	3831	Wyoming	Sun Company, Inc.	M/I (1980) 4110	Petroleum
Development Co.					
Elk River	4100	Kentucky			
Resources ⁽⁵⁾	4100	Virginia			
		W. Virginia			
Total	7931				
Westmoreland Coal Co.	2142	W. Virginia	Westmoreland Coal Co. ⁽¹¹⁾	M/I (1980) 4321	Coal
	4754	Virginia			
Colorado					
Westmoreland, Inc.	715	Colorado			
Total	7511				
Utah International Inc.	5203	N. Mexico	General Electric	M/I (1977) 706	Electric Lighting & Wiring Equipment
	2329	Colorado			
Total	7532				
Freeman United Coal ⁽⁴⁾	7380	Illinois	General Dynamics	M/I (1980) 2191	Aircraft & Guided Missiles
Mining Co.					

DIRECTORY OF COAL PRODUCTION OWNERSHIP

(Continued)

Table #I

PARENT OPERATING COMPANY	1979 (TONS X 10 ³)	PRODUCTION STATE	OWNERSHIP	SOURCE	SEC. CLASSIFICATION
Atlantic Richfield Co. Thunder Basin Coal Co.	6244	Wyoming	Atlantic Richfield	M/I (1980) 65	Petroleum
Beaver Creek Coal Co.	536	Utah			
Total	6780				
Rochester & Pittsburgh Coal Co.			Rochester & Pittsburgh Coal Co.	M/OTC (1979) 1247	Coal
Keystone Coal Mining Corp.	3483	Pennsylvania			
Helvetia Coal Co.	2268	Pennsylvania			
Kent Coal Mining Co.	648	Pennsylvania			
Total	6399				
Mapco, Inc.	5939	Kentucky	Mapco	M/I (1980) 3598	Gas Cos. & Systems
	439	Maryland			
Total	6378				
United Coal Cos.	3626	Virginia	Private	Company Representative	None
	1887	Kentucky			(Coal)
	586	W. Virginia			
Total	6099				
Falcon Coal Co., Inc.	5725	Kentucky	Diamond Shamrock	M/I (1980) 134	Petroleum, Refining
Hawkeye Coal Co.	194				
Total	5919				

M/OTC = Moodys over the counter.

DIRECTORY OF COAL PRODUCTION OWNERSHIP (Continued)

Table #I

PARENT OPERATING COMPANY	1979 (TONS X 10 ³)	PRODUCTION STATE	OWNERSHIP	SOURCE	SEC. CLASSIFICATION
C & K Coal Co.	1988	Pennsylvania	Gulf Resources & Chemical Corporation	M/I (1980) 1256	Nonferrous Metals
Vantage Coal Corp.	739	Pennsylvania			
Shannon Coal Co.	1393	Pennsylvania			
Stahlman Coal Co.	793	Pennsylvania			
Cambria Coal Co.	1002	Pennsylvania			
Total	5912				
Jones & Laughlin Steel Corp.	4056 1266	Pennsylvania W. Virginia	Jones & Laughlin Steel Corp.	M/I (1980) 4860	Iron & Steel
Total	5322				
Kerr McGee Coal Corp.	5068	Wyoming	Kerr McGee Corp.	M/I (1980) 3535	Petroleum
Drummond Coal Co.	5000	Alabama	Private	Alabama Dept. Industrial Relation	None (Coal)
Washington, Irrigation & Development Co.	5000	Washington	Joint ownership Washington Water Power (Owns 100% of Washington Irr. & Dev.) & Pacific P & L	M/U (1980) 3554	Electric Utility
Westmoreland Resources	4948	Montana	Westmoreland Coal (60%) Pern-Virginia Corp. (16%)* Morrison -- Knudsen (24%)	M/I 1980) 4321 M/I (1980) 3694	Coal (14)
Knife River Coal Mining Co.	4513	N. Dakota	Montana Dakota Utilities	M/U (1980) 3140	Electric Utility
Total	304 4817	Montana			

*By Subtraction

DIRECTOY OF COAL PRODUCTION OWNERSHIP (Continued)

Table #I

PARENT OPERATING COMPANY	1979 (TONS X 10 ³)	PRODUCTION STATE	OWNERSHIP	SOURCE	SEC. CLASSIFICATION
Valley Camp Coal Co.	4128	W. Virginia	Quaker State Oil & Refining Corp.	M/I (1980) 3897	Petroleum
Valley Camp of Utah	466	Utah			
Total	4594				
Zeigler Coal Co.	3832	Illinois	Houston Natural Gas Corp.	M/U (1980) 573	Gas Cos. & Systems
Empire Energy Corp.	10	Kentucky			
Total	399	Colorado			
	4242				
Ashland Coal Co.	4382	Kentucky	Ashland Oil Co.	M/I (1980) 53	Petroleum
Kemmerer Coal Co.	4300	Wyoming	Private	Wyoming Dept. Economic Planning & Development	None (Coal)
Baukol - Noonan	4250	N. Dakota	Baukol Noonan	M/OTC (1979) 593	Coal
Western Coal Co.	4001	N. Mexico	Public Service of N. Mexico (50%) & Tuscon Gas & Electric (50%)	M/U (1980) 2628	Electric Utility
Armco, Inc.	3300	W. Virginia	Armco, Inc.	M/I (1980) 31	Iron & Steel
Big Mountain Coal	594				
Eagle Coal & Dock Co.	309				
Total	4208				
Emery Mining Corp.	2617	Utah	Utah Power & Light (Emery Mining is under contract to Utah Power & Light)	Utah Energy Office	Electric Utility
American Coal M&E (13)	1248	Utah			
Total	3855				

DIRECTORY OF COAL PRODUCTION OWNERSHIP

(Continued)

Table #I

PARENT OPERATING COMPANY	1979 (TONS X 10 ³)	PRODUCTION STATE	OWNERSHIP	SOURCE	SEC. CLASSIFICATION
Alabama By Products Corp.	3800	Alabama	Alabama By Products	M/OTC (1979) 5	Iron & Steel
R & F Coal Co. (6)	3536	Ohio	Shell Oil Co.	Keystone	Petroleum
Energy Fuels Corp.	3520	Colorado	Private	Colorado Divison of of Mining	None (Coal)
Republic Steel Corp.	1606	Pennsylvania	Republic Steel Corp.	M/I (1980) 3913	Iron & Steel
North River Energy Corp.	318 452 966	Kentucky W. Virginia Alabama			
Total	3342				
National Mines Corp.	66 1549 769 862	Arkansas Kentucky Pennsylvania W. Virginia	National Steel Corp.	M/I (1980) 3020	Iron & Steel
Total	3245				
Carbon Fuel Co.	2058	W. Virginia	ITT Rayonier Inc.	M/I (1980) 1365 & 1375	Telephone
Kentucky Carbon Corp/.	789	Kentucky	Division of International Telephone & Telegraph Corp.		Communication
Bedlor Inc.	238	W. Virginia			
Certi-Coals	1	W. Virginia			
Total	3087				
Pennsylvania Mines Corp.					
Greenwich Collieries Co.	1934	Pennsylvania	Pennsylvania Power & Light	M/U (1980) 3290	Electric Utility
Rushton Mining Co.	519	Pennsylvania			
Tunnelton Mining Cc.	441	Pennsylvania			
Total	2894				

DIRECTORY OF COAL PRODUCTION OWNERSHIP (Continued)

Table #I

PARENT OPERATING COMPANY	1979 (TONS X 10 ³)	PRODUCTION STATE	OWNERSHIP	SOURCE	SEC. CLASSIFICATION
Cannelton Coal Co.	2134	W. Virginia	Algoma Steel Corp. LTD.	M/I (1980) 2710	Iron & Steel
Maple Meadow Mining Co.	666				
Total	2800				
Benjamin Coal Co.	2390	Pennsylvania	Private	Pennsylvania Coal Mining Assn.	None (Coal)
Empire Coal Co.	280	Pennsylvania			
Total	2670				
American Industries & Resources Corp.			Private	Missouri Division of Energy	None (Coal)
Missouri Mining, Inc.	673	Missouri			
Ohio Coal & Con- struction Corp.	1085	Ohio			
Universal Coal & Energy Co.(7)	546	Missouri			
W. Virginia Energies, Inc.	285	W. Virginia			
Total	2589				
Zapata Coal Sales Co.			Zapata Corp.	M/I (1980) 4375	Building Contractor
Mears Coal Co.	530	Pennsylvania			
Doverspike Bros. Corp.	660	Pennsylvania			
Ridgeway Fuels, Inc.	160	Kentucky			
Triple Elkhorn Mining Co.	720	Kentucky			
Be Be Coal Corp.	300	Kentucky			
Total	2370				
Wyodak Resources Development Corp.	2364	Wyoming	Black Hills Power & Light	M/U (1980) 1039	Electric Utility

DIRECTORY OF COAL PRODUCTION OWNERSHIP

(Continued)

Table #I

PARENT OPERATING COMPANY	1979 (TONS X 10 ³)	PRODUCTION STATE	OWNERSHIP	SOURCE	SEC. CLASSIFICATION
MF Fetterolf Coal Co. Inc.	1000	Pennsylvania	Private		None
Stott Coal Co. Inc.	200	Pennsylvania	(G. L. Corp)	M/I (1980) 4943	(Coal)
G M & W Coal Co. Inc	700	Pennsylvania			
Penn Pocahontas Coal Co.	200	Pennsylvania			
Total	2100				
Colowyo Coal Co.	1699	Colorado	Hanna Mining Co. (50%)	M/I (1980) 2243 & 1228	Metal Mining &
			W.R. Grace (50%)		Basic Chemicals
H-6 Coal Co.	400	Colorado	Hanna Mining Co. (50%)		
			W.R. Grace (50%)		
Total	2099				
Eastover Mining (8)	2065	Kentucky	Duke Poner	M/U (1980) 423	Electric Utility
Kaneb Services Inc.			Kaneb Services Inc.	M/I (1980) 3519	Coal
Appalachia Contracting	19	Kentucky			
Mountain Clay Inc	548	Kentucky			
Lee Co. Inc.	555	Kentucky			
Ikerd - Bandy Co. Inc.	415	Kentucky			
Stansbury & Co. Inc.	431	Kentucky			
Phillips Coal Inc.	35	Maryland			
Total	2005				
R. L. Burns			R. L. Burns	M/I (1980) 1980	Crude Petroleum
Pyro Mining Co.	1300	Kentucky	Owned jointly with Consolidated		
			Oil & Gas	M/I (1980) 2052	Extraction
King Coal Co.	205	Alabama			
Total	2005				

DIRECTORY OF COAL PRODUCTION OWNERSHIP

(Continued)

Table #1

PARENT OPERATING COMPANY	1979 (TONS X 10 ³)	PRODUCTION STATE	OWNERSHIP	SOURCE	SEC. CLASSIFICATION
Soverign Coal Corp.	419	Kentucky	Private	Virginia Coal Association	None
Clintwood Mining Co.	195	Virginia			(Coal)
Harman Mining Corp.	887	Virginia			
Ashland Mining Corp.	10	W. Virginia			
Majestic Collieries Co.	486	Kentucky			
Total	1997				
Kaiser Steel Corp.	647	Utah	Kaiser Steel Corp.	M/I (1980) 3514	Iron & Steel
	1344	N. Mexico			
Total	1991				
Inland Steel Co.	1936	Illinois	Inland Steel Co.	M/I (1980) 1337	Iron & Steel
Midland Coal Co.	1904	Illinois	Asarco Inc.	M/I (1980) 41	Nonferrous Metal (14)
Paramont Mining Corp.	1900	Virginia	Barber Oil Corp.	M/I (1980) 686	Petroleum
Lester Coal Co.	216	Virginia	JNO. McCall Coal Co.	Private Source	None
Permal, Inc.	950	Virginia	Private		(Coal)
Race Fork Coal Corp.	281	Kentucky			
Five Oaks Coal Co.	178	Virginia			
Pioneer Coal Co., Inc.	230	Kentucky			
Total	1855				
Aluminum Co. of America	1814	Texas	Alumitum Co. of America	M/I (1980) 561	Aluminum
Shamrock Coal Co. (5)	(see Sunoco p 7)	Kentucky	Elk River Resources Sub Sun Co.	Keystone	Petroleum

DIRECTORY OF COAL PRODUCTION OWNERSHIP

(Continued)

Table #1

PARENT OPERATING COMPANY	1979 (TONS X 10 ³)	PRODUCTION STATE	OWNERSHIP	SOURCE	SEC. CLASSIFICATION
Barnes & Tucker Co.	1489	Pennsylvania	Alco Standard Corp.	M/I (1980) 533 & 534	Wholesale Trade
Upshur Coals Corp.	268	W. Virginia			
Total	1757				
Virginia Iron Coal & Coke	1748	Virginia	American Natural Resources	M/U (1980) 7	Gas Cos. & Systems
Amherst Coal Co.	1725	W. Virginia	Private	West Virginia Coal Association	None (Coal)
Jim Walter Resources	1709	Alabama	Jim Walter Corp.	M/I (1980) 5339	Pulp & Paper
Blue Diamond Coal Co.			Private	Kentucky Dept. Commerce	None (Coal)
Blue Diamond Mining	760	Kentucky			
Scotia Coal Co.	781	Kentucky			
Scotia Coal Co.	7	Virginia			
Stearns Mining Co.	153	Kentucky			
Total	1701				
Mountain Drive Coal Co.	1612	Kentucky	Private	Private Source	None (Coal)
Coastal States Energy Co.	1603	Utah	The Coastal Corporation	M/I (1980) 862	Gas Co. & Systems (14)
Bow Valley Coal Resources, Inc.	1543	Kentucky	Private	Private Source	None (Coal)
Bradford Coal Co., Inc.	1488	Pennsylvania	Private	Pennsylvania Department Environmental Resources	None (Coal)
King Knob Coal Co.	1407	W. Virginia	Private	Private Source	Coal
Sahara Coal Co.	1374	Illinois	Private	Illinois Department Mines and Minerals	None (Coal)

DIRECTORY OF COAL PRODUCTION OWNERSHIP

(Continued)

Table #1

PARENT OPERATING COMPANY	1979 (TONS X 10 ³)	PRODUCTION STATE	OWNERSHIP	SOURCE	SEC. CLASSIFICATION
ADA Mining Corp.			Mannesmann Pipe & Steel	DOE/EIA (Special Listing)	Iron & Steel
Plastics Universal Corp.	549	Kentucky	This Co. is a U.S. Subsidiary of Mannesmann A 6 of Germany	M/I (1980) 5731	
Morris Coal, Inc.	467	Illinois			
Buckley Mining Corp.	303	Kentucky			
Classic Coal Corp.	41	Kentucky			
Total	1360				
General Energy Corp			General Energy Corp.	M/OTC (1979) 859	Coal
DLM Coal Corp.	330	W. Virginia			
McCoy Elkhorn Coal Corp.	660	Kentucky			
Johns Creek Elkhorn Coal Corp.	100	Kentucky			
Bell County Coal Corp.	250	Kentucky			
Total	1340				
Youghiogheny & Ohio Coal Co.	1337	Ohio	Pan Handle Eastern Pipeline Corp.	M/U (1980) 2518	Gas & Systems
Green Coal Co.	1308	Kentucky	Private	Kentucky Department Commerce	None (Coal)
Western Coal Corp.	1289	Kentucky	Affiliate of Island Creek Coal Co.	DOE/EIA (Special Listing)	Petroleum
K & J Coal Co., Inc.	507	Pennsylvania	Accuaitaine of Canada	Pennsylvania Dept. Natural Resources	Miscellaneous
Canterbury Coal Co.	770	Pennsylvania			
Total	1277				
Cimmaron Coal Co.	1255	Kentucky	Amca Resources	Kentucky Dept. Commerce	Miscellaneous

DIRECTORY OF COAL PRODUCTION OWNERSHIP (Continued)

Table #I

PARENT OPERATING COMPANY	1979 (TONS X 10 ³)	PRODUCTION STATE	OWNERSHIP	SOURCE	SEC. CLASSIFICATION
Rapoca Energy Corp. Black Watch/Black Diamond	668	Virginia	Undetermined	---	Coal (15)
Norton Coal Co.	551	Virginia			
Total	1219				
Brown Badgett, Inc.	1200	Kentucky	Natomas Co.	M/I (1980) 3028	Petroleum
West Virginia Rebel Co.	1180	Kentucky	Contractor for Island Creek Coal	DOE/EIA (Special Listing)	Petroleum
UNC Plateau Mining Co.	1109	Utah	UNC Resources, Inc.	M/I (1979) 4312	Metal Mining
GEX Colorado, Inc.	1047	Colorado	General Exploration Co.	M/I (1980) 2192	Coal
Semet - Solvay (9)	1005	W. Virginia	Allied Chemical Corp.	M/I (1980) 542	Basic Chemicals
Barbour Coal Co.	1003	W. Virginia	Contractor for Bethlehem Mines	DOE/EIA (Special Listing)	Iron & Steel
Beckley Coal Mining Co.	984	W. Virginia	Picklands Mather & Co. Sub Moore McCormack Resources	DOE/EIA (Special Listing) M/T (1980) 1952	Water Transportation
Star Fires Coal, Inc.	980	Kentucky	Harvard Const. (Private)	Kentucky Dept. Mines & Minerals	None (Coal)
Duquesne Light Co.	928	Pennsylvania	Duquesne Light Co.	M/U (1980) 1216	Electric Utility
South-East Coal Co., Inc.	924	Kentucky	Private	Kentucky Department Commerce	None (Coal)
Cooney Bros. Coal Co.	921	Pennsylvania	Private	Pennsylvania Coal Mining Assn.	None (Coal)

DIRECTORY OF COAL PRODUCTION OWNERSHIP

(Continued)

Table #I

PARENT OPERATING COMPANY	1979 (TONS X 10 ³)	PRODUCTION STATE	OWNERSHIP	SOURCE	SEC. CLASSIFICATION
Energy Development Co.	917	Wyoming	Iowa Public Service	M/U (1980) 632	Electric Utility
Benham Coal, Inc.	912	Kentucky	International Harvester	Private Source	Motor Vehicles & Equipment
South Hopkins Coal Co.	900	Kentucky	Private	Kentucky Coal Assn.	None (Coal)
Power Operating Co., Inc.	884	Pennsylvania	Undetermined		Coal (15)
Pikeville Coal Co.	878	Kentucky	McCre McCormack Resources	Keystone	Water Transportation
Marty Corp.	868	Kentucky	Private	Private Source	None (Coal)
River Hill Coal Co., Inc.	855	Pennsylvania	Tosco Corp.	M/OTC (1979) 75	Petroleum, Refining
Cherokee Coal Co.	275	Oklahoma	Joint Enterprise	Oklahoma Geological	Miscellaneous
Cherokee Coal Co.	568	Kansas	Bills Coal & Peabody	Survey	
Total	843		Coal		
Kann Coal Co., Inc.	508	Pennsylvania	Private	Pennsylvania Coal	None (Coal)
Chernicky Coal Co., Inc.	332	Pennsylvania		Mining Assn.	
Total	840				
FMC Corp.	813	Wyoming	FMC Corp.	Office State Mine Inspector- Wyoming	Farm Machinery
Cravat Coal Co.	663	Ohio	Private	Ohio Valley Coal	None (Coal)
Puskarich Mining, Inc.	148			Oper. Assn.	
Total	811				

DIRECTORY OF COAL PRODUCTION OWNERSHIP

(Continued)

Table #I

PARENT OPERATING COMPANY	1979 (TONS X 10 ³)	PRODUCTION STATE	OWNERSHIP	SOURCE	SEC. CLASSIFICATION
Mid Continent Resources, Inc.	809	Colorado	Private	Colorado Division of Mines	None (Coal)
Aloe Coal Co.	478	Pennsylvania	Private	Pennsylvania Coal	None (Coal)
Midway Coal Co.	326	Pennsylvania		Mining Assn.	
Total	804				
Chapperal Coal Corp.	800	Kentucky	Industrial Fuels Corp. Sub Peoples Energy Corp.	M/U (1980) 2535	Gas Cos. & Systems (14)
Oglebay Norton Co.	790	Ohio	Oglebay Norton Co.	M/OTC (1980) 1136	Water Transportation
Marietta Coal Co., Inc.	782	Ohio	Private	Ohio Valley Coal Oper. Assn.	None (Coal)
W - P Coal Co.	771	W. Virginia	Consumers Mining Co. (Sub Wheeling - Pittsburgh Steel Co.)	Keystone and M/I (1980) 4336	Iron & Steel
River Processing Co. (10)	759	Kentucky	Pargas, Inc.	Keystone	Retail Trade
Ohio River Collieries Co.	427	Ohio	Private	Ohio Valley Coal	None (Coal)
Bannock Coal Co.	342			Oper. Assn.	
Total	759				
United States Fuel Co.	768	Utah	Sharon Steel Corp.	M/I (1980) 3767	Iron & Steel
CF&I Steel Corp.	742	Colorado	CF&I Steel	M/I (1980) 933	Iron & Steel
Hobet Mining & Const. Co.	735	W. Virginia	Ashland Coal: Sub Ashland Oil	West Virginia Coal Assn.	Petroleum

DIRECTORY OF COAL PRODUCTION OWNERSHIP (Continued)

Table #I

PARENT OPERATING COMPANY	1979 (TONS X 10 ³)	PRODUCTION STATE	OWNERSHIP	SOURCE	SEC. CLASSIFICATION
Invesco International Corp. of Alabama	730	Alabama	No longer a producer in Alabama	Alabama Dept. Industrial Relations	Miscellaneous
Solar Sources	726	Indiana	Undetermined		Coal (15)
Sidwell Bros., Inc.	724	Ohio	Sub Cont. Central Ohio Coal Sub of American Electric Power	DOE/EIA (Special Listing)	Electric Utility
Usibelli Coal Mines, Inc.	710	Alaska	Private	National Coal Assn.	None (Coal)
Brownies Creek Culleries	706	Kentucky	Harvard Construction (Private)	Kentucky Dept. Mines & Minerals	None (Coal)
Leslie Coal Mining Co.	692	Kentucky	Pickands Mather Sub of Moore McCormack Resources	M/T (1980) 1952	Water Transportation
Kerr Coal Co.	687	Colorado	Energy Fuels Corp. (Private)	Colorado Division or Mine	None (Coal)
Cobb Coal Co. Jefferson coal Total	535 136 671	Alabama	Associated with Bankhead Mining Sub of Nerco	DOE/EIA (Special Listings) M/U (1980) 2501	Electric Utility
Glacial Minerals, Inc. Vendale Coal Co. Total	503 157 670	Pennsylvania	Undetermined		Coal (15)
Sandy Fork Mining Co., Inc.	651	Kentucky	Undetermined		Coal (15)
Penn Allegh Coal Co.	639	Pennsylvania	Private	Pennsylvania Coal Mining Assn.	None (Coal)
Kitchikan Fuel Corp. Peter White Coal Mining Total	145 488 633	W. Virginia W. Virginia	Hawley Fuel Corp. Sub of BELCO Petroleum	M/I (1980) 1946	Petroleum

DIRECTORY OF COAL PRODUCTION OWNERSHIP

(Continued)

Table #1

PARENT OPERATING COMPANY	1979 (TONS X 10 ³)	PRODUCTION STATE	OWNERSHIP	SOURCE	SEC. CLASSIFICATION
Soldier Creek Coal Co.	625	Utah	California Portland Cement	M/I (1980) 1986	Cement
Carbon Coal Co.	623	N. Mexico	Undetermined		Coal (15)
Ray Coal Co.	620	Kentucky	Whittier Coal Co. (Private)	Kentucky Dept. Commerce	None (Coal)
Hamilton Const Co.	615	Pennsylvania	Private	Pennsylvania Coal Mining Assn.	None (Coal)
Golden Oak Mining Co.	609	Kentucky	Private	Kentucky Coal Assn.	None (Coal)
Nally & Hamilton Enterprises, Inc.	605	Kentucky	Private	Kentucky Dept. Mines & Minerals	None (Coal)
Burgess Mining & Construction Corp.	604	Alabama	Private	Alabama Dept. Industrial Relations	None (Coal)
Kenawha Coal Co.	604	W. Virginia	Pickands Mather & Co. Sub Moore McCormack Resources	M/T (1980) 1952	Water Transportation
Wolverine Coal Co.	600	Kentucky	Industrial Fuels Corp. Sub Peoples Gas Co.	M/OTC (1979) 934 M/U (1980) 2535	Gas Cos. & Systems
B & N Coal Co.	599	Ohio	Private	Mining & Reclamation Council of America - Ohio Division	None (Coal)
Resource Explor. & Mining, Inc.	596	Wyoming	Contractor For Energy Development	DOE/EIA (Special Listing)	Electric Utility

DIRECTORY OF COAL PRODUCTION OWNERSHIP (Continued)

Table #1

PARENT OPERATING COMPANY	1979 (TONS X 10 ³)	PRODUCTION STATE	OWNERSHIP	SOURCE	SEC. CLASSIFICATION
Laurel Run Mining Co.	595	W. Virginia	Virginia Electric & Power Co.	M/U (1980) 2947	Electric Utility
Daniels, Morris & Marshall, Inc.	593	Kentucky	Private	Kentucky Department Mines & Minerals	None (Coal)
Black Beauty Coal Co.	593	Indiana	Standard Oil Ohio	Indiana Dept. Commerce & Energy	Petroleum
Grafton Coal Co.	592	W. Virginia	Private	West Virginia Coal Assn.	None (Coal)
Straight Creek Mining Co.	588	Kentucky	Private	Kentucky Dept. Mines & Minerals	None (Coal)
Scotts Branch Co.	585	Kentucky	Pickands Mather Sub of Moore McCormack Resources	M/T (1980) 1952	Water Transportation
Sky Haven Coal, Inc.	584	Pennsylvania	Private	Pennsylvania Coal Mining Assn.	None (Coal)
Avery Coal Co., Inc.	569	Pennsylvania	American Natural Resources Co.	Keystone	Gas Cos. & Systems
Fuel Dynamics, Inc.	190	Kansas	Private	Oklahoma Geological Survey	None (Coal)
Total	376 566	Oklahoma			
Quality Coal Co.	566	Ohio	Private	Mining & Reclaim, Council America Ohio Division	None (Coal)
Mulga Coal Co.	565	Alabama	Mead Corp.	M/I (1980) 3009	Paper Products

DIRECTORY OF COAL PRODUCTION OWNERSHIP (Continued)

Table #I

PARENT OPERATING COMPANY	1979 (TONS X 10 ³)	PRODUCTION STATE	OWNERSHIP	SOURCE	SEC. CLASSIFICATION
Muskingum Mining Co.	562	Ohio	S. Boich Mining Co.	Ohio Valley Coal Oper. Assn.	Miscellaneous
West Ken Coal Corp.	537	Kentucky	AMCA Resources	Kentucky Dept. Commerce	Miscellaneous
Luzerne Coal Co.	533	Pennsylvania	Private	Pennsylvania Coal Mining Assn.	None (Coal)
Union Carbide Corp.	514	W. Virginia	Union Carbide Corp.	Keystone	Basic Chemicals
Nemo Coal Co.	513	Missouri	Undetermined	---	Coal (15)
Masteller Coal Co.	510	W. Virginia	Undetermined	---	Coal (15)
Crescent Industries	200	Kentucky	IMC Coal Development Corp.	M/I (1980) 1353	Chemicals, AGR
Southern Elkhorn Coal	300	Kentucky	Sub International Mineral & Chemicals		
Total	500				
IMC Coal Dev. Corp.	500	Kentucky	International Minerals & Chemicals	M/I (1980) 1353	Chemicals, AGR
Total Production for Companies 500 x 10 ³ or more	647812				
Total U.S.	776299				
Percent 500 x 10 ³ or more	83.4				
Total Tons x 10 ³ undetermined	5796				
Percent Undetermined	0.9				

FOOTNOTES FOR DIRECTORY
OF COAL PRODUCTION OWNERSHIP

LIST #I

- (1) Idaho Power owns 100 percent of Idaho Energy Resources which is involved in the development of coal M/U (1980) 584.
- (2) Rocky Mountain Energy - A subsidiary of Union Pacific - is involved in joint venture with Arch Mineral at Medicine Bow Mines in Wyoming. Union Pacific Annual RPT. 1979.
- (3) Annual report of Union Pacific for 1979 shows a total 1979 production of 10.5 million tons most of which is not accounted for by individual companies and/or mines in either the annual report or the 10-K.
- (4) There are substantial differences between this list of company names - which is taken from Keystone and the company names shown in Moodys M/I (1980) 5154.
- (5) Keystone shows no listing for Elk River Resources. It is assumed that Elk River production of 4.1 million tons/Moody includes Shamrock Coal which Keystone shows as a subsidiary of Elk River.
- (6) The Penn Virginia Corp. lists Westmoreland Coal as its principal lessee and states it has a 31% interest in Westmoreland M/OTC (1979) 1175.
- (7) Name of coal subsidiary not given in recent Moodys - see 1974 issue 1049.
- (8) Not shown in SEC. - Classification is based on Moody's.
- (9) American Coal M & E Mines sold to Emery Mining according to Keystone.
- (10) Moody does not show an R & F Coal, it does show that Shell acquired a Seaway Coal Co. - Also of Ohio, for \$65 million in 1977 M/I (1980) 4004.
- (11) Undetermined amount of production in Ohio.
- (12) Undetermined amount of production in Virginia.
- (13) It was assumed that the eight small companies who could not be identified, and thus were classified as undetermined, are all private coal companies.
- (14) In September 1979, company discontinued its operation in coal M/I (1980) 542.
- (15) Moody does not list River Processing as a subsidiary of Pargas M/I (1980) 3805.

NA = Not available.

DIRECTORY OF COAL PRODUCTION OWNERSHIP

Table #II

OPERATING COMPANY	1979 PRODUCTION ^a TONS X 10 ³	CONTROLLING COMPANY AND/OR CONTROL	SUBSIDIARY OF
ADA Mining Corp.	1360	Mannesmann Pipe & Steel	Mannesmann AG of Germany
Affinity Mining Co.	8001	Eastern Associated Coal Co.	Eastern Gas & Fuel Assoc.
Alabama by Products	3800	Alabama by Products	---
Aloe Coal Co.	804	Private	---
Aluminum Co. of America	1814	Aluminum Co. of America	---
Amax	34559	Amax	Standard of California has 19.28% ownership
American Coal M & E	3875	Mines sold to: Emery Mining	Contractor For: Utah Power and Light
American Electric Power	13342	American Electric Power	---
American Industries and Resources Corp.	2589	Private	---
Amherst Coal Co.	1725	Private	---
Appalachian Contracting Co.	2005	Kaneb Services, Inc.	---
Arch Mineral	15884	Ashland Oil, Hunt Indus. and Hunt Petroleum	---
Armco, Inc.	4208	Armco, Inc.	---
Ashland Coal Co.	4382	Ashland Oil	---
Ashland Mining Corp.	1997	Soverign Coal	Private
Atlantic Richfield Co.	6780	Atlantic Richfield Co.	---
Avery Coal Co.	569	American Natural Resources	---
B & N Coal Co.	599	Private	---
Badger Coal Co.	14667	Pittston Co.	
Bankhead Mining	16380	J. V. Cobb Coal & Jefferson Coal	NERCO
Bannock Coal Co..	769	Ohio River Collieries	Private
Barbour Coal Co.	1003	Bethlehem Mines, Contractor for	---
Barnes and Tucker Co.	1757	Alco Standard Corp.	---
Baukol Noonan	4250	Baukol Noonan	---
Beatrice Pocahontas	19942	J. V. Island Creek Coal Republic Steel	Occidental Petroleum ---
Beaver Creek Coal Co.	6780	Atlantic Richfield Co.	---

^aSee Section on Methodology

DIRECTORY OF COAL PRODUCTION OWNERSHIP

Table #II (Continued)

OPERATING COMPANY	1979 PRODUCTION ^a TONS X 10 ³	CONTROLLING COMPANY AND/OR CONTROL	SUBSIDIARY OF
Bedcor, Inc.	3087	Carbon Fuel Co.	ITT Corp.
Be Be Coal Corp.	2364	Zapata Coal Sales Co.	Zapata Corp.
Beckley Coal Mining Co.	984	Pickands Mather	Moore McCormack Resources
Bell County Coal Corp.	1340	General Energy Corp.	---
Benham Coal, Inc.	912	International Harvester	---
Benjamin Coal Co.	2670	Private	---
Beth Elkhorn Corp.	12499	Bethlehem Steel Corp.	---
Bethlehem Mines Corp.	12499	Bethlehem Steel Corp.	---
Big Bear Mining Co.	9372	At Massey	St. Joe Minerals
Big Horn Coal Co.	13077	Peter Kiewit & Sons	Private
Big Mountain Coal	4208	Armco, Inc.	---
Bishop Coal Co.	49234	Consolidation Coal	Conoco
Black Beauty Coal	593	Standard Oil Ohio	---
Black Butte Coal and 10500	13077	J. V. ^a Peter Kiewit Rocky Mt. Energy	Private Union Pacific
Black Watch/Black Diamond	1219	Rapoca Energy	Undertermined
Blue Diamond Mining	1701	Blue Diamond Coal	Private
Blue Diamond Coal Co.	1701	Private	---
Bow Valley Coal Resources, Inc.	1543	Private	---
Bradford Coal Co., Inc.	1488	Private	---
Braz-Tah Mines	13342	American Electrical Power	---
Bridger Coal	16380	J.V. Nerco and Idaho Power	---
Brown Badgett, Inc.	1200	Natomas	---
Brownies Creek Collieries	706	Private	---
Buckley Mining Corp.	1360	ADA Mining	Adams Resources and Energy Inc.
Buffalo Mining Co.	14667	Pittston	---
Burgess Mining & Construction Co.	604	Private	---
C F & I Steel Corp.	742	C F & I Steel	---
C & K Coal Co.	5912	Gulf Resources and Chemical Co.	---

^aJ.V. denotes joint venture.

DIRECTORY OF COAL PRODUCTION OWNERSHIP

Table #II (Continued)

OPERATING COMPANY	1979 PRODUCTION TONS X 10 ³	CONTROLLING COMPANY AND/OR CONTROL	SUBSIDIARY OF
Cambria Coal Co.	5912	C & K Coal Co.	Gulf Resources and Chemical
Cannelton Coal Co.	2800	Algoma Steel Corp.	---
Canterbury Coal Co.	1277	K & J Coal Co.	Acquaitaine of Canada
Carbon Coal Co.	623	Undetermined	
Carbon Fuel Co.	3087	ITT Corp.	---
Carbon County Coal	10500	J. V. Rocky Mt. Energy Dravo Corp.	Union Pacific ---
Carter Mining	8700	Exxon Coal	Exxon Corp.
Cedar Coal Co.	13342	American Electric Power	---
Central Appalachia Coal	13342	American Electric Power	---
Central Ohio Coal	13342	American Electric Power	---
Certi-Coals	3087	Carbon Fuel Co.	ITT Corp.
Chapperal Coal Corp.	800	Industrial Fuels Corp.	Peoples Energy Corp.
Charles Coal Co.	9372	A. T. Massey	St. Joe Minerals
Cherokee Coal Co.	843	J. V. Bills Coal Peabody Coal	--- Consortium (See Peabody Listing)
Chernicky Coal Co.	840	Kann Coal Co.	Private
Chestnut Coal Co.	9372	A. T. Massey	St. Joe Minerals
Cimmaron Coal Corp.		Amca Resources	Canadian St. Hold. Co.
Classic Coal Corp.	1360	ADA Mining	Adams Resources and Energy, Inc.
Clinchfield Coal Co.	14667	Pittston	---
Clintwood Mining Co.	1997	Sovereign Coal Corp.	Private
Coastal States Energy Co.	1603	The Coastal Corp.	---
Cobb Coal Co.	671	Associated with Bankhead Mining Sub Nerco	Pacific Power and Light
Colorado Westmoreland, Inc.	7611	Westmoreland Coal	---
Colowyo Coal Co.	2099	Hanna Mining & WR Grace	---
Consolidation Coal	45023	Conoco	---
Cooney Brothers Coal Co.	921	Private	---
Cravat Coal Co.	811	Private	

DIRECTORY OF COAL PRODUCTION OWNERSHIP

Table #II (Continued)

OPERATING COMPANY	1979 PRODUCTION TONS X 10 ³	CONTROLLING COMPANY AND/OR CONTROL	SUBSIDIARY OF
Crescent Industries	500	IMC Coal Dev. Corp.	Int. Minerals and Chemicals
DLM Coal Corp.	1340	General Energy Corp.	---
Daniels, Morris and Marshall, Inc.	593	Private	---
Decker Coal	16380 and 13077	J. V. Peter Kiewit and Nerco	Private Pacific P & L
Douglas Pocahontas Coal	9372	A. T. Massey	St. Joe Minerals
Doverspike Bros. Coal	2370	Zapata Coal Sales	Zapata Corp.
Drummond Coal Co.	5000	Private	---
Duquesne Light Co.	928	Duquesne Light Co.	---
Eagle Coal & Dock	4208	Armco, Inc.	---
Eastern Associated Coal Corp.	8001	Eastern Gas and Fuel Assoc.	---
Eastern Coal Corp.	14667	Pittston	---
Eastover Mining Co.	2065	Duke Power Co.	
Elk River Resources	7931	Sunoco Energy Development Co.	Sun Co., Inc.
Elkay Mining	14667	Pittston	---
Emery Mining Corp.	3875	Utah P & L	---
Empire Energy Corp.	4442	Zeigler Coal	Houston Natural Gas Corp.
Empire Coal Co.	2670	Benjamin Coal Co.	Private
Energy Development Co.	917	Iowa Public Service	---
Energy Fuels Corp.	3520	Private	
Exxon Coal Co.	8700	Exxon Corp.	---
FMC Corp.	813	FMC Corp.	---
Falcon Coal Co.	5919	Diamond Shamrock	---
Fall Kirk Mining Co.	11573	North American Coal	---
Five Oaks Coal Co.	1855	Lester Coal	Jon McCall Private
Florence Mining Co.	11573	North American Coal	---
Freeman United Coal Mining Co.	7380	General Dynamics	---
Fuel Dynamics, Inc.	566	Private	---

DIRECTORY OF COAL PRODUCTION OWNERSHIP

Table #II (Continued)

OPERATING COMPANY	1979 PRODUCTION TONS X 10 ³	CONTROLLING COMPANY AND/OR CONTROL	SUBSIDIARY OF
G M & W Coal Co. Inc.	2100	M F Fetterolf Coal	Private
General Energy Corp.	1340	General Energy Corp.	---
Gex Colorado	1047	General Exploration Co.	---
Glacial Minerals Inc.	670	Undetermined	---
Glenrock Coal Co.	16380	Nerco	Pacific P & L
Golden Oak Mining Co.	609	Private	---
Grafton Coal Co.	592	Private	---
Green Coal Cof.	1308	Private	---
Greenwich Collieries	2894	Penn. Mines Co.	Penn. Power & Light
Grundy Mining Co.	9372	A.T. Massey	St. Joe Minerals
H. G. Coal Co.	2099	Hanna Mining & WR Grace	---
Hamilton Construction Co.	615	Private	---
Harman Mining Crop.	1997	Sovereign Coal Corp.	Private
Harmar Coal Co.	49234	Consolidation Coal	Conoco
Hawkeye Coal Co.	5919	Falcon Coal	Diamond Shamrock
Helen Mining Co.	11573	North American Coal	---
Helvetia Coal Co.	6399	Rochester & Pittsburgh Coal Co.	---
Hobet Mining & Construction Co.	735	Ashland Coal Co.	Ashland Oil Co.
Hopkins Creek Coal Co.	9372	A. T. Massey	St. Joe Minerals
IMC Coal Development Corp.	500	International Mineral and Chemical Co.	---
Ikerd Bandy Co. Inc.	2005	Kaneb Services Inc.	---
Inland Steel Co.	1936	Inland Steel Co.	---
Invesco International Corp. of Alabama	730	(No longer a producer in Alabama)	---
Island Creek Coal Co.	19942	Occidental Petroleum	---
Itmann Coal Co.	49234	Consolidation Coal	Conoco
Jefferson Coal	671	Bankhead Mining Sub Nerco	Pacific Power and Light
Jewell Ridge Coal	14667	Pittston Co.	---
Jim Walter Resources	1709	Jim Walter Corp.	---
Johns Creek Elkhorn Coal	11340	General Energy Corp.	---

DIRECTORY OF COAL PRODUCTION OWNERSHIP

Table #II (Continued)

OPERATING COMPANY	1979 PRODUCTION TONS X 10 ³	CONTROLLING COMPANY AND/OR CONTROL	SUBSIDIARY OF
Jones & Laughlin Steel	5322	Jones & Laughlin Steel	
K & J Coal Co.	1277	Acquaitaine of Canada	---
Kaiser Steel Corp.	1991	Kaiser Steel Corp.	---
Kanawha Coal Co.	604	Pickands Mather	Moore McCormack Resources
Kaneb Services, Inc.	2005	Kaneb Services Inc.	---
Kann Coal Co., Inc.	840	Private	---
Kent Coal Mining Co.	6399	Rochester & Pittsburgh Coal Co.	---
Kentucky Carbon Corp.	3087	Carbon Fuel Co.	ITT Corp.
Kemmerer Coal Co.	4300	Private	---
Kentland Elkhorn Coal	14667	Pittston Co.	
Kermit Coal Co.	9372	A.T. Massey Co.	St. Joe Mineral
Kerr Coal	687	Energy Fuels Corp.	Private
Kerr McGee Coal Corp.	5068	Kerr McGee Corp.	---
Keystone Coal Mining Corp.	6399	Rochester & Pittsburgh Coal Co.	---
King Coal Co.	2005	R.L. Burns Co.	
King Knob Coal Co.	1407	Private	---
Kitchikan Fuel Corp.	633	Hawley Fuel Corp.	Belco Petroleum
Knife River Coal Mining Co.	4817	Montana, Dakota Utilities	---
Laurel Run Mining	595	Virginia Electric and Power Co.	---
LEECO, Inc.	2005	Kaneb Services, Inc.	---
Leslie Coal Mining Co.	692	Pickands Mather	Moore McCormack Resources
Leslie Coal Co.	9372	A.T. Massey	St. Joe Minerals
Lester Coal Co.	1855	Jon McCall Co.	Private
Luzerne Coal Co.	533	Private	---
Majestic Collieries Co.	1997	Soverign Coal Corp.	Private
Mapco	6378	Mapco	
Maple Meadow Mining Co.	2800	Cannelton Coal Co.	Algoma Steel Corp.
Marietta Coal Co., Inc.	782	Private	---
Masteller Coal Co.	510	Undetermined	---

DIRECTORY OF COAL PRODUCTION OWNERSHIP

Table #II (Continued)

OPERATING COMPANY	1979 PRODUCTION TONS X 10 ³	CONTROLLING COMPANY AND/OR CONTROL	SUBSIDIARY OF
Martin County Coal Corp.	9372	A. T. Massey	St. Joe Minerals
Marty Corp.	868	Private	---
A.T. Massey	9372	St. Joe Minerals	---
Mathies Coal Co.	49234	Consolidation Coal Co.	Conoco
Max-Ann Coal Co.	9372	A. T. Massey	St. Joe Minerals
McCoy Elkhorn Coal Co.	1340	General Energy Corp.	---
Mears Coal Co.	2370	Zapata Coal Sales Co.	Zapata Corp.
Medicine Bow	10500	J.V. Rocky Mt. Energy/Arch Mineral	Union Pacific Ashland Oil Hunt Industries Hunt Petroleum
M.F. Fetterolf Co., Inc.	2100	Private	---
Mid Continent Resources, Inc.	809	Private	---
Midland Coal Co.	1904	ASARCO, Inc.	---
Midway Coal	804	Aloe Coal	Private
Missouri Mining, Inc.	2589	American Industries and Resources	Private
Monterey Coal	8700	Exxon Coal	Exxon Corp.
Morris Coal, Inc.	1360	ADA Mining	Adams Resources and Energy, Inc.
Mountain Clay, Inc.	2005	Kaneb Services, Inc.	---
Mountain Drive Coal Co.	1612	Harvard Construction	Private
Mulga Coal Co.	565	Mead Corp.	---
Muskingum Mining Co.	562	S. Boich Mining Co.	---
Naco Mining	11573	North American Coal Co.	---
Nally & Hamilton Enterprises, Inc.	605	Private	
National Mines Corp.	3245	National Steel Corp.	---
Nemo Coal	513	Undetermined	---
Nerco	16380	Pacific Power & Light	---
North River Energy Corp.	3342	Republic Steel Corp.	---
North American Coal	11573	North American Coal	
Norton Coal Co.	1219	Rapoca Energy Corp.	Undetermined

DIRECTORY OF COAL PRODUCTION OWNERSHIP

Table #II (Continued)

OPERATING COMPANY	1979 PRODUCTION TONS X 10 ³	CONTROLLING COMPANY AND/OR CONTROL	SUBSIDIARY OF
Old Ben Coal Co.	10044	Standard Oil of Ohio	53 percent interest held by BP
Oglebay Norton Co.	790	Oglebay Norton Co.	---
Ohio Coal & Construction Corp.	2589	American Industries & Resources	Private
Ohio River Collieries	769	Private	---
Omar Mining	9372	A. T. Massey	St. Joe Minerals
Ora Mae Coal Co.	9372	A. T. Massey	St. Joe Minerals
Paramont Mining Corp.	1900	Barber Oil Corp.	---
Peabody Coal Co.	64423	Peabody Consortium	(See Table #I)
Penn Allegh Coal Co.	639	Private	---
Peerless Eagle Coal Co.	9372	A. T. Massey	St. Joe Minerals
Penn Pocahontas Coal Co.	2100	M. F. Fetterolf Coal Co.	Private
Penn. Mines Corp.	2894	Penn. Power & Light	---
Permac, Inc.	1855	Lester Coal Co.	Jon McCall Private
Peter Cave Coal Co.	9372	A. T. Massey	St. Joe Minerals
Peter Kiewit & Sons	10077	Private	---
Peter White Coal Mining Co.	633	Hawley Fuel Corp.	Belco Petroleum
Phillips Coal, Inc.	2005	Kaneb Services, Inc.	---
Pikco Coal Co., Inc.	9372	A. T. Massey	St. Joe Minerals
Pikeville Coal Co.	878	Moore McCormack Resources	---
Piney Creek Coal Co.	9372	A. T. Massey	St. Joe Minerals
Pioneer Coal Co., Inc.	1855	Lester Coal	Jon McCall Private
Pittston Coal Co.	14667	Pittston Coal Co.	---
Pittsburgh & Midway Coal Co.	9265	Gulf Oil	---
Plastics Universal Corp.	1360	ADA Mining	Adams Resources and Energy, Inc.
Pond Creek Mining	9372	A. T. Massey	St. Joe Minerals
Power Operating Co.	884	Undetermined	
Puskarich Mining, Inc.	811	Cravat Coal Co.	Private
Pyro Mining Co.	2005	JV Consolidated Oil & Gas & R. L. Burns	---

DIRECTORY OF COAL PRODUCTION OWNERSHIP

Table #II (Continued)

OPERATING COMPANY	1979 PRODUCTION TONS X 10 ³	CONTROLLING COMPANY AND/OR CONTROL	SUBSIDIARY OF
Quality Coal Co.	566	Private	
Quarto Mining Co.	11573	North American Coal Co.	---
R & F Coal Co.	3536	Shell Oil Co.	---
Race Fork Coal Corp.	1855	Lester Coal Sub Jon McCall	Private
Ranger Fuel Corp.	14667	Pittston Co.	---
Rapoca Energy Corp.	1219	Undetermined	---
Ray Coal Co.	620	Whittier Coal Co.	Private
R. L. Burns Co.	2005	R. L. Burns Co.	---
Republic Steel Corp.	3342	Republic Steel Corp.	---
Resource Exploration & Mining, Inc.	596	Energy Development Contractor For	Iowa Public Service
Ridgeway Fuel, Inc.	2370	Zapata Coal Sales Co.	Zapata Corp.
River Hill Coal Co., Inc.	855	Tosco Corp	---
River Processing Co.	769	Par Gas	
Robinson Phillips Coal Co.	9372	A. T. Massey	St. Joe Minerals
Rochester & Pittsburgh Coal Co.	6399	Rochester & Pittsburgh Coal Co.	---
Rocky Mountain Energy	10500	Union Pacific	---
Rocky Hollow Coal Co.	9372	A. T. Massey	St. Joe Minerals
Rosebud Coal Sales Co.	13077	Peter Kiewit & Sons	Private
Rushton Mining Co.	2894	Penn. Mines Corp.	Penn Power & Light Co.
Sahara Coal Co.	1374	Private	---
Sandy Fork Mining Co., Inc.	651	Undetermined	---
Scotts Branch Co.	585	Pickands Mather	Moore McCormack Resources
Scotia Coal Co.	1701	Blue Diamond Coal Co.	Private
Semet - Solvay	1005	Allied Chemical Corp.	---
Sewell Coal Co.	14667	Pittston Co.	---
Shamrock Coal Co.	7931	Elk River Resources	Sun Co.
Shannon Coal Co.	5912	C & K Coal Co.	Gulf Resources & Chemical Co.
Sidwell Brothers	724	Central Ohio Coal Co.	Sub Contractor For: American Electric Power

DIRECTORY OF COAL PRODUCTION OWNERSHIP

Table #II (Continued)

OPERATING COMPANY	1979 PRODUCTION TONS X 10 ³	CONTROLLING COMPANY AND/OR CONTROL	SUBSIDIARY OF
Simron Fuel Co. Inc.	9372	A. T. Massey	St. Joe Minerals
Sky Haven Coal Inc.	584	Private	---
Solar Sources	726	Undetermined	---
Soldiers Creek Coal Co.	625	California Portland Cement	---
South East Coal Co.	924	Private	---
South Hopkins Coal Co.	900	Private	---
Southern Appalachian Coal Co.	13342	American Electric Power	---
Southern Elkhorn Coal Co.	500	Crescent Industries Sub IMC Coal Development	International Minerals & Chemicals
Southern Ohio Coal Co.	13342	American Electric Power	---
Southwestern Illinois Coal	15884	Arch Mineral	Ashland Oil Hunt Petroleum Hunt Industries
Sovereign Coal Corp.	1997	Private	
Stahlman Coal Co.	5912	C & K Coal Co.	Gulf Resources & Chemicals
Stansbury & Co. Inc.	2005	Kaneb Services Inc.	---
Stansbury Coal	10500	JV Rocky Mt. Energy/ Ideal Basic Corp.	Union Pacific ---
Star Fires Coal	980	Harvard Const. Co.	Private
Stearns Mining Co.	1701	Blue Diamond Coal Co.	Private
Stott Coal Co. Inc.	2100	M F. Fetterolf Coal Co.	Private
Straight Creek Mining Co.	588	Harvard Const. Co.	Private
Sun Coal Co.	9372	A. T. Massey	St. Joe Minerals
Sunoco Energy Development Co.	7931	Sun Co. Inc.	---
Texas Utilities Co.	24716	Texas Utilities Co.	---
Thunder Basin Coal	6780	Atlantic Richfield Co.	---
Trace Fork Coal Co.	9372	A. T. Massey	St. Joe Minerals
Triple Elkhorn Mining Co.	2370	Zapata Coal Sales Co.	Zapata Corp.
Tug River Coal Co.	9372	A. T. Massey	St. Joe Minerals
Tunnelton Mining Co.	2894	Penn. Mines Corp.	Penn. Power & Light
UNC Plateau Mining Co.	1109	UNC Resources Inc.	---

DIRECTORY OF COAL PRODUCTION OWNERSHIP

Table #II (Continued)

OPERATING COMPANY	1979 PRODUCTION TONS X 10 ³	CONTROLLING COMPANY AND/OR CONTROL	SUBSIDIARY OF
Union Carbide Corp.	514	Union Carbide Corp.	
United Coal Cos.	6099	Private	
United States Fuel Co.	768	Sharon Steel Corp.	---
United States Steel Co.	14979	United States Steel	---
Universal Coal & Energy Co.	2589	American Industries and Resources	Private
Upshur Coals Co.	1757	Barnes & Tucker Co.	Alcoa Standard Corp.
Usibelli	710	Private	---
Utah International	7532	General Electric Co.	---
VP-5 Mining	19942	Island Creek Corp.	Occidental Petroleum Corp.
Valley Camp Coal Co.	4594	Quaker State Oil & Refining Co.	---
Valley Camp of Utah	4594	Valley Camp Coal Co.	Quaker State Oil & Refining Co.
Vantage Coal Corp.	5913	C & K Coal Co.	Gulf Resources & Chemicals
Vendale Coal Co.	670	Glacial Minerals	Undetermined
Virginia Crews Coal Co.	9372	A. T. Massey	St. Joe Minerals
Virginia Iron, Coal & Coke	1748	American Natural Resources	---
Virginia Mining Co.	9372	A. T. Massey	St. Joe Minerals
W-P Coal Co.	771	Consumers Mining Co.	Wheeling Pittsburgh Steel Co.
Walker Fayette Coal	15884	Arch Minerals	Ashland Oil Hunt Petroleum Hunt Industries
Walnut Coal Co.	9372	A. T. Massey	St. Joe Minerals
Washington Irrigation & Development	5000	JV Washington Water Power and Pacific Power & Light	Washington Irrigation & Development
West Ken Coal Corp.	537	Amca Resources	---
West Virginia Energies, Inc.	2589	American Industries & Resources	Private
West Virginia Rebel Co.	1180	Island Creek Coal Contractor For	Occidental Petroleum Corp.

DIRECTORY OF COAL PRODUCTION OWNERSHIP

Table #II (Continued)

OPERATING COMPANY	1979 PRODUCTION TONS X 10 ³	CONTROLLING COMPANY AND/OR CONTROL	SUBSIDIARY OF
Western Coal Co.	4001	JV Public Service of New Mexico and Tuscon Gas & Electric	---
Western Energy	11722	Montana Power Co.	---
Western Coal Corp.	1289	Island Creek Coal Affiliate of	Occidental Petroleum Corp.
Westmoreland Coal	7611	Westmoreland Coal	---
Westmoreland Resources	4948	Westmoreland Coal (60%) Penn. Virginia (16%) Morrison-Knudsen (24%)	
Windsor Power House Coal	13342	American Electric Power	---
Wolf Creek Collieries	9372	A. T. Massey	St. Joe Minerals
Wolverine Coal Co.	600	Industrial Fuels Corp.	Peoples Gas Co.
Wyodak Resource Development Corp.	2364	Black Hills Power & Light	---
Zapata Coal Sales Co.	2370	Zapata Corp.	---
Zeigler Coal Co.	4442	Houston Natural Gas Corp.	---
Youghiogheny & Ohio Coal Co.	1337	Panhandle Eastern Pipeline Corp.	---

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