

# Wyoming Coal Directory

Compiled by Gary B. Glass

## Public Information

### Circular 5

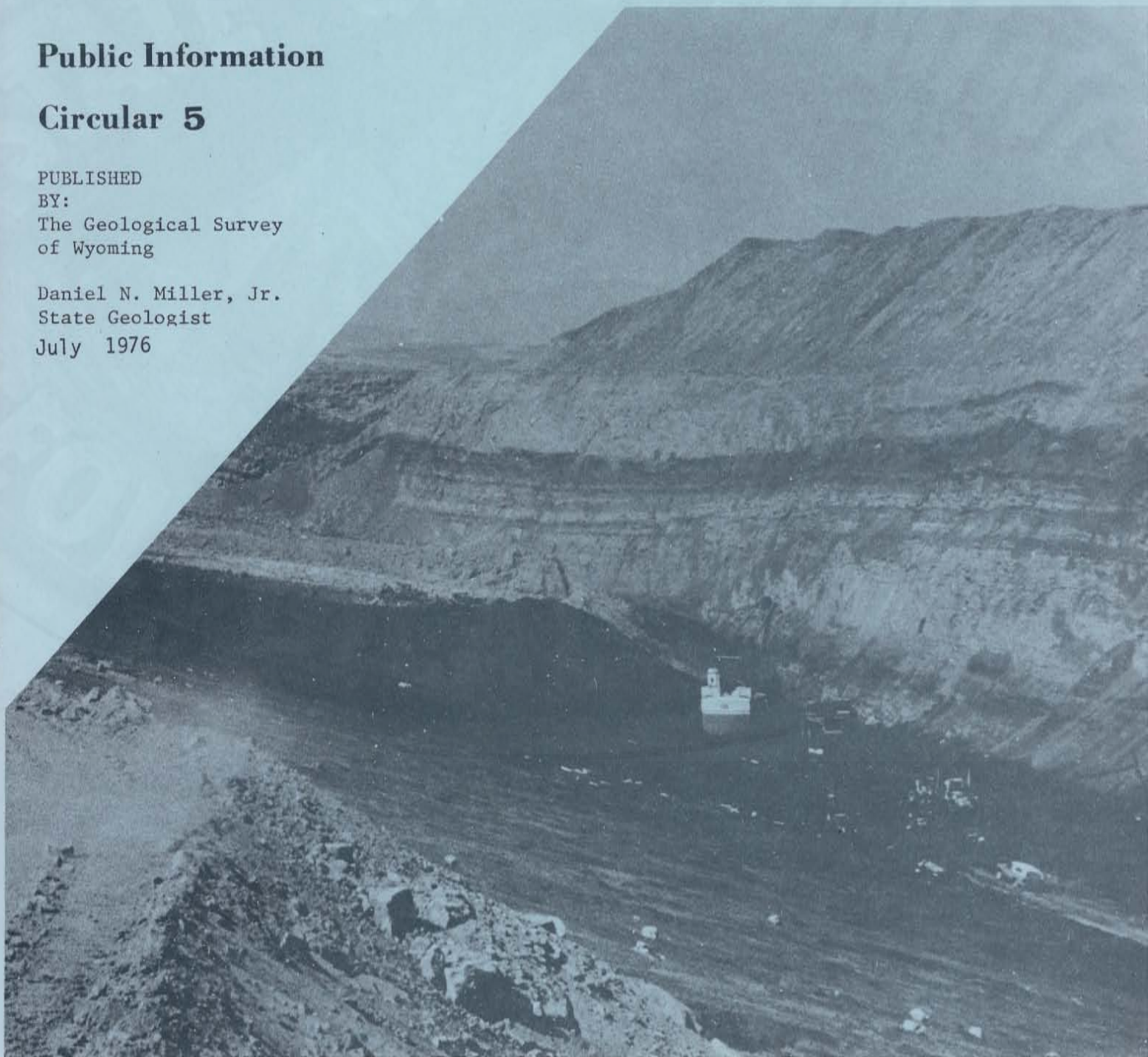
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BY:

The Geological Survey  
of Wyoming

Daniel N. Miller, Jr.  
State Geologist

July 1976





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## Public Information Circular 5

THE GEOLOGICAL SURVEY OF WYOMING  
DANIEL N. MILLER, JR.  
STATE GEOLOGIST

# CONTENTS

AGENCIES.....	1
COAL-FIRED POWER PLANTS.....	2
COAL CONVERSION PLANTS.....	3
COAL MINES.....	4
COKE PLANTS.....	16
IN-SITU EXPERIMENTS.....	17
TRANSPORTATION.....	18
ACTIVE & PROPOSED MINES.....	19
COAL PRODUCTION FORECAST.....	20

# AGENCIES

## COMMISSIONER OF PUBLIC LANDS

A. E. King, Commissioner  
Capitol Building  
Cheyenne, WY 82002  
(307) 777-7331

## DEPARTMENT OF ECONOMIC PLANNING AND DEVELOPMENT

John Niland, Director  
720 West 18th Street  
Cheyenne, WY 82001  
(307) 777-7284

### Mineral Development

John T. Goodier, Chief - Mineral  
Development  
(Address and phone as above)

## DEPARTMENT OF ENVIRONMENTAL QUALITY

Robert Sundin, Director  
Randolph Wood, Air Quality  
Arthur Williamson, Water Quality  
Walter Ackerman, Land Quality  
State Office Building West  
Cheyenne, WY 82002  
(307) 777-7391

## GEOLOGICAL SURVEY OF WYOMING

Daniel N. Miller, Jr., State  
Geologist and Director  
Room 103, Geology Building  
Box 3008, University Station  
Laramie, WY 82071  
(307) 742-2054 or 766-2286

### Coal Office

Gary B. Glass, Staff Geologist  
(Address and phone as above)

## NATURAL RESOURCES RESEARCH INSTITUTE

Walter E. Duncan, Division Director  
Room 205, NRRRI Building  
Box 3038, University Station  
Laramie, WY 82071  
(307) 766-3322 or 766-3333

## OFFICE OF INDUSTRIAL SITING ADMINISTRATION

Blaine E. Dinger, Director  
Suite 500, Boyd Building  
Cheyenne, WY 82002  
(307) 777-7368

## OFFICE OF LAND USE ADMINISTRATION

James G. Ahl, Executive Director  
Suite 500, Boyd Building  
Cheyenne, WY 82002  
(307) 777-7493

## STATE ENGINEER'S OFFICE

George Christopoulos, State Engineer  
State Office Building  
Cheyenne, WY 82002  
(307) 777-7354

## STATE INSPECTOR OF MINES

Marino Pierantoni, State Inspector  
of Mines  
P. O. Box 1094  
Rock Springs, WY 82901  
(307) 362-5222

## STATE PLANNING COORDINATOR

David Freudenthal  
2320 Capitol Avenue  
Cheyenne, WY 82002  
(307) 777-7574

## U. S. BUREAU OF LAND MANAGEMENT

Dan Baker, Wyoming State Director  
Bureau of Land Management Office  
Federal Building  
Cheyenne, WY 82001  
(307) 778-2220

## U. S. BUREAU OF MINES

Charles Koch  
Liaison Officer for Wyoming  
P. O. Box 1796  
Cheyenne, WY 82001  
(307) 778-2220 ext. 2481

## U. S. DEPARTMENT OF AGRICULTURE

Milo Jean Hassell  
Forest Service  
Surface Environment and Mining  
(SEAM)  
145 Grand Avenue  
Billings, MT 59103  
(406) 245-3143

## U. S. ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION

Andrew Decora, Research Director  
Laramie Energy Research Center  
P. O. Box 3395  
365 North 9th Street  
Laramie, WY 82070  
(307) 742-2115

## U. S. GEOLOGICAL SURVEY

Elmer M. Schell, Regional Geologist  
Branch of Mineral Classification  
2001 Federal Building  
P. O. Box 2372  
Casper, WY 82601  
(307) 265-5550 ext. 3421

### Northern Area

Al Czarnowsky, Mining Supervisor  
Mining Branch, Conservation Division  
Post Office Building  
Billings, MT  
(406) 245-6711 ext. 6181

### Southern Area

J. Paul Storrs, Area Mining Super-  
visor  
Mining Branch, Conservation Division  
Room 6029, Federal Building  
Denver, CO 80202  
(303) 234-3984

### Western Area

Jack Moffitt, Area Mining Supervisor  
Mining Branch, Conservation Division  
8432 Federal Building  
125 South State Street  
Salt Lake City, UT 84111  
(801) 524-5646

## UNIVERSITY OF WYOMING DEPARTMENT OF MINERAL ENGINEERING

Dr. Donald L. Stinson, Head  
Engineering Building, Room 436  
University Station  
Laramie, WY 82071  
(307) 766-5186 or 766-5185

## WYOMING MINING ASSOCIATION

William H. Budd, Jr., Executive  
Secretary  
310 West Midwest Avenue  
P. O. Box 3076  
Casper, WY 82601  
(307) 265-7060

# COAL-FIRED POWER PLANTS

## BASIN ELECTRIC POWER COOPERATIVE

316 North 5th Street  
Bismarck, ND 58501

(See Missouri Basin Power Project)

## BLACK HILLS POWER AND LIGHT COMPANY

N. G. Simpson, President  
W. G. Westre, Vice Pres. Engr.  
625 Ninth Street  
Rapid City, SD 57701  
(605) 348-1700

### Neil Simpson Plant (Air-cooled)

Campbell Co.; Wyodak, WY  
T.50N., R.71W., Section 27  
Capacity: 27.7 MW° (Will be dismantled after completion of the Wyodak plant)  
Fuel requirements: .2 mtpy<sup>†</sup>

### Osage Plant

Weston Co.; Osage, WY  
T.46N., R.63W., Section 15  
Capacity: 34.5 MW  
Fuel requirements: .24 mtpy

### Proposed Wyodak Plant (Air-cooled)

Campbell Co.; Wyodak, WY  
T.50N., R.71W., Section 27  
Planned capacity: 330 MW by 1977  
(1st unit)  
Expansion: 360-660 MW by 1982  
(2nd unit)  
Total planned capacity: 690-990 MW by 1982  
Fuel requirements: 2.5-4 mtpy max.

## IDAHO POWER COMPANY

(See Pacific Power & Light Co.'s Jim Bridger Plant)

\*tpy - tons per year  
\*\*myn - million  
†mtpy - million tons per year  
°MW - megawatt or 1 million watts

## MISSOURI BASIN POWER PROJECT

(Joint venture of Basin Electric, Tri-State Generation and Transmission and others)

Lloyd Ernst, Wyoming Manager  
1810 Capitol Avenue  
Cheyenne, WY 82002  
(307) 634-7955

### Proposed Laramie River Station

Platte Co.; Wheatland, WY  
T.25N., R.67W., Section 21  
Planned capacity: 500 MW by 1979  
(1st unit)  
Expansion: 500 MW by 1981 (2nd unit)  
500 MW by 1982-83  
(3rd unit)  
Fuel requirements: 5.5 mtpy max.

## MONTANA-DAKOTA UTILITIES COMPANY

W. W. Kroeber, Vice President  
400 N. 4th Street  
Bismarck, ND 58501  
(701) 224-3000

### Acme Plant

Sheridan Co.; Acme, WY  
T.57N., R.84W., Section 21  
Capacity: 12 MW  
Fuel requirements: 26,000 tpy\*  
(May be shut down in 1976 or 1977)

## PACIFIC POWER & LIGHT COMPANY

C. P. Davenport, Vice President  
920 S.W. 6th Avenue  
Portland, OR 97204  
(503) 243-1122

### Dave Johnston Plant

Converse Co.; Glenrock, WY  
T.33N., R.74W., Section 18  
Capacity: 750 MW  
Fuel requirements: 2.8 mtpy

### Jim Bridger Plant

Sweetwater Co.; Point of Rocks, WY  
T.20N., R.103W., Section 3  
Capacity: 1000 MW  
Expansion: 500 MW by 1978 (3rd unit)  
500 MW by 1980 (4th unit)  
Total planned capacity: 2000 MW by 1980's  
Fuel requirements: 7.5 mtpy max.

(Pacific Power & Light cont.)

### Proposed Wyodak (Air-cooled)

(See details under Black Hills Power & Light)

### Proposed Sheridan Plant

Sheridan Co.; no specific site  
Planned capacity: 500 MW by mid 1980's  
Fuel requirements: 1.5 mtpy  
(In study stage with sites in Washington and Oregon also under consideration; coal would be supplied from a mine in Sheridan Co., WY or from the Decker mine in MT even if the plant wasn't built in Wyoming; considering shipping coal by rail or slurry pipeline if necessary.)

## TIPPERARY CORPORATION

Midland, TX

### Proposed Ucross Plant

Sheridan or Johnson Co.; Ucross, WY  
No specific site or plans given  
(Status unclear at this time.)

## TRI-STATE GENERATION AND TRANSMISSION ASSOCIATION, INC.

P. O. Box 29198  
Northglenn, CO 80229

(See Missouri Basin Power Project)

## UTAH POWER AND LIGHT COMPANY

D. L. Bryner, Vice President  
P. O. Box 899  
1407 West North Temple  
Salt Lake City, UT 84110  
(801) 350-3310

### Naughton Plant

Lincoln Co.; Kemmerer, WY  
T.21N., R.116W., Section 32  
Capacity: 710 MW (3 units)  
Expansion: 430 MW by 1978 (4th unit)  
430 MW by 1979 (5th unit)  
Total planned capacity: 1570 MW by 1979  
Fuel requirements: 5 mtpy max.

# COAL CONVERSION PLANTS

## CARTER OIL COMPANY

F. L. Linauer  
P. O. Box 120  
Denver, CO 80201  
(303) 761-6470

Type of plant: Gasification  
Size of plant: 250 mmcf/day  
Status: Study and planning began in 1974; possibly planned for the 1980's, although status unclear  
Location: Probable site in T.51N., R.82W. (Campbell County)

## CHAMPLIN PETROLEUM COMPANY

Fort Worth, TX

Type of plant: Gasification  
Size of plant: 250 mmcf/day  
Status: Studying feasibility  
Location: Southern Wyoming

## COLORADO INTERSTATE GAS COMPANY

2951 Chambers Road  
Denver, CO 80239  
(303) 364-2631

Type of plant: Gasification  
Size of plant: Unspecified  
Status: Studying feasibility  
Location: Southwestern Wyoming  
(Sweetwater County)

## NORTHERN NATURAL GAS COMPANY

(Joint venture with Peabody Coal  
Co. and Cities Service Gas Co.)

J. R. Brady  
2223 Dodge Street  
Omaha, NE 68102  
(402) 348-4979

Type of plant: Gasification  
Size of plant: 250 mmcf/day  
Status: Studying feasibility of building four plants in Montana and/or Wyoming; current status unclear  
Location: Montana and Wyoming

## PANHANDLE EASTERN PIPE LINE COMPANY

G. J. Kurk, Vice President  
P. O. Box 1642  
Houston, TX 77001

(See Wyoming Coal Gas Company)

## TEXACO, INC.

Jim Logan  
Wyoming Division  
Story, WY 82842  
(307) 683-2830

Type of plant: Gasification  
Size of plant: Demonstration  
Status: Filed application for joint funding by ERDA in 1975; application denied in June, 1976; current status unclear  
Location: Sheridan or Johnson County  
WYOMING COAL GAS COMPANY

(Joint venture of Wy Coal Gas, Inc., a subsidiary of Panhandle Eastern Pipe Line Co., and Rochelle Coal Co., a subsidiary of Peabody Coal Co.)

H. R. Newsom  
P. O. Box 1642  
Houston, TX 77001  
(713) 664-3401 or 800-442-6910 (a toll free information number)

Type of plant: Gasification  
Size of plant: 270 mmcf/day  
Status: Planned for completion in 1979-1980  
Location: T.35N., R.70W., Section 14 (Converse County)  
Coal requirements: 9.2 mtpy  
Water requirements: 4,750-11,000 acre ft./yr.  
Cost: \$1.3 billion

# COAL MINES

## AMAX COAL COMPANY

W. H. Hopper, President  
105 S. Meridian Street  
Indianapolis, IN 46225  
(317) 266-2626

or

Jack Lautenschlager, General Manager  
205 Ross  
Gillette, WY 82716  
(307) 682-8857

Federal coal leases: 2 leases  
totaling 5,880.31 acres (Campbell  
County)

State coal leases: 1 lease of 640  
acres (Campbell County)

### Belle Ayr South (strip)

A.J. Arnold, Mine Superintendent  
P. O. Box 1880  
Gillette, WY 82716  
(307) 682-7295

Campbell Co.; south of Gillette  
T.48N., R.71W., Section 34  
Coal field: Powder River  
Coal name: Wyodak-Anderson  
Rank: Subbituminous  
Coal thickness: 70 ft.  
Overburden: 15-200 ft. (30 ft. now)  
Mining method: Shovel-truck  
Opened: 1972  
1975 production: 3,288,000 tons  
Est. 1976 production: 5 myn\*\* tons  
Est. 1980 production: 10-15 myn  
tons

Employees, 1975: 75  
Est. employees, 1976: 150  
Est. employees, 1980: 225-250  
Est. employees, 1985: 225-300  
Unit trains, 1975: 7-9 trains/week  
Est. total reserves: 400 myn tons

### Proposed Belle Ayr North (strip)

Campbell Co.; north of Gillette  
T.51N., R.72W., Section 27  
Coal field: Powder River  
Coal name: Wyodak-Anderson  
(2 benches)  
Rank: Subbituminous  
Coal thickness: 50-120 ft; 15-80 ft.  
Overburden: max. 200 ft.  
Mining method: Unknown  
Opened: Planned for 1977  
Est. 1985 production: 15-20 myn tons  
Est. employees, 1980: 250  
Est. employees, 1985: 250-300  
Est. total reserves: 500 myn tons

## (Amax Coal Company cont.)

### Amax Contracts

American Electric Power Co. (AEP),  
New York, NY  
Barges some coal into the Ohio  
River Valley; no details

Indiana & Michigan Electric Co. (AEP)  
Sullivan, IN  
25 yr. contract for est. 200 myn  
tons @ 7-10 mtpy; begins 1976;  
for 2600 MW power plant (probably  
expansion of Breed Plant)

Iowa Southern Utilities Co.  
Burlington, IA  
No contract details; may no longer  
be active; began before 1975; for  
207 MW Burlington Plant.

Kansas Gas and Electric Co. and  
Kansas City Power & Light Co.  
La Cygne (Kansas City), MO  
20 yr. contract for est. 20 myn  
tons @ 1 mtpy begins 1976; for  
630 MW La Cygne Station power plant.

Kansas Power & Light Co.  
St. Mary's (Topeka), KS  
40 yr. contract for 200 myn tons  
@ est. 5 mtpy; begins 1978; for  
2800 MW power plant.

Portland General Electric Co.  
Boardman, OR  
24 yr. contract for est. 30 myn  
tons @ 1.2 mtpy; begins 1979; for  
550 MW Boardman Station (Est. \$6-  
6.50 per ton FOB mine).

Public Service Company of Colorado  
Denver, CO  
No contract details; began in 1973;  
for power plant (est. 1 mtpy).

Public Service Company of Colorado  
Pueblo, CO  
20 yr. contract for 20 myn tons @  
est. 1 mtpy began 1973; for 350  
MW Comanche Plant.

Southwestern Electric Power Co.  
Avinger (Cason), TX  
25 yr. contract for 42.5 myn tons  
@ est. 3.5 mtpy begins 1976; for  
528 MW Welsh Plant and 530 MW  
Cason Plant

Southwestern Electric Power Co. and  
Arkansas Electric Co-Operative Corp.  
Siloam Springs, AR  
Contract for 1.75 mtpy begins 1980;  
no other details; for 530 MW Flint  
Creek Plant

Est. 1980 production based on these  
contracts is 24.5 mtpy.

## ARCH MINERAL CORPORATION

(Joint venture of Hunt Enterprises  
and Ashland Oil Co.)

W. G. Heckman, President  
500 N. Broadway  
St. Louis, MO 63102  
(314) 231-1010

Federal coal leases: 10 leases  
totaling 11,815.99 acres (Carbon  
County) lessee listed as Ark Land  
Co. or Medicine Bow Coal Co.  
State coal leases: 90 leases total-  
ing 84,253.35 acres (9 counties)

### Seminole No. 1

John Hamby, Mine Superintendent  
Box 459  
Hanna, WY 82327  
(307) 325-6581

Carbon Co.; west of Hanna  
T.22N., R.83W., Section 7  
Coal field: Hanna  
Coal names: Bed No. 24, Bed No. 25  
Rank: Subbituminous  
Coal thickness: 19-22 ft., 4-7 ft.  
Overburden: 40-200 ft.  
Mining method: Dragline  
Opened: 1972  
1975 production: 2,759,168 tons  
Est. 1976 production: 3 myn tons  
Est. 1980 production: 3 myn tons  
Employees, 1975: 120  
Est. employees, 1976: 135  
Est. employees, 1980: 165  
Unit trains, 1974: 6-7 trains/week  
Est. total reserves: 75 myn tons

### Seminole No. 2 (strip)

Bob Wunderlich, Mine Superintendent  
(Address as above)  
(307) 325-6556

Carbon Co.; north of Hanna  
T.22N., R.81W., Section 4  
Coal field: Hanna  
Coal name: Hanna No. 2  
Rank: Subbituminous  
Coal thickness: 35 ft.  
Overburden: 40-250 ft.  
Mining method: Dragline  
Opened: 1972  
1975 production: 2,941,432 tons  
Est. 1976 production: 2.5 myn tons  
Est. 1980 production: 1.9-2.3 myn  
tons  
Employees, 1975: 85  
Est. employees, 1976: 85  
Est. employees, 1980: 85  
Unit trains, 1974: 4-5 trains/week  
Est. total reserves: 75 myn tons



(Arch Mineral Corp. cont.)

Proposed China Butte Area  
(strip)

(Joint venture with Rocky Mountain  
Energy Co.)

Carbon Co.; southwest of Rawlins  
T.18N., T.91W., Section 15  
Coal field: Little Snake River  
Coal names: Ft. Union coals desig-  
nated A-G  
Rank: Subbituminous  
Coal thickness: Range from 4-26 ft.  
Overburden: Max. 150 ft.  
Mining Method: Dragline-shovel-  
truck  
Opened: Planned 1979  
Est. 1980 production: 1-4 myn tons  
Est. employees, 1980: 100  
Unit trains: Yes  
Est. total reserves: 144 myn tons

Arch Mineral Contracts

Commonwealth Edison Co.  
Hammond, IN and Waukegan, IL  
Contract for est. 3 mtpy began  
1973; no other details; for 944 MW  
State Line Plant and 1047 MW  
Waukegan No. 1 Plant.

Kansas City Power & Light Co.  
Kansas City, MO  
Contract for 1 mtpy began 1973;  
no other details; for power plant.

Wisconsin Electric Power Co.  
Milwaukee, WI  
11 yr. contract for 8 myn tons @  
est. 750,000 tpy; for 1500 MW Oak  
Creek Plant

Other miscellaneous shipments to  
Nebraska and Iowa power plants.

Est. 1980 production based on these  
contracts is 4.9 mtpy.

ATLANTIC RICHFIELD

Hugh Evans, Coal Operations Manager  
1500 Security Life Building  
Denver, CO 80202  
(303) 573-3518

or

Brook Beard  
316 South Gillette Avenue  
Gillette, WY 82716

(Atlantic Richfield cont.)

Federal coal leases: 3 leases total-  
ing 11,684.31 acres (Campbell  
County)

State coal leases: 32 leases total-  
ing 32,757.73 acres (Campbell and  
Converse Counties)

Proposed Black Thunder  
(strip)

Campbell Co.; south of Gillette  
T.43N., R.70W., Section 27  
Coal field: Gillette  
Coal name: Wyodak-Anderson  
Rank: Subbituminous C  
Coal thickness: 60-73 ft.  
Overburden: 15-240 ft.  
Mining method: Shovel-truck  
Opened: Planned for 1977-1979  
Est. 1980 production: 10 myn tons  
Est. employees, 1980: 225-500  
Unit trains: Planned  
Est. total reserves: 725 myn tons

Proposed Coal Creek  
(strip)

Campbell Co.; south of Gillette  
T.46N., R.70W., Section 18  
Coal field: Gillette  
Coal name: Wyodak-Anderson  
Opening: Planned for late 1970's  
Est. 1980 production: 5-10 myn tons  
Est. employees, 1985: 250-400

Atlantic Richfield Contracts

Nebraska Public Power District  
Sutherland, NB  
20 yr. contract for est. 36 myn  
tons @ 1.8 mtpy begins 1977; for  
600 MW Gerald Gentleman Station

Oklahoma Gas & Electric Co.  
Muskogee, OK  
20 yr. contract for est. 60 myn  
tons @ 3 mtpy begins 1976; for  
1100 MW Muskogee Plant

Southwestern Public Service Co.  
Amarillo, TX  
20 yr. contract for est. 40 myn  
tons @ 2 mtpy begins 1975; for  
720 MW Harrington #1 Plant

Est. 1980 production based on these  
contracts is 6.8 mtpy.

BIG HORN COAL COMPANY

(Subsidiary of Peter Kiewit Sons, Co.)

John F. Ratchye, Vice President  
Box 724  
Sheridan, WY 82801  
(307) 672-3401 or 674-6415

Federal coal leases: 1 lease of 80  
acres (Sheridan County)  
State coal leases: 1 lease of 640  
acres (Sheridan County)

Big Horn No. 1  
(strip)

Ed Temple, Mine Superintendent  
(Address and phone as above)

Sheridan Co.; north of Sheridan  
T.57N., R.84W., Section 22  
Coal field: Sheridan  
Coal names: Monarch, Dietz #3;  
Dietz #2

Rank: Subbituminous  
Coal thickness: 22-26 ft., 21-25 ft.,  
10-11 ft.

Overburden: 15-250 ft.  
Mining method: Scraper-shovel-truck  
Opened: 1944  
1975 production: 787,123 tons  
Est. 1976 production: 1 myn tons  
Est. 1980 production: 1.5 myn tons  
Employees, 1975: 80  
Est. employees, 1976: 80  
Est. employees, 1980: 80  
Unit trains: No

Big Horn Contracts

Illinois Power Co.  
Havana, IL  
Contract began prior to 1974; no  
other details; for 260 MW Havana  
Plant

Kansas City Power & Light Co.  
Kansas City, MO  
Contract for est. 350,000 tpy began  
before 1973; no other details; for  
power plant

Northern States Power Co.  
Sioux Falls, SD  
Contract began before 1973; no  
other details; for 45 MW Lawrence  
Plant

Northwestern Public Service Co.  
Aberdeen & Mitchell, SD  
Contract began before 1973; no  
other details; for 12.5 MW Aberdeen  
Plant and 12.5 MW Mitchell Plant

(Big Horn Coal Co. cont.)

Also marketed to Great Western Sugar in Nebraska and Montana; Montana-Dakota Utilities in Wyoming; other industrial and domestic users in South Dakota, Idaho, Iowa, North Dakota, Minnesota, Washington, and Wyoming

Est. 1980 production from these contracts is 1.5 million tons.

**BITTER CREEK COAL COMPANY**

(Subsidiary of Rocky Mountain Energy Company)

Suite 500, 1st National Bank Bldg.  
621 17th Street  
Denver, CO 80202  
(303) 893-3737

(See Black Butte Coal Co.)

**BLACK BUTTE COAL COMPANY**

(Joint venture of Bitter Creek Coal Co., a subsidiary of Rocky Mountain Energy Co., and Wytana, Inc. a subsidiary of Peter Kiewit Sons, Co.)

P. O. Box 724  
Sheridan, WY 82801  
(307) 672-3401

Federal coal leases: 5 leases totaling 14,900 acres were issued in March 1976 under Rosebud Coal Sales  
State coal leases: None

**Proposed Black Butte (strip)**

Jim Wilson, Mine Manager  
Black Buttes Coal Company  
Box 98  
Point of Rocks, WY 82942  
(307) 362-6613

Sweetwater Co.; near Point of Rocks T.19N., R.100W., Section 27  
Coal field: Rock Springs  
Coal names: Deadman, Ute, Lebar, Nuttal, Overland, Gibraltar, Black Butte, Maxwell, and Hall  
Rank: Subbituminous  
Coal thickness: 5-26 ft.  
Overburden: 40-150 ft.  
Mining method: Dragline

(Black Butte Coal Co. cont.)

Opened: Planned for 1978  
Est. 1980 production: 4-4.5 myn tons  
Est. 1980 employees: 200-220  
Unit trains: Planned  
Est. total reserves: 83-110 myn tons

**Black Butte Contracts**

Idaho Power Co.  
Near Boise, ID  
20 yr. contract for 82.6 myn tons @ 4-4.5 mtpy begins 1977; for 1000 MW power plant

Est. 1980 production from this contract is 4-4.5 mtpy.

**BRIDGER COAL COMPANY**

(Subsidiary of Pacific Power & Light Company)

920 S. W. 6th Avenue  
Portland, OR 97204  
(503) 226-7411

Federal coal leases: 3 leases totaling 8,435.68 acres (Sweetwater County)  
State coal leases: 1 lease of 1,280 acres (Sweetwater County)

**Jim Bridger (strip)**

Andrew Franklin, Mine Manager  
P. O. Box 1688  
Rock Springs, WY 82901  
(307) 382-9741

Sweetwater Co.; near Point of Rocks T.21N., R.100W., Section 20  
Coal field: Rock Springs  
Coal names: Deadman (upper & lower)  
Rank: Subbituminous  
Coal thickness: 15-30 ft.  
Overburden: 40-150 ft.  
Mining method: Dragline  
Opened: 1974  
1975 production: 1,862,125 tons  
Est. 1976 production: 1.8 myn tons  
Est. 1980 production: 7.5 myn tons  
Employees, 1975: 22  
Est. employees, 1976: 30-50  
Est. employees, 1980: 200  
Unit trains: No; mine mouth plant  
Est. total reserves: 140 myn tons

(Bridger Coal Co. cont.)

**Jim Bridger Contracts**

Pacific Power & Light Co. and Idaho Power Co.  
Point of Rocks, WY  
140 myn tons are dedicated to the 2000 MW Jim Bridger Plant @ up to 7.5 mtpy

**CARTER MINING COMPANY**

(Subsidiary of Exxon Corporation)

C. E. Smith, Jr., President  
P. O. Box 120  
Denver, CO 80201  
(303) 761-2950

or

Box 209  
Gillette, WY 82716  
(307) 682-7253

Federal coal leases: 4 leases totaling 15,570.5 acres (Campbell County)  
State coal leases: 158 leases totaling 152,655.19 acres (4 counties)

**Proposed North Rawhide (strip)**

Campbell Co.; north of Gillette, WY T.51N., R.72W., Section 13  
Coal field: Powder River  
Coal name: Wyodak-Anderson (2 benches)

Rank: Subbituminous  
Coal thickness: 25 and 82 ft.  
Overburden: 20-240 ft.  
Mining method: Shovel-truck-scraper  
Opened: Planned for 1977  
Est. 1980 production: 5-12 myn tons  
Est. 1985 production: 22 myn tons  
Employees, 1976: 110  
Est. 1980 employees: 300  
Unit trains: Planned  
Est. total reserves: 680 myn tons  
**Proposed Coballo (strip)**

Campbell Co.; south of Gillette T.48N., R.71W., Section 16  
Coal field: Powder River  
Coal name: Wyodak-Anderson  
Rank: Subbituminous  
Coal thickness: est. 70 ft.  
Overburden: 20-200 ft.  
Mining method: Probably shovel-truck-scraper  
Opened: Planned for late 1976 or 1977

(Carter Mining Co. cont.)

Est. 1980 production: 2-5 myn tons  
Est. 1980 employees: 150  
Unit trains: Planned  
Est. total reserves: Unknown

(Announced intentions to open this mine on State and private lands because of the lack of a federal mining permit at the North Rawhide Mine. Current status unclear.)

Carter Contracts

Indiana & Michigan Electric Co. (AEP)  
IN

30 yr. contract for 150 myn tons @ 5 mtpy begins 1976; for 1300 MW power plant

Omaha Public Power District  
Nebraska City, NB

20 yr. contract for 31.6 myn tons @ 1.5 mtpy; begins 1978 (Est. \$5.20-5.30 per ton)

COLUMBINE MINING COMPANY

(Affiliate of Midcontinent Coal & Coke of Colorado)

J. A. Reeves, President  
P. O. Box 158  
Carbondale, CO 81623

or

P. O. Box 1356  
Rock Springs, WY 82901  
(307) 362-3078

Federal coal leases: 1 lease of 1,751.54 acres (Sweetwater County)  
State coal leases: None

Rainbow No. 8  
(deep)

Jim Diamanti, Mine Foreman  
P. O. Box 158  
Rock Springs, WY 82901  
(307) 362-3078 or 382-9691

Sweetwater Co.; near Rock Springs  
T.18N., R.105W., Section 23  
Coal field: Rock Springs  
Coal name: No. 7 bed  
Rank: Bituminous  
Coal thickness: 4-6 ft.  
Maximum depth: 300+ ft.  
Mining method: Continuous miners and conventional  
Opened: 1972

(Columbine Mining Co. cont.)

1975 production: 56,042 tons  
Est. 1976 production: 100,000 tons  
Est. 1980 production: 200,000 tons  
Employees, 1975: 71  
Est. employees, 1976: 70  
Est. employees, 1980: 70  
Unit trains: No

Columbine Contracts

Entire production is converted into synthetic coke at mine mouth plant. Coke is sold to Monsanto Company's phosphorous plant, Soda Springs, ID (formerly owned by Gunn-Quealy Coal Company).

DANA COAL COMPANY

(Subsidiary of Arch Mineral Corp.)

W. G. Heckman, President  
319 North 4th Street  
St. Louis, MO 63102  
(314) 231-1010

(See Medicine Bow Coal Company.)

DRAVO CORPORATION

Robert Dickey, III  
One Oliver Plaza  
Pittsburgh, PA 15222

(See Rocky Mountain Energy Company.)

DRUMMOND COMPANY

Garry N. Drummond, President  
P.O. Box 1549  
Jasper, AL 35501  
(205) 387-0501

(see Rocky Mountain Energy Company)

EL PASO NATURAL GAS COMPANY

(Joint venture with Western Fuel Association)

John P. Jones, Manager  
P. O. Box 1492  
El Paso, TX 79978

Federal coal leases: Only prospecting permits  
State coal leases: None

(El Paso Natural Gas Co. cont.)

Proposed Thunderbird  
(strip)

Campbell and Johnson Co.; east of  
Buffalo

T.50N., R.76W.

Coal field: Powder River  
Coal names: Felix and Ulm  
Rank: Subbituminous  
Coal thickness: 12-15 ft.  
Overburden: Less than 150 ft.  
Mining method: Unspecified  
Opened: Planned for late 1970's  
Est. 1980 production: 3-5 myn tons  
Est. 1980 employees: Unspecified  
Unit trains: Probable

El Paso Contracts

Western Fuel Association for 1500 MW Laramie River Station, Wheatland, WY, and for unspecified power plants in Colorado, North Dakota and Louisiana. No details on contracts.

ENERGY DEVELOPMENT COMPANY

(Subsidiary of Iowa Public Service Company)

Frank Griffith, President  
Box 778  
Sioux City, IA 55102  
(712) 277-7500

or

E. F. Ziolkowski, Vice President  
Harry Hedgepeth, Mine Manager  
P. O. Box 36  
Hanna, WY 82327  
(307) 325-6566 or 325-6725

Federal coal leases: None  
State coal leases: 1 lease of 640 acres (Carbon County)

Rimrock  
(strip)

Thomas Bennett, General Superintendent  
Resource Exploration & Mining  
Box 6  
Hanna, WY 82327  
(307) 325-6633

Carbon Co.; west of Hanna  
T.22N., R.82W., Sections 4 & 9  
Coal field: Hanna  
Coal name: Brooks

(Energy Development Co. cont.)

Rank: Subbituminous  
Coal thickness: 7.5 ft.  
Overburden: 40-80 ft.  
Mining method: Dragline  
Opened: 1970  
1975 production: 669,400 tons  
Est. 1976 production: 700,000 tons  
Est. 1980 production: ?  
Employees, 1975: 77  
Est. employees, 1976: 77  
Unit trains: See Vanguard No. 2

Vanguard No. 1  
(deep)

Carbon Co.; west of Hanna  
T.22N., R.82W., Section 8  
Coal field: Hanna  
Coal name: Bed No. 65  
Rank: Subbituminous  
Coal thickness: 9 ft  
Maximum depth: 300-400 ft.  
Mining method: Continuous miners  
Opened: 1971  
1975 production: Included with  
Vanguard No. 2  
Employees, 1975: 18  
Est. 1976 production: Mine closed  
Vanguard No. 2  
(deep)

Doyce Easterling, General Mine  
Foreman

P. O. Box 36  
Hanna, WY 82327  
(307) 325-6566

Carbon Co.; west of Hanna  
T.22N., R.82W., Section 18  
Coal field: Hanna  
Coal name: Bed No. 50  
Rank: Subbituminous  
Coal thickness: 9.5 ft.  
Maximum depth: 300 ft.  
Mining method: Continuous miners  
and conventional

Opened: 1974  
1975 production: 309,786 tons  
Est. 1980 production: 1-2 myn tons  
Employees, 1975: 134  
Est. employees, 1980: 150  
Unit trains: 2-3 trains/week

Vanguard No. 3

(Address and phone as above)

Carbon Co.; west of Hanna  
T.22N., R.82W., Section 7  
Coal field: Hanna  
Coal name: Bed No. 65  
Rank: Subbituminous

(Energy Development Co. cont.)

Coal thickness: 9 ft.  
Maximum depth: Unknown  
Mining method: Continuous miners  
and conventional  
Opened: 1975  
1975 production: Included with  
Vanguard No. 2  
Est. 1980 production: 300,000 tons  
Employees, 1975: 39  
Est. employees, 1980: 150  
Unit trains: See Vanguard No. 2

Proposed Red Rim Area  
(strip)

Carbon County; southwest of Rawlins  
T.20N., R.90W., Section 26  
Coal field: Little Snake River  
Coal name: Ft. Union coals design-  
ated A-H  
Rank: Subbituminous  
Coal thickness: 4-24 ft.  
Overburden: Max. 150 ft.  
Mining method: Unspecified  
Opened: Planned for 1979  
Est. 1980 production: 2-2.5 myn  
tons  
Est. employees, 1980: 100  
Unit trains: Probable  
Est. total reserves: 99 myn tons

Energy Contracts

Iowa Public Service Co.  
Salix, IA  
All production now dedicated to  
the 520 MW George Neal Plant

FALCON COAL CO., INC.  
(Falcon Seaboard, Inc.)

J. L. Jackson, President  
P. O. Box 629  
Jackson, KY 41339  
(606) 666-7581

Proposed Mine  
(strip)

Campbell Co.; south of Gillette  
T.51N., R.74W., Section 18, SW 1/4  
Coal field: Powder River  
Coal name: Felix  
Rank: Subbituminous  
Coal thickness: Unspecified  
Overburden: Unspecified  
Mining method: Unspecified  
Opened: Planned for 1977 or later  
Est. 1977 production: 350,000 tons  
Unit trains: Unlikely

FMC COAL COMPANY

609 W. Maple Street W.  
Pocatello, ID 83201

Federal coal leases: 3 leases total-  
ing 3,968 acres (Uinta and Lincoln  
Counties)  
State coal leases: None

Proposed FMC  
(strip)

Russell E. Hynes  
Natural Resources Dept.  
P.O. Box 431  
Kemmerer, WY 83101  
(307) 877-3916

Lincoln Co.; south of Kemmerer  
T.20N., R.117W., Section 27  
Coal field: Kemmerer  
Coal names: Adaville No. 1  
Rank: Subbituminous  
Coal thickness: 40-60 ft.  
Overburden: 40-120 ft.  
Mining method: Unknown  
Opened: Planned for 1976  
Est. 1976 production: 600,000 tons  
Est. 1980 production: 1-2 myn tons  
Est. 1976 employees: 50-60  
Est. 1980 employees: 60-100  
Unit trains: No

FMC Contracts

Most production will go to the FMC's  
Green River trona plant, Green  
River, Wyoming; some to FMC's pro-  
cess coke plant, Kemmerer, WY

HANNA BASIN COAL COMPANY

(Subsidiary of Rocky Mountain Energy  
Company)

Suite 900, 621 17th Street  
Denver, CO 80202  
(303) 893-3737

(See Medicine Bow Coal Co.)

IDEAL BASIC INDUSTRIES, INC.

Mayfield R. Shilling, President  
821 17th Street  
Denver, CO 80202  
(303) 222-5661

(See Stansbury Coal Company)

**KEMMERER COAL COMPANY**

John L. Kemmerer, Jr., Chairman  
120 Broadway  
New York, NY 10005  
(212) 732-0191

or

Roy Coulson, President  
Frontier, WY 83121  
(307) 877-4452

Federal coal leases: 6 leases total-  
ing 6,584.81 acres (Lincoln Co.)  
State coal leases: 41 leases total-  
ing 40,391.65 acres (3 counties)

Elkol  
(strip)

Mike Zakotnik, Jr., General Mgr.  
Frontier, WY 83120  
(307) 877-4452

Lincoln Co.; near Kemmerer  
T.21N., R.116W., Section 20  
Coal field: Kemmerer  
Coal name: Adaville No. 1  
Rank: Subbituminous B  
Coal thickness: 50-120 ft.  
Overburden: 130-160 ft.  
Mining method: Scraper-shovel-truck  
Opened: 1950  
1975 production: 1,015,833 tons  
Est. 1976 production: 900,000 tons  
Est. 1980 production: 1 myn tons  
Employees, 1975: 150  
Est. employees, 1976: 150  
Est. employees, 1980: 80-150  
Unit trains: No

Sorensen  
(strip)

Mike Zakotnik, General Manager  
(Address and phone same as above)

Lincoln Co.; near Kemmerer  
T.21N., R.116W., Section 19, 20, 31  
and T.20N., R.117W., Sections 2,  
3, 10  
Coal field: Kemmerer  
Coal names: Adaville No. 2 thru  
Adaville No. 11  
Rank: Subbituminous B  
Coal thickness: 4-35 ft.  
Overburden: 25-140 ft. (total re-  
lief in Big Pit approx. 300-400 ft.)  
Mining method: Combination of  
scrapers, draglines, shovels, and  
trucks  
Opened: 1963  
1975 production: 1,717,258 tons

(Kemmerer Coal Company cont.)

Est. 1976 production: 2.5 myn tons  
Est. 1980 production: 3-5 myn tons  
Employees, 1975: 240  
Est. employees, 1976: 240-350  
Est. employees, 1980: 350-400  
Unit trains: No

Proposed North Block Mine Area  
(strip)

Lincoln Co.; northwest of Kemmerer  
T.21N., R.116W., Section 5  
Coal field: Kemmerer  
Coal name: Adaville coals  
Rank: Subbituminous  
Coal thickness: 2.5-38 ft.  
Overburden: 40-240 ft. est.  
Mining method: Dragline  
Opened: ? Planned for 1978-1980  
Est. 1980 production: 2.4 myn tons  
Est. employees, 1980: Unspecified  
Unit trains: No

Kemmerer Contracts

Allied Chemical Co.  
Green River, WY  
Contract for up to 600,000 tons  
per yr., began 1973; no other de-  
tails, for Allied's trona plant

Amalgamated Sugar Co.  
Id and OR  
Contract for several hundred thou-  
sand tons per yr.; no other details;  
for beet sugar factories

Utah Power & Light Company  
Kemmerer, WY  
23 yr. contract for est. 100 myn  
tons @ 2.5-5 mtpy began prior to  
1973; uses all coal mined from the  
Sorensen mine; for 710 MW Naughton  
Plant (under expansion to 1540 MW)

Miscellaneous cement and domestic  
contracts in Utah, Wyoming and  
Nebraska

Est. 1980 production based on these  
contracts is 4-6 myn tons

**KERR-McGEE COAL CORPORATION**

(Subsidiary of Kerr-McGee Corporation)

Frank A. McPherson, President  
North Walker  
Kerr-McGee Bldg.  
Oklahoma City, OK 73102  
(405) 236-1313

(Kerr-McGee Coal Corp. cont.)

or

405 Church Street  
Gillette, WY 82716  
(307) 682-4721

or

Roy Smith, Wyoming Manager  
508 North Fenway  
Casper, WY 82601  
(307) 265-7811

Federal coal leases: 5 leases total-  
ing 8,695.19 acres (Campbell Co.)  
State coal leases: 14 leases total-  
ing 6,010.06 acres (4 counties)

Proposed East Gillette  
(strip)

Campbell Co.; east of Gillette  
T.50N., R.71W.  
Coal field: Gillette  
Coal name: Wyodak-Anderson  
Rank: Subbituminous  
Coal thickness: 50-75 ft.  
Overburden: Less than 200 ft.  
Mining Method: Unspecified  
Opened: Planned for 1979  
Est. 1980 production: 1-7 myn tons  
Est. 1985 production: 11-16 myn tons  
Est. employees, 1980: 100-250  
Unit trains: Planned  
Est. total reserves: 378 myn tons

Proposed East Gillette No. 16  
(strip)

Campbell Co.; east of Gillette  
T.50N., T.71W., Section 16  
Coal field: Gillette  
Coal name: Wyodak-Anderson  
Rank: Subbituminous  
Coal thickness: 50-75 ft.  
Overburden: Less than 200 ft.  
Mining method: Unspecified  
Opened: Planned for 1978  
Est. 1980 production: 4 myn tons  
Est. employees, 1980: 100  
Unit trains: Planned  
Est. total reserves: 68 myn tons

Proposed Jacobs Ranch  
(strip)

Campbell Co.; south of Gillette  
T.43N., R.70W., Section 15  
Coal field: Gillette  
Coal name: Wyodak-Anderson  
(3 benches)  
Rank: Subbituminous  
Coal thickness: 8 ft.; 43 ft; 6 ft.  
Overburden: 10-150 ft.

(Kerr-McGee Coal Corp. cont.)

Mining method: Shovel-truck  
Opened: Planned for 1977-1979  
Est. 1980 production: 9-16 myn tons  
Est. employees, 1980: 250-300  
Unit trains: Planned  
Est. total reserves: 319 myn tons

Kerr-McGee Contracts

Arkansas Power & Light Co.  
White Bluffs near Redfield, AR  
20 yr. contract for 100 myn tons  
@ 5 mtpy begins 1977; 10 yr option  
on another 50 myn tons; for 1600  
MW White Bluff Plant

Central Louisiana Electric Co.  
Boyce, LA  
20 yr. contract for 34 myn tons @  
est. 1.75 mtpy begins 1978; 10 yr.  
option on another 16 myn tons; for  
430-450 MW Rodemaker Station

Gulf States Utilities Co.  
Westlake near Lake Charles, LA  
20 yr. contract for 50 myn tons @  
est. 2.5 mtpy begins 1977; for two  
540-550 MW power plants

Public Service Company of Oklahoma  
16 yr. contract for 50 myn tons @  
est. 3.6 mtpy; begins 1978; for  
1080 MW Northeastern plant at  
Oolagah, OK

Est. 1980 production based on these  
contracts is 13.6 myn tons.

MAPCO COALS, INC.

(Division of Mapco, Inc.)

Frederick N. Murray, Chief Geologist  
Manager of Exploration and Land  
P. O. Box 3144  
Casper, WY 82601  
(307) 265-1410

Federal coal leases: None  
State coal leases: 148 leases total-  
ing 138,226.88 acres (5 counties)

(Hold a large number of contiguous  
state coal leases in Sheridan and  
Johnson counties; plans not yet  
announced).

MEDICINE BOW COAL COMPANY

(Joint venture of Hanna Basin Coal  
Co., a subsidiary of Rocky Mountain  
Energy Co., and Dana Coal Co., a sub-  
sidiary of Arch Mineral Corp.)

Cedric Hustace, Secretary  
550 North Broadway  
St. Louis, MO 63102  
(314) 231-1010

Federal coal leases: Listed under  
Arch Mineral (Ark Land)  
State coal leases: Listed under  
Arch Mineral (Ark Land)

Medicine Bow  
(strip)

Gene Grubaugh, Mine Superintendent  
Box R  
Hanna, WY 82327  
(307) 325-6586

Carbon Co.; west of Hanna  
T.23N., R.83W., Section 32  
Coal field: Hanna  
Coal names: Bed Nos. 62; 63; 64; 65;  
66

Rank: Subbituminous  
Coal thickness: 3-10 ft.  
Overburden: 20-200 ft.  
Mining method: Dragline  
Opened: 1975  
1975 production: 2,506,379 tons  
Est. 1980 production: 3-3.6 myn tons  
Employees, 1975: 132  
Est. employees, 1980: 135-300  
Unit train: 2-3 trains/week  
Est. total reserves: 36 myn tons

Medicine Bow Contracts

Iowa Public Service Co.  
Sioux City, IA  
Long term contract, but no details;  
possibly going to the 104 MW May-  
nard Plant, Waterloo, IA

Kansas City Power & Light Co.  
Topeka, KS  
Long term contract, but no details.

Northern Indiana Public Service Co.  
Wheatfield, IN  
10 yr. contract for 15 myn tons @  
est. 1.5 mtpy begins 1975; for 500  
MW Kankakee Valley Plant

Est. 1980 production based on these  
contracts is 3.0 myn tons.

MOBIL OIL CORPORATION

E. C. Hixson, Exploration Manager  
P. O. Box 5444  
Denver, CO 80217  
(303) 572-3636

(Holds large coal leases in Campbell  
and Johnson Counties; plans not yet  
firm; possible coal conversion  
plant in late 1980's; large contig-  
uous blocks of State coal leases in  
Johnson County contain an estimated  
500 myn tons of coal.)

Federal coal leases: 1 lease of 4000  
acres (Campbell County)  
State coal leases: 21 leases total-  
ing 21,482.29 acres (Johnson &  
two other counties)

Proposed Mine  
(strip)

Campbell County, south of Gillette  
T.47N., R.71W., Section 5  
Coal field: Gillette  
Coal name: Wyodak-Anderson  
Rank: Subbituminous  
Opened: Planned for 1978-1979?  
Est. employees, 1985: 650

NORTHWESTERN RESOURCES

(Subsidiary of Western Energy Co.,  
Billings, Montana)

Roger C. Rice, Sr., Manager of  
Exploration & Development  
113 North Broadway  
Billings, MT 59101  
(406) 252-2277

Federal coal leases: 1 lease of 120  
acres (Hot Springs County)  
State coal lease: 4 leases totaling  
1,969.6 acres (Hot Springs County)

Grass Creek  
(strip)

George Hornick, Mine Superintendent  
Box 608  
Thermopolis, WY 82443  
(Formerly Dusky Diamond Coal Co.)

Hot Springs Co.; near Grass Creek  
T.46N., R.99W., Section 26  
Coal field: Grass Creek  
Coal name: Mayfield; Gwin  
Rank: Subbituminous  
Coal thickness: 24-32 ft.; unspeci-  
fied

Overburden: thin  
Mining method: Front-end loader  
Opened: 1975

(Northwestern Resources cont.)

1975 production: 2,794 tons  
Est. 1980 production: 0.7-1.0 myn tons

Employees, 1975: 1  
Est. employees, 1980: 35-50  
Unit trains: No  
Est. total reserves: 10 myn tons

Northwestern Resources  
Contracts

Miscellaneous domestic users in  
Montana and Wyoming

PACIFIC POWER & LIGHT COMPANY

G. A. Duell, Manager Coal Resources  
920 S.W. 6th Avenue  
Portland, OR 97204  
(503) 226-7411

Federal coal leases: 12 leases  
totaling 18,710.06 acres (3  
counties)  
State coal leases: 13 leases total-  
ing 11,040 acres (3 counties)

Dave Johnston Fuel Recovery Pit

Ed Paisley, Mine Superintendent  
Glen Goss, Mine Manager  
P. O. Box 298  
Glenrock, WY 82637  
(307) 436-2713

Converse Co.; near Glenrock  
T.36N., R.75W., Section 34  
Coal field: Glenrock  
Coal name: School; Badger  
Rank: Subbituminous C  
Coal thickness: 30 ft.; 18 ft.  
Overburden: 60-110 ft.  
Mining method: Dragline  
Opened: 1958  
1975 production: 3,231,649 tons  
Est. 1976 production: 2.8 myn tons  
Est. 1980 production: 2.8 myn tons  
Employees, 1975: 119  
Est. employees, 1976: 110-120  
Est. employees, 1980: 110-120  
Unit trains: No; private railway  
Est. total reserves: 125 myn tons

Pacific Power Contract

Pacific Power & Light Co.  
Glenrock, WY  
115 myn tons are dedicated to the  
750 MW Dave Johnston Plant @ est.  
2.8 mtpy.

PAN EASTERN COAL COMPANY

(Subsidiary of Panhandle Eastern Pipe  
Line Company)

G. J. Kurk, President  
P. O. Box 1642  
Houston, TX 77001

(See also Rochelle Coal Company)

PEABODY COAL COMPANY

(Subsidiary of Kennecott Copper Corp.)

E. R. Phelps, President  
301 N. Memorial Drive  
St. Louis, MO 63102

or

45 South Main  
Sheridan, WY 82801  
(307) 674-6114

(See also Rochelle Coal Company)

Federal coal leases: 8 leases  
totaling 19,761.11 acres  
(Campbell & Sweetwater counties)  
State coal leases: 6 leases total-  
ing 2000 acres (Campbell &  
Converse counties)

Proposed Mines  
(strip)

Reportedly studying or planning one  
or two strip mines in Wyoming; possi-  
bly for coal gasification plants of  
Northern Natural Gas Co.; mines to  
be located in Powder River Basin

Larger Campbell County lease loca-  
tions: T.50N., R.71W.  
T.49N., R.71W.  
T.41N., R.70W.

Coal field: Powder River and Gillette  
Coal name: Wyodak-Anderson or D  
Rank: Subbituminous  
Opened: Planned for late 1970's

PETER KIEWIT SONS' COMPANY

Homer A. Scott, Vice President Mines  
and Quarries

Mining District  
P. O. Box 746  
Sheridan, WY 82801  
(307) 672-3401

(See Big Horn Coal Co., Black Butte  
Coal Co., and Rosebud Coal Sales  
Company)

(Peter Kiewit Sons' Co. cont.)

Federal coal leases: See Big Horn  
Coal Co., and Rosebud Coal Sales  
Company  
State coal lease: 1 lease of 640  
acres (Carbon County)

POWDER RIVER COAL COMPANY

(Subsidiary of Peabody Coal Co.)

E. R. Phelps, President  
301 N. Memorial Drive  
St. Louis, MO 63102

(See Rochelle Coal Company)

POTASH CORPORATION OF AMERICA

(Division of Ideal Basic Industries;  
see Stansbury Coal Company)

PUBLIC SERVICE COMPANY  
OF OKLAHOMA

R. O. Newman, President  
600 S. Main Street  
Tulsa, OK 74102  
(918) 583-3611

Federal coal leases: None  
State coal leases: None

Proposed PSO No. 1  
(strip)

John Burk, Mine Manager  
Post Office Building  
Sheridan, WY 82801

Sheridan Co.; near Montana line  
T.58N., R.84W., Section 22  
Coal field: Sheridan  
Coal name: Anderson; Dietz  
Rank: Subbituminous  
Coal thickness: 20 ft.; 40-50 ft.  
Overburden: Unspecified  
Opened: 1976  
Est. 1980 production: 500,000 tons  
Est. employees, 1980: 45  
Unit trains: No; plan to share Big  
Horn or other tipple

Public Service Contracts

Production will be used in the com-  
pany's 643 MW Northeastern Plant  
(expanding to 1093 MW by 1979) and  
the 340 MW Riverside Plant (expand-  
ing to 790 MW by 1980).

RESOURCE EXPLORATION AND  
MINING, INC.

G. H. Bryant, President  
Sherman Bldg., Room 520  
789 Sherman Street  
Denver, CO 80202  
(303) 572-8777

(See Energy Development Co.)

ROCHELLE COAL COMPANY

(Joint venture of Powder River Coal  
Company, a subsidiary of Peabody  
Coal Co., and Pan Eastern Coal Co.,  
a subsidiary of Panhandle Eastern  
Pipe Line)

G. J. Kurk  
P. O. Box 1642  
Houston, TX 77001

or

Peabody Coal Company  
45 S. Main Street  
Sheridan, WY 82801  
(307) 674-6114

or

Panhandle Eastern Pipe Line Company  
Suite 300, Wyoming Building  
202 East 2nd Street  
Casper, WY 82601  
(307) 265-9202

Federal coal leases: 2 leases total-  
ing 11,141.39 acres (Campbell Co.)  
State coal leases: None

Proposed Rochelle  
(strip)

Campbell Co.; southern boundary  
T.41N., R.70W., Section 10  
Coal field: Gillette  
Coal name: Wyodak-Anderson ("D")  
Rank: Subbituminous  
Coal thickness: 52 ft.  
Overburden: 20-150 ft.  
Mining method: Dragline  
Opened: Planned for 1978-1979  
Est. 1980 production: 5-11 myn tons  
Est. employees, 1980: 225-290  
Unit trains: Probably  
Est. total reserves: 500 myn tons

Rochelle Contracts

Wyoming Coal Gas Co.  
(Panhandle Eastern Pipe Line)  
Converse County, WY  
Dedicated est. 250 myn tons for a  
270 mmcf/day coal gasification  
plant @ est. 11 mtpy.

ROCKY MOUNTAIN ENERGY COMPANY

(Subsidiary of Union Pacific Corp.)

John M. Kelly, Chairman of Board  
James C. Wilson, President  
E. A. Lang, Vice President Engineering  
John Brown, Manager, Coal Evaluation  
4704 Harlan Street  
Denver, CO 80212  
(303) 433-6841

(See joint ventures with Rosebud Coal  
Sales [Black Butte Coal Co.]; Arch  
Mineral [Medicine Bow Coal Co. and  
China Butte property]; Ideal Basic  
Industries [Stansbury Coal Co.];  
Energy Development Company [Red Rim  
property]; Sun Oil Co. [Long Canyon  
property]).

Federal coal leases: None  
State coal leases: 41 leases totaling  
2,587.32 acres (3 counties)

Proposed Atlantic Rim Area

(Joint venture with Drummond Co.;  
strip)

Carbon County; south of Rawlins  
T.18N., R.90W., Section 23  
Coal field: Little Snake River  
Coal name: Mesaverde coals desig-  
nated A-D  
Rank: Subbituminous B  
Coal thickness: 3 ft.-9.5 ft.  
Overburden: approx. 200 ft.  
Mining method: Unspecified  
Opened: Planned for 1979  
Est. 1980 production: 2 myn tons  
Est. total reserves: 65-87 myn tons

Proposed Black Butte

(strip; See Black Butte Coal Co.)

Proposed Carbon Basin  
(strip and/or deep)

Carbon County; south of Carbon  
T.21N., R.79-80W.  
Coal field: Hanna  
Est. total reserves: 276 myn tons  
(includes strip and deep)  
(In very early feasibility stage;  
not in planning stage yet)

Proposed Creston-Cherokee  
(strip)

Sweetwater & Carbon Co.; near Creston  
T.19N., R.91-92W.  
Est. total reserves: 360 myn tons  
(In very early feasibility stage;  
not in planning stage yet)

(Rocky Mountain Energy Co. cont.)

Proposed Hanna  
(deep)

(Joint venture with Dravo Corporation)

Carbon Co.; north of Hanna  
T.23N., R.81W., Section 33  
Coal field: Hanna  
Coal name: Bed Nos. 80 and 82  
Rank: Subbituminous  
Coal thickness: 15-20 ft.; 8-15 ft.  
Overburden: Est. 500-900 ft.  
Mining method: Continuous miners;  
retreat longwall panels; conven-  
tional  
Opened: Planned for 1978  
Est. 1980 production: 2-2.5 myn tons  
Est. employees, 1980: Unspecified  
Unit trains: Plan to use Rosebud's  
unit train facilities  
Est. total reserves: 200 myn tons

Proposed Leucite Hills  
(strip)

Sweetwater Co.; near Superior  
T.21N., R.102W. and vicinity  
Coal field: Rock Springs  
Coal name: Unspecified  
Opened: Planned for 1981  
Est. total reserves: 168 myn tons  
(Very early stage of study and  
planning)

Proposed Long Canyon  
(strip; See Sunoco Energy  
Development Co.)

Medicine Bow  
(strip; See Medicine Bow Coal Co.)

Proposed Red Desert  
(strip)

Sweetwater Co.; north of Wamsutter  
T.22N., R.94W.  
Coal field: Great Divide Basin  
Overburden: 0-200 ft.  
Est. total reserves: 1108 myn tons  
(In very early feasibility stage;  
this township leased to Southern  
California Edison Company, Los Angeles  
for possible liquefaction reserve)

Proposed South Haystack  
(strip)

Uinta Co.; northeast of Evanston  
T.17N., R.117W.  
Coal field: Kemmerer  
Coal name: Adaville coals  
Overburden: 0-650 ft.  
Mining Method: Open pit?  
Opened: Planned for 1979  
Est. total reserves: 58 myn tons  
(In early planning stages)



(Rocky Mountain Energy Co. cont.)

Proposed Stansbury (Reliance)  
(deep; see Stansbury Coal Company)

Proposed Twin Creek  
(strip)

(Joint venture with Peter Kiewit Co.)

Lincoln Co.; northwest of Kemmerer  
T.21N., R.116W., Section 17  
Coal field: Kemmerer  
Coal name: Adaville coals (32 beds)  
Rank: Subbituminous  
Coal thickness: 5-60 ft.  
Overburden: 40-710 ft.  
Mining method: Shovel-truck-scraper  
Opened: Planned for 1977  
Est. 1980 production: 3 myn tons  
Est. employees, 1980: 356  
Unit trains: Planned  
Est. total reserves: 39 myn tons

Proposed Winton  
(deep)

Sweetwater Co; Winton, WY  
T.20N., R.104W.  
Coal field: Rock Springs  
Est. total reserves: 55 myn tons  
(300-1500 ft. of cover)  
(In very early feasibility stage)

#### Rocky Mountain Contracts

See individual partners as noted  
above; Southern Services, Inc.,  
Atlanta GA will receive at least  
some of the coal from the under-  
ground Hanna mine (plants located  
in Alabama, Georgia, Florida and  
Mississippi); no details on other  
proposed mines.

#### RONCCO COAL COMPANY, INC.

Leo Roncco, President  
Box 71  
Thermopolis, WY 82443  
(307) 864-2676 or 864-3819

Federal coal leases: None  
State coal leases: None

Roncco  
(deep)

(Address and phone same as above)

Hot Springs Co.; near Gebo  
T.44N., R.75W., Section 17  
Coal field: Gebo  
Coal name: Gebo  
Rank: Subbituminous  
Coal thickness: 6-9 ft.

(Roncco Coal Co., Inc. cont.)

Cover: Approx. 600 ft.  
Mining method: Conventional room  
and pillar  
Opened: 1938  
1974 production: 2,830 tons  
Est. 1975 production: closed  
Employees, 1974: 3

Unit trains: No

#### Roncco Contracts

Miscellaneous domestic users in Wyo-  
ming and Montana

#### ROSEBUD COAL SALES COMPANY

(Subsidiary of Peter Kiewit Sons'  
Company)

John Ratchye, Vice President  
P. O. Box 724  
Sheridan, WY 82801  
(307) 325-6881

Federal coal leases: 2 leases total-  
ing 969.46 acres (Carbon and Sweet-  
water Counties). (Additional  
leases under Black Butte Coal Co.)  
State coal leases: 3 leases totaling  
1,920 acres (Carbon and Sweetwater  
Counties)

#### Rosebud Pit No. 4

Tom Hornbeck, General Supervisor  
Harold Marvel, Office Manager  
Frank Shurter, Mine Superintendent  
P. O. Box 98  
Hanna, WY 82327  
(307) 325-6881

Carbon Co.; near Hanna  
T.22N., R.81W., Section 3  
Coal field: Hanna  
Coal name: Bed No. 80  
Rank: Subbituminous  
Coal thickness: 15-20 ft.  
Overburden: 50-100 ft.  
Mining method: Dragline

#### Rosebud Pit No. 5

(Address and phone same as No. 4)

Carbon Co.; near Hanna  
T.23N., R.81W., Section 34  
Coal field: Hanna  
Coal name: Bed No. 82  
Rank: Subbituminous  
Coal thickness: 11-15 ft.  
Overburden: 50-80 ft.  
Mining method: Dragline

(Rosebud Coal Sales Co. cont.)

#### Both Mines Combined

Opened: 1961  
1975 production: 1,763,431 tons  
Est. 1976 production: 1.9 myn tons  
Est. 1980 production: 1.5 myn tons  
Employees, 1975: 120  
Est. employees, 1975: 135  
Est. employees, 1980: 135  
Unit trains: 6 trains/week

#### Rosebud Contracts

Great Western Sugar  
No details; Utah, Colorado and  
Nebraska

Iowa Power & Light Co.  
Des Moines and Council Bluffs, IA  
Contract for est. 0.25 mtpy; no  
other details; for 139 MW Council  
Bluffs Plant and 338 MW Des Moines  
Power Station No. 2

Monolith Portland Cement Co.  
Laramie, WY  
Contract for Laramie Cement Plant;  
no other details

Omaha Public Power District  
Omaha, NB  
Contract for est. 0.3 mtpy; no  
other details; for 646 MW North  
Omaha Station

Public Service Co. of Colorado  
Denver and Boulder, CO  
Contract for est. 0.5 mtpy; no  
other details; for power plants

Inland Steel Corporation  
No details

Iowa Public Service Company  
No details

Nebraska Power and Light Company  
No details

Miscellaneous domestic, industrial,  
and municipal users in Colorado,  
Iowa, Nebraska, Wyoming, Utah,  
Idaho, Wisconsin, Nevada, Oregon,  
South Dakota, and Washington

Est. 1980 production based on these  
contracts is 1.5 myn tons.

**SHELL OIL COMPANY**

B. G. Long, Manager of Operations  
Houston, TX

Federal coal leases: 1 lease of  
599.44 acres (Campbell County)  
State coal leases: 1 lease of 160  
acres (Johnson County)

**Proposed Buckskin  
(strip)**

Campbell Co.; north of Gillette  
T.51N., R.72W., Section 5  
Coal field: Powder River  
Coal name: Wyodak-Anderson  
Rank: Subbituminous  
Coal thickness: 100 ft. with part-  
ings

Overburden: 100 ft. max.  
Mining method: Unspecified  
Opened: Planned 1979-1980  
Est. 1980 production: 4 myn tons  
Est. employees, 1980: 200?  
Unit trains: Unspecified  
Est. total reserves: 100 myn tons

**Shell Contracts**

Reportedly for use in a Houston  
refinery.

**STANSBURY COAL COMPANY**

(Joint venture of Rocky Mountain  
Energy Co., a subsidiary of Union  
Pacific Corp., and Potash Corp. of  
America, a subsidiary of Ideal Basic  
Industries, Inc.)

James C. Wilson, President  
P. O. Box 8789  
Denver, CO 80201  
(303) 433-6841

Federal coal leases: 1 lease of  
1,644.76 acres (Sweetwater County)  
State coal leases: None

**Proposed Stansbury No. 1  
(deep)**

Franklin Mink, Mine Superintendent  
P.O. Box 2088  
Rock Springs, WY 82901  
(307) 362-6389  
Sweetwater Co.; north of Rock Springs  
T.20N., R.104W., Section 19  
Coal field: Rock Springs  
Coal names: Rock Springs Nos. 1, 3,  
7, 7 1/2, 8, and 9  
Rank: Bituminous

**(Stansbury Coal Co. cont.)**

Coal thickness: 5-13 ft.  
Cover: 1800 ft. max.  
Mining method: Multiple level; con-  
ventional and continuous miners  
Opened: Planned for 1976-1978  
Est. 1976 production: 50,000 tons  
Est. 1980 production: 1.4 myn tons  
Est. employees, 1976: 35  
Est. employees, 1980: 60  
Est. total reserves: 90-107 myn tons

**Stansbury Contracts**

Ideal Basic Industries, Inc.  
For its cement plants in the  
western states

**SUNOCO ENERGY DEVELOPMENT  
COMPANY**

(Subsidiary of Sun Oil Co.)

Dwight Knott, Mine Representative  
314 South Gillette Avenue  
P.O. Box 1440  
Gillette, WY 82716  
(307) 682-7295

Federal coal leases: 5 leases total-  
ing 24,598.03 acres (3 counties)  
State coal leases: 1 lease of 640  
acres (Converse County)

**Proposed Cordero  
(strip)**

James R. Nichols, Mine Manager  
(Address and phone same as above)

Campbell Co.; south of Gillette  
T.47N., R.71W., Section 23  
Coal field: Gillette  
Coal name: Wyodak-Anderson  
Rank: Subbituminous  
Coal thickness: 3 benches, each  
20 ft.

Overburden: Less than 200 ft.  
Mining method: Shovel-truck  
Opened: Planned for 1977  
Est. 1980 production: 12 myn tons  
Employees, 1975: 146  
Est. employees, 1980: 225-400  
Unit trains: planned  
Est. total reserves: 600 myn tons

**Proposed Long Canyon Area  
(deep)**

(Joint venture with Rocky Mountain  
Energy Co.)

Sweetwater Co.; northwest of Superior  
T.21N., R.104W., approx. area  
Coal field: Rock Springs  
Coal names: Mesaverde Fm. coals

**(Sunoco Energy Develop. cont.)**

Rank: Bituminous  
Coal thickness: Unspecified  
Cover: 200-1500 ft.  
Opened: Planned for 1979  
Est. 1980 production: 1 myn tons  
Est. employees, 1970: 300-400  
Est. total reserves: 72-256 myn tons  
(Includes at least 7 myn tons that  
is strippable)

**Sunoco Contracts**

(Only related to Cordero Mine)

San Antonio City Public Service Board  
San Antonio, TX  
20 yr. contract for 55.5 myn tons  
@ est. 2.8 mtpy begins in 1976; for  
1,308 MW Sommers Plant (Est. \$5.00  
per ton FOB mine)

Western Fuels Association  
Wheatland, WY

20 yr. contract for 60 myn tons @ 3  
mtpy begins in 1979; for 1500 MW  
Laramie River Station

Est. 1980 production based on these  
contracts is 5.8 myn tons.

**TEXACO, INC.**

Jim Logan  
Wyoming Division  
Story, WY 82842  
(307) 683-2830

(Hold substantial coal lands near  
Lake De Smet [Johnson County] which  
they acquired from Reynolds Metals  
Co.; applied to ERDA for joint fund-  
ing of a demonstration coal gasifica-  
tion facility in 1976, but turned down  
in mid-1976; rumored to start a strip  
mine about 1977; but status unclear)  
Mine Name ?  
(strip)

Johnson Co.; near Buffalo  
T.52N., R.82W.  
Coal field: Buffalo  
Coal name: Healy  
Rank: Subbituminous  
Coal thickness: 50-220 ft.  
Opened: Rumored for 1977, but may  
hinge on acceptance of ERDA  
application

**Texaco Contracts**

No information on any contracts.

### WELCH COAL COMPANY

(Subsidiary of Montana-Dakota Utilities Company)

William F. Welch, Resident Manager  
1447 Stonegate Drive  
P.O. Box 1066  
Sheridan, WY 82801  
(307) 655-9204

Welch  
(strip)

(Address and phone same as above)

Sheridan Co.; north of Sheridan  
T.57N., R.85W., Section 22  
Coal field: Sheridan  
Coal name: Monarch  
Rank: Subbituminous  
Coal thickness: 5.5-12 ft.  
Overburden: 30-90 ft.  
Mining method: Front-end loader  
Opened: 1949  
1975 production: 18,387 tons  
Est. 1976 production: 20,000 tons  
Est. 1980 production: Probably will  
will be shut down by then  
Employees, 1975: 2  
Unit trains: No

### Welch Contracts

Montana-Dakota Utilities Co.  
Acme, WY  
All production dedicated to 12  
MW Acme Plant, which is scheduled  
to shut down in 1976-77.

### WESTERN FUEL ASSOCIATION

(Joint venture of Tri-State Generation and Transmission Association, Basin Electric Power Cooperative, and Cajun Electric Power Cooperatives)

Ken Holum, General Manager  
1019 19th Street, NW  
Washington, D. C. 20036

or

Lloyd Ernst, Regional Manager  
1810 Capitol Avenue  
Cheyenne, WY 82002  
(307) 634-7955

(See El Paso Natural Gas Co.)

### WYODAK RESOURCES DEVELOPMENT CORPORATION

(Subsidiary of Black Hills Power & Light Company)

J. B. French, President  
Neil Simpson, Vice President  
Harold E. Ross, Vice President  
Box 1951  
Rapid City, SD 57701  
(605) 342-3200

Federal coal leases: 4 leases  
totaling 1,920 acres (Campbell  
County)

State coal leases: None

### Wyodak North & South (strip)

Wilford J. Westre, General Manager  
P. O. Box 149  
Gillette, WY 82716  
(307) 682-3410

Campbell Co.; east of Gillette  
T.50N., R.71W., Section 28  
Coal field: Gillette  
Coal name: Wyodak-Anderson  
Rank: Subbituminous  
Coal thickness: 80-110 ft.  
Overburden: 20-110 ft.  
Mining method: Scraper-front-end  
loader  
Opened: 1925  
1975 production: 786,672 tons  
Est. 1976 production: 700,000 tons  
Est. 1980 production: 5 myn tons  
Employees, 1975: 35  
Est. employees, 1980: 150  
Unit trains: No

(Wyodak Resources Corp. cont.)

### Wyodak Contracts

Black Hills Power & Light Co.  
Dedicated to the following power  
plants:  
31.5 MW Kirk Plant, Lead, SD @  
120,000 tpy  
22.0 MW Ben French Plant, Rapid  
City, SD, @ 85,000 tpy  
27.7 MW Neil Simpson Plant, Wyodak,  
WY, @ 198,000 tpy  
34.5 MW Osage Plant, Osage, WY, @  
219,000 tpy

Pacific Power & Light Co. and Black  
Hills Power & Light Co.  
Wyodak, WY

Contract for up to 1.5 mtpy by  
1977 and 3 mtpy by 1982; for new  
990 MW Wyodak Plant now under con-  
struction (1st 330 MW unit to be  
completed in 1977).

Est. 1980 production based on these  
contracts is 5 myn tons.

### WYTANA, INC.

(Subsidiary of Peter Kiewit Sons',  
Inc.)

P. O. Box 724  
Sheridan, WY 82801

(See Black Butte Coal Company)

# COKE PLANTS

## COLUMBINE MINING COMPANY

*(Affiliate of Midcontinent Coal and  
Coke Company)*

*J. A. Reeves, President  
P. O. Box 158  
Carbondale, CO 81623*

### **Carbon Plant**

*P. O. Box Quealy  
Rock Springs, WY 82901*

*Sweetwater Co.; south of Rock Springs  
T.18N., R.105W., Section 14  
(Makes a chemical grade synthetic  
coke for Monsanto's phosphorous plant  
in Soda Springs, ID; process is using  
bituminous coal, but works on other  
ranks as well.)*

## FMC CORPORATION

*Fritz von Bergen, Director-Coke  
Chemical Group Headquarters  
2000 Market Street  
Philadelphia, PA 19103  
(215) 299-6000*

### **Experimental Process Coke Plant**

*J. W. Coykendall, Resident Manager  
Box 431  
Kemmerer, WY 83101*

*Lincoln Co.; near Kemmerer, WY  
T.20N., R.117W., Section 12  
(Makes a chemical and metallurgical  
grade coke from subbituminous coal.)*

# IN-SITU EXPERIMENTS

## LARAMIE ENERGY RESEARCH CENTER (LERC)

*Charles N. Branden, Project Manager  
U. S. Energy Research & Development  
Administration*

*P. O. Box 3395  
University Station  
Laramie, WY 82071  
(307) 742-2115*

*Carbon Co.; Hanna, WY  
T.22N., R.81W., Section 29 (Hanna  
site)*

*(LERC has been conducting experiments  
since 1972; product gas has not only  
been collected and analyzed, but some  
control of the volume, heat value,  
and quality has been attained.)*

## LAWRENCE LIVERMORE LABORATORIES

*Douglas R. Stephens, Project Director  
Inorganic Materials Division  
Chemistry Department  
P. O. Box 808  
Livermore, CA 94550  
(415) 447-1100*

*Campbell Co.; south of Gillette  
T.47N., R.72W., Section 7 (Hoe Creek  
site)*

*(LLL started experimentation in 1975;  
to date they have done some drilling  
and explosive fracturing of the coal;  
they haven't ignited the coal yet.)*

# PLANNED TRANSPORTATION SYSTEMS

## BURLINGTON NORTHERN, INC.

(Joint venture with Chicago and North Western Transportation Co.)

N. M. Lorentzen, President Transportation Div.  
176 E. Fifth Street  
St. Paul, Minnesota 55101  
(612) 298-2121

### Proposed Railroad

Plan to build 126 miles of new track between Gillette, WY and Douglas, WY, principally to serve new coal mines in the Powder River Basin. Completion date uncertain, but probably between 1977-1979.

## CHICAGO AND NORTH WESTERN TRANSPORTATION COMPANY

(See Burlington Northern, Inc.)

R. A. Sharp, Asst. Vice President Marketing  
400 W. Madison Street  
Chicago, IL 60606  
(312) 454-6000

## ENERGY TRANSPORTATION SYSTEMS, INC.

(Joint venture of Peabody Coal Co., Bechtel, Inc., Lehman Brothers, and Kansas-Nebraska Natural Gas Co.)

Frank Odasz, Manager  
Box 2933  
Casper, WY 82601  
(307) 265-1800

### Proposed Coal Slurry Pipeline

Size of pipe: 38 inch  
Length: 1,036 miles  
Capacity: 25 mtpy  
Location: Campbell, Niobrara, Converse, and Goshen Counties, WY  
Destination: Arkansas Power & Light Co., White Bluffs, AR and City of Wichita, Kansas (8 mtpy)  
Water requirements: 15,000-20,000 acre ft./yr.  
Status: Approved by Wyoming legislature, but unable to get right-of-way through Nebraska or Kansas.

## GULF INTERSTATE ENGINEERING

(Joint venture with Northwest Pipeline, Salt Lake City, UT)

John G. McMillan, President  
Harry Eaton, Vice President  
Houston, TX

### Proposed Coal Slurry Pipeline

Size of pipe: 24-30 inches  
Length: 800-1100 miles  
Capacity: 10 mtpy  
Location: Southwestern Wyoming  
Destination: Washington, Oregon, Idaho, and northern California  
Water requirements: 7,500 acre ft./yr.  
Status: Studying feasibility for the 1980's

## UNION PACIFIC RAILROAD CO.

N. R. Linse, Market Manager - Energy Resources

1416 Dodge Street  
Omaha, NB 68179  
(402) 281-5822

Maintenance of main line and construction of spur lines to numerous coal mines in southern Wyoming.

## Active & Proposed Mines

### KEMMERER COAL FIELD

Kemmerer's Elko<sup>1</sup> (S)  
Kemmerer's Sorensen (S)

FMC-1976? (S)  
Kemmerer's North Block-1979 (S)  
Rocky Mountain's Twin Creek-1977 (S)<sup>3</sup>  
Rocky Mountain's South Haystack Project-1979 (S)<sup>3</sup>

### GREEN RIVER REGION

#### ACTIVE COAL MINES IN 1975

Bridger's Jim Bridger (S)  
Columbine's Rainbow No. 8 (D)<sup>2</sup>

#### PROPOSED NEW COAL MINES

Arch's China Butte-1979 (S)<sup>3</sup>  
Black Butte-1978 (S)  
Energy's Red Rim-1979 (S)<sup>3</sup>  
Rocky Mountain's Atlantic Rim-1979 (S)<sup>3</sup>  
Rocky Mountain's Creston-Cherokee-? (S)<sup>3</sup>  
Rocky Mountain's Leucite Hills-1981 (S)<sup>3</sup>  
Rocky Mountain's Red Desert-? (S)<sup>3</sup>  
Rocky Mountain's Salt Wells-1982 (S)<sup>3</sup>  
Rocky Mountain's Winton-? (D)<sup>3</sup>  
Stansbury-1976-1978 (D)  
Sunoco's Long Canyon-1979 (D)<sup>3</sup>

### BIGHORN BASIN

Northwestern Resources' Grass Creek (S)

None proposed for Bighorn Basin

### POWDER RIVER BASIN

#### ACTIVE COAL MINES IN 1975

Amax's Belle Ayr South (S)  
Big Horn's Big Horn No. 1 (S)  
PP & L's Dave Johnston (S)  
Welch (S)  
Wyodak's South Pit (S)

#### PROPOSED NEW COAL MINES

Amax's Belle Ayr North-1977 (S)  
ARCO's Black Thunder-1977 (S)  
ARCO's Coal Creek-1979? (S)  
Carter's North Rawhide-1976? (S)  
Carter's Cobalillo-1976? (S)  
El Paso's Thunderbird-1979? (S)<sup>3</sup>  
Falcon-1977?(S)<sup>3</sup>  
Kerr-McGee's Jacobs Ranch-1977 (S)  
Kerr-McGee's East Gillette No. 16-1978? (S)  
Kerr-McGee's East Gillette-1979? (S)<sup>3</sup>  
Mobil's Unnamed mine-1978-1979 (S)<sup>3</sup>  
Peabody-1980's (S)<sup>3</sup>  
Peabody-1980's (S)<sup>3</sup>  
Public Service Oklahoma's PSO No. 1-1976 (S)  
Rochelle-1978 (S)  
Shell's Buckskin-1979 (S)<sup>3</sup>  
Sunoco's Cordero-1977 (S)  
Texaco-1977? (S)<sup>3</sup>

### HANNA COAL FIELD

Arch's Seminole No. 1 (S)  
Arch's Seminole No. 2 (S)  
Energy's Rimrock pits (S)  
Energy's Vanguard No. 2 (D)  
Energy's Vanguard No. 3 (D)  
Medicine Bow Strip (S)  
Rosebud Pits (S)

Rocky Mountain's Hanna-1978 (D)  
Rocky Mountain's Carbon Basin-? (S or D)<sup>3</sup>

<sup>1</sup>(S) means strip mine                      <sup>2</sup>(D) means deep mine

<sup>3</sup>Mine not in forecast based on announced contracts

# Coal Production Forecast

Annual Wyoming Coal Production (In Millions of Tons)  
With Estimates Based on Announced Contracts Forecast to 1985<sup>1</sup>

	Powder River Basin	Hanna Basin	Kemmerer Area	Green River Region	Bighorn Basin	Total
1972	4.2	4.2	2.1	0.4	.006	10.9
1973	5.0	6.8	2.9	0.1	.006	14.8
1974	7.8	8.9	3.3	0.8	.006	20.8
1975	8.5	9.6	3.6	2.1	.006	23.8
1976	14.5	10.65	4.15	4.2	.01	33.5
1977	29.7	10.65	5.5	6.6	.01	51.4
1978	46.0	10.9	6.4	9.7	.01	73.0
1979	57.9	11.4	6.7	13.2	.01	89.2
1980	73.3	11.6	7.8	13.2	.01	105.9
1981	74.8	11.6	7.8	13.2	.01	107.4
1982	80.9	11.6	7.8	13.2	.01	113.5
1983	82.3	11.6	7.8	13.2	.01	114.9
1984	85.8	10.9	7.8	13.2	.01	117.7
1985	86.8	10.9	7.8	13.2	.01	118.7

<sup>1</sup>Includes only one coal gasification plant (Panhandle Eastern) by 1985

Annual Wyoming Coal Production (In Millions of Tons)  
With Highest Possible Estimates Forecast to 1985<sup>2</sup>

1972	4.2	4.2	2.1	0.4	.006	10.9
1973	5.0	6.8	2.9	0.1	.006	14.8
1974	7.8	8.9	3.3	0.8	.006	20.8
1975	8.5	9.6	3.6	2.1	.006	23.8
1976	16.6	11.6	4.5	4.2	.01	36.9
1977	36.1	11.8	7.0	6.6	.05	61.5
1978	62.1	12.1	8.7	9.7	.10	93.7
1979	89.7	12.6	9.4	16.7	.50	128.9
1980	131.1	13.8	10.8	23.7	1.0	180.4
1981	142.4	13.8	10.8	30.7	1.0	198.7
1982	162.1	13.8	10.8	30.7	1.0	218.4
1983	199.1	13.8	10.8	30.7	1.0	255.4
1984	210.1	14.3	10.8	30.7	1.0	266.9
1985	224.1	14.3	10.8	30.7	1.0	280.9

<sup>2</sup>Includes seven coal gasification plants by 1985



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Laramie, Wyoming 82071

ABOUT THE COVER: An electric shovel loads from the  
Arch Mineral Corp. Seminoe #1 mine in the Hanna Basin.  
The mining is from the steeply dipping Bed #24. The  
bed measures 18 feet in the mine.



