

APPENDIX C

Assessment of Coal Lease Payment Options

OTA examined a range of options that require payments as a precondition for lifting the section 3 disqualification from a noncomplying leaseholder. OTA used a standard engineering-accounting method to calculate the after tax net present cost of each option for two model lease tracts, an underground mine in Utah and a surface mine in the Powder River Basin of Wyoming. The tract characteristics were chosen to be representative of a lease tracts that could be used to sustain new mining operations in these regions. The trait characteristics are summarized below. The options were originally selected in May 1985, based upon various proposals that were then circulating: additional holding fees were analyzed in Fall 1985 to include the more significant payment requirements of later proposals. The revised analysis is included in Chapter 4.

The payment options are summarized below.

Delay Rental: A non-recoupable annual payment for the privilege of deferring development of the property which could be avoided by relinquishing the lease or beginning production. This payment would begin immediately and stop upon production. (These payments can be expensed or capitalized at the payor's option for tax purposes.)

Several variations of delay rental payments were costed out:

Option 1: Acreage-based delay rental

- (a) \$1 per acre
- (b) \$5 per acre

Option 2: Reserves-based delay rental, fixed rate

- (a) \$0.0001 per ton on 1% of reserves
- (b) \$0.001 per ton on 1% of reserves
- (c) \$0.0001 per ton increasing annually by \$0.0001 to a cap of \$0.001

Option 3: Reserves-based delay rental, ad valorem rate

- (a) 0.5% of value on 1% of recoverable reserves, constant Price
- (b) 0.5% of value on 1% of reserves with 4% annual price increase

Minimum Royalty: A substantially uniform annual payment in the absence of mineral production. The payment is imposed on readjustment which is assumed to occur in year 5. The payment is recoupable. For tax purposes it can be expensed in the year paid.

Option 4: Minimum Royalty, Reserves-based, Fixed rate

- (a) \$0.0001 per ton on 1% of recoverable reserves
- (b) \$0.001 per ton on 1% of recoverable reserves

Option 5: Minimum royalty, Reserves-based, ad valorem rate

- (a) 0.5% of value, 1% reserves, constant price
- (b) 0.5% of value, 1% reserves, 4% annual price increase

Advance Royalty: Payment begins immediately and ends on production. The payment is nonrecoupable. For tax purposes, we assume it is capitalized and that cost depletion is used. (We note that it is more likely that percentage depletion might be used, it is not used here as it would not directly reflect the impact of the holding fee.)

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- Option 6: Advance Royalty- Reserves based - fixed rate
- (a) \$0.0001 per ton on 1% of reserves
 - (b) \$0.001 per ton on 1% of reserves
 - (c) \$0.0001 escalating annually by \$0.0001 to a cap of \$0.001
- Option 7: Advance Royalty - Reserves based - ad valorem rate
- (a) \$0.5% of value on 1% of reserves, constant price
 - (b) \$0.5% of value on 1% of reserves, 4% annual price increase

Several additional options have since been analyzed using the programs developed for this study.

Characteristics of Tracts Used in OTA Analysis of Holding Fees

Wyoming Lease:

Powder River Basin
 Surface mine
 2000 acres
 200 million tons of reserves
 60 foot seam
 8500 BTU/lb., 0.58% sulfur, 6% ash
 5 million tons per year
 Recovery rate 90%
 Mine life 40 years
 F.O.B. mine price \$7.60 (contract)
 Readjustment in year 5
 Federal royalty 12.5%
 Production begins in year 10

Utah Lease

Uinta Region
 Underground Mine
 2000 acres
 21.6 million tons of reserves
 12 foot seam
 11,500 BTU/lb., 0.5% sulfur, 9% ash
 500,000 tons per year
 Recovery rate 50%
 Mine life 40 years
 F.O.B. mine price \$26.00 (contract)
 Readjustment in year 5
 Federal royalty 8%
 Production begins in year 10

TABLE A-2

ANALYSIS OF HOLDING FEE OPTIONS
After Tax Net Present Cost to Lessee

| | WYOMI NG | UTAH |
|-----------------------------|--------------------|------------------|
| <u>Delay Rental</u> | | |
| 1 (a) \$1/ac | \$7,030 | \$7,030 |
| 1 (b) \$5/ac | \$35,100 | \$35,100 |
| 2(a) \$0.0001/ton | \$632 | \$76 |
| on 1% reserves | | |
| 2(b) \$0.001/ton | \$6,320 | \$760 |
| on 1% reserves | | |
| 2(c) escalating | \$2,140 | \$255 |
| \$0.0001-0.001 | | |
| on 1% reserves | | |
| 3(a) 0.5% value | \$240,000 | \$98,700 |
| on 1% reserves | | |
| constant price | | |
| 3(b) 0.5% value | \$276,000 | \$113,000 |
| on 1% reserves | | |
| 4% Annual increase | | |
| <u>Minimum Royalty</u> | | |
| 4(a) \$0.0001/ton | \$54 | \$6 |
| on 1% reserves | | |
| 4(b) \$0.001/ton | \$540 | \$60 |
| on 1% reserves | | |
| 5(a) 0.5% value | \$20,700 | \$8,480 |
| on 1% reserves | | |
| constant price | | |
| 5(b) 0.5% value | \$27,100 | \$11,100 |
| on 1% reserves | | |
| 4% Annual increase | | |
| <u>Advance Royalty</u> | | |
| 6(a) \$0.0001/ton | \$839 | \$104 |
| on 1% reserves | | |
| 6(b) \$0.001/ton | \$8,390 | \$1,040 |
| on 1% reserves | | |
| 6(c) escalating | \$2,704 | \$342 |
| \$0.0001-0.001 | | |
| on 1% reserves | | |
| 7(a) 0.5% value | \$319,000 | \$135,000 |
| on 1% reserves | | |
| constant price | | |
| 7(b) 0.5% value | \$381,000 | \$137,000 |
| on 1% reserves | | |
| 4% Annual increase | | |
| <u>Mining SubComn Draft</u> | | |
| (a) \$0.001/ton/yr | \$632,365 | %75,883 |
| (b) \$0.01/ton/yr | \$6,323,654 | \$758,837 |

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FEDERAL COAL LESSEES AND THEIR PARENT COMPANIES

| LESSEE | PARENT #1 | BUS. CAT. | PARENT #2 | BUS. CAT. | LEASES | ACRES RECOV. | RES. |
|--------------------------------|--------------------------------|-----------|--------------------------------------|-----------|--------|--------------|---------|
| AMCA Coal Leasing, Inc. | AMCA Resources | coal | | | 6 | 2532 | 31.85 |
| Abston Construction Co. | Abston Construction Co. | coal | | | 1 | 638 | 1.17 |
| Alabama Electric Coop. | Alabama Electric Coop. | utility | | | 1 | 198 | 0.06 |
| Alaska State Bank | Alaska State Bank | other | | | 1 | 600 | 0.00 |
| American Colloid Co. | American Colloid Co. | other | | | 1 | 80 | 2.28 |
| American Minority Mining | American Minority Mining | other | | | 1 | 400 | 1.80 |
| Ametex Corp. | Ametex Corp. | other | | | 2 | 280 | 0.49 |
| Anchor Coal Co. | Fluor Corp. | other | | | 1 | 280 | 5.34 |
| Antelope Coal Co. | Pacific Power & Light Co. | utility | | | 2 | 4777 | 266.70 |
| Apex Mining Company, Inc. | Apex Mining Company, Inc. | coal | | | 2 | 240 | 0.52 |
| Ark Land Co. | Ashland Oil Co. | o&g | Hunt Enterprises | o&g | 14 | 16223 | 61.34 |
| Atlantic Richfield Co. | Atlantic Richfield Co. | oil major | | | 3 | 7419 | 196.43 |
| Bank of America | BankAmerica Corp. | other | | | 4 | 6872 | 135.59 |
| Basin Cooperative Services | Basin Cooperative Services | utility | | | 3 | 2425 | 28.10 |
| Bass, R. & Bass Trusts | Bass, R. & Bass Trusts | other | | | 1 | 20701 | 242.10 |
| Baukol-Noonan, Inc. | Baukol-Noonan, Inc. | coal | | | 1 | 2325 | 40.63 |
| Beaver Creek Coal Co. | Atlantic Richfield Co. | oil major | | | 7 | 5494 | 93.54 |
| Belco Petroleum Corp. | Internorth Corp. | nat gas | | | 1 | 4551 | 215.80 |
| Bel, J. | Bell, J. | indivd | | | 1 | 80 | 0.05 |
| Big Horn Coal Co. | Peter Kiewit Sons, Inc. | other | | | 2 | 440 | 27.80 |
| Bishopsgate Coal Corp. | Bishopsgate Coal Corp. | coal | | | 1 | 161 | 0.84 |
| Black Butte Coal Co. | Peter Kiewit Sons, Inc. | other | Union Pacific Corp. | other | 1 | 14902 | 74.00 |
| Blackhawk Coal Co. | American Electric Power Co. | utility | | | 11 | 12698 | 250.00 |
| Bokoshe Coal Company | K & R Coal Co. | coal | | | 1 | 80 | 0.13 |
| Bonsness, L. | Bonsness, L. | indivd | | | 1 | 80 | 0.16 |
| Bridger Coal Co. | Pacific Power & Light Co. | utility | | | 3 | 8436 | 329.80 |
| Brigham Young University | Brigham Young University | other | | | 3 | 277 | 1.54 |
| Bugni, A. | Bugni, A. | indivd | | | 1 | 80 | 0.00 |
| Bugni, T. & R. | Bugni, A. & T. | indivd | | | 1 | 80 | 0.00 |
| CF&I Steel Corp. | Crane Co. | other | | | 1 | 3470 | 5.40 |
| COP Coal Development Co. | COP Coal Development Co. | coal | | | 2 | 1480 | 19.39 |
| CPS Mining Co, Inc. | CPS Mining Co, Inc. | other | | | 1 | 538 | 0.30 |
| California Portland Cement Co. | California Portland Cement Co. | other | | | 1 | 1548 | 21.36 |
| Cameron Coal Co. | Cameron Coal Co. | coal | | | 3 | 4464 | 14.83 |
| Capital Development Co. | Capital Development Co. | other | | | 1 | 1832 | 7.80 |
| Carbon Coal | Hamilton Bros. JT. Venture | o&g | | | 1 | 160 | 0.48 |
| Cari International Mining Corp | Cari International Mining Corp | other | Property Hold ng Co. of A buqu other | other | 1 | 360 | 1.31 |
| Carroll County Coal Co. | Carroll County Coal Co. | other | | | 1 | 412 | 18.38 |
| Chapman, R. | Chapman, R. | indivd | | | 1 | 1675 | 17.60 |
| Chevron Coal Development Co. | Chevron Corp. | oil major | | | 1 | 674 | 110.00 |
| China Butte Coal Co. | China Butte Coal Co. | other | | | 1 | 5974 | 62.73 |
| Clinchfield Coal | Pittston Coal Co. | coal | | | 1 | 251 | 0.30 |
| Coastal States Energy Co. | The Coastal Corp. | nat gas | | | 10 | 13299 | 78.30 |
| Colorado Westmoreland, Inc. | Westmoreland Coal Co | coal | | | 4 | 6443 | 46.91 |
| Colorado Yampa Coal Co. | Texaco, Inc. | oil major | | | 1 | 274 | 0.73 |
| Colowyo Coal Co. | W.R. Grace & Co. | nrrd | | | 2 | 2590 | 146.70 |
| Conotton Land Co. | Cravat Coal Co. | coal | Hanna Mining Corp | m&m | 2 | 400 | 1.50 |
| Consol Land Development | DuPont | nrrd | | | 1 | 1895 | 48.70 |
| Consolidation Coal Co. | DuPont | nrrd | | | 34 | 57531 | 1086.24 |
| Corp. of the Presiding Bishop | Corp. of the Presiding Bishop | other | | | 3 | 3045 | 0.00 |

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FEDERAL COAL LESSEES AND THEIR PARENT COMPAN ES

| LESSEE | PARENT #1 | BUS. CAT. | PARENT #2 | BUS CAT | LEASES | ACRES RECOV. | RES. |
|--------------------------------|--------------------------------|-----------|-------------------------|---------|--------|--------------|---------|
| Goteau Properties, Inc. | North American Coal Corp. | coal | | | 3 | 3198 | 60.20 |
| Cumberland Coal Co. | Peter Kiewit Sons, Inc. | other | Union Pacific Corp. | other | 1 | 1408 | 29.70 |
| Davis, R. | Davis, R. | other | | | 1 | 40 | 0.07 |
| Decker Coal Co. | Pacific Power & Light Co. | utility | | | 5 | 14771 | 374.50 |
| Denton, C. | Denton, C. | indivd | Peter Kiewit Sons, Inc. | other | 1 | 80 | 0.30 |
| Divide Coal Mining Co. | Divide Coal Mining Co. | coal | | | 1 | 80 | 0.80 |
| Dorchester Coal Co. | Damson Oil Corp. | o&g | | | 3 | 14729 | 117.70 |
| Eastern Coal Properties, Inc. | Eastern Gas & Fuel Associates | other | | | 1 | 1910 | 33.62 |
| Eden Ridge Coal Co. | Pacific Power & Light Co. | utility | | | 2 | 4874 | 30.00 |
| Edison Development Co. | Commonwealth Edison | utility | | | 1 | 7066 | 103.00 |
| Emery Energy, Inc. | Emery Energy, Inc. | coal | | | 1 | 3795 | 20.30 |
| Empire Energy Corp. | Standard Oil of Indiana. Co. | oil major | | | 4 | 1133 | 29.40 |
| Energy Development Co. | Iowa Public Service Co. | utility | | | 1 | 8683 | 6.90 |
| Energy Reserves Group, Inc. | Broken Hill Proprietary Ltd. | m&m | | | 4 | 7849 | 51.70 |
| Equipment Rental Service | Equipment Rental Service | other | | | 1 | 480 | 0.00 |
| Evans Coal Co. | Armco Steel Corp. | steel | | | 11 | 17857 | 54.72 |
| Exxon Coal Resources USA, Inc. | Exxon Corp. | oil major | | | 2 | 2200 | 0.00 |
| Exxon Coal USA | Exxon Corp. | oil major | | | 3 | 11057 | 1489.80 |
| FMC Corp. | FMC Corp. | nrrd | | | 2 | 3201 | 11.50 |
| Falkirk Mining Co. | North American Coal Corp. | coal | | | 1 | 160 | 2.14 |
| Fannin Square Corp. | Texas Eastern Transmission | nat gas | | | 1 | 1910 | 33.62 |
| Farrell Cooper Mining Co. | Farrell Cooper Mining Co. | coal | | | 6 | 10246 | 34.08 |
| Files, Jerry A. | Files, Jerry A. | indivd | | | 1 | 521 | 0.72 |
| Fort Union Mine Partnership | Frontier Coal Co. USA | o&g | | | 1 | 1913 | 115.00 |
| Frandsen, G. | Frandsen G. | indivd | | | 1 | 40 | 0.42 |
| Franklin Real Estate Co. | American Electric Power Co. | utility | | | 1 | 634 | 3.35 |
| Freeman-United Mining Co. | General Dynamics Corp. | nrrd | | | 1 | 561 | 0.00 |
| Fulton, C. | Fulton, C. | indivd | | | 1 | 80 | 0.30 |
| Gaither, K. | Gaither, K. | indivd | | | 1 | 2557 | 6.48 |
| Gaither, Kenneth R. | Gaither, Kenneth R. | indivd | | | 1 | 5707 | 12.60 |
| Garland Coal & Mining Co. | Garland Coal & Mining Co. | coal | | | 4 | 3084 | 8.60 |
| General Electric Holdings, Inc | General Electric Corp. | nrrd | | | 3 | 5290 | 0.00 |
| Gent's Flying Enterprises | Gent's Flying Enterprises | other | | | 2 | 160 | 1.75 |
| Geo Resources Exploration, Inc | Geo Resources Exploration, Inc | other | | | 1 | 320 | 0.69 |
| Getty Minerals Marketing, Inc. | Texaco, Inc. | oil major | | | 7 | 6710 | 75.00 |
| Getty Mining Co. | Texaco, Inc. | oil major | | | 4 | 3929 | 51.00 |
| Grand Mesa Properties Co. | Eastern Gas & Fuel Associates | other | NICOR, Inc. | nat gas | 2 | 1266 | 20.46 |
| Granite Creek Coal & Uranium | Granite Creek Coal & Uranium | other | | | 1 | 280 | 0.20 |
| Great National Corp. | Great National Corp. | other | | | 1 | 140 | 0.14 |
| Greenwood Land Mining Co. | The Sun Co. | oil major | | | 1 | 409 | 0.26 |
| Gulf Oil Corp. | Chevron Corp. | oil major | | | 40 | 58866 | 803.74 |
| HFCO, Inc. | HFCO, Inc. | coal | | | 1 | 98 | 0.09 |
| Hall, H. | Hall, H. | indivd | | | 1 | 880 | 0.28 |
| Hayden Gulch West Coal Co. | W.R. Grace & Co. | nrrd | Hanna Mining Corp. | m&m | 1 | 5298 | 63.64 |
| Helen Mining Co. | North American Coal Co. | coal | | | 2 | 81 | 0.18 |
| Hiko Bell Mining & Oil Co. | Hiko Bell Mining & Oil Co. | o&g | | | 3 | 6400 | 42.76 |
| Howe Coal Co. | Norm & Co. | other | | | 6 | 12439 | 30.43 |
| IBI Coal Co. | Ideal Basic Industries, Inc. | other | | | 5 | 9306 | 55.88 |
| Ingraham, F. | Ingraham, F. | indivd | | | 1 | 160 | 0.14 |
| Intermountain Exlorator Co | Intermountain Exploration Co. | m&m | | | 1 | 160 | 0.00 |

FEDERAL COAL LESSEES AND THEIR PARENT COMPANIES

| LESSEE | PARENT #1 | BUS. CAT. | PARENT #2 | BUS. | LEASES | ACRES | RECOV. | RES. |
|--------------------------------|--------------------------------|-----------|-----------|------|--------|-------|---------|------|
| Israel, J.J. | Israel, J.J. | indivd | | | 1 | 80 | 0.07 | |
| Jennings, James Sanders | Jennings, James Sanders | indivd | | | 1 | 40 | 0.39 | |
| Johnson, G. & A. | Johnson, G. & A. | indivd | | | 1 | 80 | 0.20 | |
| K&R Coal Co. | K&R Coal Co. | coal | | | 1 | 1180 | 5.09 | |
| Kaiser Steel Corp. | Kaiser Steel Corp. | steel | | | 10 | 15093 | 86.58 | |
| Kanawha Hocking Coal & Coke | Quaker State Oil Refining Co. | o&g | | | 6 | 8767 | 347.22 | |
| Kerr Coal Co. | Centurion Trust | other | | | 1 | 770 | 4.90 | |
| Kerr-McGee Coal Co. | Kerr-McGee Corp. | o&g | | | 5 | 8695 | 735.70 | |
| King Cannel Coal Co. | King Cannel Coal Co. | other | | | 1 | 240 | 1.18 | |
| Kingston, C. & J. | Kingston, C. & J. | indivd | | | 1 | 120 | 1.45 | |
| Montana-Dakota Utilities | Montana-Dakota Utilities | utility | | | 6 | 9024 | 145.03 | |
| Knife River Coal Co. | Kukuchka, C. & W. | indivd | | | 1 | 40 | 0.00 | |
| Kukuchka, C. & W. | Kukuchka, C. & W. | other | | | 1 | 362 | 0.60 | |
| LEECO | Kaneb Services | other | | | 1 | 80 | 0.08 | |
| Lombardi, P. | Lombardi, P. | indivd | | | 1 | 80 | 0.08 | |
| Lone Star Steel Co. | Northwest Industries, Inc. | other | | | 8 | 11090 | 17.84 | |
| Lone Star Steel Co. | Loveless, Robert M. | indivd | | | 1 | 2560 | 0.00 | |
| Malapai Resources Co. | Arizona Public Service Co. | utility | | | 21 | 40276 | 345.23 | |
| Martin, J., trustee | Martin, J., trustee | other | | | 1 | 40 | 0.17 | |
| Martinez, A. | Martinez, A. | indivd | | | 1 | 40 | 0.14 | |
| Material Service Corp. | General Dynamics Corp. | nrrd | | | 2 | 4842 | 18.30 | |
| McKinnon Trusts | McKinnon Marital & Resid. Tr. | other | | | 5 | 8672 | 96.52 | |
| Meadowlark Farms, Inc. | Anax, Inc. | m&m | | | 6 | 9038 | 1261.10 | |
| Medicine Bow Coal Co. | Ashland Oil Co. | o&g | | | 3 | 7011 | 17.90 | |
| Mid-Continent Limestone Co. | Pitkin Iron Corp. | m&m | | | 3 | 2020 | 14.54 | |
| Mid-Continent Resources Corp. | Mid-Continent Resources Corp. | coal | | | 9 | 7479 | 62.50 | |
| Mining Systems Corp. | Standard Equipment, Inc. | other | | | 1 | 680 | 0.32 | |
| Mobil Coal Resources Co. | Mobil Corp. | oil major | | | 2 | 3959 | 424.50 | |
| Mono Power Co. | Southern California Edison | utility | | | 21 | 40276 | 345.23 | |
| Monolith Portland Cement Co. | Monolith Portland Cement Co. | other | | | 1 | 173 | 9.43 | |
| Montana Royalty Co. | Peter Kiewit Sons, Inc. | other | | | 1 | 40 | 0.00 | |
| Mountain States Resource Corp. | Mountain States Resource Corp. | other | | | 2 | 11387 | 103.37 | |
| National King Coal Co. | National King Coal | coal | | | 1 | 160 | 2.44 | |
| National King Coal, Inc. | National King Coal | coal | | | 1 | 180 | 0.00 | |
| Neil Butte Co. | Ranchers Energy Co. | other | | | 1 | 3238 | 170.00 | |
| Nevada Electric Investment Co. | Nevada Power Co. | utility | | | 8 | 10375 | 0.00 | |
| New Albion Resources Co. | San Diego Gas & Electric Co. | utility | | | 21 | 40276 | 345.23 | |
| North American Coal Co. | North American Coal Corp. | coal | | | 3 | 2178 | 3.53 | |
| North Antelope Coal Co. | Peabody Holding Co. | peabody | | | 2 | 1360 | 132.15 | |
| North Central Energy Co. | K-W Energy, Inc. | nat gas | | | 1 | 962 | 17.05 | |
| Northern Minerals Co. | Internorth Corp. | nat gas | | | 5 | 3262 | 48.32 | |
| Northwest Carbon Co. | Williams Companies | nat gas | | | 1 | 400 | 14.25 | |
| Northwest Mutual Life Ins. Co. | Northwest Mutual Life Ins. Co. | other | | | 1 | 4856 | 445.00 | |
| Northwestern Resources Co. | Montana Power Co. | utility | | | 1 | 120 | 0.90 | |
| P.I.I. West Ltd. | Petroleum International, Inc. | o&g | | | 2 | 6182 | 12.11 | |
| Pacific Power & Light Co. | Pacific Power & Light Co. | utility | | | 13 | 14262 | 78.65 | |
| Paragon Resources Co. | Padilla, F. | indivd | | | 2 | 160 | 0.78 | |
| Peabody Coal Co. | Public Service Co. of NM | utility | | | 5 | 10239 | 109.71 | |
| Perma Mining Corp. | Peabody Holding Co. | peabody | | | 26 | 50678 | 1281.38 | |
| Peter Kiewit Sons, Inc. | Perma Resources Corp. | coal | | | 1 | 90 | 0.00 | |
| | Peter Kiewit Sons, Inc. | other | | | 1 | 524 | 40.00 | |

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| LESSEE | PAREN' | BUS. CA'. | PARENT #2 | BUS. CAT. | EASES | ACRES RECOV. | RES. |
|--------------------------------|--------------------------------|-----------|-----------------------------|-----------|-------|--------------|--------|
| Phillips Petroleum Corp. | Phillips Petroleum Corp. | oil major | | | 3 | 3580 | 268.00 |
| Pitkin Iron Corp. | Pitkin Iron Corp. | m&m | NICOR, Inc. | nat gas | 1 | 40 | 0.00 |
| Powder River Coal Co. | Peabody Holding Co. | peabody | | | 2 | 2600 | 95.00 |
| Powderhorn Properties Co. | Eastern Gas & Fuel Associates | other | NICOR, nc. | nat gas | 6 | 8524 | 81.96 |
| Rasmussen, A. & V. | Rasmussen, A. & V. | indivd | | | 1 | 40 | 0.15 |
| Read, Edwin C. | Read, Edwin C. | indivd | | | 1 | 2560 | 0.00 |
| Reese, Thomas E. & Dixie | Reese, Thomas E. | indivd | | | 1 | 80 | 0.00 |
| Republic Steel Corp. | Republic Steel Corp. | steel | | | 2 | 3536 | 9.50 |
| Resource Development Co. | Pacific Power & Light Co. | utility | | | 5 | 4311 | 130.00 |
| Resource Exploration & Mining | Resource Exploration & Mining | coal | | | 1 | 80 | 1.40 |
| Riebold, P. | Riebold, P. | indivd | | | 1 | 1675 | 17.60 |
| River Processing, Inc. | Reliance Group Holdings, Inc. | other | | | 1 | 197 | 0.37 |
| Rosebud Coal Sales Co. | Peter Kiewit Sons, Inc. | other | | | 3 | 6481 | 35.96 |
| Royal Land Co. | Standard Oil (Ohio) Co. | oil major | | | 1 | 2571 | 67.14 |
| Ruby Construction Co. | Ruby Construction Co. | other | | | 1 | 146 | 1.40 |
| Ryans Creek Coal Co. | Ryans Creek Coal Co. | coal | | | 2 | 2240 | 5.30 |
| Salt Creek Mining Co. | Occidental Petroleum Corp. | oil major | Colorado Ute Electr c Asso. | ut lity | 6 | 14929 | 119.59 |
| San Juan Coal Co. | Broken Hill Proprietary Ltd. | m&m | | | 1 | 2044 | 60.00 |
| Santa Fe Mining Co. | Santa Fe Industries, Co. | other | | | 2 | 161 | 0.43 |
| Shell Oil Corp. | Shell Oil Corp. | oil major | | | 4 | 6827 | 641.50 |
| Sheridan Enterprises, Inc. | Occidental Petroleum Corp. | oil major | | | 1 | 160 | 0.65 |
| Simmons, J. | Simmons, J. | indivd | | | 1 | 80 | 0.04 |
| Smith & Peavley Co. | Smith & Peavley Co. | coal | | | 1 | 1282 | 0.75 |
| Smith-Holladay Associates | Smith-Holladay Associates | other | | | 1 | 80 | 1.25 |
| Snowmass Coal Co. | Eastern Gas & Fuel Associates | other | N | nc. | 2 | 4882 | 55.08 |
| Soldier Creek Coal Co. | California Portland Cement Co. | oil major | | nat gas | 1 | 400 | 0.00 |
| Sorenson Resources Co. | Sorenson Resources Co. | other | | | 3 | 6400 | 42.76 |
| Spring Creek Coal Co. | Pacific Power & Light Co. | utility | | | 1 | 2347 | 243.00 |
| Stovall, Billy Gene | Stovall, Billy Gene | indivd | | | 1 | 521 | 0.72 |
| Sunland Mining Corp. | Pyro Energy Co. | o&g | | | 2 | 240 | 0.90 |
| Sunoco Energy Development Co. | The Sun Co. | oil major | | | 7 | 15148 | 643.62 |
| Swanton Energy Resources Co. | Swanton Corp. | other | | | 16 | 27658 | 360.77 |
| Sweetwater Resources, Inc. | Monsanto Corp. | nrrd | | | 2 | 16432 | 76.60 |
| Texaco, Inc. | Texaco, Inc. | oil major | | | 5 | 9417 | 800.50 |
| Texas Energy Services, Inc. | Kaneb Services | other | | | 1 | 4856 | 445.00 |
| The Pacola Co. | The Pacola Co. | coal | | | 1 | 960 | 0.00 |
| Thermal Energy Co. | Washington Energy Co. | nat gas | | | 1 | 2096 | 178.00 |
| Thermal Energy Co. | Thermal Energy Co. | o&g | | | 1 | 6336 | 38.44 |
| Thompson Creek Coal & Coke Co. | Thompson Creek Coal & Coke Co. | coal | | | 1 | 120 | 1.00 |
| Thunder Basin Coal Co. | Atlantic Richfield Co. | oil major | | | 3 | 11690 | 952.10 |
| U.S. Steel Corp. | U.S. Steel Corp. | steel | | o&g | 19 | 20373 | 438.47 |
| Union Pacific Corp. | Union Pacific Corp. | other | Hunt Enterpr ses | | 2 | 2568 | 17.90 |
| United States Fuel Co. | Sharon Steel Corp. | steel | | | 3 | 5726 | 36.20 |
| Utah International, Inc. | Broken Hill Proprietary Ltd. | nrrd | | | 25 | 23105 | 818.82 |
| Utah Power & Light Co. | Utah Power & Light Co. | utility | | | 15 | 28309 | 219.88 |
| Valencia Energy Co. | Tucson Electric Company | utility | | | 4 | 9311 | 109.71 |
| W.A. Land Company | Houston Natural Gas Co. | nat gas | | | 2 | 920 | 0.00 |

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| LESSEE | PARENT #1 | BUS. CAT. | PARENT #2 | BUS. CAT. | LEASES | ACRES RECOV. | RES. |
|--------------------------------|-------------------------------|-----------|-----------|-----------|--------|--------------|--------|
| W.K. Minerals, Inc. | Diamond Shamrock Corp. | nrrd | | | 1 | 642 | 4.75 |
| W.R. Grace & Co. | W.R. Grace & Co. | nrrd | | | 1 | 3863 | 33.00 |
| Wasatch Coal Co. | Wasatch Coal Co. | coal | | | 1 | 280 | 0.34 |
| Washington Irrigation & Develo | Washington Water Power Co. | utility | | | 2 | 521 | 8.70 |
| Weaver, H. & O. | Weaver, H. & O. | indivd | | | 1 | 80 | 0.30 |
| Weich, E. & Wiggins, S. | Weich, E. & Wiggins, S. | indivd | | | 1 | 120 | 1.99 |
| West, S. | West, S. | indivd | | | 1 | 961 | 12.60 |
| Western Energy Co. | Montana Power Co. | utility | | | 8 | 13003 | 286.40 |
| Western Fuels-Utah, Inc. | Western Fuels Association | utility | | | 5 | 6441 | 66.33 |
| Western Slope Carbon, Inc. | Williams Companies | nat gas | | | 4 | 1539 | 30.10 |
| Wilberg, C. | Wilberg, C. | indivd | | | 1 | 80 | 0.35 |
| Williams, Jerry | Williams, Jerry | indivd | | | 3 | 3012 | 10.97 |
| Winton Coal Co. | Union Pacific Corp. | other | | | 1 | 1645 | 12.50 |
| Wyodak Resources Dev. Corp. | Black Hills Power & Light Co. | utility | | | 6 | 2240 | 186.10 |
| Wyoming Fuel Co. | K-N Energy, Inc. | nat gas | | | 2 | 466 | 1.94 |

| FEDERAL COAL LESSEES PARENT COMPANIES AND LEASEHOLDING SUBSIDIARIES | | | | | | |
|--|--------------------------------|-----------|--------|--------------|---------|--|
| PARENT | LESSEE | BUS. CAT. | LEASES | ACRES RECOV. | RES | |
| AMCA Resources | AMCA Coal Leasing, Inc. | coal | 6 | 2532 | 31.85 | |
| Abston Construction Co. | Abston Construction Co. | coal | 1 | 638 | 1.17 | |
| Alabama Electric Coop. | Alabama Electric Coop. | utility | 1 | 198 | 0.06 | |
| Alaska State Bank | Alaska State Bank | other | 1 | 600 | 0.00 | |
| Anax, Inc. | Meadowlark Farms, Inc. | m&m | 6 | 9038 | 1261.10 | |
| American Colloid Co. | American Colloid Co. | other | 1 | 80 | 2.28 | |
| American Electric Power Co. | Blackhawk Coal Co. | utility | 11 | 12698 | 250.00 | |
| American Electric Power Co. | Franklin Real Estate Co. | utility | 1 | 634 | 3.35 | |
| American Minority Mining | American Minority Mining | other | 1 | 400 | 1.80 | |
| Ametex Corp. | Ametex Corp. | other | 2 | 280 | 0.49 | |
| Apex Mining Company, Inc. | Apex Mining Company, Inc. | coal | 2 | 240 | 0.52 | |
| Arizona Public Service Co. | Malapai Resources Co. | utility | 21 | 40276 | 345.23 | |
| Armco Steel Corp. | Evans Coal Co. | steel | 11 | 17857 | 54.72 | |
| Ashland Oil Co. | Ark Land Co. | o&g | 14 | 16223 | 61.34 | |
| Atlantic Richfield Co. | Medicine Bow Coal Co. | o&g | 3 | 7011 | 17.90 | |
| Atlantic Richfield Co. | Atlantic Richfield Co. | oil major | 3 | 7419 | 196.43 | |
| Atlantic Richfield Co. | Beaver Creek Coal Co. | oil major | 7 | 5494 | 93.54 | |
| Atlantic Richfield Co. | Thunder Basin Coal Co. | oil major | 3 | 11690 | 952.10 | |
| BankAmerica Corp. | Bank of America | other | 4 | 6872 | 135.59 | |
| Basin Cooperative Services | Basin Cooperative Services | utility | 3 | 2425 | 28.10 | |
| Bass, R. & Bass Trusts | Bass, R. & Bass Trusts | other | 1 | 20701 | 242.10 | |
| Baukol-Noonan, Inc. | Baukol-Noonan, Inc. | coal | 1 | 2325 | 40.63 | |
| Bell, J. | Bell, J. | indivd | 1 | 80 | 0.05 | |
| Bishopsgate Coal Corp. | Bishopsgate Coal Corp. | coal | 1 | 161 | 0.84 | |
| Black Hills Power & Light Co. | Wyodak Resources Dev. Corp. | utility | 6 | 2240 | 186.10 | |
| Bonsness, L. | Bonsness, L. | indivd | 1 | 80 | 0.16 | |
| Brigham Young University | Brigham Young University | other | 3 | 277 | 1.54 | |
| Broken Hill Proprietary Ltd. | Energy Reserves Group, Inc. | m&m | 4 | 7849 | 51.70 | |
| Broken Hill Proprietary Ltd. | San Juan Coal Co. | m&m | 1 | 2044 | 60.00 | |
| Broken Hill Proprietary Ltd. | Utah International, Inc. | nrrd | 25 | 23105 | 818.82 | |
| Bugni, A. & T. | Bugni, A. | indivd | 1 | 80 | 0.00 | |
| COP Coal Development Co. | Bugni, T. & R. | indivd | 1 | 80 | 0.00 | |
| CPS Mining Co, Inc. | COP Coal Development Co. | coal | 2 | 1480 | 19.39 | |
| California Portland Cement Co. | CPS Mining Co, Inc. | other | 1 | 538 | 0.30 | |
| California Portland Cement Co. | California Portland Cement Co. | other | 1 | 1548 | 21.36 | |
| California Portland Cement Co. | Soldier Creek Coal Co. | oil major | 1 | 400 | 0.00 | |
| Cameron Coal Co. | Cameron Coal Co. | coal | 3 | 4464 | 14.83 | |
| Capital Development Co. | Capital Development Co. | other | 1 | 1832 | 7.80 | |
| Cari International Mining Corp | Cari International Mining Corp | other | 1 | 360 | 1.31 | |
| Carroll County Coal Co. | Carroll County Coal Co. | other | 1 | 412 | 18.38 | |
| Centurion Trust | Kerr Coal Co. | other | 1 | 770 | 4.90 | |
| Chapman, R. | Chapman, R. | indivd | 1 | 1675 | 17.60 | |
| Chevron Corp. | Chevron Coal Development Co. | oil major | 1 | 674 | 110.00 | |
| China Butte Coal Co. | Gulf Oil Corp. | oil major | 40 | 58866 | 803.74 | |
| Colorado-Ute Electric Asso. | China Butte Coal Co. | other | 1 | 5974 | 62.73 | |
| Commonwealth Edison | Salt Creek Mining Co. | utility | 6 | 14929 | 119.59 | |
| Corp. of the Presiding Bishop | Edison Development Co. | utility | 1 | 7066 | 103.00 | |
| Crane Co. | Corp. of the Presiding Bishop | other | 3 | 3045 | 0.00 | |
| | CF&I Steel Corp. | other | 1 | 3470 | 5.40 | |

FEDERAL COAL LESSEES
PARENT COMPANIES AND LEASEHOLDING SUBSIDIARIES

| PARENT | LESSEE | BUS. CAT. | LEASES | ACRES RECOV. | RES. |
|--------------------------------|--------------------------------|-----------|--------|--------------|---------|
| Cravat Coal Co. | Conotton Land Co. | coal | 2 | 400 | 1.50 |
| Damson Oil Corp. | Dorchester Coal Co. | o&g | 3 | 14729 | 117.70 |
| Davis, R. | Davis, R. | other | 1 | 40 | 0.07 |
| Denton, C. | Denton, C. | indivd | 1 | 80 | 0.30 |
| Diamond Shamrock Corp. | W.K. Minerals, Inc. | nrrd | 1 | 642 | 4.75 |
| Divide Coal Mining Co. | Divide Coal Mining Co. | coal | 1 | 80 | 0.80 |
| DuPont | Consol Land Development | nrrd | 1 | 1895 | 48.70 |
| DuPont | Consolidation Coal Co. | nrrd | 34 | 57531 | 1086.24 |
| Eastern Gas & Fuel Associates | Eastern Coal Properties, Inc. | nrrd | 1 | 1910 | 33.62 |
| Eastern Gas & Fuel Associates | Grand Mesa Properties Co. | other | 2 | 1266 | 20.46 |
| Eastern Gas & Fuel Associates | Powderhorn Properties Co. | other | 6 | 8524 | 81.96 |
| Eastern Gas & Fuel Associates | Snowmass Coal Co. | other | 2 | 4882 | 55.08 |
| Emery Energy, Inc. | Emery Energy, Inc. | coal | 1 | 3795 | 20.30 |
| Equipment Rental Service | Equipment Rental Service | other | 1 | 480 | 0.00 |
| Exxon Corp. | Exxon Coal Resources USA, Inc. | oil major | 2 | 2200 | 0.00 |
| Exxon Corp. | Exxon Coal USA | oil major | 3 | 11057 | 1489.80 |
| FMC Corp. | FMC Corp. | nrrd | 2 | 3201 | 11.50 |
| Farrell Cooper Mining Co. | Farrell Cooper Mining Co. | coal | 6 | 10246 | 34.08 |
| Files, Jerry A. | Files, Jerry A. | indivd | 1 | 521 | 0.72 |
| Fluor Corp. | Anchor Coal Co. | other | 1 | 280 | 5.34 |
| Frandsen G. | Frandsen, G. | indivd | 1 | 40 | 0.42 |
| Frontier Coal Co. USA | Fort Union Mine Partnership | o&g | 1 | 1913 | 115.00 |
| Fulton, C. | Fulton, C. | indivd | 1 | 80 | 0.30 |
| Gaither, K. | Gaither, K. | indivd | 1 | 2557 | 6.48 |
| Gaither, Kenneth R. | Gaither, Kenneth R. | indivd | 1 | 5707 | 12.60 |
| Garland Coal & Mining Co. | Garland Coal & Mining Co. | coal | 4 | 3084 | 8.60 |
| General Dynamics Corp. | Freeman-United Mining Co. | nrrd | 1 | 561 | 0.00 |
| General Dynamics Corp. | Material Service Corp. | nrrd | 2 | 4842 | 18.30 |
| General Electric Corp. | General Electric Holdings, Inc | nrrd | 3 | 5290 | 0.00 |
| Gent's Flying Enterprises | Gent's Flying Enterprises | other | 2 | 160 | 1.75 |
| Geo Resources Exploration, Inc | Geo Resources Exploration, Inc | other | 1 | 320 | 0.69 |
| Granite Creek Coal & Uranium | Granite Creek Coal & Uranium | other | 1 | 280 | 0.20 |
| Great National Corp. | Great National Corp. | other | 1 | 140 | 0.14 |
| HFCO, Inc. | HFCO, Inc. | coal | 1 | 98 | 0.09 |
| Hall, H. | Hall, H. | indivd | 1 | 880 | 0.28 |
| Hamilton Bros. Jt. Venture | Carbon Coal | o&g | 1 | 160 | 0.48 |
| Hanna Mining Corp. | Colowyo Coal Co. | m&m | 2 | 2590 | 146.70 |
| Hanna Mining Corp. | Hayden Gulch West Coal Co. | m&m | 1 | 5298 | 63.64 |
| Hiko Bell Mining & Oil Co. | Hiko Bell Mining & Oil Co. | o&g | 3 | 6400 | 42.76 |
| Houston Natural Gas Co. | W.A. Land Company | nat gas | 2 | 920 | 0.00 |
| Hunt Enterprises | Ark Land Co. | o&g | 14 | 16223 | 61.34 |
| Hunt Enterprises | Medicine Bow Coal Co. | o&g | 3 | 7011 | 17.90 |
| Hunt Enterprises | Union Pacific Corp. | o&g | 2 | 2568 | 17.90 |
| Idaho Power Co. | Bridger Coal Co. | utility | 3 | 8436 | 329.80 |
| Ideal Basic Industries, Inc. | IBI Coal Co. | other | 5 | 9306 | 55.88 |
| Ingraham, F. | Ingraham, F. | indivd | 1 | 160 | 0.14 |
| Intermountain Exploration Co | Intermountain Exploration Co. | m&m | 1 | 160 | 0.00 |
| Internorth Corp. | Belco Petroleum Corp. | nat gas | 1 | 4551 | 215.80 |
| Internorth Corp. | Northern Minerals Co. | nat gas | 5 | 3262 | 48.32 |

| FEDERAL COAL LESSEES PARENT COMPANIES AND LEASEHOLDING SUBSIDIARIES | | | | | |
|--|--------------------------------|-----------|--------|-------|-------------|
| PARENT | LESSEE | BUS. CA. | LEASES | ACRES | RECOV. RES. |
| Iowa Public Service Co. | Energy Development Co. | utility | 1 | 8683 | 6.90 |
| Israel, J.J. | Israel, J.J. | indivd | 1 | 80 | 0.07 |
| Jennings, James Sanders | Jennings, James Sanders | indivd | 1 | 40 | 0. |
| Johnson, G. & A. | Johnson, G. & A. | indivd | 1 | 80 | 0.20 |
| K & R Coal Co. | Bokoshe Coal Company | coal | 1 | 80 | 0.13 |
| K&R Coal Co. | K&R Coal Co. | coal | 1 | 1180 | 5.09 |
| K-N Energy, Inc. | North Central Energy Co. | nat gas | 1 | 962 | 17.05 |
| K-N Energy, Inc. | Wyoming Fuel Co. | nat gas | 2 | 466 | 1.94 |
| Kaiser Steel Corp. | Kaiser Steel Corp. | steel | 10 | 15093 | 86.58 |
| Kaneb Services | LEECO | other | 1 | 362 | 0.60 |
| Kaneb Services | Texas Energy Services, Inc. | other | 1 | 4856 | 445.00 |
| Kerr-McGee Corp. | Kerr-McGee Coal Co. | o&g | 5 | 8695 | 735.70 |
| King Cannel Coal Co. | King Cannel Coal Co. | other | 1 | 240 | 1.18 |
| Kingston, C. & J. | Kingston, C. & J. | indivd | 1 | 120 | 1.45 |
| Kukuchka, C. & W. | Kukuchka, C. & W. | indivd | 1 | 40 | 0.00 |
| Lombardi, P. | Lombardi, P. | indivd | 1 | 80 | 0.08 |
| Loveless, Robert M. | Loveless, Robert M. | indivd | 1 | 2560 | 0.00 |
| Martin, J., trustee | Martin, J., trustee | other | 1 | 40 | 0.17 |
| Martinez, A. | Martinez, A. | indivd | 1 | 40 | 0.14 |
| McKinnon Marital & Resid. Tr. | McKinnon Trusts | other | 5 | 8672 | 96.52 |
| Mid-Continent Resources Corp. | Mid-Continent Resources Corp. | coal | 9 | 7479 | 62.50 |
| Mobil Corp. | Mobil Coal Resources Co. | oil major | 2 | 3959 | 424.50 |
| Monolith Portland Cement Co. | Monolith Portland Cement Co. | other | 1 | 173 | 9.43 |
| Monsanto Corp. | Sweetwater Resources, Inc. | nrrd | 2 | 16432 | 76.60 |
| Montana Power Co. | Northwestern Resources Co. | utility | 1 | 120 | 0.90 |
| Montana Power Co. | Western Energy Co. | ut lity | 8 | 13003 | 286.40 |
| Montana-Dakota Utilities | Knife River Coal Co. | utility | 6 | 9024 | 145.03 |
| Mountain States Resource Corp. | Mountain States Resource Corp. | other | 2 | 11387 | 103.37 |
| NICOR, Inc. | Grand Mesa Properties Co. | nat gas | 2 | 1266 | 20.46 |
| NICOR, Inc. | Pitkin Iron Corp. | nat gas | 1 | 40 | 0.00 |
| NICOR, Inc. | Powderhorn Properties Co. | nat gas | 6 | 8524 | 81.96 |
| NICOR, Inc. | Snowmass Coal Co. | nat gas | 2 | 4882 | 55.08 |
| National King Coal | National King Coal, Inc. | coal | 1 | 160 | 2.44 |
| National King Coal | Nevada Electric Investment Co. | coal | 1 | 180 | 0.00 |
| Nevada Power Co. | Nevada Electric Investment Co. | utility | 8 | 10375 | 0.00 |
| Norm & Co. | Howe Coal Co. | other | 6 | 12439 | 30.43 |
| North American Coal Corp. | Coteau Properties, Inc. | coal | 3 | 3198 | 60.20 |
| North American Coal Corp. | Falkirk Mining Co. | coal | 1 | 160 | 2.14 |
| North American Coal Corp. | Helen Mining Co. | coal | 2 | 81 | 0.18 |
| North American Coal Corp. | North American Coal Co. | coal | 3 | 2178 | 3.53 |
| Northwest Industries, Inc. | Lone Star Steel Co. | other | 8 | 11090 | 17.84 |
| Northwest Mutual Life Ins. Co. | Northwest Mutual Life Ins. Co. | other | 1 | 4856 | 445.00 |
| Occidental Petroleum Corp. | Salt Creek Mining Co. | oil major | 6 | 14929 | 119.59 |
| Occidental Petroleum Corp. | Sheridan Enterprises, Inc. | oil major | 1 | 160 | 0.65 |
| Pacific Power & Light Co. | Antelope Coal Co. | utility | 2 | 4777 | 266.70 |
| Pacific Power & Light Co. | Bridger Coal Co. | utility | 3 | 8436 | 329.80 |
| Pacific Power & Light Co. | Decker Coal Co. | utility | 5 | 14771 | 374.50 |
| Pacific Power & Light Co. | Eden Ridge Coal Co. | utility | 2 | 4874 | 30.00 |
| Pacific Power & Light Co. | Pacific Power & Light Co. | utility | 13 | 14262 | 78.65 |

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| FEDERAL COAL LESSEES | | | | | |
|--|-------------------------------|-----------|--------|-------|-------------|
| PARENT COMPANIES AND LEASEHOLDING SUBSIDIARIES | | | | | |
| PARENT | LESSEE | BUS. CA. | LEASES | ACRES | RECOV. RES. |
| Pacific Power & Light Co. | Resource Development Co. | utility | 5 | 4311 | 130.00 |
| Pacific Power & Light Co. | Spring Creek Coal Co. | utility | 1 | 2347 | 243.00 |
| Padilla, F. | Padilla, F. | indivd | 2 | 160 | 0.78 |
| Panhandle Eastern Pipeline Co. | North Antelope Coal Co. | nat gas | 2 | 1360 | 132.15 |
| Peabody Holding Co. | North Antelope Coal Co. | peabody | 2 | 1360 | 132.15 |
| Peabody Holding Co. | Peabody Coal Co. | peabody | 26 | 50678 | 1281.38 |
| Peabody Holding Co. | Powder River Coal Co. | peabody | 2 | 2600 | 95.00 |
| Perma Resources Corp. | Perma Mining Corp. | coal | 1 | 90 | 0.00 |
| Peter Kiewit Sons, Inc. | Big Horn Coal Co. | other | 2 | 440 | 27.80 |
| Peter Kiewit Sons, Inc. | Black Butte Coal Co. | other | 1 | 14902 | 74.00 |
| Peter Kiewit Sons, Inc. | Cumberland Coal Co. | other | 1 | 1408 | 29.70 |
| Peter Kiewit Sons, Inc. | Decker Coal Co. | other | 5 | 14771 | 374.50 |
| Peter Kiewit Sons, Inc. | Montana Royalty Co. | other | 1 | 40 | 0.00 |
| Peter Kiewit Sons, Inc. | Peter Kiewit Sons, Inc. | other | 1 | 524 | 40.00 |
| Peter Kiewit Sons, Inc. | Rosebud Coal Sales Co. | other | 3 | 6481 | 35.96 |
| Peter Kiewit Sons, Inc. | P.I.I. West Ltd. | o&g | 2 | 6182 | 12.11 |
| Petroleum International, Inc. | Phillips Petroleum Corp. | oil major | 3 | 3580 | 268.00 |
| Phillips Petroleum Corp. | Phillips Petroleum Corp. | oil major | 3 | 2020 | 14.54 |
| Pitkin Iron Corp. | Mid-Continent Limestone Co. | m&m | 3 | 40 | 0.00 |
| Pitkin Iron Corp. | Pitkin Iron Corp. | m&m | 1 | 40 | 0.00 |
| Pittston Coal Co. | Clinchfield Coal | coal | 1 | 251 | 0.30 |
| Property Holding Co. of Albuquerque | Carbon Coal | other | 1 | 160 | 0.48 |
| Public Service Co. of NM | Paragon Resources Co. | utility | 5 | 10239 | 109.71 |
| Pyro Energy Co. | Sunland Mining Corp. | utility | 2 | 240 | 0.90 |
| Quaker State Oil Refining Co. | Kanawha Hocking Coal & Coke | o&g | 6 | 8767 | 347.22 |
| Ranchers Energy Co. | Neil Butte Co. | o&g | 1 | 3238 | 170.00 |
| Rasmussen, A. & V. | Rasmussen, A. & V. | other | 1 | 40 | 0.15 |
| Read, Edwin C. | Read, Edwin C. | indivd | 1 | 2560 | 0.00 |
| Reese, Thomas E. | Reese, Thomas E. & Dixie | indivd | 1 | 80 | 0.00 |
| Reliance Group Holdings, Inc. | River Processing, Inc. | other | 1 | 197 | 0.37 |
| Republic Steel Corp. | Republic Steel Corp. | steel | 2 | 3536 | 9.50 |
| Resource Exploration & Mining | Resource Exploration & Mining | coal | 1 | 80 | 1.40 |
| Riebold, P. | Riebold, P. | indivd | 1 | 1675 | 17.60 |
| Ruby Construction Co. | Ruby Construction Co. | other | 1 | 146 | 1.40 |
| Ryans Creek Coal Co. | Ryans Creek Coal Co. | coal | 2 | 2240 | 5.30 |
| San Diego Gas & Electric Co. | New Albion Resources Co. | utility | 21 | 40276 | 345.23 |
| Santa Fe Industries, Co. | Santa Fe Mining Co. | other | 2 | 161 | 0.43 |
| Sharon Steel Corp. | United States Fuel Co. | steel | 3 | 5726 | 36.20 |
| She Oil Corp. | Shell Oil Corp. | oil major | 4 | 6827 | 641.50 |
| Simmons, J. | Simmons, J. | indivd | 1 | 80 | 0.04 |
| Smith & Peavley Co. | Smith & Peavley Co. | coal | 1 | 1282 | 0.75 |
| Smith-Holladay Associates | Smith-Holladay Associates | other | 1 | 80 | 1.25 |
| Sorenson Resources Co. | Sorenson Resources Co. | other | 3 | 6400 | 42.76 |
| Southern California Edison | Mono Power Co. | utility | 21 | 40276 | 345.23 |
| Standard Equipment, Inc. | Mining Systems Corp. | other | 1 | 680 | 0.32 |
| Standard Oil (Ohio) Co. | Royal Land Co. | oil major | 1 | 2571 | 67.14 |
| Standard Oil of Indiana. Co. | Empire Energy Corp. | oil major | 4 | 1133 | 29.40 |
| Stovall, Billy Gene | Stovall, Billy Gene | indivd | 1 | 521 | 0.72 |
| Swanton Corp. | Swanton Energy Resources Co. | other | 16 | 27658 | 360.77 |

FEDERAL COAL LESSEES
PARENT COMPANIES AND LEASEHOLDING SUBSIDIARIES

| PARENT | LESSEE | BUS. CAT. | LEASES | ACRES | RECOV. | RES. |
|--------------------------------|--------------------------------|-----------|--------|-------|--------|--------|
| Texaco, Inc. | Colorado Yampa Coal Co. | oil major | 1 | 274 | | 0.73 |
| Texaco, Inc. | Getty Minerals Marketing, Inc. | oil major | 7 | 6710 | | 75.00 |
| Texaco, Inc. | Getty Mining Co. | oil major | 4 | 3929 | | 51.00 |
| Texaco, Inc. | Texaco, Inc. | oil major | 5 | 9417 | | 800.50 |
| Texas Eastern Transmission | Fannin Square Corp. | nat gas | 1 | 1910 | | 33.62 |
| The Coastal Corp. | Coastal States Energy Co. | nat gas | 10 | 13299 | | 78.30 |
| The Pacola Co. | The Pacola Co. | coal | 1 | 960 | | 0.00 |
| The Sun Co. | Greenwood Land Mining Co. | oil major | 1 | 409 | | 0.26 |
| The Sun Co. | Sunoco Energy Development Co. | oil major | 7 | 15148 | | 643.62 |
| Thermal Energy Co. | Thermal Energy Co. | o&g | 1 | 6336 | | 38.44 |
| Thompson Creek Coal & Coke Co. | Thompson Creek Coal & Coke Co. | coal | 1 | 120 | | 1.00 |
| Tucson Electric Company | Valencia Energy Co. | utility | 4 | 9311 | | 109.71 |
| U.S. Steel Corp. | U.S. Steel Corp. | steel | 19 | 20373 | | 438.47 |
| Union Pacific Corp. | Black Butte Coal Co. | other | 1 | 14902 | | 74.00 |
| Union Pacific Corp. | Cumberland Coal Co. | other | 1 | 1408 | | 29.70 |
| Union Pacific Corp. | Union Pacific Corp. | other | 2 | 2568 | | 17.90 |
| Union Pacific Corp. | Winton Coal Co. | other | 1 | 1645 | | 12.50 |
| Utah Power & Light Co. | Utah Power & Light Co. | utility | 15 | 28309 | | 219.88 |
| W.R. Grace & Co. | Colowyo Coal Co. | nrrd | 2 | 2590 | | 146.70 |
| W.R. Grace & Co. | Hayden Gulch West Coal Co. | nrrd | 1 | 5298 | | 63.64 |
| W.R. Grace & Co. | W.R. Grace & Co. | nrrd | 1 | 3863 | | 33.00 |
| Wasatch Coal Co. | Wasatch Coal Co. | coal | 1 | 280 | | 0.34 |
| Washington Energy Co. | Thermal Energy Co. | nat gas | 1 | 2096 | | 178.00 |
| Washington Water Power Co. | Washington Irrigation & Develo | utility | 2 | 521 | | 8.70 |
| Weaver, H. & O. | Weaver, H. & O. | indiv | 1 | 80 | | 0.30 |
| Welch, E. & Wiggins, S. | Welch, E. & Wiggins, S. | indiv | 1 | 120 | | 1.99 |
| West, S. | West, S. | indiv | 1 | 961 | | 12.60 |
| Western Fuels Association | Western Fuels-Utah, Inc. | utility | 5 | 6441 | | 66.33 |
| Westhoff Brothers, Inc. | P.I.I. West Ltd. | other | 2 | 6182 | | 12.11 |
| Westmoreland Coal Co. | Colorado Westmoreland, Inc. | coal | 4 | 6443 | | 46.91 |
| Wilberg, C. | Wilberg, C. | indiv | 1 | 80 | | 0.35 |
| Williams Companies | Northwest Carbon Co. | nat gas | 1 | 400 | | 14.25 |
| Williams Companies | Western Slope Carbon, Inc. | nat gas | 4 | 1539 | | 30.10 |
| Williams, Jerry | Williams, Jerry | indiv | 3 | 3012 | | 10.97 |

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02/03/86

DEVELOPMENT S A US OF FEDERAL COAL LEASES

| STATE SERIAL | BLOCK OR MINE NAME | DATE ISSUED | ACRES DEV. STATUS | LESSEE #1 | PCT NO. LESSEES | DATE ACQUIRED | HOW ACQUIRED | SEC. 3 DATE | SEC. 3 STATUS |
|--------------|---------------------------|-------------|-------------------|-------------------------------|-----------------|---------------|--------------|-------------|---------------|
| AK F04923 | Alaska State Bank | 09/18/47 | 600 UP | Alaska State Bank | 100 1 | / | ind | 08/04/86 00 | |
| AK F014996 | Read PRLA | 03/22/83 | 2560 UN | Read, Edwin C. | 50 3 | 03/22/83 | den | 03/22/93 00 | |
| AL ES12284 | North River | 06/01/74 | 2338 AA | Republic Steel Corp. | 100 1 | 06/01/74 | den | 08/04/86 00 | |
| AL ES26901 | North River | 02/01/82 | 1198 AA | Gulf Oil Corp. | 50 2 | 02/01/82 | den | 02/01/92 00 | |
| AL ES27219 | Brannon Creek | 01/01/83 | 479 00 | Ark Land Co. | 100 1 | 01/01/83 | den | 01/01/93 00 | |
| AL ES27221 | Dividingridge | 11/01/82 | 638 00 | Abston Construction Co. | 100 1 | 11/01/82 | den | 11/01/92 00 | |
| AL ES27220 | Elm Grove | 03/01/82 | 80 00 | Israel, J.J. | 100 1 | 03/01/82 | den | 03/01/92 00 | |
| AL ES27227 | Flatwoods | 03/01/83 | 478 00 | Williams, Jerry | 100 1 | 03/01/83 | den | 03/01/93 00 | |
| AL ES26900 | Goodwin Creek | 01/01/82 | 201 00 | Apex Mining Company, Inc. | 100 1 | 01/01/82 | den | 01/01/92 00 | |
| AL ES27228 | Howard | 07/01/82 | 822 00 | Ark Land Co. | 100 1 | 07/01/82 | den | 07/01/92 00 | |
| AL ES27218 | Jess Creek | 07/01/82 | 1972 00 | Williams, Jerry | 100 1 | 07/01/82 | den | 07/01/92 00 | |
| AL ES27217 | Piney Woods Church | 07/01/82 | 198 00 | Alabama Electric Coop. | 100 1 | 07/01/82 | den | 07/01/92 00 | |
| AL ES27072 | Rock Springs Church | 01/01/82 | 3480 00 | U.S. Steel Corp. | 100 1 | 01/01/82 | den | 01/01/92 00 | |
| AL ES16968 | Stovall-Files | 06/01/80 | 521 00 | Files, Jerry A. | 50 2 | 06/01/80 | den | 06/01/90 00 | |
| AL ES27222 | Tyro Creek | 03/01/83 | 562 00 | Williams, Jerry | 100 1 | 03/01/83 | den | 03/01/93 00 | |
| AL ES26902 | Upper North River | 01/01/82 | 40 00 | Jennings, James Sanders | 100 1 | 01/01/82 | den | 01/01/92 00 | |
| AL ES26904 | Upper Sulfur Springs Chur | 01/01/82 | 39 00 | Apex Mining Company, Inc. | 100 1 | 01/01/82 | den | 01/01/92 00 | |
| CA S032582 | Reese | 09/09/43 | 80 UP | Reese, Thomas E. & Dixie | 100 2 | / | den | 08/04/86 NU | |
| CO D046544 | Apex No.2 | 10/01/66 | 80 AA | Sunland Mining Corp. | 100 1 | 10/01/66 | den | 08/04/86 YH | |
| CO C011538 | Apex No.2 | 12/03/37 | 160 AA | Sunland Mining Corp. | 100 1 | 01/01/77 | ind | 01/01/87 YH | |
| CO C27931 | Cameo | 06/01/51 | 2560 AA | Powderhorn Properties Co. | 100 1 | 03/01/80 | den | 03/01/90 00 | |
| CO C31805 | Canadian Strip | 03/01/80 | 90 AI | Wyoming Fuel Co. | 100 1 | 11/01/81 | den | 11/01/91 00 | |
| CO C34886 | Chimney Rock | 10/01/83 | 376 AI | Wyoming Fuel Co. | 100 1 | 10/01/83 | den | 10/01/93 00 | |
| CO C12640 | Coal Basin | 05/01/66 | 1529 AA | Perma Mining Corp. | 100 1 | 05/01/71 | seg | 08/04/86 YH | |
| CO C0115606 | Coal Basin | 01/01/65 | 80 AA | Mid-Continent Resources Corp. | 100 1 | 01/01/65 | den | 08/04/86 YH | |
| CO C011646 | Coal Basin | 10/01/58 | 957 AA | Mid-Continent Resources Corp. | 100 1 | 05/01/74 | ind | 08/04/86 YH | |
| CO C0125456 | Coal Basin | 04/01/61 | 80 AA | Mid-Continent Resources Corp. | 100 1 | 07/01/65 | seg | 08/04/86 YH | |
| CO C030345 | Coal Basin | 04/01/61 | 117 AA | Mid-Continent Resources Corp. | 100 1 | 05/01/71 | ind | 08/04/86 YH | |
| CO C074632 | Coal Basin | 12/01/66 | 680 AA | Mid-Continent Resources Corp. | 100 1 | 07/01/66 | den | 08/04/86 YH | |
| CO C0125457 | Coal Basin | 10/01/58 | 1142 AA | Mid-Continent Resources Corp. | 100 1 | 07/01/65 | seg | 08/04/86 YH | |
| CO C09004 | Coal Basin | 05/01/61 | 1529 AA | Mid-Continent Resources Corp. | 100 1 | 05/01/61 | den | 08/04/86 YH | |
| CO C09005 | Coal Basin | 11/01/58 | 1365 AA | Mid-Continent Resources Corp. | 100 1 | 11/01/58 | den | 08/04/86 YH | |
| CO C036906 | Colby Red Canyon | 04/01/24 | 41 AN | Powderhorn Properties Co. | 100 1 | 07/01/82 | ind | 07/01/92 QM | |
| CO D034365 | Colowyo Strip | 10/25/24 | 2545 AA | Colowyo Coal Co. | 100 1 | 12/01/73 | par | 08/04/86 YH | |
| CO C35874 | Colowyo Strip | 07/01/81 | 45 AA | Colowyo Coal Co. | 100 1 | 07/01/81 | den | 07/01/91 00 | |
| CO C020740 | Cottonwood Creek/Cameo | 10/01/58 | 40 AA | Powderhorn Properties Co. | 34 2 | 12/01/84 | ind | 08/04/86 YH | |
| CO C029889 | Cottonwood Creek/Cameo | 11/01/64 | 2522 AA | Powderhorn Properties Co. | 100 1 | 12/01/84 | ind | 12/01/94 YH | |
| CO C024998 | Cottonwood Creek/Cameo | 10/01/63 | 2551 AA | Powderhorn Properties Co. | 100 1 | 12/01/84 | ind | 12/01/94 YH | |
| CO D047201 | Deserado | 07/25/36 | 513 AA | Western Fuels-Utah, Inc. | 100 1 | 12/01/83 | ind | 12/01/93 YL | |
| CO C023703 | Deserado | 03/01/63 | 2557 AA | Western Fuels-Utah, Inc. | 100 1 | 06/01/81 | ind | 06/01/91 YL | |

DEVELOPMENT STATUS OF FEDERAL COAL LEASES

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| CO C8424 | Deserado | 06/01/82 | 2552 AA | Western Fuels Utah, Inc. | 100 1 | 06/01/82 | den | 06/01/92 OO | |
| CO C0126669 | Deserado | 08/01/82 | 259 AA | Western Fuels Utah, Inc. | 100 1 | 08/01/82 | den | 08/01/92 OO | |
| CO C8425 | Deserado | 06/01/82 | 560 AA | Western Fuels Utah, Inc. | 100 1 | 06/01/82 | den | 06/01/92 OO | |
| CO C0126480 | Eagle Complex | 01/01/66 | 367 AA | Empire Energy Corp. | 100 1 | 02/01/76 | ind | 08/04/86 YM | |
| CO C0127865 | Eagle Complex | 01/01/66 | 43 AA | Empire Energy Corp. | 100 1 | 04/01/72 | ind | 08/04/86 YM | |
| CO D056298 | Eagle Complex | 12/01/49 | 41 AA | Empire Energy Corp. | 100 1 | 04/01/72 | ind | 08/04/86 YM | |
| CO C30656 | Eagle Complex | 07/01/81 | 682 AA | Empire Energy Corp. | 100 1 | 07/01/81 | den | 07/01/91 OO | |
| CO C021601 | Edna Strip | 06/01/62 | 827 AA | Gulf Oil Corp. | 100 1 | 06/01/62 | den | 08/04/86 YM | |
| CO D033327 | Edna Strip | 04/23/25 | 280 AA | Gulf Oil Corp. | 100 1 | 04/01/62 | ind | 08/04/86 YM | |
| CO D041478 | Edna Strip | 05/06/30 | 80 AA | Gulf Oil Corp. | 100 1 | 04/01/62 | ind | 08/04/86 YM | |
| CO D053710 | Edna Strip | 06/10/47 | 89 AA | Gulf Oil Corp. | 100 1 | 07/01/62 | ind | 08/04/86 YM | |
| CO C0128433 | Energy Fuels Complex | 06/01/75 | 475 AA | Getty Minerals Marketing, Inc. | 100 1 | 03/01/77 | ind | 03/01/87 YM | |
| CO C081330 | Energy Fuels Complex | 11/01/63 | 2215 AA | Getty Minerals Marketing, Inc. | 100 1 | 03/01/77 | ind | 03/01/87 YM | |
| CO C16284 | Energy Fuels Complex | 07/01/78 | 263 AA | Getty Minerals Marketing, Inc. | 100 1 | 07/01/78 | den | 07/01/88 OO | |
| CO C20900 | Energy Fuels Complex | 11/01/78 | 420 AA | Getty Minerals Marketing, Inc. | 100 1 | 11/01/78 | den | 11/01/88 OO | |
| CO C22644 | Energy Fuels Complex | 07/01/79 | 1790 AA | Getty Minerals Marketing, Inc. | 100 1 | 07/01/79 | den | 07/01/89 OO | |
| CO C22676 | Energy Fuels Complex | 09/01/79 | 402 AA | Getty Minerals Marketing, Inc. | 100 1 | 09/01/79 | den | 09/01/89 OO | |
| CO D052547 | Energy Fuels Complex | 03/01/45 | 1145 AA | Getty Minerals Marketing, Inc. | 100 1 | 09/01/77 | ind | 09/01/87 YM | |
| CO C17130 | Hawksnest East | 12/01/73 | 241 AI | Western Slope Carbon, Inc. | 100 1 | 12/01/73 | den | 08/04/86 YM | |
| CO C27103 | Hawksnest East | 10/01/79 | 290 AI | Western Slope Carbon, Inc. | 100 1 | 10/01/79 | den | 10/01/89 OO | |
| CO D042921 | Hawksnest East | 02/25/31 | 819 AI | Western Slope Carbon, Inc. | 100 1 | 10/01/70 | ind | 08/04/86 YM | |
| CO D056724 | Hawksnest East | 12/01/50 | 189 AI | Western Slope Carbon, Inc. | 100 1 | 05/01/70 | ind | 08/04/86 YM | |
| CO P058300 | King Coal | 09/11/41 | 160 AA | National King Coal Co. | 100 1 | 02/01/78 | ind | 02/01/88 YM | |
| CO C0125436 | Loma Complex | 05/01/68 | 2446 AI | Salt Creek Mining Co. | 100 1 | 01/01/78 | ind | 01/01/88 QM | |
| CO C0125437 | Loma Complex | 05/01/68 | 2357 AI | Salt Creek Mining Co. | 100 1 | 01/01/78 | ind | 01/01/88 QM | |
| CO C0125438 | Loma Complex | 05/01/68 | 2560 AI | Salt Creek Mining Co. | 100 1 | 01/01/78 | ind | 01/01/88 QM | |
| CO C0125439 | Loma Complex | 05/01/68 | 2483 AI | Salt Creek Mining Co. | 100 1 | 01/01/78 | ind | 01/01/88 QM | |
| CO C0125515 | Loma Complex | 05/01/68 | 2560 AI | Salt Creek Mining Co. | 100 1 | 01/01/78 | ind | 01/01/88 QM | |
| CO C0125516 | Loma Complex | 05/01/68 | 2523 AI | Salt Creek Mining Co. | 100 1 | 01/01/78 | ind | 01/01/88 QM | |
| CO C22777 | Marr | 07/01/80 | 770 AA | Kerr Coal Co. | 100 1 | 07/01/80 | den | 07/01/90 OO | |
| CO C1545 | Meeker Area | 09/01/67 | 896 AI | Northern Minerals Co. | 100 1 | 06/01/79 | ind | 06/01/89 YM | |
| CO C28358 | Meeker Area | 06/01/67 | 886 AI | Northern Minerals Co. | 100 1 | 06/01/79 | seg | 06/01/89 YM | |
| CO C28359 | Meeker Area | 06/01/67 | 1000 AI | Northern Minerals Co. | 100 1 | 09/01/79 | seg | 06/01/89 YM | |
| CO C076713 | Meeker Area | 02/01/66 | 320 AI | Northern Minerals Co. | 100 1 | 12/01/79 | ind | 12/01/89 YM | |
| CO D044240 | Meeker Area | 01/12/33 | 160 AI | Northern Minerals Co. | 100 1 | 12/01/79 | ind | 12/01/89 YM | |
| CO C0117192 | Mt. Gunnison | 06/01/65 | 1243 AA | Atlantic Richfield Co. | 100 1 | 03/11/69 | ind | 08/04/86 YM | |
| CO C1362 | Mt. Gunnison | 09/01/67 | 4836 AA | Atlantic Richfield Co. | 100 1 | 09/01/67 | den | 08/04/86 YM | |
| CO D044569 | Mt. Gunnison | 08/30/34 | 1340 AA | Atlantic Richfield Co. | 100 1 | 04/01/71 | ind | 08/04/86 YM | |
| CO C08172 | N. Thompson Creek | 06/01/58 | 2413 AN | Snowmass Coal Co. | 100 1 | 08/01/80 | ind | 08/01/90 NM | |
| CO C08173 | N. Thompson Creek | 06/01/58 | 2469 AN | Snowmass Coal Co. | 100 1 | 08/01/80 | ind | 08/01/90 NM | |
| CO C29125 | National King Coal | 11/01/81 | 180 AA | National King Coal, Inc. | 100 1 | 11/01/81 | den | 11/01/91 OO | |

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|-------|----------|----------------------|----------------|-------|----------------|--------------------------------|--------------------|-------------------|------------------|----------------|------------------|
| CO | c069942 | Ohio Creek No.2 | 04/01/62 | 80 | AA | Weaver, H. & O. | 100 1 | 05/01/76 | ind | 08/04/86 | YM |
| CO | C25079 | Orchard Valley | 03/01/78 | 310 | AA | Colorado Westmoreland, Inc. | 100 1 | 03/01/78 | den | 03/01/88 | 00 |
| CO | c27432 | Orchard Valley | 09/01/79 | 854 | AA | Colorado Westmoreland, Inc. | 100 1 | 09/01/79 | den | 09/01/89 | 00 |
| CO | c37210 | Orchard Valley | 05/01/84 | 4999 | AA | Colorado Westmoreland, Inc. | 100 1 | 05/01/84 | den | 05/01/94 | 00 |
| CO | C078049 | Roadside | 08/01/66 | 810 | AA | Powderhorn Properties Co. | 100 1 | 12/01/84 | ind | 12/01/94 | YM |
| CO | C19885 | Seneca 2 | 06/01/79 | 125 | AA | Peabody Coal Co. | 100 1 | 06/01/79 | den | 06/01/89 | YM |
| CO | C088199 | Seneca 2 | 07/01/63 | 2280 | AA | Peabody Coal Co. | 100 1 | 07/01/63 | den | 08/04/86 | YM |
| CO | C086654 | Seneca 2 (##7) | 07/01/63 | 160 | AA | Peabody Coal Co. | 100 1 | 07/01/63 | den | 08/04/86 | YM |
| CO | C033301 | Somerset | 01/07/60 | 625 | AA | U.S. Steel Corp. | 100 1 | 07/01/60 | den | 08/04/86 | YM |
| CO | c033302 | Somerset | 07/01/64 | 1548 | AA | U.S. Steel Corp. | 100 1 | 03/15/60 | den | 08/04/86 | YM |
| CO | D052504 | Somerset | 08/19/44 | 3470 | AA | U.S. Steel Corp. | 100 1 | 03/01/56 | ind | 08/04/86 | YM |
| CO | c36446 | Somerset | 05/01/84 | 79 | AA | U.S. Steel Corp. | 100 1 | 05/01/84 | den | 05/01/94 | 00 |
| CO | C25948 | Trapper | 06/01/80 | 85 | AA | Utah International, Inc. | 100 1 | 06/01/80 | den | 06/01/90 | YM |
| CO | c07518 | Trapper | 06/01/58 | 2566 | AA | General Electric Holdings, Inc | 100 1 | 06/01/58 | den | 08/04/86 | YM |
| CO | C07519 | Trapper | 06/01/58 | 1372 | AA | General Electric Holdings, Inc | 100 1 | 06/01/58 | den | 08/04/86 | YM |
| CO | C079641 | Trapper | 10/01/62 | 1352 | AA | General Electric Holdings, Inc | 100 1 | 10/01/62 | den | 08/04/86 | YM |
| CO | c813 | Trapper | 04/01/70 | 160 | AA | Utah International, Inc. | 100 1 | 03/01/70 | den | 08/04/86 | YM |
| CO | C0127833 | Fruita | 07/01/81 | 5087 | PN | Dorchester Coal Co. | 100 1 | 07/01/81 | den | 07/01/91 | 00 |
| CO | C0127832 | Fruita | 07/01/81 | 4522 | PN | Dorchester Coal Co. | 100 1 | 07/01/81 | den | 07/01/91 | 00 |
| CO | c0127834 | Fruita | 07/01/81 | 5120 | PN | Dorchester Coal Co. | 100 1 | 07/01/81 | den | 07/01/91 | 00 |
| CO | C081251 | Seneca 2W | 05/01/65 | 2519 | PN | Material Service Corp. | 100 1 | 05/01/65 | den | 08/04/86 | QM |
| CO | c081258 | Seneca 2W | 05/01/65 | 2323 | PN | Material Service Corp. | 100 1 | 05/01/65 | den | 08/04/86 | QM |
| CO | C0114093 | Seneca 2W | 05/01/64 | 1320 | PN | Peabody Coal Co. | 100 1 | 05/01/64 | den | 08/04/86 | QM |
| CO | c0112685 | Denver Basin | 12/01/67 | 640 | R | Peabody Coal Co. | 100 1 | / / | rel | / / | 0 0 |
| CO | C0112686 | Denver Basin | 12/01/67 | 640 | R | Peabody Coal Co. | 100 1 | / / | rel | / / | 0 0 |
| CO | c0112687 | Denver Basin | 12/01/67 | 644 | R | Peabody Coal Co. | 100 1 | / / | rel | / / | 0 0 |
| CO | C0126477 | Denver Basin | 12/01/67 | 760 | R | Peabody Coal Co. | 100 1 | / / | rel | / / | 0 0 |
| CO | D057166 | Jackson Co. | 06/21/51 | 173 | R | Monolith Portland Cement Co. | 100 1 | / / | rel | / / | 0 0 |
| CO | c012765 | Thompson Creek | 06/01/60 | 498 | R | Garland Coal & Mining Co. | 100 1 | / / | rel | / / | 0 0 |
| CO | C012894 | Cardinal | 02/01/56 | 634 | UP | Franklin Real Estate Co. | 100 1 | 06/01/75 | ind | 08/04/86 | NU |
| CO | C028875 | Chapman & Riebo(d | 11/01/31 | 1675 | UN | Riebold, P. | 50 2 | 06/01/74 | par | 08/04/86 | NU |
| CO | C0125485 | Coal Basin West(#28) | 01/01/65 | 200 | UN | U.S. Steel Corp. | 100 1 | 07/01/65 | seg | 08/04/86 | NM |
| CO | C030344 | Coal Basin West(#28) | 05/01/60 | 517 | UN | U.S. Steel Corp. | 100 1 | 05/01/60 | den | 08/04/86 | NM |
| CO | c12638 | Coal Basin West(#28) | 01/01/65 | 315 | UN | U.S. Steel Corp. | 100 1 | 05/01/71 | den | 08/04/86 | NM |
| CO | C12639 | Coal Basin West(#28) | 12/01/66 | 800 | UN | U.S. Steel Corp. | 100 1 | 05/01/71 | den | 08/04/86 | NM |
| CO | c1894 | Coal Basin West(#28) | 12/01/66 | 120 | UN | U.S. Steel Corp. | 100 1 | 06/01/67 | seg | 08/04/86 | NM |
| CO | C7852 | Coal Basin West(#28) | 12/01/66 | 160 | UN | U.S. Steel Corp. | 100 1 | 11/01/68 | seg | 08/04/86 | NM |
| CO | c030346 | Coal Basin West(#28) | 05/01/60 | 640 | UN | U.S. Steel Corp. | 100 1 | 05/01/60 | den | 08/04/86 | NM |
| CO | c7853 | Coal Basin West(#28) | 01/01/65 | 717 | UN | U.S. Steel Corp. | 100 1 | 11/01/68 | seg | 08/04/86 | NM |
| CO | c037277 | Coal Canyon | 10/01/62 | 1471 | UP | Mid-Continent Limestone Co. | 100 1 | 10/01/62 | den | 08/04/86 | NM |
| CO | C059420 | Coal Canyon | 10/01/65 | 308 | UN | Mid-Continent Limestone Co. | 100 1 | 01/01/69 | den | 08/04/86 | NM |

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| CO D040389 | Coal Canyon | 05/21/32 | 241 UP | Mid-Continent Limestone Co. | 100 1 | 01/01/69 | ind | 08/04/86 | NM |
| CO C0123476 | Danforth Hills | 12/01/66 | 2252 UN | Utah International, Inc. | 100 1 | 12/01/66 | den | 08/04/86 | NM |
| CO C093713 | Danforth Hills #12 | 06/01/67 | 2518 UN | Consolidation Coal Co. | 100 1 | 09/01/72 | ind | 08/04/86 | NM |
| CO C093716 | Danforth Hills #12 | 06/01/67 | 2061 UN | Consolidation Coal Co. | 100 1 | 09/01/72 | ind | 08/04/86 | NM |
| CO C245 | Danforth Hills #13 | 01/11/66 | 226 UN | Consolidation Coal Co. | 100 1 | 09/01/72 | ind | 08/04/86 | NM |
| CO C1546 | Danforth Hills #14 | 09/01/67 | 1097 UN | Consolidation Coal Co. | 100 1 | 09/01/72 | ind | 08/04/86 | NM |
| CO C093714 | Danforth Hills #15 | 06/01/67 | 571 UN | Consolidation Coal Co. | 100 1 | 09/01/72 | ind | 08/04/86 | NM |
| CO C093715 | Danforth Hills #15 | 06/01/67 | 760 UN | Consolidation Coal Co. | 100 1 | 09/01/72 | ind | 08/04/86 | NM |
| CO C29224 | Danforth Hills NP #1 | 07/01/81 | 876 UN | Consolidation Coal Co. | 100 1 | 07/01/81 | den | 07/01/91 | OO |
| CO C29225 | Danforth Hills NP #2 | 06/01/83 | 2368 UN | Utah International, Inc. | 100 1 | 06/01/83 | den | 06/01/93 | OO |
| CO C29226 | Danforth Hills NP #3 | 04/01/83 | 1895 UN | Consol Land Development | 100 1 | 04/01/83 | den | 04/01/93 | OO |
| CO C0123475 | Danforth Hills PRLA | 05/01/82 | 2082 UN | Utah International, Inc. | 100 1 | 05/01/82 | den | 05/01/92 | OO |
| CO C064416 | Ferne James | 01/01/66 | 40 UN | Martin, J., trustee | 100 1 | 05/27/83 | ind | 05/27/93 | NU |
| CO C0125957 | Grace (#5) | 10/01/65 | 3863 UN | W.R. Grace & Co. | 100 1 | 12/01/79 | ind | 12/01/89 | NM |
| CO C29221 | Grassy Creek | 05/01/82 | 400 UN | American Minority Mining | 100 1 | 05/01/82 | den | 05/01/92 | OO |
| CO D055156 | Green Valley | 10/18/48 | 174 UP | Grand Mesa Properties Co. | 100 1 | 07/01/82 | ind | 07/01/92 | NU |
| CO D037766 | Gunnison (#26) | 11/05/27 | 120 UN | Thompson Creek Coal & Coke Co. | 100 1 | 11/01/54 | ind | 08/04/86 | NU |
| CO D043937 | Harvey Gap | 04/05/32 | 120 UP | Welch, E. & Wiggins, S. | 100 1 | 12/19/73 | ind | 08/04/86 | NU |
| CO C29217 | Hayden Gulch | 07/01/83 | 5298 UN | Hayden Gulch West Coal Co. | 100 1 | 07/01/83 | den | 07/01/93 | OO |
| CO C030472 | Jackson Co. | 07/01/60 | 120 UN | AMCA Coal Leasing, Inc. | 100 1 | 07/01/79 | ind | 07/01/89 | NU |
| CO D052546 | Joe's Mine | 09/27/48 | 160 UP | Sheridan Enterprises, Inc. | 100 1 | 08/01/77 | ind | 08/01/87 | NU |
| CO C23396 | Johnnie's Mine | 01/01/79 | 80 UN | Lombardi, P. | 100 1 | 01/01/79 | den | 01/01/89 | OO |
| CO C067 | Long Canyon | 07/01/52 | 962 UN | North Central Energy Co. | 100 1 | 10/01/84 | ind | 10/01/94 | QM |
| CO P058043 | Martinez | 09/11/41 | 40 UP | Martinez, A. | 100 1 | 09/11/41 | den | 08/04/86 | NU |
| CO C0105299 | North Park | 06/01/68 | 560 UN | Gulf Oil Corp. | 50 2 | 06/01/68 | den | 08/04/86 | NM |
| CO C0105300 | North Park | 06/01/68 | 1680 UN | Gulf Oil Corp. | 50 2 | 06/01/68 | den | 08/04/86 | NM |
| CO C0123177 | North Park | 08/01/66 | 1707 UN | Gulf Oil Corp. | 50 2 | 06/01/68 | den | 08/04/86 | NM |
| CO D036955 | Paonia Farmers | 12/28/23 | 280 UP | Colorado Westmoreland, Inc. | 100 1 | 11/01/82 | ind | 11/01/92 | NU |
| CO C29220 | Pinnacle | 08/01/81 | 274 UN | Colorado Yampa Coal Co. | 100 1 | 08/01/81 | den | 08/01/91 | OO |
| CO D051376 | Roult Co. | 10/08/40 | 250 UN | AMCA Coal Leasing, Inc. | 100 1 | 06/01/78 | ind | 06/01/88 | NM |
| CO C068389 | S. Somerset | 09/01/61 | 560 UN | U.S. Steel Corp. | 100 1 | 09/01/61 | den | 08/04/86 | NM |
| CO C051669 | S. Somerset | 09/01/61 | 1092 UN | Grand Mesa Properties Co. | 100 1 | 07/01/82 | ind | 07/01/92 | NM |
| CO D052558 | S. Somerset | 08/19/44 | 214 UP | U.S. Steel Corp. | 100 1 | 04/01/56 | ind | 08/04/86 | NM |
| CO D051698 | Sun | 09/11/41 | 146 UP | Ruby Construction Co. | 100 1 | 11/01/74 | ind | 08/04/86 | NM |
| CO C0120078 | Tongue Mesa | 01/11/68 | 2000 UN | Gulf Oil Corp. | 100 1 | 11/01/68 | den | 08/04/86 | NM |
| CO C0120079 | Tongue Mesa | 01/11/68 | 2560 UN | Gulf Oil Corp. | 100 1 | 11/01/68 | den | 08/04/86 | NM |
| CO C0120080 | Tongue Mesa | 01/11/68 | 1600 UN | Gulf Oil Corp. | 100 1 | 11/01/68 | den | 08/04/86 | NM |
| CO D038385 | Tongue Mesa | 03/01/29 | 360 UP | Gulf Oil Corp. | 100 1 | 11/01/68 | den | 08/04/86 | NM |
| CO C0120073 | Tongue Mesa | 01/11/68 | 2240 UN | Gulf Oil Corp. | 100 1 | 05/01/66 | ind | 08/04/86 | NM |
| CO C0120077 | Tongue Mesa | 01/11/68 | 1242 UN | Gulf Oil Corp. | 100 1 | 11/01/68 | den | 08/04/86 | NM |
| CO C0120076 | Tongue Mesa | 01/12/68 | 2320 UN | Gulf Oil Corp. | 100 1 | 11/01/68 | den | 08/04/86 | NM |

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| CO | D052501 | | Windjammer | 08/20/45 | 280 UP | Anchor Coal Co. | 100 1 | 12/01/78 | ind | 12/01/88 | NM |
| KY | ES15444 | | Greenwood | 09/01/81 | 409 00 | Greenwood Land Mining Co. | 100 1 | 09/01/81 | den | 09/01/91 | 00 |
| KY | ES12847 | | Leeco | 03/01/75 | 362 00 | LEECO | 100 1 | 03/01/75 | den | 08/04/86 | 00 |
| KY | ES30967 | | River Processing | 12/01/84 | 197 00 | River Processing, Inc. | 100 1 | 12/01/84 | den | 12/01/94 | 00 |
| KY | ES12304 | | Ryan's Creek | 01/01/79 | 319 00 | Ryans Creek Coal Co. | 100 1 | 01/01/79 | den | 01/01/89 | 00 |
| KY | ES21181 | | Ryan's Creek | 05/01/82 | 1921 00 | Ryans Creek Coal Co. | 100 1 | 05/01/82 | den | 05/01/92 | 00 |
| KY | ES3615 | | Smith-Peavley | 01/01/74 | 1282 00 | Smith & Peavley Co. | 100 1 | 01/01/74 | den | 08/04/86 | 00 |
| MT | M15965 | | Big Sky | 04/01/71 | 4307 AA | Peabody Coal Co. | 100 1 | 04/01/71 | den | 08/04/86 | YM |
| MT | B020989 | | Colstrip | 05/05/23 | 1446 AA | Western Energy Co. | 100 1 | 08/01/59 | ind | 08/04/86 | YM |
| MT | M073109 | | Colstrip | 09/01/66 | 5792 AA | Western Energy Co. | 100 1 | 10/01/66 | den | 08/04/86 | YM |
| MT | M35734 | | Colstrip | 08/01/79 | 480 AA | Western Energy Co. | 100 1 | 08/01/79 | den | 08/01/89 | 00 |
| MT | M35735 | | Colstrip | 08/01/79 | 447 AA | Western Energy Co. | 100 1 | 08/01/79 | den | 08/01/89 | 00 |
| MT | M42381 | | Colstrip | 06/01/80 | 62 AA | Western Energy Co. | 100 1 | 06/01/80 | den | 06/01/90 | 00 |
| MT | M54712 | | Colstrip | 08/01/82 | 893 AA | Western Energy Co. | 100 1 | 08/01/82 | den | 08/01/92 | 00 |
| MT | M54711 | | Colstrip | 08/01/82 | 1633 AA | Western Energy Co. | 100 1 | 08/01/82 | den | 08/01/92 | 00 |
| MT | M54713 | | Colstrip | 08/01/82 | 2250 AA | Western Energy Co. | 100 1 | 08/01/82 | den | 08/01/92 | 00 |
| MT | M052647 | | Divide | 07/01/28 | 80 AA | Divide Coal Mining Co. | 100 1 | 11/01/62 | den | 08/04/86 | YM |
| MT | M073093 | | E. Decker | 08/01/66 | 9410 AA | Decker Coal Co. | 100 1 | 09/01/71 | ind | 08/04/86 | YM |
| MT | M023207 | | Savage | 03/01/57 | 960 AA | Knife River Coal Co. | 100 1 | 03/01/57 | den | 08/04/86 | YM |
| MT | M069782 | | Spring Creek | 07/01/65 | 2347 AA | Spring Creek Coal Co. | 100 1 | 01/01/66 | ind | 08/04/86 | YM |
| MT | M06770 | | W. Decker | 01/01/54 | 40 AA | Kukuchka, C. & W. | 100 2 | 11/20/78 | ind | 11/20/88 | YM |
| MT | M057934A | | W. Decker | 01/01/63 | 1841 AA | Decker Coal Co. | 100 1 | 10/01/71 | ind | 08/04/86 | YM |
| MT | M061685 | | W. Decker | 03/01/64 | 2360 AA | Decker Coal Co. | 100 1 | 10/13/71 | ind | 08/04/86 | YM |
| MT | M057934 | | W. Decker | 10/01/63 | 720 AA | Decker Coal Co. | 100 1 | 05/01/75 | ind | 08/04/86 | YM |
| MT | M37604 | | W. Decker | 07/01/81 | 440 AA | Decker Coal Co. | 100 1 | 07/01/81 | den | 07/01/91 | 00 |
| MT | M54716 | | W. Decker | 09/01/82 | 40 AA | Montana Royalty Co. | 100 1 | 09/01/82 | den | 09/01/92 | 00 |
| MT | M46292 | | CX Ranch | 03/01/64 | 674 PN | Consolidation Coal Co. | 50 2 | 05/01/80 | seg | 05/01/90 | NM |
| MT | M061686 | | Wolf Mountain | 03/01/64 | 524 PN | Peter Kiewit Sons, Inc. | 100 1 | 03/01/64 | den | 08/04/86 | NM |
| MT | GF082523 | | Bugni | 08/06/42 | 80 UP | Bugni, A. | 50 2 | 10/01/65 | ind | 08/04/86 | NU |
| MT | M54714 | | Cook Mountain | 06/01/83 | 2096 UN | Thermal Energy Co. | 100 1 | 06/01/83 | den | 06/01/93 | 00 |
| MT | B028531 | | Johnson | 03/03/28 | 80 UP | Johnson, G. & A. | 100 2 | 12/01/60 | ind | 08/04/86 | NU |
| MT | M069945 | | Pearl | 11/01/62 | 541 UN | Shell Oil Corp. | 100 1 | 08/15/75 | ind | 08/04/86 | NU |
| MT | M3831 | | U.S. Steel | 12/01/67 | 2537 UN | U.S. Steel Corp. | 100 1 | 10/01/67 | den | 08/04/86 | NU |
| MT | M3832 | | U.S. Steel | 12/01/67 | 2559 UN | U.S. Steel Corp. | 100 1 | 10/01/67 | den | 08/04/86 | NU |
| MT | M043848 | | Center | 01/01/62 | 2325 AA | Baukol-Noonan, Inc. | 100 1 | 10/01/70 | ind | 08/04/86 | YM |
| ND | M31053 | | Falkirk | 08/01/80 | 160 AA | Falkirk Mining Co. | 100 1 | 08/01/80 | den | 08/01/90 | 00 |
| ND | M071813 | | Freedom | 11/01/67 | 2034 AA | Coteau Properties, Inc. | 100 1 | 11/01/75 | ind | 08/04/86 | QC |
| ND | M042819 | | Freedom | 10/01/61 | 764 AA | Coteau Properties, Inc. | 100 1 | 10/01/61 | den | 08/04/86 | QC |
| ND | M163 | | Freedom | 03/01/67 | 400 AA | Coteau Properties, Inc. | 100 1 | 03/01/67 | den | 08/04/86 | QC |
| ND | BLM019127 | | Gascoyne | 01/01/51 | 2872 AA | Knife River Coal Co. | 100 1 | 01/01/51 | den | 08/04/86 | YM |
| ND | M070203 | | Glenharold | 11/01/65 | 477 AA | Basin Cooperative Services | 100 1 | 03/01/84 | ind | 03/01/94 | YM |

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| ND M11269 | Glenharold | 05/01/71 | 260 AA | Basin Cooperative Services | 100 1 | 03/01/84 | ind | 03/01/94 | YM |
| ND M21209 | Glenharold | 11/01/79 | 1688 AA | Basin Cooperative Services | 100 1 | 03/01/84 | ind | 03/01/94 | OO |
| ND BK020273 | Indian Head | 10/02/22 | 1357 AM | North American Coal Corp. | 100 1 | 07/01/57 | ind | 08/04/86 | YD |
| ND M34980 | Indian Head | 04/01/79 | 441 AA | North American Coal Corp. | 100 1 | 04/01/79 | den | 04/01/89 | OO |
| ND M59727 | Indian Head ? | 06/01/84 | 380 AA | North American Coal Corp. | 100 1 | 06/01/84 | den | 06/01/94 | OO |
| ND M065329 | Nelson Pit | 12/01/64 | 320 AA | Geo Resources Exploration, Inc | 100 1 | 12/01/64 | den | 08/04/86 | QC |
| ND M041765 | South Beulah | 08/01/61 | 1600 AA | Knife River Coal Co. | 100 1 | 08/01/61 | den | 08/04/86 | YM |
| ND M43083 | South Beulah | 08/19/80 | 80 AA | Knife River Coal Co. | 100 1 | 08/19/80 | den | 08/19/90 | OO |
| ND M15896 | Velva | 05/01/71 | 40 AM | Consolidation Coal Co. | 100 1 | 05/01/71 | den | 08/04/86 | YD |
| ND BLM018322 | Bonsness | 01/01/51 | 80 R | Bonsness, L. | 100 1 | 11/17/75 | rel | / | OO |
| ND M061025 | American Colloid | 03/01/64 | 80 UN | American Colloid Co. | 100 1 | 03/01/64 | den | 08/04/86 | NU |
| ND M437 | New Leipzig | 03/01/69 | 640 UN | Knife River Coal Co. | 100 1 | 03/01/69 | den | 08/04/86 | NO |
| ND M438 | New Leipzig | 03/01/69 | 2872 UN | Knife River Coal Co. | 100 1 | 03/01/69 | den | 08/04/86 | NO |
| ND M37829 | Renner's Cove | 03/01/67 | 322 UN | Consolidation Coal Co. | 100 1 | 09/01/77 | seg | 09/01/87 | NO |
| NM NM0186612 | De Na Zin | 08/01/61 | 2188 AA | Paragon Resources Co. | 50 2 | 11/01/80 | ind | 11/01/90 | YL |
| NM NM0186615 | De Na Zin | 08/01/61 | 2027 AA | Paragon Resources Co. | 50 2 | 11/01/80 | ind | 11/01/90 | YL |
| NM NM45183 | De-Na-Zin exch | 09/27/84 | 928 AA | Paragon Resources Co. | 100 1 | 09/27/84 | den | 09/27/94 | OO |
| NM NM0510466 | La Ventana | 07/01/67 | 2002 AN | IBI Coal Co. | 100 1 | 11/01/77 | ind | 11/01/87 | NM |
| NM NM0510467 | La Ventana | 07/01/67 | 2433 AN | IBI Coal Co. | 100 1 | 11/01/77 | ind | 11/01/87 | NM |
| NM NM0510468 | La Ventana | 07/01/67 | 2505 AM | IBI Coal Co. | 100 1 | 11/01/77 | ind | 11/01/87 | NM |
| NM NM0555316 | La Ventana | 02/01/69 | 160 AN | IBI Coal Co. | 100 1 | 11/01/77 | ind | 11/01/87 | NM |
| NM NM0555317 | La Ventana | 12/01/64 | 2206 AN | IBI Coal Co. | 100 1 | 11/01/77 | ind | 11/01/87 | NM |
| NM NM057349 | McKinley | 04/01/61 | 2513 AA | Gulf Oil Corp. | 100 1 | 04/01/61 | den | 08/04/86 | YM |
| NM NM057348 | McKinley | 04/01/61 | 2485 AA | Gulf Oil Corp. | 100 1 | 04/01/61 | den | 08/04/86 | YM |
| NM NM0554844 | McKinley | 11/01/64 | 540 AA | Gulf Oil Corp. | 100 1 | 04/01/61 | den | 08/04/86 | YM |
| NM NM065466 | McKinley | 01/01/64 | 2560 AA | Gulf Oil Corp. | 100 1 | 04/01/61 | den | 08/04/86 | YM |
| NM SF071448 | San Juan | 06/11/40 | 40 AA | Bank of America | 100 1 | 10/01/82 | ind | 10/01/92 | YM |
| NM NM045197 | San Juan | 11/01/61 | 2565 AA | Bank of America | 100 1 | 10/01/82 | ind | 10/01/92 | YM |
| NM NM045217 | San Juan | 11/01/61 | 1800 AA | Bank of America | 100 1 | 10/01/82 | ind | 10/01/92 | YM |
| NM NM045196 | San Juan | 11/01/61 | 2467 AA | Bank of America | 100 1 | 10/01/82 | ind | 10/01/92 | YM |
| NM NM28093 | San Juan | 04/01/80 | 3856 AA | Paragon Resources Co. | 50 1 | 11/01/80 | par | 11/01/90 | OO |
| NM NM0315559 | La Plata | 08/01/63 | 2044 PS | San Juan Coal Co. | 100 1 | 07/01/82 | ind | 07/01/92 | YL |
| NM NM0186613 | Bisti Exchange | 08/01/61 | 1240 RE | Paragon Resources Co. | 50 2 | 11/01/80 | ind | / | OO |
| NM SF048323 | Ametex | 07/19/29 | 120 UN | Ametex Corp. | 100 1 | 02/01/78 | ind | 02/01/88 | NU |
| NM NM732 | Ametex | 02/01/67 | 160 UN | Ametex Corp. | 100 1 | 02/01/78 | ind | 02/01/88 | NU |
| NM NM10931 | Black Lake | 11/01/70 | 1910 UN | Eastern Coal Properties Inc. | 50 2 | 05/01/72 | ind | 08/04/86 | NM |
| NM NM52786 | Carbon | 06/01/83 | 160 UN | Carbon Coal | 100 1 | 06/01/83 | den | 06/01/93 | OO |
| NM SF074673 | Davis | 01/10/41 | 40 UN | Davis, R. | 100 1 | 07/27/53 | ind | 08/04/86 | NU |
| NM SF077115 | Ingraham | 02/27/44 | 160 UN | Ingraham, F. | 100 1 | 08/01/77 | ind | 08/01/87 | NU |
| NM SF075321 | Padilla | 12/11/39 | 120 UN | Padilla, F. | 100 1 | 10/01/55 | ind | 08/04/86 | NM |
| NM SF077779 | Padilla | 05/01/49 | 40 UN | Padilla, F. | 100 1 | 05/01/49 | den | 08/04/86 | NM |

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| NM SF076644 | Simmons | 05/10/44 | 80 UN | Simmons, J. | 100 1 | 02/01/58 | ind | 08/04/86 | NU |
| NM NM2457 | Star Lake | 09/01/67 | 6336 UN | Peabody Coal Co. | 50 2 | 12/01/74 | ind | 08/04/86 | NM |
| NM SF066817 | Texas Ind. | 01/25/35 | 120 UN | Santa Fe Mining Co. | 100 1 | 07/01/82 | ind | 07/01/92 | NM |
| NM SF042800 | Urtado | 04/08/24 | 41 UN | Santa Fe Mining Co. | 100 1 | 07/01/82 | ind | 07/01/92 | NM |
| OK BLMC035068 | Bokoshe | 10/01/53 | 3470 AI | Cf&I Steel Corp. | 100 1 | 03/01/78 | ind | 03/01/88 | YM |
| OK NM24005 | McCurtain No. 2 | 12/01/79 | 140 AM | Great National Corp. | 100 1 | 12/01/79 | den | 12/01/89 | YD |
| OK BLMC018820 | Milton | 03/21/49 | 915 AM | Lone Star Steel Co. | 100 1 | 07/01/56 | ind | 08/04/86 | YD |
| OK NM059992 | Milton | 06/01/59 | 1680 AM | Lone Star Steel Co. | 100 1 | 06/01/59 | den | 08/04/86 | YD |
| OK BLMC021851 | Starlight | 08/01/51 | 1500 AM | Lone Star Steel Co. | 100 1 | 08/01/51 | den | 08/04/86 | YD |
| OK BLMC030953 | Stigler | 09/01/58 | 961 AM | Garland Coal & Mining Co. | 100 1 | 08/10/83 | den | 08/10/93 | YD |
| OK NH3174 | Block 25 | 05/01/68 | 2840 PS | P.I.I. West Ltd. | 100 1 | 02/01/83 | par | 02/01/93 | YL |
| OK BLMC031135 | Gail (Block 17) | 05/01/56 | 1180 PS | K&R Coal Co. | 100 1 | 11/18/81 | ind | 11/19/91 | YL |
| OK NM0557450 | Ozark (Block 15) | 09/01/65 | 880 PS | Howe Coal Co. | 100 1 | 07/01/83 | ind | 07/01/93 | YL |
| OK BLMC028370 | Block 13 | 05/01/56 | 240 R | Garland Coal & Mining Co. | 100 1 | 03/21/80 | rel | / | OO |
| OK BLMC027239 | Block 16 | 08/04/53 | 880 R | Hall, H. | 100 1 | 07/01/83 | rel | / | OO |
| OK BLMC031985 | Block 1 | 12/01/57 | 1844 UP | Farrell Cooper Mining Co. | 100 1 | 05/01/84 | ind | 05/01/94 | OH |
| OK BLMC032614 | Block 1 | 02/01/58 | 1000 UN | Farrell Cooper Mining Co. | 100 1 | 05/01/84 | ind | 05/01/94 | OH |
| OK NH033722 | Block 1 | 02/01/62 | 2552 UN | Farrell Cooper Mining Co. | 100 1 | 05/01/84 | ind | 05/01/94 | OH |
| OK NH033723 | Block 1 | 03/01/62 | 2520 UN | Farrell Cooper Mining Co. | 100 1 | 05/01/84 | ind | 05/01/94 | OH |
| OK NH036953 | Block 1 | 05/01/63 | 1160 UN | Farrell Cooper Mining Co. | 100 1 | 05/01/84 | ind | 05/01/94 | OH |
| OK NH0536361 | Block 10 | 06/01/64 | 561 UN | Freeman-United Mining Co. | 100 1 | 06/01/64 | den | 08/04/86 | NU |
| OK BLMC022999 | Block 12 | 10/01/69 | 1385 UP | Garland Coal & Mining Co. | 100 1 | 02/01/68 | ind | 08/04/86 | NM |
| OK BLM1018074 | Block 15 | 09/01/61 | 326 UP | Howe Coal Co. | 100 1 | 07/01/83 | ind | 07/01/93 | OH |
| OK NH025632 | Block 15 | 09/01/61 | 2266 UP | Howe Coal Co. | 100 1 | 07/01/83 | ind | 07/01/93 | OH |
| OK NH033866 | Block 15 | 03/01/62 | 2048 UP | Howe Coal Co. | 100 1 | 07/01/83 | ind | 07/01/93 | OH |
| OK NH034521 | Block 15 | 03/01/62 | 2544 UN | Howe Coal Co. | 100 1 | 07/01/83 | ind | 07/01/93 | OH |
| OK NH0556624 | Block 15 | 11/01/70 | 4375 UN | Howe Coal Co. | 100 1 | 07/01/83 | ind | 07/01/93 | OH |
| OK NH0161332 | Block 18 | 12/01/61 | 2557 UP | Gaither, K. | 100 1 | 06/01/72 | ind | 08/04/86 | NU |
| OK BLM1017683 | Block 2 | 02/09/68 | 2560 UP | Cameron Coal Co. | 100 1 | 05/01/62 | den | 08/04/86 | NM |
| OK NM029891 | Block 2 | 05/01/62 | 960 UP | Cameron Coal Co. | 100 1 | 11/24/50 | den | 08/04/86 | NM |
| OK NH029892 | Block 2 | 05/01/62 | 944 UP | Cameron Coal Co. | 100 1 | 05/01/62 | den | 08/04/86 | NM |
| OK BLM1018108 | Block 2 | 09/25/69 | 960 UP | The Pacola Co. | 100 1 | 06/28/50 | den | 08/04/86 | NM |
| OK NM050405 | Block 21 | 12/01/59 | 1116 UP | Lone Star Steel Co. | 100 1 | 12/01/59 | den | 08/04/86 | NU |
| OK BLMC018125 | Block 22 | 09/01/50 | 2560 UN | Lone Star Steel Co. | 100 1 | 09/01/50 | den | 08/04/86 | NM |
| OK NH050406 | Block 22 | 12/01/59 | 2400 UN | Lone Star Steel Co. | 100 1 | 12/01/59 | den | 08/04/86 | NM |
| OK NH059996 | Block 23 | 04/01/60 | 719 UN | Lone Star Steel Co. | 100 1 | 06/01/75 | ind | 08/04/86 | NU |
| OK NH957 | Block 26 | 09/01/67 | 3342 UN | P.I.I. West Ltd. | 100 1 | 02/01/83 | par | 02/01/93 | NU |
| OK NM0141015 | Block 3 | 07/01/62 | 360 UN | Cari International Mining Corp | 100 1 | 05/01/76 | ind | 08/04/86 | NM |
| OK BLMC022012 | Block 4 | 08/10/53 | 794 UN | Evans Coal Co. | 100 1 | 08/01/53 | den | 08/04/86 | NM |
| OK BLMC028799 | Block 4 | 05/01/56 | 640 UN | Evans Coal Co. | 100 1 | 05/01/56 | den | 08/04/86 | NM |
| OK BLMC032224 | Block 4 | 03/01/54 | 400 UP | Evans Coal Co. | 100 1 | 03/01/54 | den | 08/04/86 | NM |

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|-------|------------|--------------------|-------------|-------|-------------|-------------------------------|-----------------|---------------|--------------|-------------|---------------|
| OK | BLM1017564 | Block 4 | 09/07/68 | 1347 | UP | Evans Coal Co. | 100 1 | 10/01/50 | ind | 08/04/86 | NM |
| OK | NM023555 | Block 4 & 5 | 02/01/61 | 2360 | UN | Evans Coal Co. | 100 1 | 03/01/76 | ind | 08/04/86 | NM |
| OK | NM023556 | Block 5 | 02/01/61 | 1687 | UN | Evans Coal Co. | 100 1 | 03/01/76 | ind | 08/04/86 | NM |
| OK | BLMC028369 | Block 6 | 07/01/52 | 1000 | UP | Evans Coal Co. | 100 1 | 04/01/78 | ind | 04/01/88 | NU |
| OK | BLM1017612 | Block 7 | 03/08/70 | 1869 | UP | Evans Coal Co. | 100 1 | 03/01/50 | den | 08/04/86 | NM |
| OK | BLMC029794 | Block 8 | 04/01/56 | 2479 | UN | Evans Coal Co. | 100 1 | 03/01/68 | ind | 08/04/86 | NU |
| OK | BLMC030584 | Block 9 | 09/01/56 | 2551 | UN | Evans Coal Co. | 100 1 | 03/01/68 | ind | 08/04/86 | NU |
| OK | BLMC031611 | Block 9 | 10/01/56 | 2530 | UN | Evans Coal Co. | 100 1 | 03/01/68 | ind | 08/04/86 | NU |
| OK | NM50270 | Bokoshe NP | 05/01/82 | 80 | UN | Bokoshe Coal Company | 100 1 | 05/01/82 | den | 05/01/92 | OO |
| OK | NM50936 | Farrell Cooper NP | 02/01/83 | 1170 | UN | Farrell Cooper Mining Co. | 100 1 | 02/01/83 | den | 02/01/93 | OO |
| OK | NM3099 | Gaither NP | 02/01/82 | 5707 | UN | Gaither, Kenneth R. | 100 1 | 02/01/82 | den | 02/01/92 | OO |
| OK | NM50410 | HFCO NP | 09/01/83 | 98 | UN | HFCO, Inc. | 100 1 | 09/01/83 | den | 09/01/93 | OO |
| OK | NM44130 | Lone Star NP | 04/01/82 | 200 | UN | Lone Star Steel Co. | 100 1 | 04/01/82 | den | 04/01/92 | OO |
| OK | BLM1017902 | Rees-Wilton | 09/25/69 | 680 | UP | Mining Systems Corp. | 100 1 | 12/01/76 | ind | 12/01/86 | NU |
| OR | OR012472 | Eden Ridge | 06/01/62 | 2354 | UN | Eden Ridge Coal Co. | 100 1 | 06/01/62 | den | 08/04/86 | NM |
| OR | OR03520 | Eden Ridge | 01/19/59 | 2520 | UN | Eden Ridge Coal Co. | 100 1 | 01/19/59 | den | 08/04/86 | NM |
| OR | OR05272 | Mandrone | 06/01/57 | 538 | UP | CPS Mining Co, Inc. | 100 1 | / | ind | 08/04/86 | NU |
| PA | ES9403 | Helen Mining | 07/01/74 | 30 | AA | Helen Mining Co. | 100 1 | 07/01/74 | den | 08/04/86 | YM |
| PA | ES13845 | Helen Mining | 07/01/74 | 51 | AA | Helen Mining Co. | 100 1 | 07/01/74 | den | 08/04/86 | YM |
| UT | SL063011 | C&W No. 1 | 11/28/41 | 280 | AN | Wasatch Coal Co. | 100 1 | 07/01/76 | ind | 08/04/86 | QM |
| UT | SL027304 | Centennial Project | 09/01/25 | 120 | AA | AMCA Coal Leasing, Inc. | 100 1 | 11/01/76 | par | 11/01/86 | YM |
| UT | SL063058 | Centennial Project | 08/03/42 | 240 | AA | AMCA Coal Leasing, Inc. | 100 1 | 11/01/76 | par | 11/01/86 | YM |
| UT | U010581 | Centennial Project | 02/01/56 | 1682 | AA | AMCA Coal Leasing, Inc. | 100 1 | 11/01/76 | par | 11/01/86 | YM |
| UT | U52341 | Centennial Project | 12/01/83 | 120 | AA | AMCA Coal Leasing, Inc. | 100 1 | 12/01/83 | den | 12/01/93 | OO |
| UT | U1358 | Deer Creek-Wilberg | 08/01/67 | 320 | AA | Utah Power & Light Co. | 100 1 | 09/01/77 | ind | 09/01/87 | YM |
| UT | SL064607 | Deer Creek-Wilberg | 10/04/46 | 614 | AA | Utah Power & Light Co. | 100 1 | 09/01/77 | ind | 09/01/87 | YM |
| UT | SL064900 | Deer Creek-Wilberg | 02/03/45 | 160 | AA | Utah Power & Light Co. | 100 1 | 09/01/77 | ind | 09/01/87 | YM |
| UT | U040151 | Deer Creek-Wilberg | 01/03/62 | 1720 | AA | Corp. of the Presiding Bishop | 100 1 | 03/01/62 | den | 08/04/86 | YM |
| UT | U083066 | Deer Creek-Wilberg | 03/01/61 | 1285 | AA | Corp. of the Presiding Bishop | 100 1 | 03/01/62 | den | 08/04/86 | YM |
| UT | U044025 | Deer Creek-Wilberg | 01/08/60 | 40 | AA | Corp. of the Presiding Bishop | 100 1 | 08/01/60 | den | 08/04/86 | YM |
| UT | U084923 | Deer Creek-Wilberg | 08/01/64 | 2252 | AA | McKinnon Trusts | 100 1 | 08/01/64 | den | 08/04/86 | YM |
| UT | U084924 | Deer Creek-Wilberg | 08/01/64 | 1211 | AA | McKinnon Trusts | 100 1 | 08/01/64 | den | 08/04/86 | YM |
| UT | SL070645 | Deer Creek-Wilberg | 04/01/52 | 2560 | AA | McKinnon Trusts | 100 1 | 08/01/52 | den | 08/04/86 | YM |
| UT | U02664 | Des-Bee-Dove | 01/01/57 | 920 | AA | McKinnon Trusts | 100 1 | 04/01/52 | den | 08/04/86 | YM |
| UT | SL050133 | Des-Bee-Dove | 08/01/33 | 80 | AA | Utah Power & Light Co. | 100 1 | 07/01/72 | ind | 08/04/86 | YM |
| UT | SL066116 | Des-Bee-Dove | 06/01/55 | 400 | AA | Utah Power & Light Co. | 100 1 | 07/01/76 | ind | 09/01/87 | YM |
| UT | U5287 | Emery Deep | 07/01/70 | 720 | AA | Consolidation Coal Co. | 50 2 | 07/01/70 | den | 08/04/86 | QC |
| UT | U073040 | Emery Field (#8) | 06/01/62 | 2542 | AA | Consolidation Coal Co. | 50 2 | 10/01/66 | par | 08/04/86 | QC |
| UT | U073041 | Emery Field (#8) | 06/01/62 | 2558 | AA | Consolidation Coal Co. | 50 2 | 06/01/62 | den | 08/04/86 | QC |
| UT | U0101213 | Emery Field (#8) | 06/01/65 | 2162 | AA | Consolidation Coal Co. | 50 2 | 06/01/65 | den | 08/04/86 | QC |
| UT | U0101214 | Emery Field (#8) | 06/01/65 | 2314 | AA | Consolidation Coal Co. | 50 2 | 06/01/65 | den | 08/04/86 | QC |

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|-------|----------|---------------------|-------------|-------------------|--------------------------------|-----------------|---------------|---------|-------------|---------------|
| UT | U0101215 | Emery Field (#8) | 06/01/65 | 856 AA | Consolidation Coal Co. | 50 2 | 06/01/65 | den | 08/04/86 QC | |
| UT | U0101217 | Emery Field (#8) | 06/01/65 | 640 AA | Consolidation Coal Co. | 50 2 | 06/01/65 | den | 08/04/86 QC | |
| UT | U0101218 | Emery Field (#8) | 06/01/65 | 1880 AA | Consolidation Coal Co. | 50 2 | 06/01/65 | den | 08/04/86 QC | |
| UT | U090231 | Emery Field (#8) | 11/01/62 | 2497 AA | Consolidation Coal Co. | 50 2 | 10/01/66 | par | 08/04/86 QC | |
| UT | U073039 | Emery Field (#8) | 06/01/62 | 2577 AA | Consolidation Coal Co. | 50 2 | 10/01/66 | par | 08/04/86 QC | |
| UT | SL046612 | Geneva | 04/02/29 | 280 AI | U.S. Steel Corp. | 100 1 | 03/28/31 | den | 08/04/86 YM | |
| UT | SL066145 | Geneva | 06/19/46 | 1552 AI | U.S. Steel Corp. | 100 1 | 06/19/46 | den | 08/04/86 YM | |
| UT | U47975 | Gordon Ck/Belina | 12/01/81 | 3628 AA | Kanawha Hocking Coal & Coke | 100 1 | 12/01/81 | den | 12/01/91 OO | |
| UT | U8319 | Gordon Creek #2 | 03/01/70 | 962 AA | Beaver Creek Coal Co. | 100 1 | 05/01/76 | ind | 08/04/86 YM | |
| UT | SL025431 | Hiawatha | 02/08/23 | 2370 AA | United States Fuel Co. | 100 1 | 02/08/23 | den | 08/04/86 YM | |
| UT | SL069985 | Hiawatha | 11/01/49 | 2356 AA | United States Fuel Co. | 100 1 | 11/01/49 | den | 08/04/86 YM | |
| UT | U026583 | Hiawatha | 02/01/61 | 1000 AA | United States Fuel Co. | 100 1 | 02/01/61 | den | 08/04/86 YM | |
| UT | SL064903 | Huntington Canyon | 01/24/46 | 160 AI | Beaver Creek Coal Co. | 100 1 | 06/01/76 | ind | 08/04/86 YM | |
| UT | U33454 | Huntington Canyon | 12/01/78 | 440 AI | Beaver Creek Coal Co. | 100 1 | 12/01/78 | den | 12/01/88 OO | |
| UT | SL050641 | Huntington Canyon | 12/06/38 | 160 AI | Intermountain Exploration Co. | 100 1 | 06/01/73 | ind | 08/04/86 YM | |
| UT | U53159 | Pinnacle ? | 12/01/81 | 656 AA | Beaver Creek Coal Co. | 100 1 | 12/01/81 | den | 12/01/91 OO | |
| UT | U058184 | Price River Complex | 06/17/21 | 694 AI | Blackhawk Coal Co. | 100 1 | 02/01/76 | ind | 08/04/86 YM | |
| UT | SL071737 | Price River Complex | 09/01/50 | 1960 AI | Blackhawk Coal Co. | 100 1 | 06/01/76 | ind | 08/04/86 YM | |
| UT | U25484 | Price River Complex | 06/17/21 | 634 AI | Blackhawk Coal Co. | 100 1 | 02/01/76 | ind | 08/04/86 YM | |
| UT | U019524 | Price River Complex | 06/01/57 | 645 AI | Blackhawk Coal Co. | 100 1 | 02/01/76 | ind | 08/04/86 YM | |
| UT | U0148779 | Price River Complex | 08/01/66 | 1240 AI | Blackhawk Coal Co. | 100 1 | 09/01/74 | ind | 08/04/86 YM | |
| UT | U0146345 | Price River Complex | 11/01/65 | 1160 AI | Blackhawk Coal Co. | 100 1 | 09/01/74 | ind | 08/04/86 YM | |
| UT | SL046652 | Price River Complex | 08/03/21 | 802 AI | Blackhawk Coal Co. | 100 1 | 09/01/74 | ind | 08/04/86 YM | |
| UT | SL048442 | Price River Complex | 11/21/30 | 2563 AI | Blackhawk Coal Co. | 100 1 | 09/01/74 | ind | 08/04/86 YM | |
| UT | SL029093 | Price River Complex | 06/17/21 | 1284 AI | Blackhawk Coal Co. | 100 1 | 06/01/76 | ind | 08/04/86 YM | |
| UT | U25683 | Price River Complex | 12/01/79 | 1173 AI | Blackhawk Coal Co. | 100 1 | 07/01/80 | ind | 07/01/90 OO | |
| UT | U25485 | Price River Complex | 09/01/50 | 543 AI | Blackhawk Coal Co. | 100 1 | 02/01/76 | ind | 08/04/86 YM | |
| UT | SL062583 | SUF00 | 09/11/41 | 2200 AA | Coastal States Energy Co. | 100 1 | 05/25/45 | ind | 08/04/86 YM | |
| UT | U062453 | SUF00 | 03/01/62 | 480 AA | Coastal States Energy Co. | 66 2 | 03/01/79 | par | 03/01/89 YM | |
| UT | U0149084 | SUF00 | 06/01/66 | 240 AA | Coastal States Energy Co. | 100 1 | 06/01/66 | den | 08/04/86 YM | |
| UT | U28297 | SUF00 | 01/01/79 | 2632 AA | Coastal States Energy Co. | 100 1 | 01/01/79 | den | 01/01/89 OO | |
| UT | U07746 | Sage Point | 06/03/57 | 2480 AN | Sunoco Energy Development Co. | 50 2 | 06/01/82 | par | 06/01/92 QM | |
| UT | U089096 | Sage Point | 07/01/62 | 480 AN | Sunoco Energy Development Co. | 100 1 | 06/01/82 | ind | 06/01/92 QM | |
| UT | U092147 | Sage Point | 12/01/62 | 680 AN | Sunoco Energy Development Co. | 100 1 | 06/01/82 | ind | 06/01/92 QM | |
| UT | U0144820 | Sage Point | 09/01/66 | 2212 AN | Sunoco Energy Development Co. | 100 1 | 06/01/82 | ind | 06/01/92 QM | |
| UT | U07064 | Sage Point | 01/01/57 | 2416 AN | Sunoco Energy Development Co. | 100 1 | 06/01/82 | ind | 06/01/92 QM | |
| UT | U073120 | Skyline | 02/01/64 | 557 AA | Kanawha & Hocking Coal & Coke | 100 1 | 09/01/73 | ind | 08/04/86 YM | |
| UT | U0142235 | Skyline | 10/01/64 | 520 AA | Coastal States Energy Co. | 100 1 | 03/01/83 | ind | 03/01/93 YM | |
| UT | U0147570 | Skyline | 05/01/66 | 2093 AA | Coastal States Energy Co. | 100 1 | 03/01/83 | ind | 03/01/93 YM | |
| UT | SL051279 | Soldier Canyon | 01/04/35 | 1548 AA | California Portland Cement Co. | 100 1 | 12/01/62 | ind | 08/04/86 YM | |
| UT | U50722 | Soldier Canyon | 09/01/82 | 400 AA | Soldier Creek Coal Co. | 100 1 | 09/01/82 | den | 09/01/92 OO | |

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| SIA E SERIAL | BLOCK OR MINE NAME | DATE ISSUED | ACRES DEV. STATUS | LESSEE #1 | PCT NO. LESSEES | DATE ACQUIRED | HOW ACQUIRED | SEC. 3 DATE | SEC. 3 STATUS |
|--------------|---------------------------|-------------|-------------------|--------------------------------|-----------------|---------------|--------------|-------------|---------------|
| UT U7949 | Star Point 1&2 | 09/04/70 | 1631 AA | Getty Mining Co. | 100 1 | 09/01/70 | den | 08/04/86 YM | |
| UT SL031286 | Star Point 1&2 | 09/01/70 | 240 AA | Getty Mining Co. | 100 1 | 11/01/71 | ind | 08/04/86 YM | |
| UT U37045 | Star Point 1&2 | 04/01/80 | 698 AA | Getty Mining Co. | 100 1 | 04/01/80 | den | 04/01/90 OO | |
| UT U13097 | Star Point 1&2 | 05/01/74 | 1360 AA | Getty Mining Co. | 100 1 | 05/01/74 | den | 08/04/86 YM | |
| UT SL062966 | Sunnyside1,2&3 | 11/12/43 | 1367 AA | Kaiser Steel Corp. | 100 1 | 01/21/41 | den | 08/04/86 YM | |
| UT U32083 | Sunnyside1,2&3 | 03/01/79 | 476 AA | Kaiser Steel Corp. | 100 1 | 03/01/79 | den | 03/01/89 OO | |
| UT U082996 | Trail Mt. | 07/01/62 | 80 AI | Bell, J. | 100 1 | 04/01/75 | ind | 08/04/86 YM | |
| UT U067498 | Valley Camp (O'Connor) | 01/01/62 | 502 AA | Kanawha & Hocking Coal & Coke | 100 1 | 09/01/73 | ind | 08/04/86 YM | |
| UT U017354 | Valley Camp Complex | 09/01/56 | 1028 AA | Kanawha & Hocking Coal & Coke | 100 1 | 09/01/73 | ind | 08/04/86 YM | |
| UT U044076 | Valley Camp Complex | 09/01/65 | 2368 AA | Coastal States Energy Co. | 100 1 | 03/01/83 | ind | 03/01/93 YM | |
| UT U020305 | Valley Camp Complex | 09/01/56 | 1439 AA | Coastal States Energy Co. | 100 1 | 03/01/83 | ind | 03/01/93 YM | |
| UT U47974 | Valley Camp Complex | 12/01/81 | 1999 AA | Kanawha & Hocking Coal & Coke | 100 1 | 12/01/81 | den | 12/01/91 OO | |
| UT U47978 | Wilberg (Cottonwood NP) | 10/01/81 | 3347 AA | Utah Power & Light | 100 1 | 10/01/81 | den | 10/01/91 OO | |
| UT U47979 | Wilberg (Meetinghouse NP) | 10/01/81 | 1063 AA | Utah Power & Light | 100 1 | 10/01/81 | den | 10/01/91 OO | |
| UT U0105404 | Alton East | 06/01/65 | 1529 PN | Utah International, Inc. | 100 1 | 06/01/66 | ind | 08/04/86 NM | |
| UT U0122579 | Alton East | 05/01/68 | 1120 PN | Utah International, Inc. | 100 1 | 05/01/68 | den | 08/04/86 NM | |
| UT U0122584 | Alton East | 11/01/68 | 320 PN | Utah International, Inc. | 100 1 | 11/01/68 | den | 08/04/86 NM | |
| UT U0122675 | Alton East | 11/01/68 | 80 PN | Utah International, Inc. | 100 1 | 11/01/68 | den | 08/04/86 NM | |
| UT U0126916 | Alton East | 11/01/68 | 320 PN | Utah International, Inc. | 100 1 | 11/01/68 | den | 08/04/86 NM | |
| UT U0140770 | Alton East | 01/01/65 | 519 PN | Utah International, Inc. | 100 1 | 01/01/65 | den | 08/04/86 NM | |
| UT U0147999 | Alton East | 05/01/65 | 320 PN | Utah International, Inc. | 100 1 | 10/18/71 | den | 08/04/86 NM | |
| UT U098774 | Alton East | 06/01/65 | 2488 PN | Utah International, Inc. | 100 1 | 06/01/66 | ind | 08/04/86 NM | |
| UT U098775 | Alton East | 06/01/66 | 1599 PN | Utah International, Inc. | 100 1 | 06/01/71 | ind | 08/04/86 NM | |
| UT SL058575 | Alton West | 10/11/36 | 156 PN | Nevada Electric Investment Co. | 100 1 | 05/01/71 | den | 08/04/86 NM | |
| UT U060745 | Alton West | 11/01/61 | 2493 PN | Nevada Electric Investment Co. | 100 1 | 11/01/61 | den | 08/04/86 NM | |
| UT U060746 | Alton West | 11/01/61 | 2324 PN | Nevada Electric Investment Co. | 100 1 | 11/01/61 | den | 08/04/86 NM | |
| UT U065012 | Alton West | 11/01/61 | 755 PN | Nevada Electric Investment Co. | 100 1 | 11/01/61 | den | 08/04/86 NM | |
| UT U083072 | Alton West | 07/01/62 | 1040 PN | Nevada Electric Investment Co. | 100 1 | 07/01/62 | den | 08/04/86 NM | |
| UT SL068754 | B Canyon | 06/01/51 | 2571 PN | Royal Land Co. | 100 1 | 01/01/83 | ind | 01/01/93 OM | |
| UT U02785 | C Canyon | 07/01/52 | 2360 PN | Kaiser Steel Corp. | 100 1 | 05/01/65 | ind | 08/04/86 NM | |
| UT U039706 | C Canyon | 07/01/60 | 2559 PN | Kaiser Steel Corp. | 100 1 | 05/01/65 | ind | 08/04/86 NM | |
| UT U47977 | Rilda Canyon | 07/01/82 | 640 PN | W.A. Land Company | 100 1 | 10/01/82 | den | 10/01/92 OO | |
| UT SL050862 | Rilda Canyon (#13) | 08/05/37 | 280 PN | W.A. Land Company | 100 1 | 06/01/83 | ind | 06/01/93 NM | |
| UT U7653 | Rilda Canyon (#6) | 09/01/70 | 412 PN | Carroll County Coal Co. | 100 1 | 09/01/70 | den | 08/04/86 NM | |
| UT SL050655 | Emery (#10A) | 11/17/38 | 80 R | Gent's Flying Enterprises | 100 1 | / | rel | / | OO |
| UT U0103108 | Kaiparowits | 03/01/67 | 2560 RP | Peabody Coal Co. | 100 1 | 07/01/67 | ind | 08/04/86 OO | |
| UT U0103131 | Kaiparowits | 04/01/67 | 2560 RP | Peabody Coal Co. | 100 1 | 07/01/67 | ind | 08/04/86 OO | |
| UT U0103132 | Kaiparowits | 04/01/67 | 1272 RP | Peabody Coal Co. | 100 1 | 07/01/67 | ind | 08/04/86 OO | |
| UT U0103133 | Kaiparowits | 04/01/67 | 1273 RP | Peabody Coal Co. | 100 1 | 07/01/67 | ind | 08/04/86 OO | |
| UT U0115656 | Kaiparowits | 11/01/67 | 2560 RP | Peabody Coal Co. | 100 1 | 09/01/67 | den | 08/04/86 OO | |
| UT U0115657 | Kaiparowits | 11/01/67 | 2560 RP | Peabody Coal Co. | 100 1 | 09/01/67 | den | 08/04/86 OO | |

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| STATE | SERIAL | BLOCK OR NAME | DATE ISSUED | ACRES DEV. | LESSEE #1 | PCT NO. | DATE ACQUIRED | HOW ACQ | SEC. 3 DATE | SEC. 3 STATUS |
|-------|----------|---------------------------|-------------|------------|--------------------------------|---------|---------------|---------|-------------|---------------|
| UT | U096476 | Kaiparowits | 03/01/67 | 2552 RP | Peabody Coal Co. | 100 1 | 07/01/67 | ind | 08/04/86 | 00 |
| UT | U096477 | Kaiparowits | 03/01/67 | 1277 RP | Peabody Coal Co. | 100 1 | 07/01/67 | ind | 08/04/86 | 00 |
| UT | U098786 | Kaiparowits | 03/01/67 | 2550 RP | Peabody Coal Co. | 100 1 | 07/01/67 | ind | 08/04/86 | 00 |
| UT | U0101140 | Kaiparowits | 04/01/67 | 1600 RP | Peabody Coal Co. | 100 1 | 07/01/67 | ind | 08/04/86 | 00 |
| UT | U0101141 | Kaiparowits | 04/01/67 | 1760 RP | Peabody Coal Co. | 100 1 | 07/01/67 | ind | 08/04/86 | 00 |
| UT | U0113254 | Kaiparowits | 08/01/67 | 160 RP | Peabody Coal Co. | 100 1 | 08/01/67 | den | 08/04/86 | 00 |
| UT | SL062648 | Tip Top (Crandall Canyon) | 01/31/31 | 80 R | Gent's Flying Enterpr ses | 100 1 | / / | rel | / / | 00 |
| UT | U49332 | ? | 03/01/83 | 642 UN | W.K. Minerals, Inc. | 100 1 | 03/01/83 | den | 03/01/93 | 00 |
| UT | U47080 | ? | 10/01/81 | 1158 UN | Coastal States Energy Co. | 100 1 | 10/01/81 | den | 10/01/91 | 00 |
| UT | U0115938 | Alton East | 06/01/65 | 1721 UN | Utah International, Inc. | 100 1 | 06/01/66 | ind | 08/04/86 | NM |
| UT | U0122582 | Alton East | 11/01/68 | 582 UN | Utah International, Inc. | 100 1 | 11/01/68 | den | 08/04/86 | NM |
| UT | U0122583 | Alton East | 11/01/68 | 320 UN | Utah International, Inc. | 100 1 | 11/01/68 | den | 08/04/86 | NM |
| UT | U0122623 | Alton East | 04/01/66 | 280 UN | Utah International, Inc. | 100 1 | 06/01/66 | ind | 08/04/86 | NM |
| UT | U0122647 | Alton East | 11/01/68 | 600 UN | Utah International, Inc. | 100 1 | 11/01/68 | den | 08/04/86 | NM |
| UT | U0122649 | Alton East | 11/01/68 | 840 UN | Utah International, Inc. | 100 1 | 11/01/68 | den | 08/04/86 | NM |
| UT | U0122650 | Alton East | 11/01/68 | 1600 UN | Utah International, Inc. | 100 1 | 11/01/68 | den | 08/04/86 | NM |
| UT | U0122651 | Alton East | 11/01/68 | 1080 UN | Utah International, Inc. | 100 1 | 11/01/68 | den | 08/04/86 | NM |
| UT | U0124768 | Alton East | 11/01/68 | 80 UN | Utah International, Inc. | 100 1 | 11/01/68 | den | 08/04/86 | NM |
| UT | U0149582 | Alton East | 11/01/68 | 200 UN | Utah International, Inc. | 100 1 | 11/01/68 | den | 08/04/86 | NM |
| UT | SL064507 | Alton West | 09/01/66 | 560 UN | Nevada Electric Investment Co. | 100 1 | 09/01/66 | den | 08/04/86 | NM |
| UT | U0101153 | Alton West | 11/01/44 | 320 UN | Nevada Electric Investment Co. | 100 1 | 04/01/63 | ind | 08/04/86 | NM |
| UT | U098705 | Alton West | 05/01/63 | 1000 UN | Nevada Electric Investment Co. | 100 1 | 05/01/63 | den | 08/04/86 | NM |
| UT | SL063720 | Carbon Emery Bank (#1) | 12/17/42 | 2287 UN | Nevada Electric Investment Co. | 100 1 | 05/01/63 | den | 08/04/86 | NM |
| UT | U024814 | Carbon Emery Bank (#1) | 01/01/58 | 200 UP | Brigham Young University | 100 1 | 03/01/84 | ind | 03/01/94 | NU |
| UT | U086006 | Carbon Emery Bank (#1) | 10/01/53 | 37 UN | Brigham Young University | 100 1 | 03/01/84 | ind | 03/01/94 | NU |
| UT | U020641 | Columbo | 05/01/61 | 40 UN | Brigham Young University | 100 1 | 03/01/84 | ind | 03/01/94 | NU |
| UT | U024316 | Emery (#148) | 05/01/58 | 1909 UN | Beaver Creek Coal Co. | 100 1 | 09/08/78 | ind | 09/08/88 | NM |
| UT | U46484 | Emery (#1482) | 05/01/58 | 1400 UN | COP Coal Development Co. | 100 1 | 09/01/80 | ind | 09/01/90 | NM |
| UT | SL051221 | Emery (#15A) | 08/01/53 | 400 UN | Northwest Carbon Co. | 100 1 | 05/01/58 | den | 08/04/86 | NM |
| UT | U014275 | Emery (#15A) | 10/01/55 | 80 UP | Utah Power & Light Co. | 100 1 | 01/01/80 | ind | 01/01/90 | NM |
| UT | U024317 | Emery (#15A) | 05/01/58 | 80 UP | Utah Power & Light Co. | 100 1 | 01/01/80 | ind | 01/01/90 | NM |
| UT | U024319 | Emery (#15A) | 05/01/60 | 400 UN | Utah Power & Light Co. | 100 1 | 01/01/80 | ind | 01/01/90 | NM |
| UT | U06039 | Emery (#15A) | 05/01/53 | 1040 UN | Utah Power & Light Co. | 100 1 | 01/01/80 | ind | 01/01/90 | NM |
| UT | U024318 | Emery (#15B) | 05/01/53 | 1360 UN | Utah Power & Light Co. | 100 1 | 01/01/80 | ind | 01/01/90 | NM |
| UT | U5146 | Emery PRLA | 05/01/58 | 80 UN | COP Coal Development Co. | 100 1 | 09/01/80 | ind | 09/01/90 | NM |
| UT | U7958 | Esclanate PRLA | 04/01/83 | 2563 UN | Mountain States Resource Corp. | 100 1 | 04/01/83 | den | 09/01/93 | 00 |
| UT | U05067 | Eureka Energy (#2) | 12/01/81 | 3795 UN | Emery Energy, Inc. | 100 1 | 12/01/81 | den | 12/01/91 | 00 |
| UT | SL048223 | Frandsen (#19A) | 05/01/52 | 320 UP | Sunoco Energy Development Co. | 100 1 | 06/01/82 | ind | 06/01/92 | NM |
| UT | SL050638 | Frandsen (#19B) | 04/05/30 | 120 UP | Utah Power & Light Co. | 100 1 | 07/01/82 | ind | 07/01/92 | NU |
| UT | U087805 | Frandsen (#19B) | 05/10/41 | 40 UP | Frandsen, G. | 100 1 | 01/01/47 | ind | 08/04/86 | NU |
| UT | | Kaiparowits No. 1-5 | 11/01/65 | 2064 UN | Malapai Resources Co. | 33 3 | 11/01/65 | den | 08/04/86 | NM |

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|--------------|--------------------|-------------|------------|------------------------------|---------|---------------|--------------|-------------|---------------|
| UT | U087806 | | | Kaiparowits No. 1-5 | | 11/01/65 | | | |
| UT | U087807 | | 1945 UN | Malapai Resources Co. | 33 3 | 11/01/65 den | | 08/04/86 NM | |
| UT | U087808 | | 1920 UN | Malapai Resources Co. | 33 3 | 11/01/65 den | | 08/04/86 NM | |
| UT | U087828 | | 2560 UN | Malapai Resources Co. | 33 3 | 11/01/65 den | | 08/04/86 NM | |
| UT | U087833 | | 2518 UN | Malapai Resources Co. | 33 3 | 11/01/65 den | | 08/04/86 NM | |
| UT | U087834 | | 2560 UN | Malapai Resources Co. | 33 3 | 11/01/65 den | | 08/04/86 NM | |
| UT | U087835 | | 1920 UN | Malapai Resources Co. | 33 3 | 11/01/65 den | | 08/04/86 NM | |
| UT | U087836 | | 640 UN | Malapai Resources Co. | 33 3 | 11/01/65 den | | 08/04/86 NM | |
| UT | U092138 | | 1891 UN | Malapai Resources Co. | 33 3 | 11/01/65 den | | 08/04/86 NM | |
| UT | U092139 | | 1935 UN | Malapai Resources Co. | 33 3 | 11/01/65 den | | 08/04/86 NM | |
| UT | U092140 | | 2022 UN | Malapai Resources Co. | 33 3 | 11/01/65 den | | 08/04/86 NM | |
| UT | U092141 | | 1972 UN | Malapai Resources Co. | 33 3 | 11/01/65 den | | 08/04/86 NM | |
| UT | U092142 | | 1750 UN | Malapai Resources Co. | 33 3 | 11/01/65 den | | 08/04/86 NM | |
| UT | U096486 | | 640 UN | Malapai Resources Co. | 33 3 | 11/01/65 den | | 08/04/86 NM | |
| UT | U096494 | | 2560 UN | Malapai Resources Co. | 33 3 | 11/01/65 den | | 08/04/86 NM | |
| UT | U096495 | | 2560 UN | Malapai Resources Co. | 33 3 | 11/01/65 den | | 08/04/86 NM | |
| UT | U096496 | | 2560 UN | Malapai Resources Co. | 33 3 | 11/01/65 den | | 08/04/86 NM | |
| UT | U096497 | | 2560 UN | Malapai Resources Co. | 33 3 | 11/01/65 den | | 08/04/86 NM | |
| UT | U096508 | | 658 UN | Malapai Resources Co. | 33 3 | 11/01/65 den | | 08/04/86 NM | |
| UT | U096509 | | 1479 UN | Malapai Resources Co. | 33 3 | 11/01/65 den | | 08/04/86 NM | |
| UT | U0101142 | | 1562 UN | Malapai Resources Co. | 33 3 | 11/01/65 den | | 08/04/86 NM | |
| UT | U1362 | | 18325 UN | Utah Power & Light | 100 1 | 02/01/82 den | | 02/01/92 OO | |
| UT | U0103107 | | 2560 UN | Consolidation Coal Co. | 100 1 | 03/01/68 ind | | 08/04/86 NM | |
| UT | U0103109 | | 2557 UN | Consolidation Coal Co. | 100 1 | 03/01/68 ind | | 08/04/86 NM | |
| UT | U0103129 | | 2560 UN | Consolidation Coal Co. | 100 1 | 03/01/68 ind | | 08/04/86 NM | |
| UT | U0103130 | | 2554 UN | Consolidation Coal Co. | 100 1 | 03/01/68 ind | | 08/04/86 NM | |
| UT | U0105418 | | 2560 UN | Consolidation Coal Co. | 100 1 | 03/01/68 ind | | 08/04/86 NM | |
| UT | U0149373 | | 2560 UN | Consolidation Coal Co. | 100 1 | 03/01/68 ind | | 08/04/86 NM | |
| UT | U098783 | | 2541 UN | Consolidation Coal Co. | 100 1 | 03/01/68 ind | | 08/04/86 NM | |
| UT | U098784 | | 2538 UN | Consolidation Coal Co. | 100 1 | 03/01/68 ind | | 08/04/86 NM | |
| UT | U098785 | | 2543 UN | Consolidation Coal Co. | 100 1 | 03/01/68 ind | | 08/04/86 NM | |
| UT | U098787 | | 2560 UN | Consolidation Coal Co. | 100 1 | 03/01/68 ind | | 08/04/86 NM | |
| UT | U083000 | | 1440 UN | Swanton Energy Resources Co. | 100 1 | 08/01/83 ind | | 08/01/93 NU | |
| UT | SL050619 | | 240 UP | King Cannel Coal Co. | 100 1 | 01/04/41 ind | | 08/04/86 NU | |
| UT | U50044 | | 160 UN | Consolidation Coal Co. | 100 1 | 07/01/83 den | | 07/01/93 OO | |
| UT | U022918 | | 120 UN | Kingston, C. & J. | 100 2 | 05/01/59 ind | | 08/04/86 NU | |
| UT | U020668 | | 627 UN | Beaver Creek Coal Co. | 100 1 | 08/01/83 ind | | 08/01/93 NM | |
| UT | U38727 | | 740 UN | Beaver Creek Coal Co. | 100 1 | 08/01/83 ind | | 08/01/93 NM | |
| UT | SL066490 | | 2440 UP | Kaiser Steel Corp. | 100 1 | 12/31/47 den | | 08/04/86 NM | |
| UT | SL069291 | | 600 UN | Kaiser Steel Corp. | 100 1 | 04/01/50 den | | 08/04/86 NM | |
| UT | U0126947 | | 1992 UN | Kaiser Steel Corp. | 100 1 | 12/01/63 den | | 08/04/86 NM | |
| UT | U0126948 | | 2523 UN | Kaiser Steel Corp. | 100 1 | 12/01/63 den | | 08/04/86 NM | |

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| STATE | SER. AL | BLOCK OR MINE NAME | DATE ISSUED | ACRES DEV. | LESSEE #1 | STATUS | PCT NO. | DATE ACQUIRED | HOW ACQUIRED | SEC. 3 DATE | SEC. 3 STATUS |
|-------|-----------|----------------------|-------------|------------|--------------------------------|--------|---------|---------------|--------------|-------------|---------------|
| UT | U014217 | North Tract | 02/01/55 | 456 UN | Kaiser Steel Corp. | | 100 1 | 02/01/55 | den | 08/04/86 NM | |
| UT | U014218 | North Tract | 02/01/55 | 320 UN | Kaiser Steel Corp. | | 100 1 | 02/01/55 | den | 08/04/86 NM | |
| UT | SL049042 | Rasmussen | 08/14/37 | 40 UP | Rasmussen, A. & V. | | 100 2 | 12/02/53 | ind | 08/04/86 NU | |
| UT | U0115791 | Red & Blue | 07/01/67 | 2560 UN | Swanton Energy Resources Co. | | 100 1 | 01/01/84 | ind | 01/01/94 NM | |
| UT | U0115792 | Red & Blue | 10/01/67 | 1280 UN | Swanton Energy Resources Co. | | 100 1 | 01/01/84 | ind | 01/01/94 NM | |
| UT | U0115793 | Red & Blue | 07/01/67 | 1280 UN | Swanton Energy Resources Co. | | 100 1 | 01/01/84 | ind | 01/01/94 NM | |
| UT | U0115833 | Red & Blue | 10/01/67 | 640 UN | Swanton Energy Resources Co. | | 100 1 | 01/01/84 | ind | 01/01/94 NM | |
| UT | U0130986 | Red & Blue | 10/01/67 | 2562 UN | Swanton Energy Resources Co. | | 100 1 | 01/01/84 | ind | 01/01/94 NM | |
| UT | U0130988 | Red & Blue | 07/01/67 | 1907 UN | Swanton Energy Resources Co. | | 100 1 | 01/01/84 | ind | 01/01/94 NM | |
| UT | U0130989 | Red & Blue | 10/01/67 | 2560 UN | Swanton Energy Resources Co. | | 100 1 | 01/01/84 | ind | 01/01/94 NM | |
| UT | U0136512 | Red & Blue | 10/01/67 | 1279 UN | Swanton Energy Resources Co. | | 100 1 | 01/01/84 | ind | 01/01/94 NM | |
| UT | U0140836 | Red & Blue | 10/01/67 | 2557 UN | Swanton Energy Resources Co. | | 100 1 | 01/01/84 | ind | 01/01/94 NM | |
| UT | U0140837 | Red & Blue | 10/01/67 | 2553 UN | Swanton Energy Resources Co. | | 100 1 | 01/01/84 | ind | 01/01/94 NM | |
| UT | U0148535 | Red & Blue | 10/01/67 | 1920 UN | Swanton Energy Resources Co. | | 100 1 | 01/01/84 | ind | 01/01/94 NM | |
| UT | U0130985 | Red & Blue | 11/01/68 | 2560 UN | Swanton Energy Resources Co. | | 100 1 | 01/01/84 | ind | 01/01/94 NM | |
| UT | U24427 | Red & Blue | 03/01/67 | 1280 UN | Swanton Energy Resources Co. | | 100 1 | 01/01/84 | ind | 01/01/94 NM | |
| UT | U27835 | Red & Blue | 11/01/65 | 640 UN | Swanton Energy Resources Co. | | 100 1 | 01/01/84 | ind | 01/01/94 NM | |
| UT | U083005 | Red & Blue | 08/01/64 | 640 UN | Swanton Energy Resources Co. | | 100 1 | 01/01/84 | ind | 01/01/94 NM | |
| UT | U0141171 | Rock Canyon | 03/01/67 | 1825 UN | Energy Reserves Group, Inc. | | 100 1 | 03/01/79 | ind | 03/01/89 NM | |
| UT | U0141176 | Rock Canyon | 03/01/67 | 1544 UN | Energy Reserves Group, Inc. | | 100 1 | 03/01/79 | ind | 03/01/89 NM | |
| UT | U0141178 | Rock Canyon | 03/01/67 | 1976 UN | Energy Reserves Group, Inc. | | 100 1 | 03/01/79 | ind | 03/01/89 NM | |
| UT | U053995 | Sevier (#29) | 03/01/62 | 169 UN | Coastal States Energy Co. | | 66 2 | 02/01/79 | par | 02/01/89 NM | |
| UT | SL071561 | Shakespeare | 03/01/51 | 80 UP | Fulton, C. | | 50 2 | 08/01/74 | ind | 08/04/86 NU | |
| UT | U0141177 | Skunkpah | 03/01/67 | 2504 UN | Energy Reserves Group, Inc. | | 100 1 | 03/01/79 | ind | 03/01/89 NM | |
| UT | U2810 | Smith-Holladay (#16) | 08/01/33 | 80 UN | Smith-Holladay Associates | | 100 1 | 01/01/78 | ind | 01/01/88 NU | |
| UT | U0118366 | South Nipple Butte | 11/01/65 | 1920 UN | Hiko Bell Mining & Oil Co. | | 50 2 | 01/01/79 | ind | 01/01/89 NM | |
| UT | U0120794 | South Nipple Butte | 03/01/66 | 1920 UN | Hiko Bell Mining & Oil Co. | | 50 2 | 01/01/79 | ind | 01/01/89 NM | |
| UT | U0146654 | South Nipple Butte | 12/01/65 | 2560 UN | Hiko Bell Mining & Oil Co. | | 50 2 | 01/01/79 | ind | 01/01/89 NM | |
| UT | U47973 | Truck Canyon | 11/01/82 | 161 UN | Bishopsgate Coal Corp. | | 100 1 | 11/01/82 | den | 11/01/92 OO | |
| UT | SL062605 | Utah No. 2 (#4) | 03/17/39 | 1053 UP | Kanawha & Hocking Coal & Coke | | 100 1 | 09/01/73 | ind | 08/04/86 NU | |
| UT | U5135 | Ute 1&2 | 05/01/77 | 8824 UN | Mountain States Resource Corp. | | 100 1 | 08/31/77 | den | 08/31/87 OO | |
| UT | U0103141 | West | 09/01/67 | 961 UN | West, S. | | 100 1 | 09/01/67 | den | 08/04/86 NU | |
| UT | SL036407 | Wilberg (#12) | 09/10/26 | 80 UP | Wilberg, C. | | 100 1 | 05/29/40 | ind | 08/04/86 NU | |
| VA | ES24616 | Clinchfield | 11/07/82 | 251 AA | Clinchfield Coal | | 100 1 | 11/07/82 | den | 11/07/92 YM | |
| WA | WASH04322 | Centralia | 11/01/61 | 280 AA | Washington Irrigation & Develo | | 50 2 | 11/01/61 | den | 08/04/86 YM | |
| WA | OR6527 | Centralia | 04/01/71 | 241 AA | Washington Irrigation & Develo | | 50 2 | 04/01/71 | den | 08/04/86 YM | |
| WY | W0321780 | Antelope | 12/01/66 | 2908 AS | Antelope Coal Co. | | 100 1 | 12/01/66 | den | 08/04/86 QM | |
| WY | W0322255 | Antelope | 12/01/66 | 1869 AS | Antelope Coal Co. | | 100 1 | 06/01/68 | den | 08/04/86 QM | |
| WY | B031719 | Antelope | 11/22/32 | 40 AS | Resource Development Co. | | 100 1 | 05/01/79 | ind | 05/01/89 QM | |
| WY | W0317682 | Belle Ayr | 09/01/65 | 2360 AA | Meadowlark Farms | | 100 1 | 09/01/65 | den | 08/04/86 YM | |
| WY | W72282 | Belle Ayr | 09/01/80 | 41 AA | Meadowlark Farms | | 100 1 | 09/01/80 | den | 09/01/90 OO | |

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| S' A' E SERIAL | BLOCK OR MINE NAME | DATE ISSUED | ACRES DEV. STATUS | LESSEE #1 | PCT NO. | DATE ACQUIRED | HOW ACQU | SEC. 3 DATE | SEC. 3 STATUS |
|----------------|-------------------------|-------------|-------------------|--------------------------------|---------|---------------|----------|-------------|---------------|
| WY W80954 | Belle Ayr (Cheyenne ex) | 10/01/82 | 1433 AA | Meadowlark Farms, Inc. | 100 1 | 10/01/82 | den | 10/01/92 | 00 |
| WY W78629 | Belle Ayr (S.Ducknest) | 09/01/82 | 1154 AA | Meadowlark Farms, Inc. | 100 1 | 09/01/82 | den | 09/01/92 | 00 |
| WY W69981 | Bighorn? | 04/01/82 | 360 AA | Big Horn Coal Co. | 100 1 | 04/01/82 | den | 04/01/92 | 00 |
| WY W6266 | Black Butte | 04/01/76 | 14902 AA | Black Butte Coal Co. | 100 1 | 04/01/76 | den | 08/04/86 | YM |
| WY W2313 | Black Thunder | 12/01/66 | 5844 AA | Thunder Basin Coal Co. | 100 1 | 07/01/68 | ind | 08/04/86 | YM |
| WY W36094 | Black Thunder | 12/01/66 | 40 AA | Thunder Basin Coal Co. | 100 1 | 07/25/72 | seg | 08/04/86 | YM |
| WY W0325878 | Buckskin | 11/01/67 | 599 AA | Shell Oil Corp. | 100 1 | 05/01/75 | ind | 08/04/86 | YM |
| WY W78634 | Buckskin (Spring Draw) | 09/01/82 | 3687 AA | Shell Oil Corp. | 100 1 | 09/01/82 | den | 09/01/92 | 00 |
| WY W3397 | Caballo | 12/01/67 | 5280 AA | Exxon Coal USA | 100 1 | 12/01/67 | den | 08/04/86 | YL |
| WY W49644 | Caballo | 09/01/65 | 80 AA | Exxon Coal USA | 100 1 | 03/01/75 | seg | 08/04/86 | YL |
| WY W83394 | Caballo J-90 exchange | 12/01/67 | 1640 AA | Exxon Coal Resources USA, Inc. | 100 1 | 01/28/83 | den | 01/28/93 | YL |
| WY W0150169 | Carbon #1 | 01/01/64 | 640 AI | Ark Land Co. | 100 1 | 01/01/71 | ind | 08/04/86 | QC |
| WY W054728 | Carbon #1 | 01/01/61 | 640 AI | Ark Land Co. | 100 1 | 01/01/71 | ind | 08/04/86 | QC |
| WY W3446 | Coal Creek | 11/01/67 | 5806 AA | Thunder Basin Coal Co. | 100 1 | 11/01/67 | den | 08/04/86 | YL |
| WY W8385 | Cordero | 03/01/71 | 6560 AA | Sunoco Energy Development Co. | 100 1 | 03/01/71 | den | 08/04/86 | YM |
| WY C054769 | Dave Johnston | 05/31/33 | 120 AA | Pacific Power & Light Co. | 100 1 | 01/01/66 | ind | 08/04/86 | YM |
| WY W0244167 | Dave Johnston | 06/01/63 | 1803 AA | Pacific Power & Light Co. | 100 1 | 06/01/63 | den | 08/04/86 | YM |
| WY W0312918 | Dave Johnston | 06/01/65 | 3779 AA | Pacific Power & Light Co. | 100 1 | 06/01/65 | den | 08/04/86 | YM |
| WY W038597 | Dave Johnston | 08/01/58 | 1400 AA | Pacific Power & Light Co. | 100 1 | 08/01/58 | den | 08/04/86 | YM |
| WY W038602 | Dave Johnston | 06/01/56 | 2000 AA | Pacific Power & Light Co. | 100 1 | 06/01/56 | den | 08/04/86 | YM |
| WY W041355 | Dave Johnston | 07/02/56 | 560 AA | Pacific Power & Light Co. | 100 1 | 07/02/56 | den | 08/04/86 | YM |
| WY W0311810 | E. Gillette | 01/01/70 | 1263 AN | Kerr-McGee Coal Co. | 100 1 | 01/01/70 | den | 08/04/86 | QC |
| WY W0312311 | E. Gillette | 07/01/65 | 880 AN | Kerr-McGee Coal Co. | 100 1 | 07/01/65 | den | 08/04/86 | QC |
| WY W0313668 | E. Gillette | 10/01/65 | 2200 AN | Kerr-McGee Coal Co. | 100 1 | 10/01/65 | den | 08/04/86 | QC |
| WY W0313773 | Eagle Butte | 09/01/65 | 3520 AN | Meadowlark Farms | 100 1 | 09/01/65 | den | 08/04/86 | YM |
| WY W5035 | Fort Union (S. Rawhide) | 12/01/67 | 1913 AA | Fort Union Mine Partnership | 100 1 | 10/01/83 | ind | 10/01/93 | QM |
| WY W23928 | Jacobs Ranch | 09/01/70 | 4192 AA | Kerr-McGee Coal Co. | 100 1 | 09/01/70 | den | 08/04/86 | YM |
| WY W24710 | Jacobs Ranch | 09/01/70 | 160 AA | Kerr-McGee Coal Co. | 100 1 | 09/01/70 | den | 08/04/86 | YM |
| WY W0313558 | Jim Bridger | 01/01/68 | 4276 AA | Bridger Coal Co. | 100 1 | 01/01/68 | den | 08/04/86 | YM |
| WY W2727 | Jim Bridger | 10/01/68 | 2880 AA | Bridger Coal Co. | 100 1 | 10/01/69 | den | 08/04/86 | YM |
| WY W2728 | Jim Bridger | 10/01/69 | 1280 AA | Bridger Coal Co. | 100 1 | 10/01/69 | den | 08/04/86 | YM |
| WY W78635 | Kee ine | 09/01/82 | 3238 AN | Neil Butte Co. | 100 1 | 09/01/82 | den | 09/01/92 | 00 |
| WY W055246 | Kemmerer | 03/01/58 | 2401 AA | Gulf Oil | 100 1 | 03/01/58 | den | 08/04/86 | YM |
| WY W075207 | Kemmerer | 01/02/59 | 714 AA | Gulf Oil Corp. | 100 1 | 02/01/59 | den | 08/04/86 | YM |
| WY W0294513 | Kemmerer | 07/01/64 | 519 AA | Gulf Oil Corp. | 100 1 | 07/01/64 | den | 08/04/86 | YM |
| WY W056471 | Kemmerer | 04/01/62 | 960 AA | Gulf Oil Corp. | 100 1 | 04/01/62 | den | 08/04/86 | YM |
| WY W060274 | Kemmerer | 02/01/63 | 745 AA | Gulf Oil Corp. | 100 1 | 02/01/63 | den | 08/04/86 | YM |
| WY W78631 | Little Rawhide | 09/01/82 | 530 AA | Meadowlark Farms, Inc. | 100 1 | 09/01/82 | den | 09/01/92 | 00 |
| WY W42554 | Medicine Bow | 02/01/71 | 1280 AA | Medicine Bow Coal Co. | 100 1 | 01/01/74 | seg | 08/04/86 | YM |
| WY W58095 | Medicine Bow | 10/01/80 | 1288 AA | Medicine Bow Coal Co. | 100 1 | 10/01/80 | den | 10/01/90 | 00 |
| WY W72989 | Medicine Bow | 09/01/81 | 4443 AA | Medicine Bow Coal Co. | 100 1 | 09/01/81 | den | 09/01/91 | 00 |

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| S'ATE SERIAL | BLOCK OR MINE NAME | DATE ISSUED | ACRES DEV. STATUS | LESSEE # | PCT NO. LESSEES | DATE ACQUIRED | HOW ACQU | SEC. 3 DATE | SEC. 3 STATUS |
|--------------|----------------------------|-------------|-------------------|--------------------------------|-----------------|---------------|----------|-------------|---------------|
| WY W02031 | N. Antelope | 12/01/66 | 320 AA | North Antelope Coal Co. | 100 1 | 12/01/66 | den | 08/04/86 | YM |
| WY W87364 | N. Antelope (Rochelle seg) | 12/01/66 | 1040 AA | North Antelope Coal Co. | 100 1 | 11/01/83 | seg | 11/01/93 | YM |
| WY W71692 | N. Rochelle | 12/01/66 | 2000 AS | Shell Oil Corp. | 100 1 | 07/01/80 | seg | 07/01/90 | QM |
| WY W0136194 | Phillips Creek 1 | 06/01/61 | 322 AA | Pacific Power & Light Co. | 100 1 | 11/01/81 | ind | 11/01/91 | YM |
| WY W0136195 | Phillips Creek 1 | 06/01/61 | 1477 AA | Pacific Power & Light Co. | 100 1 | 11/01/81 | ind | 11/01/91 | YM |
| WY W0136196 | Phillips Creek 1 | 06/01/61 | 1560 AA | Pacific Power & Light Co. | 100 1 | 11/01/81 | ind | 11/01/91 | YM |
| WY W0324701 | Phillips Creek 1 | 02/01/70 | 680 AA | Pacific Power & Light Co. | 100 1 | 11/01/81 | ind | 11/01/91 | YM |
| WY W5036 | Rawhide | 12/01/67 | 5697 AA | Exxon Coal USA | 100 1 | 12/01/67 | den | 08/04/86 | YM |
| WY W77235 | Rawhide (Peabody seg.) | 12/01/67 | 480 AA | Peabody Coal Co. | 100 1 | 09/01/81 | seg | 09/01/91 | YM |
| WY W83395 | Rawhide I-90 exchange | 12/01/67 | 560 AA | Exxon Resources USA, Inc. | 100 1 | 01/28/83 | den | 01/28/93 | YM |
| WY W0321779 | Rochelle | 12/01/66 | 7822 AS | Peabody Coal Co. | 100 1 | 12/01/66 | den | 08/04/86 | NM |
| WY W37829 | Rochelle | 12/01/66 | 40 AS | Powder River Coal Co. | 100 1 | 12/09/72 | seg | 08/04/86 | NM |
| WY W23929 | Rojo Caballos | 02/01/71 | 3959 AA | Mobil Coal Resources Co. | 100 1 | 02/01/71 | den | 08/04/86 | YL |
| WY C057086 | Rosebud | 04/05/35 | 1273 AA | Rosebud Coal Sales | 100 1 | 03/01/65 | ind | 08/04/86 | YM |
| WY W48330 | Rosebud | 02/01/80 | 130 AA | Rosebud Coal Sales | 100 1 | 02/01/80 | den | 02/01/90 | OO |
| WY W72991 | Rosebud | 09/01/81 | 3010 AA | Ark Land Co. | 100 1 | 09/01/81 | den | 09/01/91 | OO |
| WY W23411 | Rosebud? | 04/01/83 | 5078 AA | Rosebud Coal Sales Co | 100 1 | 04/01/83 | den | 04/01/93 | OO |
| WY W060241 | S. Haystack | 03/01/63 | 1408 AA | Cumberland Coal Co. | 100 1 | 03/01/77 | ind | 03/01/87 | QM |
| WY W022978 | Sand Draw (W.Nuclear) | 08/01/54 | 80 AA | Resource Exploration & Mining | 100 1 | 04/01/80 | ind | 04/01/90 | QM |
| WY W16466 | Seminole #1 | 02/01/71 | 6315 AM | Ark Land Co. | 100 1 | 02/01/71 | den | 08/04/86 | YD |
| WY C033800 | Seminole #2 | 10/08/24 | 398 AA | Ark Land Co. | 100 1 | 09/01/71 | ind | 08/04/86 | YM |
| WY C078051 | Seminole #2 | 05/01/51 | 160 AA | Ark Land Co. | 100 1 | 01/01/74 | ind | 08/04/86 | YM |
| WY W0146199 | Seminole #2 | 01/01/64 | 640 AA | Ark Land Co. | 100 1 | 01/01/71 | ind | 08/04/86 | YM |
| WY W054727 | Seminole #2 | 11/01/61 | 1264 AA | Ark Land Co. | 100 1 | 01/01/71 | ind | 08/04/86 | YM |
| WY W054737 | Seminole #2 | 11/01/61 | 320 AA | Ark Land Co. | 100 1 | 01/01/71 | ind | 08/04/86 | YM |
| WY W31258 | Seminole #2 | 05/01/51 | 160 AA | Ark Land Co. | 100 1 | 10/08/71 | seg | 08/04/86 | YM |
| WY W49338 | Seminole #2 | 08/01/80 | 735 AA | Ark Land Co. | 100 1 | 08/01/80 | den | 08/01/90 | OO |
| WY W061421 | Skull Point | 03/01/63 | 1280 AA | FMC Corp. | 100 1 | 03/01/63 | den | 08/04/86 | QC |
| WY W061422 | Skull Point | 03/01/63 | 1921 AA | FMC Corp. | 100 1 | 05/01/63 | den | 08/04/86 | QC |
| WY W12793 | Stansbury | 06/01/70 | 1645 AI | Winton Coa Co. | 100 1 | 05/01/75 | ind | 11/01/92 | YM |
| WY W16465 | Vanguard #2 | 09/01/69 | 8683 AI | Energy Development Co. | 100 1 | 09/01/69 | den | 08/04/86 | YM |
| WY W011833 | Wyodak | 04/01/61 | 40 AA | Wyodak Resource Development Co | 100 1 | 09/28/83 | den | 09/28/93 | YM |
| WY W0313666 | Wyodak | 10/01/65 | 1360 AA | Wyodak Resource Development Co | 100 1 | 09/28/83 | den | 09/28/93 | YM |
| WY W073289 | Wyodak | 05/01/59 | 240 AA | Wyodak Resource Development Co | 100 1 | 05/01/59 | den | 08/04/86 | YM |
| WY W78630 | Wyodak | 03/01/83 | 320 AA | Wyodak Resources Dev. Corp. | 100 1 | 03/01/83 | den | 03/01/93 | OO |
| WY W85379 | Wyodak I-90 exchange | 04/01/61 | 240 AA | Wyodak Resources Dev. Corp. | 100 1 | 09/28/83 | den | 09/28/93 | YM |
| WY W0271199 | Dry Fork | 12/01/67 | 640 PN | Phillips Petroleum Corp. | 100 1 | 08/01/83 | ind | 08/01/93 | NM |
| WY W0271200 | Dry Fork | 12/01/67 | 760 PN | Phillips Petroleum Corp. | 100 1 | 08/01/83 | ind | 08/01/93 | NM |
| WY W0271201 | Dry Fork | 12/01/67 | 2180 PN | Phillips Petroleum Corp. | 100 1 | 08/01/83 | ind | 08/01/93 | NM |
| WY W0236507 | Arvada | 03/01/65 | 195 R | Gulf Oil Corp. | 100 1 | / / | rel | / / | OO |
| WY W0236621 | Arvada | 06/01/63 | 2551 R | Gulf Oil Corp. | 100 1 | / / | rel | / / | OO |

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|--------------|--------------------|-------------|-------------------|--------------------------------|---------|---------------|--------------|-------------|---------------|
| WY W0240559 | Arvada | 09/01/63 | 1620 R | Gulf Oil Corp. | 100 1 | / / | rel | / / | 00 |
| WY W0220486 | Boar's Tusk | 04/01/67 | 1840 RP | Peabody Coal Co. | 100 1 | 11/01/68 | ind | 08/04/86 | 00 |
| WY W3438 | Boar's Tusk | 03/01/70 | 640 RP | Peabody Coal Co. | 100 1 | 03/01/70 | den | 08/04/86 | 00 |
| WY W0313667 | East Wyodak | 10/01/65 | 2560 RP | Powder River Coal Co. | 100 1 | 12/01/73 | ind | 08/04/86 | 00 |
| WY E019039 | Granite Creek | 03/11/41 | 280 R | Granite Creek Coal & Uranium | 100 1 | / / | rel | / / | 00 |
| WY E015155 | Rainbow #8 | 09/19/27 | 1752 R | Sweetwater Resources, Inc. | 100 1 | / / | rel | / / | 00 |
| WY W58112 | Rojo Caballos | 02/01/71 | 0 RC | Mobil Coal Resources Co. | 100 1 | 02/01/71 | den | 08/04/86 | 00 |
| WY W72990 | ? | 06/01/81 | 1832 UN | Capital Development Co. | 100 1 | 06/01/81 | den | 06/01/91 | 00 |
| WY B025369 | Armstrong | 05/17/30 | 80 UP | Big Horn Coal Co. | 100 1 | 11/01/59 | ind | 08/04/86 | 00 |
| WY W961 | Bass | 12/01/67 | 20701 UN | Bass, R. & Bass Trusts | 100 1 | 12/01/67 | den | 08/04/86 | 00 |
| WY W0322794 | Belco | 01/01/70 | 4551 UN | Belco Petroleum Corp. | 100 1 | 07/01/70 | ind | 08/04/86 | 00 |
| WY B037423 | Blue Diamond | 02/22/44 | 40 UN | Wyodak Resource Development Co | 100 1 | 12/01/56 | ind | 08/04/86 | 00 |
| WY W0312917 | Cherokee | 04/01/67 | 480 UN | Resource Development Co. | 100 1 | 04/01/67 | den | 08/04/86 | 00 |
| WY W092141 | Cherokee | 07/01/62 | 2480 UN | Resource Development Co. | 100 1 | 07/01/62 | den | 08/04/86 | 00 |
| WY W0313559 | Cherokee | 06/01/65 | 640 UN | Resource Development Co. | 100 1 | 06/01/65 | den | 08/04/86 | 00 |
| WY W092140 | Cherokee | 07/01/62 | 671 UN | Resource Development Co. | 100 1 | 07/01/62 | den | 08/04/86 | 00 |
| WY W73096 | China Butte | 03/01/82 | 5974 UN | China Butte Coal Co. | 100 1 | 03/01/82 | den | 03/01/92 | 00 |
| WY E018804 | Cottonwood | 03/28/38 | 160 UN | Conotton Land Co. | 100 1 | 09/01/80 | ind | 09/01/90 | 00 |
| WY W023373 | Deadman | 02/01/58 | 240 UP | Conotton Land Co. | 100 1 | 06/01/77 | ind | 06/01/87 | 00 |
| WY W50061 | Edison | 07/01/82 | 7066 UN | Edison Development Co. | 100 1 | 07/01/82 | den | 07/01/92 | 00 |
| WY W0256663 | Gulf 3 | 03/01/65 | 756 UN | Gulf Oil Corp. | 100 1 | 11/01/75 | ind | 08/04/86 | 00 |
| WY W25406 | Hanna South | 01/01/71 | 640 UN | Ark Land Co. | 100 1 | 04/01/76 | ind | 08/04/86 | 00 |
| WY C069111 | Kowlak | 12/01/45 | 120 UP | Northwestern Resources Co. | 100 1 | 01/01/74 | ind | 08/04/86 | 00 |
| WY W030052 | Lake DeSmet | 11/01/59 | 2203 UN | Texaco, Inc. | 100 1 | 02/01/74 | ind | 08/04/86 | 00 |
| WY W046349 | Lake DeSmet | 10/01/61 | 160 UN | Texaco, Inc. | 100 1 | 02/01/74 | ind | 08/04/86 | 00 |
| WY W051959 | Lake DeSmet | 08/01/57 | 320 UN | Texaco, Inc. | 100 1 | 02/01/74 | ind | 08/04/86 | 00 |
| WY W030009 | Lake DeSmet | 12/01/55 | 1913 UN | Texaco, Inc. | 100 1 | 02/01/74 | ind | 08/04/86 | 00 |
| WY W0321120 | Lake DeSmet | 05/01/66 | 4821 UN | Texaco, Inc. | 100 1 | 02/01/74 | ind | 08/04/86 | 00 |
| WY W0313201 | Long Canyon | 07/01/68 | 14680 UN | Sweetwater Resources, Inc. | 100 1 | 06/01/80 | ind | 08/04/86 | 00 |
| WY W075206 | N. North Block | 01/02/59 | 1247 UN | Gulf Oil Corp. | 100 1 | 02/01/81 | den | 06/01/90 | 00 |
| WY W0310712 | Phillips Creek 2 | 12/01/66 | 40 UN | Pacific Power & Light Co. | 100 1 | 11/01/81 | ind | 11/01/91 | 00 |
| WY W78633 | Rocky Butte | 02/01/83 | 4856 UN | Texas Energy Services, Inc. | 50 2 | 02/01/83 | den | 02/01/93 | 00 |
| WY W0220516 | Wildcat | 03/01/65 | 1571 UN | Gulf Oil Corp. | 100 1 | 11/01/75 | ind | 08/04/86 | 00 |

KEY TO ABBREVIATIONS AND ENTRIES IN
OTA COAL LEASE DATA BASE

| | |
|-----------------------|--|
| FIELD | CONTENTS |
| STATE | State where lease is located |
| SERIAL | Lease serial number in DOI records |
| BLOCK OR MINE NAME | Name of Mine or Lease Block used in OTA reports |
| DATE ISSUED | Date lease was originally issued |
| ACRES | Acres in Lease (current as of 1982) |
| DEV. STATUS | <p>Development Status 1985</p> <p>The-first letter is the development status of the lease or the associated mine or lease block, the second letter is the current production status</p> <p>Ratings:</p> <p>AA = Approved SMCRA permit, mine is actively producing.</p> <p>AI = Approved permit, past production, mine is currently idle.</p> <p>AS = Approved permit, mine scheduled to begin producing under contracts.</p> <p>AN = Approved permit, no scheduled production, no contracts.</p> <p>AM = Approved permit, lease reserves mined out.</p> <p>PS = Pending permit, mine scheduled to produce under contract</p> <p>PN = Pending permit, no scheduled production, no contracts.</p> <p>UN = Undeveloped no active permit review.</p> <p>UP = Undeveloped, past coal production (before SMCRA).</p> <p>R = Undeveloped, relinquishment approved.</p> <p>RP = Undeveloped, relinquishment pending.</p> <p>RE = Relinquished in exchange for another lease.</p> |
| LESSEE #1 | First lessee in DOI lease records |
| PCT | Percent owned by Lessee #1 |
| NO. LESSEES | Number of lease owners |
| DATE ACQUIRED | Date lease acquired by lessee #1 or corporate predecessor |
| HOW ACQUIRED | <p>Method of acquisition by lessee #1 or corporate predecessor</p> <p>DEN = lease issued by DOI to lessee; IND = lease assigned to lessee by unrelated entity; SEG = lease transferred by segregation of an existing lease; PAR = partial interest in lease transferred to lessee by assignment</p> |
| SEC. 3 DATE | Earliest section 3 deadline applicable to lease: generally 10 years after lease acquired by lessee or corporate predecessor in arm's-length |

transaction between unrelated parties (Corporate acquisitions do not restart section 3 clock).

SEC. 3
STATUS

Estimated section 3 Compliance Status as of section 3 date

First letter is general rating, second letter provides reason for rating.

YA = Lease likely to comply with section 3, actively producing >1% reserves.

YS = Lease likely to comply because of scheduled production and contracts.

YD = Lease likely to comply, reserves depleted.

YL = Lease likely to comply by LMU formation with other federal leases.

QM = Uncertain compliance status because of market conditions, existing regional capacity between 100 and 150% of projected demand.

QC = Uncertain compliance status because of LMU formation with nonfederal coal and lack of contracts to sustain LMU production level of 2.5%/yr.

QT = Uncertain compliance status because of lack of transportation to move coal to customers.

NM = Lease unlikely to comply because of market conditions, existing regional capacity exceeds 150% of projected demand.

NU = Lease unlikely to comply because of unfavorable development potential.

OO = Lease not rated (post-FCLAA lease, insufficient information, relinquished lease).