

MAP SERIES 15

# DIRECTORY OF PERMITTED COLORADO COAL MINES, 1981

by

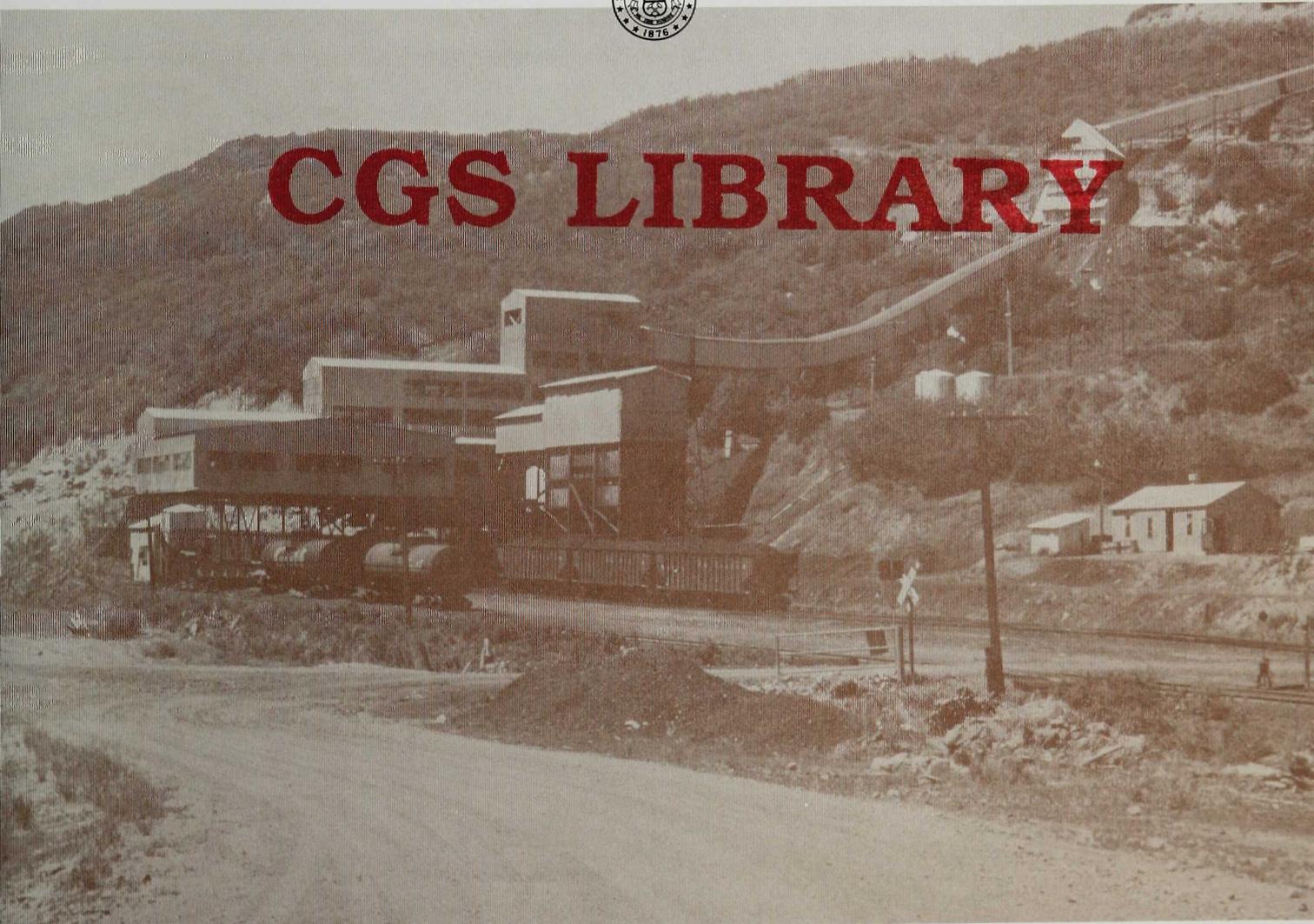
Bruce S. Kelso, L.R. Ladwig, and Linda Sitowitz

Colorado Geological Survey  
Department of Natural Resources  
Denver, Colorado

1981



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Bruce S. Kelso, L. R. Ladwig, and Linda Sitowitz



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Department of Natural Resources  
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The information and data for Map Series 15, compiled by the authors, was obtained from the following public sources: State of Colorado, Department of Natural Resources; Mined Land Reclamation Division and the Division of Mines. Additional information was also obtained by contacting individual mine personnel.

Neither the Colorado Geological Survey nor the authors of this report assume responsibility for the accuracy, completeness, or usefulness of the information herein.

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Mine Name Chimney Rock Coal Strip  
M.L.R.B. Permit No. C-023-81  
Map No. 1

Location Information

County Archuleta  
Location (Sec., T., R.) portions of sec. 29 & 30, T33 1/2N, R4W,

Coal Region San Juan River Field Pagosa Springs  
Topographic Quadrangle (7 1/2') Chimney Rock

Company Information

Mine Operator Chimney Rock Coal  
Address P.O. Box 52A, Star Route, Pagosa Springs, CO 81147  
Contacts Rade Orell Telephone 883-2293  
Parent Company Perma Resources Corp.  
Address 105 East Kiowa Suite 200 Colorado Springs, CO 80903  
Contacts Dave Smaldone Telephone 475-7005

General Information

Mine Type surface Mining Method strip  
Mine Status producing Start-up Date Nov. 1976  
No. of Employees 135 at full production  
No. of Acres in Permit 100 acres  
Surface: Federal \_\_\_\_\_ Private X  
Mineral: Federal \_\_\_\_\_ Private X

Geologic Information

Geologic Unit Fruitland Fm. Geologic Age Upper Cretaceous  
Coal Zone(s) or Bed(s) A, B, & C

Coal Thickness(es) A: 4-5' B: 11' C: 9'

Dip of Bedding 12°NE Strike of Bedding N50°W  
Overburden Thickness(es) over A: 74' others range 32.5'-130'

Interburden Thickness(es) ranges: 6.7'-11.7'



Mine Name Blue Ribbon  
M.L.R.B. Permit No. C-047-81  
Map No. 2

Location Information

County Delta  
Location (Sec., T., R.) sec. 2, T13S, R91W

Coal Region Uinta Field Somerset  
Topographic Quadrangle (7 1/2') Bowie

Company Information

Mine Operator Blue Ribbon Coal Company  
Address P.O. Box 58, Delta, CO 81416  
Contacts Bruce Collins Telephone 929-5911  
Parent Company Western Associated Coal Corp.  
Address 410 17th St., Denver, CO  
Contacts W. S. Tate Telephone 825-1966

General Information

Mine Type underground Mining Method room & pillar  
Mine Status producing Start-up Date 1952  
No. of Employees 36  
No. of Acres in Permit \_\_\_\_\_  
Surface: Federal X Private X  
Mineral: Federal X Private X

Geologic Information

Geologic Unit Upper Mbr. Mesaverde Fm. Geologic Age Cretaceous  
Coal Zone(s) or Bed(s) E  
Coal Thickness(es) Average - 6'  
Dip of Bedding 3°-5°NE Strike of Bedding N77°W  
Overburden Thickness(es) 0-1500'  
Interburden Thickness(es) \_\_\_\_\_



Mine Name Orchard Valley  
M.L.R.B. Permit No. C-038-81  
Map No. 3

Location Information

County Delta  
Location (Sec., T., R.) portions of sec. 7, 12, 13, 18, 19, 24, 25, 29, 30, 31, 32, T13S, R92W  
Coal Region Uinta Field Somerset  
Topographic Quadrangle (7 1/2') Gray Reservoir

Company Information

Mine Operator Colorado Westmoreland Inc.  
Address P.O. Box E Paonia, CO 81428  
Contacts Ronald Stucki Telephone 527-4135  
Parent Company Westmoreland Coal Co.  
Address 9034 E. Easter Place Englewood, CO 80112  
Contacts Daniel J. Snyder III or Telephone 779-0902  
Christopher K. Seglem

General Information

Mine Type underground Mining Method continuous room & pillar  
Mine Status producing Start-up Date 1976  
No. of Employees 234  
No. of Acres in Permit 1185.8 acres  
Surface: Federal X Private X  
Mineral: Federal X Private X

Geologic Information

Geologic Unit Mesaverde Group Geologic Age Cretaceous  
Coal Zone(s) or Bed(s) D  
Coal Thickness(es) 4-27'  
Dip of Bedding 2°-5° NNE Strike of Bedding \_\_\_\_\_  
Overburden Thickness(es) 450-1800'  
Interburden Thickness(es) \_\_\_\_\_



Mine Name Red Canyon Mine #1  
M.L.R.B. Permit No. C-034-81  
Map No. 4

Location Information

County Delta  
Location (Sec., T., R.) portions of sec. 2, 11, & 12; T13S, R95W  
Coal Region Uinta Field Grand Mesa  
Topographic Quadrangle (7 1/2') Cedaredge

Company Information

Mine Operator Grand Mesa Coal Co.  
Address P.O. Box 226, 1st & Columbia, Delta, CO 81416  
Contacts Larry Reschke Telephone 856-6402/874-7561  
Parent Company Tremont Coal Corp. /Eagle Mining Inc.  
Address 410 17th S. #2300 Denver 80202/P.O. Box 83 Naperville, IL 60540  
Contacts \_\_\_\_\_ Telephone \_\_\_\_\_

General Information

Mine Type underground Mining Method room & pillar, continuous  
Mine Status producing Start-up Date 1916  
No. of Employees 33  
No. of Acres in Permit 450+ acres  
Surface: Federal \_\_\_\_\_ Private X  
Mineral: Federal X Private X

Geologic Information

Geologic Unit Williams Fork Fm. Geologic Age Cretaceous  
Coal Zone(s) or Bed(s) E  
Coal Thickness(es) E:4.9-7.5'  
Dip of Bedding about 5 1/2% Strike of Bedding S 85 E  
Overburden Thickness(es) up to 700'  
Interburden Thickness(es) 130' above D seam



Mine Name Red Canyon #2  
M.L.R.B. Permit No. C-034-81  
Map No. 5

Location Information

County Delta  
Location (Sec., T., R.) portions of sec. 2, 11 & 12, T13S, R95W,  
Coal Region Uinta Field Grand Mesa  
Topographic Quadrangle (7 1/2') Cedaredge

Company Information

Mine Operator Grand Mesa Coal Co.  
Address P.O. Box 226, 1st & Columbia, Delta, CO 81416  
Contacts Larry Reschke Telephone 856-6402/874-7561  
Parent Company Tremont Coal Corp. /Eagle Mining, Inc.  
Address 410 17th St. #2300 Denver, CO 80202/P.O. Box 83 Naperville IL 60540  
Contacts \_\_\_\_\_ Telephone \_\_\_\_\_

General Information

Mine Type underground Mining Method room & pillar, continuous  
Mine Status proposed Start-up Date fall 1981  
No. of Employees \_\_\_\_\_  
No. of Acres in Permit 450+  
Surface: Federal \_\_\_\_\_ Private X  
Mineral: Federal X Private X

Geologic Information

Geologic Unit Williams Fork Fm. Geologic Age Cretaceous  
Coal Zone(s) or Bed(s) D bed  
Coal Thickness(es) D : 8-11  
Dip of Bedding about 5 1/2% Strike of Bedding S 85 E  
Overburden Thickness(es) up to 830'  
Interburden Thickness(es) 130' below E seam



Mine Name Tomahawk Strip  
M.L.R.B. Permit No. C-009-81  
Map No. 6

Location Information

County Delta  
Location (Sec., T., R.) portions of: sec. 10, 15 & 16 T13S R95W

Coal Region Uinta Field Grand Mesa  
Topographic Quadrangle (7 1/2') Hell's Kitchen

Company Information

Mine Operator Quinn Coal Co.  
Address P.O. Box 265 Eckert, CO 81418  
Contacts June Crawford Telephone 856-3400  
Parent Company Texasgulf, Inc.  
Address High Ridge Park Stamford, CT 06904  
Contacts \_\_\_\_\_ Telephone (203) 358-5000

General Information

Mine Type surface Mining Method haulback  
Mine Status producing Start-up Date 1947  
No. of Employees 33  
No. of Acres in Permit 316 acres  
Surface: Federal \_\_\_\_\_ Private X  
Mineral: Federal \_\_\_\_\_ Private X

Geologic Information

Geologic Unit Mesaverde Group Geologic Age Upper Cretaceous  
Coal Zone(s) or Bed(s) A, C, D, E, F

Coal Thickness(es) A:2.5', B:4.9', C:8.7', D:7.6', E:7.2', F:13.4'

Dip of Bedding 2.5°-4°NNE Strike of Bedding \_\_\_\_\_  
Overburden Thickness(es) 60'

Interburden Thickness(es) 4-30' (A-F)



Mine Name Bacon Mine  
M.L.R.B. Permit No. C-030-81  
Map No. 7

Location Information

County El Paso  
Location (Sec., T., R.) portions of sec. 29 & 30, T14S, R64W  
Coal Region Denver Field Colorado Springs  
Topographic Quadrangle (7 1/2') Corral Bluffs

Company Information

Mine Operator Nurseries Inc. of Wyoming  
Address 1790 Old Franceville Coal Mine Road, Colorado Springs, CO 80909  
Contacts \_\_\_\_\_ Telephone 683-2588  
Parent Company Captisan Mining Co. Inc.  
Address 1536 Cole Blvd., Suite 180, Golden, CO 80401  
Contacts Rick Chilton Telephone 233-5284

General Information

Mine Type surface Mining Method strip  
Mine Status idle Proposed Start-up Date possibly Fall 1981  
No. of Employees 11  
No. of Acres in Permit 460 acres  
Surface: Federal \_\_\_\_\_ Private X  
Mineral: Federal \_\_\_\_\_ Private X

Geologic Information

Geologic Unit Laramie Fm. Geologic Age Upper Cretaceous  
Coal Zone(s) or Bed(s) A & B  
Coal Thickness(es) A : 9'-10' B : 1'-2'  
Dip of Bedding 3°-5°NE Strike of Bedding N40°W  
Overburden Thickness(es) \_\_\_\_\_  
Interburden Thickness(es) \_\_\_\_\_



Mine Name Dorchester No. 1  
M.L.R.B. Permit No. C-014-81  
Map No. 8

Location Information

County Fremont  
Location (Sec., T., R.) ~~XXXXXXXXXX~~ portions of Sec. 19, 30, T20S, R69W, and Sec. 25, 26, T20S, R70W  
Coal Region Canon City Field Canon City  
Topographic Quadrangle (7 1/2') Rockvale

Company Information

Mine Operator Dorchester Coal Co.  
Address 2795 Skyline Court, Grand Junction, CO 81501  
Contacts Leland Acre, Mgr. Telephone 245-6370  
Parent Company Dorchester Coal Co.  
Address 5735 Pineland Dr., P.O. Box 31049, Dallas, TX 75231  
Contacts \_\_\_\_\_ Telephone (214) 750-3667

General Information

Mine Type underground Mining Method continuous, room & pillar  
Mine Status producing Start-up Date 1979  
No. of Employees 140 by 11/81  
No. of Acres in Permit 979 acres  
Surface: Federal \_\_\_\_\_ Private X  
Mineral: Federal \_\_\_\_\_ Private X

Geologic Information

Geologic Unit Vermejo Fm Geologic Age Cretaceous  
Coal Zone(s) or Bed(s) Manley, Vento, Pine Gulch, Dirty Jack O'Lantern, Red Arrow  
Coal Thickness(es) Manley: 3-5', Vento: 1-5', Pine Gulch: 3-11', Dirty Jack O'Lantern: 1-6', Red Arrow: 3-7'  
Dip of Bedding 6°W Strike of Bedding N to N25E  
Overburden Thickness(es) 0-1300'

Interburden Thickness(es) Manly-Vento: 104', Vento-Pine Gulch: 110', Pine Gulch-Dirty Jack O'Lantern: 27', Dirty Jack O'Lantern-Red Arrow: 29'



Mine Name GEC Strip  
M.L.R.B. Permit No. C-037-81  
Map No. 9

Location Information

County Fremont  
Location (Sec., T., R.) portions of sec. 24 & 25, T20S, R70W  
" " sec. 19 & 30, T20S, R69W  
Coal Region Canon City Field Canon City  
Topographic Quadrangle (7 1/2') Rockvale

Company Information

Mine Operator GEC Minerals, Inc.  
Address P.O. Box 225, Florence, CO 81226  
Contacts L. K. Chen Telephone 784-6891  
Parent Company \_\_\_\_\_  
Address \_\_\_\_\_  
Contacts \_\_\_\_\_ Telephone \_\_\_\_\_

General Information

Mine Type surface Mining Method strip  
Mine Status producing Start-up Date 1977  
No. of Employees 23  
No. of Acres in Permit 720 acres  
Surface: Federal \_\_\_\_\_ Private X  
Mineral: Federal \_\_\_\_\_ Private X

Geologic Information

Geologic Unit Vermejo Geologic Age Upper Cretaceous  
Coal Zone(s) or Bed(s) D, E, G, J, K  
Coal Thickness(es) 2-4' each  
Dip of Bedding 2-5° WSW Strike of Bedding \_\_\_\_\_  
Overburden Thickness(es) 100'  
Interburden Thickness(es) \_\_\_\_\_



Mine Name Newlin Creek  
M.L.R.B. Permit No. C-045-81  
Map No. 10

Location Information

County Fremont  
Location (Sec., T., R.) portions of sec. 30 & 31, T20S, R69W

Coal Region Canon City Field Canon City  
Topographic Quadrangle (7 1/2') Rockvale

Company Information

Mine Operator Harrison Peltron  
Address P.O. Box 48 Florence, CO 81226  
Contacts \_\_\_\_\_ Telephone \_\_\_\_\_  
Parent Company Harrison Peltron  
Address 1208 Quail St., Denver, CO 80215  
Contacts Jim Irwin/Mike Bertoldi Telephone 234-0273

General Information

Mine Type underground Mining Method continuous/room & pillar  
Mine Status producing Start-up Date 1977  
No. of Employees 29  
No. of Acres in Permit \_\_\_\_\_  
Surface: Federal \_\_\_\_\_ Private X  
Mineral: Federal \_\_\_\_\_ Private X

Geologic Information

Geologic Unit Vermejo Geologic Age Upper Cretaceous  
Coal Zone(s) or Bed(s) Shamrock

Coal Thickness(es) 3-7'

Dip of Bedding 4°E Strike of Bedding \_\_\_\_\_  
Overburden Thickness(es) 145'

Interburden Thickness(es) \_\_\_\_\_



Mine Name McClane Canyon Exploration Site  
M.L.R.B. Permit No. C-004-80  
Map No. 11

Location Information

County Garfield  
Location (Sec., T., R.) portions of sec. 15, 16, 21 & 22, T7S, R102W  
Coal Region Uinta Field Book Cliffs  
Topographic Quadrangle (7 1/2') Howard Canyon

Company Information

Mine Operator Sheridan Enterprises, Inc.  
Address P.O. Box 1555 Grand Junction, CO 81501  
Contacts \_\_\_\_\_ Telephone 245-7931  
Parent Company Sheridan Enterprises  
Address 9745 E. Hampden Ave., Suite 350 Denver, CO 80231  
Contacts Wm. Bosworth Telephone 751-0093

General Information

Mine Type underground Mining Method room & pillar  
Mine Status producing Start-up Date 1977  
No. of Employees 13  
No. of Acres in Permit 248 acres  
Surface: Federal  Private \_\_\_\_\_  
Mineral: Federal  Private \_\_\_\_\_

Geologic Information

Geologic Unit Mt. Garfield Fm. Geologic Age Upper Cretaceous  
Coal Zone(s) or Bed(s) Cameo  
Coal Thickness(es) 17-22'  
Dip of Bedding 3% NE Strike of Bedding \_\_\_\_\_  
Overburden Thickness(es) 0-1000'  
Interburden Thickness(es) \_\_\_\_\_



Mine Name Munger Canyon  
M.L.R.B. Permit No. C-020-81  
Map No. 12

Location Information

County Garfield  
Location (Sec., T., R.) portions of sec. 15, 16, 21, 22, T7S, R102W  
Coal Region Uinta Field Book Cliffs  
Topographic Quadrangle (7 1/2') Howard Canyon

Company Information

Mine Operator Sheridan Enterprises, Inc.  
Address P.O. Box 1555 Grand Junction, CO 81501  
Contacts \_\_\_\_\_ Telephone 245-7931  
Parent Company Sheridan Enterprises, Inc.  
Address 9745 E. Hampden Suite 350, Denver, CO 80231  
Contacts Wm. Bosworth Telephone 751-0093

General Information

Mine Type underground Mining Method room & pillar  
Mine Status idle Start-up Date 1977  
No. of Employees \_\_\_\_\_  
No. of Acres in Permit 775 acres  
Surface: Federal X Private X  
Mineral: Federal X Private \_\_\_\_\_

Geologic Information

Geologic Unit Mt. Garfield Fm. Geologic Age Upper Cretaceous  
Coal Zone(s) or Bed(s) Cameo and Upper Carbonera  
Coal Thickness(es) Cameo: 5-26'; Carbonera: 4-7'  
Dip of Bedding 2°NE Strike of Bedding \_\_\_\_\_  
Overburden Thickness(es) 0-1500'  
Interburden Thickness(es) \_\_\_\_\_



Mine Name Sunlight Mine  
M.L.R.B. Permit No. C-046-81  
Map No. 13

Location Information

County Garfield  
Location (Sec., T., R.) portions of: sec. 33 & 34; T7S, R89W

Coal Region Uinta Field Carbondale  
Topographic Quadrangle (7 1/2') Cattle Creek

Company Information

Mine Operator Black Rock Mining Co.  
Address 1670 Broadway, Suite 3350, Denver, CO 80202  
Contacts Pres. Ray Short Telephone 832-8115  
Parent Company \_\_\_\_\_  
Address \_\_\_\_\_  
Contacts \_\_\_\_\_ Telephone \_\_\_\_\_

General Information

Mine Type underground Mining Method room & pillar  
Mine Status developing Start-up Date 1901  
No. of Employees 4  
No. of Acres in Permit 3  
Surface: Federal \_\_\_\_\_ Private X  
Mineral: Federal \_\_\_\_\_ Private X

Geologic Information

Geologic Unit Lower Mesaverde Geologic Age Upper Cretaceous  
Coal Zone(s) or Bed(s) A, B, C, & D

Coal Thickness(es) A : 10', B : 3', C : 4', D : 8'

Dip of Bedding 42-44°W Strike of Bedding \_\_\_\_\_  
Overburden Thickness(es) 370-1500'

Interburden Thickness(es) \_\_\_\_\_



Mine Name Bear Mine  
M.L.R.B. Permit No. C-033-81  
Map No. 14

Location Information

County Gunnison  
Location (Sec., T., R.) portions of: sec. 9, 16, 17, 20, 21; T13S, R90W

Coal Region Uinta Field Somerset  
Topographic Quadrangle (7 1/2') Somerset

Company Information

Mine Operator Bear Coal Co., Inc.  
Address Somerset, CO 81434  
Contacts William A. Bear Telephone 929-5775  
Parent Company \_\_\_\_\_  
Address \_\_\_\_\_  
Contacts \_\_\_\_\_ Telephone \_\_\_\_\_

General Information

Mine Type underground Mining Method room & pillar, continuous  
Mine Status producing Start-up Date 1934  
No. of Employees 68  
No. of Acres in Permit 1360 acres  
Surface: Federal  Private \_\_\_\_\_  
Mineral: Federal  Private \_\_\_\_\_

Geologic Information

Geologic Unit Mesaverde Group Geologic Age Upper Cretaceous  
Coal Zone(s) or Bed(s) C,D,E,F

Coal Thickness(es) C:1-8', D:0-7', E:10-20', F:2-10'

Dip of Bedding 3.5-6.25°NE Strike of Bedding \_\_\_\_\_  
Overburden Thickness(es) few hundred to 1400 ft

Interburden Thickness(es) \_\_\_\_\_



Mine Name Hawk's Nest East  
M.L.R.B. Permit No. C-016-81  
Map No. 15

Location Information

County Gunnison  
Location (Sec., T., R.) portions of sec. 1, 2, 3, 10, 11, 12, T13S R90W  
Coal Region Uinta Field Somerset  
Topographic Quadrangle (7 1/2') Somerset

Company Information

Mine Operator Hawk's Nest Mine  
Address Somerset, CO 81434  
Contacts Tom Muncy/Tony Durando Telephone 929-5815  
Parent Company Western Slope Carbon, Inc. (Northwest Coal Corp.)  
Address 315 E. 200 South P.O. Box 1526 Salt Lake City, UT 84110  
Contacts John Mason Telephone (801)534-3695

General Information

Mine Type underground Mining Method continuous & longwall  
Mine Status producing Start-up Date 1976  
No. of Employees 200  
No. of Acres in Permit \_\_\_\_\_  
Surface: Federal X Private X  
Mineral: Federal X Private X

Geologic Information

Geologic Unit Bowie & Paonia Mbr, Mesaverde Geologic Age Cretaceous  
Coal Zone(s) or Bed(s) A, Lower B, Upper B, C, D, Wild Seam, E  
Coal Thickness(es) A: 3" to several feet, lower B: 6-7', Upper B: 13-14',  
C: 6-7', D: 6-14', Wild Seam: 5.5-10', E: 4'-12+'  
Dip of Bedding 3.5° Strike of Bedding \_\_\_\_\_  
Overburden Thickness(es) to 2200'  
Interburden Thickness(es) \_\_\_\_\_



Mine Name Hawks Nest West  
M.L.R.B. Permit No. C-016-81  
Map No. 16

Location Information

County Gunnison  
Location (Sec., T., R.) portions of Sec. 1, 2, 3, 10, 11, 12, T13S, R90W  
Coal Region Uinta Field Somerset  
Topographic Quadrangle (7 1/2') Somerset

Company Information

Mine Operator Hawk's Nest Mine  
Address Somerset, CO 81434  
Contacts Tom Muncy / Tony Durando Telephone 929-5815  
Parent Company Western Slope Carbon, Inc. (Northwest Coal Co.)  
Address 315 E. 200 South / P.O. Box 1526, Salt Lake City, UT 84110  
Contacts John Mason Telephone (801) 534-3695

General Information

Mine Type underground Mining Method continuous & longwall  
Mine Status producing Start-up Date 1970  
No. of Employees 60  
No. of Acres in Permit \_\_\_\_\_  
Surface: Federal X Private X  
Mineral: Federal X Private X

Geologic Information

Geologic Unit Bowie & Paonia Mbr. - Mesaverde Geologic Age Cretaceous  
Coal Zone(s) or Bed(s) A, Lower B, Upper B, C, D, Wild Seam, E  
Coal Thickness(es) A : 3" - several feet, Lower B : 6-7', Upper B : 13-14',  
C : 6-7', D : 6-14', Wild Seam : 5.5-10', E : 4'7"-12+  
Dip of Bedding 3.5° Strike of Bedding \_\_\_\_\_  
Overburden Thickness(es) to 2200'  
Interburden Thickness(es) \_\_\_\_\_



Mine Name Mt. Gunnison No. 1  
M.L.R.B. Permit No. C-007-80  
Map No. 17

Location Information

County Gunnison  
Location (Sec., T., R.) portions of sec. 8, 9, 15, 16, 17, 18, 19, 20, 21, 27, 28, 29, 30, 31, 32, 33, T13S, R90W; and portions of sec. 3, 4, 5, 8, 9, 10, 15, 16, 21, 22, T14S, R90W  
Coal Region Uinta Field Somerset  
Topographic Quadrangle (7 1/2') Somerset and Minnesota Pass

Company Information

Mine Operator Arco Coal Company  
Address \_\_\_\_\_  
Contacts \_\_\_\_\_ Telephone \_\_\_\_\_  
Parent Company ARCO Coal Co.  
Address 555 17th St. P.O. Box 5300, Denver, CO 80217  
Contacts Mr. Kuchta Telephone 575-7500

General Information

Mine Type underground Mining Method \_\_\_\_\_  
Mine Status in preparation Start-up Date 1982 - Spring  
No. of Employees \_\_\_\_\_  
No. of Acres in Permit 237 acres  
Surface: Federal  Private   
Mineral: Federal  Private

Geologic Information

Geologic Unit Mesaverde Geologic Age Cretaceous  
Coal Zone(s) or Bed(s) F  
Coal Thickness(es) 7'  
Dip of Bedding 3-5° SW - NE Strike of Bedding \_\_\_\_\_  
Overburden Thickness(es) 300-1200'  
Interburden Thickness(es) \_\_\_\_\_



Mine Name Ohio Creek Coal Mine No. 2  
M.L.R.B. Permit No. C-002-80  
Map No. 18

Location Information

County Gunnison  
Location (Sec., T., R.) NE Sec. 16 & NW Sec. 15, T15S, R86W

Coal Region Uinta Field Crested Butte  
Topographic Quadrangle (7 1/2') Squirrel Creek

Company Information

Mine Operator Henry L. and Opal Weaver  
Address 117 S. 8th St., Gunnison, CO 81230  
Contacts Bob Weaver Telephone 641-1560/641-0076  
Parent Company \_\_\_\_\_  
Address \_\_\_\_\_  
Contacts \_\_\_\_\_ Telephone \_\_\_\_\_

General Information

Mine Type underground Mining Method room & pillar  
Mine Status producing Start-up Date 1952  
No. of Employees 15  
No. of Acres in Permit 200 acres  
Surface: Federal \_\_\_\_\_ Private X  
Mineral: Federal X Private \_\_\_\_\_

Geologic Information

Geologic Unit Mesaverde Fm Geologic Age Cretaceous  
Coal Zone(s) or Bed(s) C or No. 2, (Nos. 1 & 3 not mineable)  
Coal Thickness(es) 4-7'  
Dip of Bedding 3° NW Strike of Bedding \_\_\_\_\_  
Overburden Thickness(es) 0-200'  
Interburden Thickness(es) \_\_\_\_\_



Mine Name Somerset  
M.L.R.B. Permit No. C-022-81  
Map No. 19

Location Information

County Delta and Gunnison  
Location (Sec., T., R.) portions of Sec. 34, 35, 36, T12S, R91W;  
portions of Sec. 1, 2, 3, 12, T13S, R91W; portions of Sec. 6, 7, 8,  
T13S, R90W  
Coal Region Uinta Field Somerset  
Topographic Quadrangle (7 1/2') Bowie & Somerset

Company Information

Mine Operator U.S. Steel  
Address P.O. Box 1, Somerset, CO 81434  
Contacts Lloyd Miller Telephone 929-5115  
Parent Company U.S. Steel Mining Company, Inc. Western District  
Address P.O. Box 807, East Carbon, UT 84520  
Contacts Paul Watson Telephone (801)888-4431

General Information

Mine Type underground Mining Method continuous, room & pillar  
Mine Status producing Start-up Date 1903  
No. of Employees \_\_\_\_\_  
No. of Acres in Permit 160 acres  
Surface: Federal  Private   
Mineral: Federal  Private

Geologic Information

Geologic Unit Bowie Member Geologic Age Cretaceous  
Coal Zone(s) or Bed(s) B - 2  
Coal Thickness(es) 14'-21'  
Dip of Bedding 3-6°NE Strike of Bedding NW  
Overburden Thickness(es) 200-2000'  
Interburden Thickness(es) \_\_\_\_\_



Mine Name Colorado Coal Mine No. 1  
M.L.R.B. Permit No. C-024-81  
Map No. 20

Location Information

County Huerfano  
Location (Sec., T., R.) Sec. 25 & 36, T27S, R67W

Coal Region Raton Field Walsenburg  
Topographic Quadrangle (7 1/2') Walsenburg North and Huerfano Butte

Company Information

Mine Operator Colorado Coal Mining Co.  
Address P.O. Box 410, Walsenburg, CO 81089  
Contacts \_\_\_\_\_ Telephone 738-1831  
Parent Company Colorado Coal Mining Co.  
Address 105 E. Kiowa, Suite 200, Colorado Springs, CO 80903  
Contacts Charles S. McNeil Telephone 475-7005

General Information

Mine Type surface Mining Method \_\_\_\_\_  
Mine Status in preparation-planning Start-up Date Fall 1981  
No. of Employees \_\_\_\_\_  
No. of Acres in Permit 951.58  
Surface: Federal \_\_\_\_\_ Private X  
Mineral: Federal \_\_\_\_\_ Private X

Geologic Information

Geologic Unit Vermejo Fm Geologic Age Cretaceous  
Coal Zone(s) or Bed(s) Lower Robinson, Pryor, Walsen, Lenox, Cameron

Coal Thickness(es) 1.5-4.5'

Dip of Bedding 2-5° W - SW Strike of Bedding \_\_\_\_\_  
Overburden Thickness(es) max. 200 feet

Interburden Thickness(es) \_\_\_\_\_

Coal Quality

Sample 1

Sample 2

Sample 3

Sample 4

Bed or Seam

C O N F I D E N T I A L

Heat value (BTU/lb)

Sulfur(%)

Moisture(%)

Ash(%)

F.S.I.

H.G.I.

Rank of Coal

Use of Coal

Methane Emissions

Coal Production

1981 Production Thru 6/81 none

1980 Annual Production none

1985 Projected Production

Cumulative Production Thru 6/81 none

Reserves/Est. Life 32 m in place, 1.2 m recoverable

Sales: Out of State(%) 100%

Where

To Whom

In State(%)

Where

To Whom

Transportation Type rail

Coal Available for Domestic Use no

Additional Information and Comments

Mine Name Viking Strip (Pryor Strip)  
M.L.R.B. Permit No. C-031-81  
Map No. 21

Location Information

County Huerfano  
Location (Sec., T., R.) portions of Sec. 18, 19, T29S, R65W, and  
Sec. 13, 24, T29S, R66W  
Coal Region Raton Field Walsenburg  
Topographic Quadrangle (7 1/2') Pryor

Company Information

Mine Operator Viking Coal Co. (Ravenwood)  
Address 6954 Webster, Arvada, CO 80003  
Contacts Ken Churches Telephone 422-4000  
Parent Company Same  
Address \_\_\_\_\_  
Contacts \_\_\_\_\_ Telephone \_\_\_\_\_

General Information

Mine Type surface Mining Method strip  
Mine Status producing Start-up Date 1978  
No. of Employees 7  
No. of Acres in Permit 234 acres  
Surface: Federal \_\_\_\_\_ Private X  
Mineral: Federal \_\_\_\_\_ Private X

Geologic Information

Geologic Unit Vermejo Geologic Age Cretaceous  
Coal Zone(s) or Bed(s) Robinson, Walsen, Lenox, Cameron  
Coal Thickness(es) Robinson: 4-6'; Walsen: 3'; Lenox: 4-5'; Cameron: 4-5'  
Dip of Bedding 3% Strike of Bedding --  
Overburden Thickness(es) 0-50'  
Interburden Thickness(es) R-W: 60', W-L: 30', L-C: 40'



Mine Name Bourg Mine  
M.L.R.B. Permit No. C-021-81  
Map No. 22

Location Information

County Jackson  
Location (Sec., T., R.) S 1/2, SE 1/4, Sec. 7; N 1/2, NE 1/4, Sec. 18;  
T9N, R78W  
Coal Region North Park Field North Park  
Topographic Quadrangle (7 1/2') Walden

Company Information

Mine Operator Walden Coal Co.  
Address P.O. Box 37, Walden, CO 80434  
Contacts \_\_\_\_\_ Telephone \_\_\_\_\_  
Parent Company Flatiron Companies  
Address P.O. Box 229, Boulder, CO 80302  
Contacts Scott Patten Telephone 444-2151

General Information

Mine Type surface Mining Method open pit/strip  
Mine Status producing Start-up Date 1980  
No. of Employees 7  
No. of Acres in Permit 160 acres  
Surface: Federal \_\_\_\_\_ Private X  
Mineral: Federal \_\_\_\_\_ Private X

Geologic Information

Geologic Unit Coalmont Fm Geologic Age Paleocene  
Coal Zone(s) or Bed(s) Lower and Upper  
Coal Thickness(es) Lower: 25.5' / Upper: 16.5'  
Dip of Bedding 8°+ Strike of Bedding \_\_\_\_\_  
Overburden Thickness(es) 0-140'  
Interburden Thickness(es) 80'



Mine Name Canadian Strip  
M.L.R.B. Permit No. C-026-81  
Map No. 23

Location Information

County Jackson  
Location (Sec., T., R.) portions of Sec. 2, 10, 11; T8N, R78W

Coal Region North Park Field North Park  
Topographic Quadrangle (7 1/2') Gould NW and Johnny Moore Mtn.

Company Information

Mine Operator Wyoming Fuel Company  
Address P.O. Box 782, Walden, CO 80480  
Contacts \_\_\_\_\_ Telephone \_\_\_\_\_  
Parent Company Wyoming Fuel Company  
Address 12055 W. 2nd Place, P.O. Box 15265, Lakewood, CO 80215  
Contacts Mike Kolin Telephone 989-1740

General Information

Mine Type surface Mining Method Open Pit Haulback  
Mine Status producing Start-up Date 1975  
No. of Employees 10  
No. of Acres in Permit 160 acres  
Surface: Federal X Private X  
Mineral: Federal X Private X

Geologic Information

Geologic Unit Coalmont Fm Geologic Age Paleocene  
Coal Zone(s) or Bed(s) Sudduth  
Coal Thickness(es) 8-30'  
Dip of Bedding 24°-35°SE to SW Strike of Bedding \_\_\_\_\_  
Overburden Thickness(es) 0-460'  
Interburden Thickness(es) \_\_\_\_\_



Mine Name Marr Strip  
M.L.R.B. Permit No. C-006-80  
Map No. 24

Location Information

County Jackson  
Location (Sec., T., R.) Sec. 15, 22, 23, 25, 26, 35 T9N R78W; Sec 2 T8N R78W  
Coal Region North Park Field North Park  
Topographic Quadrangle (7 1/2') Johnny Moore Mtn.

Company Information

Mine Operator Kerr Coal Co.  
Address Box 773457, Steamboat Springs, CO 80477  
Contacts David Gossett Telephone 879-7310  
Parent Company Kerr Coal Co.  
Address Suite 900 Three Park Central, 1515 Arapahoe, Denver, CO 80202  
Contacts Brad Doores Telephone 623-8317

General Information

Mine Type surface Mining Method bulldozers & scrapers  
Mine Status producing Start-up Date 1974  
No. of Employees 23  
No. of Acres in Permit \_\_\_\_\_  
Surface: Federal \_\_\_\_\_ Private \_\_\_\_\_  
Mineral: Federal \_\_\_\_\_ Private X

Geologic Information

Geologic Unit Coalmont Fm Geologic Age Early to Mid Tertiary  
Coal Zone(s) or Bed(s) Sudduth  
Coal Thickness(es) 36-75' (Avg. 50')  
Dip of Bedding 6° Strike of Bedding \_\_\_\_\_  
Overburden Thickness(es) 230'  
Interburden Thickness(es) \_\_\_\_\_



Mine Name Coal Gulch  
M.L.R.B. Permit No. C-042-81  
Map No. 25

Location Information

County La Plata  
Location (Sec., T., R.) Sec. 15, 16, 20, 22, T35N, R10W

Coal Region San Juan River Field Durango  
Topographic Quadrangle (7 1/2') Durango West

Company Information

Mine Operator Arness-McGriffin Coal Co.  
Address 1139 Main Ave., Durango, CO 81301  
Contacts Ken McGriffin, Consultant Telephone 259-1501  
Parent Company same as above  
Address \_\_\_\_\_  
Contacts \_\_\_\_\_ Telephone \_\_\_\_\_

General Information

Mine Type underground Mining Method room & pillar  
Mine Status Idle Start-up Date 1977  
No. of Employees \_\_\_\_\_  
No. of Acres in Permit 41 acres  
Surface: Federal \_\_\_\_\_ Private X  
Mineral: Federal \_\_\_\_\_ Private X

Geologic Information

Geologic Unit Menefee Fm Geologic Age Cretaceous  
Coal Zone(s) or Bed(s) A-1, A-2, B-4  
Coal Thickness(es) A-1: 8', A-2: 3', B-4: 6'  
Dip of Bedding 4-5°S Strike of Bedding WSW  
Overburden Thickness(es) 200-600'  
Interburden Thickness(es) \_\_\_\_\_



Mine Name National King Mine  
M.L.R.B. Permit No. C-035-81  
Map No. 26

Location Information

County La Plata  
Location (Sec., T., R.) portions of: sec. 29, 31, 32; T35N, R11W

Coal Region San Juan River Field Durango  
Topographic Quadrangle (7 1/2') Kline

Company Information

Mine Operator National King Coal, Inc.  
Address 4424 County Road 120, Hesperus, CO  
Contacts Mr. Hansen Telephone 259-2416/385-4528  
Parent Company none  
Address \_\_\_\_\_  
Contacts \_\_\_\_\_ Telephone \_\_\_\_\_

General Information

Mine Type underground Mining Method room & pillar, continuous  
Mine Status producing Start-up Date 1936  
No. of Employees 53  
No. of Acres in Permit 9.28 acres  
Surface: Federal \_\_\_\_\_ Private X  
Mineral: Federal X Private \_\_\_\_\_

Geologic Information

Geologic Unit Upper Menefee Geologic Age Cretaceous  
Coal Zone(s) or Bed(s) Upper  
Coal Thickness(es) 5.5-6'  
Dip of Bedding 3° S - SW Strike of Bedding \_\_\_\_\_  
Overburden Thickness(es) Max - 300'  
Interburden Thickness(es) \_\_\_\_\_



Mine Name Peacock Coal Mine  
M.L.R.B. Permit No. C-040-81  
Map No. 27

Location Information

County La Plata  
Location (Sec., T., R.) portions of sec. 29 T35N, R11W

Coal Region San Juan River Field Durango  
Topographic Quadrangle (7 1/2') Hesperus

Company Information

Mine Operator Sun Belt Mining Inc.  
Address 3701 County 120, Hesperus, CO 81326  
Contacts S. D. Stephens Telephone 385-4377  
Parent Company Sun Belt Mining, Inc.  
Address 7100 Grapevine Hwy, Suite 208, Fort Worth, TX 76118  
Contacts \_\_\_\_\_ Telephone (817) 589-7026

General Information

Mine Type underground Mining Method room & pillar  
Mine Status Idle Start-up Date 1922  
No. of Employees 13  
No. of Acres in Permit 111 acres  
Surface: Federal \_\_\_\_\_ Private X  
Mineral: Federal \_\_\_\_\_ Private X

Geologic Information

Geologic Unit Menefee Fm Geologic Age Cretaceous  
Coal Zone(s) or Bed(s) Peerless

Coal Thickness(es) \_\_\_\_\_

Dip of Bedding 3% Strike of Bedding \_\_\_\_\_

Overburden Thickness(es) \_\_\_\_\_

Interburden Thickness(es) \_\_\_\_\_



Mine Name Shalako Mine  
M.L.R.B. Permit No. C-050-81  
Map No. 28

Location Information

County La Plata  
Location (Sec., T., R.) portions of sec. 27,28,29, T35N, R11W  
Coal Region San Juan River Field Durango  
Topographic Quadrangle (7 1/2') Hesperus

Company Information

Mine Operator Sackett Mining Co., Inc.  
Address 1536 Cole Blvd., Golden, CO 80401  
Contacts \_\_\_\_\_ Telephone \_\_\_\_\_  
Parent Company Sackett Mining Co., Inc.  
Address 1536 Cole Blvd., Golden, CO 80401  
Contacts Rick Chilton Telephone 233-5284

General Information

Mine Type underground Mining Method continuous, room & pillar  
Mine Status in preparation Start-up Date early 1982  
No. of Employees \_\_\_\_\_  
No. of Acres in Permit 280 acres  
Surface: Federal \_\_\_\_\_ Private X  
Mineral: Federal \_\_\_\_\_ Private X

Geologic Information

Geologic Unit Menefee Fm Geologic Age Upper Cretaceous  
Coal Zone(s) or Bed(s) A  
Coal Thickness(es) 6'  
Dip of Bedding 2-7°S Strike of Bedding \_\_\_\_\_  
Overburden Thickness(es) Max. 700'  
Interburden Thickness(es) \_\_\_\_\_



Mine Name Allen Mine  
M.L.R.B. Permit No. C-012-81  
Map No. 29

Location Information

County Las Animas  
Location (Sec., T., R.) Section 22 & 23, T33S, R68W

Coal Region Raton Mesa Field Trinidad  
Topographic Quadrangle (7 1/2') Vigil

Company Information

Mine Operator CF&I Steel Corp.  
Address Weston Co. 81091  
Contacts T.J. Augustine, Gen. Supt. Telephone 868-2761  
Parent Company CF&I Steel Corp.  
Address P.O. Box 316, Pueblo, CO 81002  
Contacts J.G. Wark Mgr. Mines Telephone 561-6622

General Information

Mine Type underground Mining Method Continuous room & pillar and longwall  
Mine Status producing Start-up Date 1952  
No. of Employees 500 +  
No. of Acres in Permit 155 acres  
Surface: Federal \_\_\_\_\_ Private X  
Mineral: Federal \_\_\_\_\_ Private X

Geologic Information

Geologic Unit Raton Fm (Middle) Geologic Age Upper Cretaceous-Tertiary  
Coal Zone(s) or Bed(s) Allen

Coal Thickness(es) 4'-7'

Dip of Bedding 1% NE Strike of Bedding N-N35°W  
Overburden Thickness(es) 400' to 1200'

Interburden Thickness(es) \_\_\_\_\_



Mine Name Helen Mine  
M.L.R.B. Permit No. C-043-81  
Map No. 30

Location Information

County Las Animas  
Location (Sec., T., R.) portions of sec. 31, 32 & 36, T33S, R64W

Coal Region Raton Mesa Field Trinidad  
Topographic Quadrangle (7 1/2') Starkville

Company Information

Mine Operator Animas Coal Company, Inc.  
Address P.O. Box 247, Trinidad, CO 81082  
Contacts Steven Marusich Telephone 846-9251  
Parent Company Western Assoc. Energy Corp.  
Address P.O. Box 17485, San Antonio, TX 78217  
Contacts \_\_\_\_\_ Telephone \_\_\_\_\_

General Information

Mine Type underground Mining Method room & pillar  
Mine Status producing Start-up Date 1979  
No. of Employees 3  
No. of Acres in Permit 69.8 acres  
Surface: Federal \_\_\_\_\_ Private X  
Mineral: Federal \_\_\_\_\_ Private X

Geologic Information

Geologic Unit Vermejo & Raton Fm Geologic Age Upper Cretaceous & Paleocene  
Coal Zone(s) or Bed(s) Upper Starkville  
Coal Thickness(es) 4-8'  
Dip of Bedding 3-4°W Strike of Bedding \_\_\_\_\_  
Overburden Thickness(es) \_\_\_\_\_  
Interburden Thickness(es) \_\_\_\_\_



Mine Name Maxwell  
M.L.R.B. Permit No. C-013-81  
Map No. 31

Location Information

County Las Animas  
Location (Sec., T., R.) sec. 29, T33S, R67W

Coal Region Raton Mesa Field Trinidad  
Topographic Quadrangle (7 1/2') Vigil

Company Information

Mine Operator CF&I Steel Corp.  
Address Weston, CO 81091  
Contacts T.J. Augustine, Gen. Supt. Telephone 868-2761  
Parent Company CF & I Steel Corp.  
Address P.O. Box 316 Pueblo, CO 81002  
Contacts J.G. Wark Mgr. Mines Telephone 561-6622

General Information

Mine Type underground Mining Method continous, room pillar  
Mine Status producing Start-up Date 1976  
No. of Employees 160 +  
No. of Acres in Permit 141.5  
Surface: Federal \_\_\_\_\_ Private X  
Mineral: Federal \_\_\_\_\_ Private X

Geologic Information

Geologic Unit Raton Fm Geologic Age Upper Cretaceous-Tertiary  
Coal Zone(s) or Bed(s) Maxwell

Coal Thickness(es) 5-10 feet

Dip of Bedding 1% NE (pitch) Strike of Bedding N/S  
Overburden Thickness(es) 400' to 1200'

Interburden Thickness(es) \_\_\_\_\_



Mine Name Trinidad Basin  
M.L.R.B. Permit No. C-048-81  
Map No. 32

Location Information

County Las Animas  
Location (Sec., T., R.) portions of sec. 15, 21, 22, T31S, R65W

Coal Region Raton Mesa Field Trinidad  
Topographic Quadrangle (7 1/2') Del Agua and Trinidad

Company Information

Mine Operator Trinidad Basin Mining, Inc.  
Address P.O. Box 783, Trinidad, CO 81082  
Contacts Jimmy Renfro Telephone 846-2300  
Parent Company \_\_\_\_\_  
Address \_\_\_\_\_  
Contacts \_\_\_\_\_ Telephone \_\_\_\_\_

General Information

Mine Type surface Mining Method haulback  
Mine Status producing Start-up Date 1978  
No. of Employees 11  
No. of Acres in Permit 1165 acres  
Surface: Federal \_\_\_\_\_ Private \_\_\_\_\_  
Mineral: Federal \_\_\_\_\_ Private X

Geologic Information

Geologic Unit Raton Fm Geologic Age Cretaceous - Tertiary  
Coal Zone(s) or Bed(s) Del Agua, Cass

Coal Thickness(es) Del Agua: 4.5'-6.0', Cass: 3.5'-4.5'

Dip of Bedding 2-5°W Strike of Bedding \_\_\_\_\_  
Overburden Thickness(es) \_\_\_\_\_

Interburden Thickness(es) 80-100'



Mine Name Cameo #1 Mine  
M.L.R.B. Permit No. C-041-81  
Map No. 33

Location Information

County Mesa  
Location (Sec., T., R.) portions of sec. 20, 21, 22, 23, 26, 27, 28, 29, 34, 35, T10S, R98W, Sec. 1 & 2, T11S, R98W  
Coal Region Uinta Field Grand Mesa  
Topographic Quadrangle (7 1/2') Cameo

Company Information

Mine Operator GEX Colorado, Inc.  
Address P.O. Box W, Palisade, CO 81526  
Contacts Dale Fenwick Telephone 464-7951  
Parent Company General Exploration Co.  
Address 4219 Sigma Road, Dallas, TX 75234  
Contacts Wallace E. Brown Telephone (214) 233-2911

General Information

Mine Type underground Mining Method room & pillar, longwall  
Mine Status producing Start-up Date 1979 by GEX  
No. of Employees 62  
No. of Acres in Permit 2,615 (2 mines, Cameo and Roadside)  
Surface: Federal X Private X  
Mineral: Federal X Private X

Geologic Information

Geologic Unit Mt. Garfield Geologic Age Cretaceous  
Coal Zone(s) or Bed(s) Cameo B seam  
Coal Thickness(es) 6-16'  
Dip of Bedding 5% Strike of Bedding N65W  
Overburden Thickness(es) 0-2000'  
Interburden Thickness(es) \_\_\_\_\_



Mine Name Fruita Mine No. 1  
M.L.R.B. Permit No. C-015-81  
Map No. 34

Location Information

County Mesa  
Location (Sec., T., R.) portions of: sec. 29 & 30, T8S, R101W,

Coal Region Uinta Field Book Cliffs  
Topographic Quadrangle (7 1/2') Ruby Lee Reservoir

Company Information

Mine Operator Dorchester Coal Co.  
Address 2795 Skyline Court, Grand Junction, CO 81501  
Contacts Leland Acre, Mgr. Telephone 245-6370  
Parent Company Dorchester Gas Corp.  
Address P.O. Box 31049, Dallas, TX 75231  
Contacts \_\_\_\_\_ Telephone (214) 750-3667

General Information

Mine Type underground Mining Method continuous room & pillar  
Mine Status idle Start-up Date 1978  
No. of Employees 1  
No. of Acres in Permit 150 acres (both #1 and #2)  
Surface: Federal \_\_\_\_\_ Private X  
Mineral: Federal \_\_\_\_\_ Private X

Geologic Information

Geologic Unit Mt. Garfield Fm & Anchor Tongue Geological Age Cretaceous  
Coal Zone(s) or Bed(s) Cameo and Anchor  
Coal Thickness(es) Cameo: 10-25'+  
Anchor: 4-6'  
Dip of Bedding 3-4° Strike of Bedding N55E  
Overburden Thickness(es) 0-1600'  
Interburden Thickness(es) Cameo-Anchor: 350'



Mine Name Fruita Mine No. 2  
M.L.R.B. Permit No. C-015-81  
Map No. 35

Location Information

County Mesa  
Location (Sec., T., R.) portions of: sec. 29 & 30, T8S, R101W,  
Coal Region Uinta Field Book Cliffs  
Topographic Quadrangle (7 1/2') Ruby Lee Reservoir

Company Information

Mine Operator Dorchester Coal Co.  
Address 2795 Skyline Court, Grand Junction, CO 81501  
Contacts Leland Acre, Mgr. Telephone 245-6370  
Parent Company Dorchester Gas Corp.  
Address P.O. Box 31049, Dallas, TX 75231  
Contacts \_\_\_\_\_ Telephone (214) 750-3667

General Information

Mine Type underground Mining Method continuous room & pillar  
Mine Status idle Start-up Date 1978  
No. of Employees 3  
No. of Acres in Permit 150 acres (both #1 and #2)  
Surface: Federal \_\_\_\_\_ Private X  
Mineral: Federal \_\_\_\_\_ Private X

Geologic Information

Geologic Unit Mt. Garfield & Anchor Tongue Geologic Age Cretaceous  
Coal Zone(s) or Bed(s) Cameo & Anchor  
Coal Thickness(es) Cameo - 10-25+'  
Anchor - 4-6+'  
Dip of Bedding 3-4° Strike of Bedding N55E  
Overburden Thickness(es) Anchor - 0-1960'  
Interburden Thickness(es) Cameo-Anchor: 350'



Mine Name Roadside Mine  
M.L.R.B. Permit No. C-041-81  
Map No. 36

Location Information

County Mesa  
Location (Sec., T., R.) portions of sec. 20, 21, 22, 23, 26, 27, 28, 29, 34, 35, T10S, R98W, and sec. 1 & 2, T11S, R98W  
Coal Region Uinta Field Grand Mesa  
Topographic Quadrangle (7 1/2') Cameo

Company Information

Mine Operator GEX Colorado, Inc.  
Address P.O. Box W, Palisade, CO 81526  
Contacts Dale Fenwick Telephone 464-7951  
Parent Company General Exploration Co.  
Address 4219 Sigma Road, Dallas, TX 75234  
Contacts Wallace E. Brown Telephone (214) 233-2911

General Information

Mine Type underground Mining Method room & pillar, longwall  
Mine Status producing Start-up Date 1977 by GEX  
No. of Employees 248  
No. of Acres in Permit 2,615 acres (2 mines, Cameo and Roadside)  
Surface: Federal X Private X  
Mineral: Federal X Private X

Geologic Information

Geologic Unit Mt. Garfield Fm Geologic Age Cretaceous  
Coal Zone(s) or Bed(s) Cameo B seam  
Coal Thickness(es) 6-16'  
Dip of Bedding 5% Strike of Bedding N65W  
Overburden Thickness(es) 0-2000'  
Interburden Thickness(es) \_\_\_\_\_

Coal Quality

Sample 1

Sample 2

Sample 3

Sample 4

Bed or Seam  
Heat value (BTU/lb)  
Sulfur(%)  
Moisture(%)  
Ash(%)  
F.S.I.  
H.G.I.  
Rank of Coal  
Use of Coal  
Methane Emissions

C O N F I D E N T I A L

Coal Production

1981 Production Thru 6/81 315,673 tons  
1980 Annual Production 547,651  
1985 Projected Production 800,000 tons  
Cumulative Production Thru 6/81 2,140,828 tons  
Reserves/Est. Life 9 million tons/ about 14 years  
Sales: Out of State(%) 100%  
Where Mississippi Power Plant in Gulfport, Mississippi  
To Whom Southern Company Services  
In State(%) 09.  
Where  
To Whom  
Transportation Type rail  
Coal Available for Domestic Use local spotmarkets

Additional Information and Comments

mine portal - middle sec. 34  
Geological information obtained from: West Central Colorado  
Coal Environmental Statement - V. 2

Mine Name Colowyo Coal Mine  
M.L.R.B. Permit No. C-019-81  
Map No. 37

Location Information

County Moffat  
Location (Sec., T., R.) portions of: sec. 13, 22, 23, 24, 26, 27, 33, 34, T4N, R93W; portions of: sec. 2, 3, 4, 9, 10, T3N, R93W  
Coal Region Uinta Field Danforth Hills  
Topographic Quadrangle (7 1/2') Ninemile Gap

Company Information

Mine Operator Colowyo Coal Co.  
Address 5731 Hwy 13, Meeker, CO 81641  
Contacts Richard Atkinson, Dale Thompson Telephone 824-4451  
Parent Company W. R. Grace & Co. - New York; Hanna Mining Co. - Cleveland  
Address 50-50 Partnership  
Contacts I. E. McKeaver, G. A. Siler Telephone 399-0779

General Information

Mine Type surface Mining Method dragline & truck/shovel  
Mine Status producing Start-up Date 1976  
No. of Employees 307  
No. of Acres in Permit 5,165 acres  
Surface: Federal X (3%) Private X (97%)  
Mineral: Federal X Private \_\_\_\_\_

Geologic Information

Geologic Unit Williams Fork Geologic Age Upper Cretaceous  
Coal Zone(s) or Bed(s) Y<sub>3</sub> and Y<sub>2</sub>, X, A<sub>2</sub> + A<sub>3</sub>, B, C, D, E, F,  
Coal Thickness(es) 57.8' total; Y<sub>3</sub> + Y<sub>2</sub>: 6.8', X : 12.3,  
A<sub>2</sub> + A<sub>3</sub> : 6.7', B : 5.3', C : 6.0', D : 10.1', E : 6.8', F : 5.4',  
Dip of Bedding 0-20°N Strike of Bedding E-W  
Overburden Thickness(es) 0-400'  
Interburden Thickness(es) \_\_\_\_\_



Mine Name Eagle No. 5  
M.L.R.B. Permit No. C-044-81  
Map No. 38

Location Information

County Moffat  
Location (Sec., T., R.) portions of: sec. 31 & 32, T6N, R91W  
" " : sec. 5 & 6, T5N, R91W  
Coal Region Green River Field Yampa  
Topographic Quadrangle (7 1/2') Round Bottom & Caster Gulch

Company Information

Mine Operator Empire Energy Corp. /Mine Engineer Sam Cario  
Address P.O. Box 68, Craig, CO 81625 824-9467  
Contacts Rick Mills - Englewood Telephone 740-5110  
Parent Company Amoco Minerals Company  
Address 7000 S. Yosemite, Englewood, CO 80112  
Contacts \_\_\_\_\_ Telephone \_\_\_\_\_

General Information

Mine Type underground Mining Method continuous, room & pillar  
Mine Status producing Start-up Date early 1970's  
No. of Employees 197  
No. of Acres in Permit 1873 acres  
Surface: Federal X Private X  
Mineral: Federal X Private X

Geologic Information

Geologic Unit Williams Fork Fm Geologic Age Cretaceous  
Coal Zone(s) or Bed(s) C E F P

Coal Thickness(es) C O N F I D E N T I A L

Dip of Bedding 7-10°N Strike of Bedding \_\_\_\_\_  
Overburden Thickness(es) 0-900' to P

Interburden Thickness(es) C-E: 0-2000; E-F: 0-1900, F-P: 0-1900



Mine Name Eagle No. 9  
M.L.R.B. Permit No. C-044-81  
Map No. 39

Location Information

County Moffat  
Location (Sec., T., R.) portions of: Sec. 31 & 32 T6N R91W  
" " " " Sec. 5 & 6 T5N R91W  
Coal Region Green River Field Yampa  
Topographic Quadrangle (7 1/2') Round Bottom & Caster Gulch

Company Information

Mine Operator Empire Energy Corp./Mine Engineer-Sam Cario 824-9467  
Address P.O. Box 68, Craig, CO 81625  
Contacts Rick Mills - Englewood Telephone 740-5110  
Parent Company Amoco Minerals Company  
Address 7000 S. Yosemite St., Englewood, CO 80112  
Contacts \_\_\_\_\_ Telephone \_\_\_\_\_

General Information

Mine Type underground Mining Method continuous, room & pillar  
Mine Status producing Start-up Date 1978  
No. of Employees 55  
No. of Acres in Permit 1007 acres  
Surface: Federal X Private X  
Mineral: Federal X Private X

Geologic Information

Geologic Unit Williams Fork Fm. Geologic Age Cretaceous  
Coal Zone(s) or Bed(s) C,E,F,P  
Coal Thickness(es) C O N F I D E N T I A L  
Dip of Bedding 7-10°N Strike of Bedding \_\_\_\_\_  
Overburden Thickness(es) 0-900' to P  
Interburden Thickness(es) C-E: 0-2000, E-F: 0-1900, F-P: 0-1900



Mine Name Trapper Mine  
M.L.R.B. Permit No. C-010-81  
Map No. 40

Location Information

County Moffat  
Location (Sec., T., R.) Portions of Sec. 5 & 6 T5N R90W; portions of Sec. 1, 2, 3, 4, 5 T5N R91W; portions of Sec. 30, 31 & 32 T6N R90W; (see Add. Info.)  
Coal Region Uinta Field Yampa  
Topographic Quadrangle (7 1/2') Castor Gulch

Company Information

Mine Operator Utah International Inc.  
Address Box 187, Craig, CO 81625  
Contacts R. C. Diederich Telephone 824-4401  
Parent Company \_\_\_\_\_  
Address \_\_\_\_\_  
Contacts \_\_\_\_\_ Telephone \_\_\_\_\_

General Information

Mine Type surface Mining Method strip  
Mine Status producing Start-up Date 1977  
No. of Employees 220  
No. of Acres in Permit 8300  
Surface: Federal \_\_\_\_\_ Private X  
Mineral: Federal X Private X

Geologic Information

Geologic Unit Williams Fork Geologic Age Cretaceous  
Coal Zone(s) or Bed(s) H, I, Q, R  
Coal Thickness(es) H : 4' I : 9' Q : 13' R : 4'  
Dip of Bedding 16% Strike of Bedding S-N  
Overburden Thickness(es) 30-140'  
Interburden Thickness(es) 2' - 50'



Mine Name Nucla Strip  
M.L.R.B. Permit No. C-008-81  
Map No. 41

Location Information

County Montrose  
Location (Sec., T., R.) portions of Sec. 25, 31 & 36 T47N R16W

Coal Region San Juan River Field Nucla-Naturita  
Topographic Quadrangle (7 1/2') Nucla

Company Information

Mine Operator same as parent company  
Address \_\_\_\_\_  
Contacts \_\_\_\_\_ Telephone \_\_\_\_\_  
Parent Company Peabody Coal Company  
Address 12015 E. 46th Ave., Denver, CO 80239  
Contacts Thomas Wainwright Telephone 371-7990

General Information

Mine Type surface Mining Method strip  
Mine Status producing Start-up Date 1959  
No. of Employees 23  
No. of Acres in Permit 393 acres  
Surface: Federal \_\_\_\_\_ Private X  
Mineral: Federal \_\_\_\_\_ Private X

Geologic Information

Geologic Unit Dakota Fm Geologic Age Cretaceous  
Coal Zone(s) or Bed(s) #1 & #2  
Coal Thickness(es) #1: 1.6'-3.3' #2: 5.9'-7.9'  
Dip of Bedding 1°-2° SW Strike of Bedding N25°W to N45°W  
Overburden Thickness(es) 0-100'  
Interburden Thickness(es) \_\_\_\_\_



Mine Name Bear Creek (Coal Basin Mines)  
M.L.R.B. Permit No. C-017-81  
Map No. 42

Location Information

County Pitkin & Gunnison  
Location (Sec., T., R.) Sec. 31 & 32, T9S, R89W; Sec. 4, 5, 6, 7, 8, 9, 10, 11, 14, 15, 16, 17, 18, 19, 20, 21, 28, 29, 30, T10S R89W; Sec. 1, 12, 13, 24 & 25, T10S R90W  
Coal Region Uinta Field Carbondale  
Topographic Quadrangle (7 1/2') Placita & Elk Knob

Company Information

Mine Operator Mid-Continent Resources, Inc.  
Address P.O. Box 158, Carbondale, CO 81623  
Contacts Doug Bowman Telephone 963-2581  
Parent Company \_\_\_\_\_  
Address \_\_\_\_\_  
Contacts \_\_\_\_\_ Telephone \_\_\_\_\_

General Information

Mine Type underground Mining Method continuous  
Mine Status Idle Start-up Date 1969  
No. of Employees 35  
No. of Acres in Permit 7,173 (all 5 Coal Basin Mines)  
Surface: Federal X Private X  
Mineral: Federal 15% Private 85%

Geologic Information

Geologic Unit Williams Fork Fm Geologic Age Upper Cretaceous  
Coal Zone(s) or Bed(s) B  
Coal Thickness(es) 5 1/2° - 8°  
Dip of Bedding 10-15°SW Strike of Bedding \_\_\_\_\_  
Overburden Thickness(es) \_\_\_\_\_  
Interburden Thickness(es) \_\_\_\_\_



Mine Name Coal Basin (Coal Basin Mines)  
M.L.R.B. Permit No. C-017-81  
Map No. 43

Location Information

County Pitkin & Gunnison  
Location (Sec., T., R.) Sec. 31 & 32, T9S, R89W; Sec. 4-11, 14-21, 28-30  
T10S, R89W; Sec. 1, 12, 13, 24, 25, T10S, R90W  
Coal Region Uinta Field Carbondale  
Topographic Quadrangle (7 1/2') Placita & Elk Knob

Company Information

Mine Operator Mid Continent Resources, Inc.  
Address P.O. Box 158, Carbondale, CO 81623  
Contacts Doug Bowman Telephone 963-2581  
Parent Company \_\_\_\_\_  
Address \_\_\_\_\_  
Contacts \_\_\_\_\_ Telephone \_\_\_\_\_

General Information

Mine Type underground Mining Method continuous, room & pillar  
Mine Status producing Start-up Date 1900-1909 1974 to present  
No. of Employees 115  
No. of Acres in Permit 7,173 acres (all 5 coal basin mines)  
Surface: Federal X Private X  
Mineral: Federal 15% Private 85%

Geologic Information

Geologic Unit Williams Fork Fm Geologic Age Upper Cretaceous  
Coal Zone(s) or Bed(s) B  
Coal Thickness(es) 5 1/2 - 8°  
Dip of Bedding 10-15°SW Strike of Bedding N80°W  
Overburden Thickness(es) \_\_\_\_\_  
Interburden Thickness(es) \_\_\_\_\_



Mine Name Dutch Creek #1 (Coal Basin Mines)  
M.L.R.B. Permit No. C-017-81  
Map No. 44

Location Information

County Pitkin & Gunnison  
Location (Sec., T., R.) Sec. 31, 32 T9S R89W; Sec. 4-11, 14-21, 28-30  
T10S R89W; Sec. 1, 12, 13, 24, 25 T10S R90W  
Coal Region Uinta Field Carbondale  
Topographic Quadrangle (7 1/2') Placita & Elk Knob

Company Information

Mine Operator Mid Continent Resources, Inc.  
Address P.O. Box 158, Carbondale, CO 81623  
Contacts Doug Bowman Telephone 963-2581  
Parent Company \_\_\_\_\_  
Address \_\_\_\_\_  
Contacts \_\_\_\_\_ Telephone \_\_\_\_\_

General Information

Mine Type underground Mining Method longwall  
Mine Status shut down\* Start-up Date 1956  
No. of Employees 95  
No. of Acres in Permit 7,173 acres (all of 5 Coal Basin mines)  
Surface: Federal X Private X  
Mineral: Federal 15% Private 85%

Geologic Information

Geologic Unit Lower Mesaverde Geologic Age Upper Cretaceous  
Coal Zone(s) or Bed(s) B  
Coal Thickness(es) 5 1/2'-8'  
Dip of Bedding 11-13°NW Strike of Bedding N-NE  
Overburden Thickness(es) \_\_\_\_\_  
Interburden Thickness(es) \_\_\_\_\_

<u>Coal Quality</u>	Sample 1	Sample 2	Sample 3	Sample 4
Bed or Seam	Average B			
Heat value (BTU/lb)	14,500			
Sulfur(%)	.5			
Moisture(%)	.8			
Ash(%)	7.5			
F.S.I.	9.0			
H.G.I.				
Rank of Coal	Mv Bit.			
Use of Coal	coking			
Methane Emissions				

Coal Production

1981 Production Thru 6/81	45,386 tons
1980 Annual Production	156,533 tons
1985 Projected Production	
Cumulative Production Thru 6/81	6,491,202 tons
Reserves/Est. Life	
Sales: Out of State(%)	100%
Where	Provo, Utah/California
To Whom	US Steel/Kaiser Steel
In State(%)	
Where	
To Whom	
Transportation Type	train
Coal Available for Domestic Use	no

Additional Information and Comments

\*Explosion on 4/15/81 killed 15 miners and shut down operations. May reopen in Fall 1981.

Mine Name Dutch Creek #2 (Coal Basin Mines)  
M.L.R.B. Permit No. C-017-81  
Map No. 45

Location Information

County Pitkin & Gunnison  
Location (Sec., T., R.) Sec. 31 & 32 T9S R89W; Sec. 4-11, 14-21, 28-30  
T10S R89W; Sec. 1, 12, 13, 24, 25 T10S R90W  
Coal Region Uinta Field Carbondale  
Topographic Quadrangle (7 1/2') Placita & Elk Knob

Company Information

Mine Operator Mid Continent Resources, Inc.  
Address P.O. Box 158, Carbondale, CO 81623  
Contacts Doug Bowman Telephone 963-2581  
Parent Company \_\_\_\_\_  
Address \_\_\_\_\_  
Contacts \_\_\_\_\_ Telephone \_\_\_\_\_

General Information

Mine Type underground Mining Method continuous, room & pillar  
Mine Status producing Start-up Date 1965  
No. of Employees 95  
No. of Acres in Permit 7,173 (all 5 Coal Basin mines)  
Surface: Federal X Private X  
Mineral: Federal 15% Private 85%

Geologic Information

Geologic Unit Williams Fork Fm. Geologic Age Upper Cretaceous  
Coal Zone(s) or Bed(s) Dutch Creek  
Coal Thickness(es) 4-20'  
Dip of Bedding 10-15°SW Strike of Bedding N40°W  
Overburden Thickness(es) about 2500'  
Interburden Thickness(es) \_\_\_\_\_



Mine Name L. S. Wood (Coal Basin Mines)  
M.L.R.B. Permit No. C-017-81  
Map No. 46

Location Information

County Pitkin & Gunnison  
Location (Sec., T., R.) Sec. 31 & 32 T9S R89W; Sec. 4-11, 14-21, 28-30  
T10S R89W; Sec. 1, 12, 13, 24, 25 T10S R90W  
Coal Region Uinta Field Carbondale  
Topographic Quadrangle (7 1/2') Placita & Elk Knob

Company Information

Mine Operator Mid Continent Resources, Inc.  
Address P.O. Box 158, Carbondale, CO 81623  
Contacts Doug Bowman Telephone 963-2581  
Parent Company \_\_\_\_\_  
Address \_\_\_\_\_  
Contacts \_\_\_\_\_ Telephone \_\_\_\_\_

General Information

Mine Type underground Mining Method Longwall, room & pillar, continuous  
Mine Status producing Start-up Date 1966  
No. of Employees 145  
No. of Acres in Permit 7,173 (all 5 Coal Basin Mines)  
Surface: Federal X Private X  
Mineral: Federal 15% Private 85%

Geologic Information

Geologic Unit Williams Fork Fm. Geologic Age Upper Cretaceous  
Coal Zone(s) or Bed(s) B  
Coal Thickness(es) 5 1/2'-8'  
Dip of Bedding 10-15°SW Strike of Bedding \_\_\_\_\_  
Overburden Thickness(es) \_\_\_\_\_  
Interburden Thickness(es) \_\_\_\_\_



Mine Name North Thompson Creek Mine No. 1  
M.L.R.B. Permit No. C-025-81  
Map No. 47

Location Information

County Pitkin  
Location (Sec., T., R.) portions of Sec. 31 & 35 T8S, R89W  
Coal Region Uinta Field Carbondale  
Topographic Quadrangle (7 1/2') Stony Ridge

Company Information

Mine Operator Snowmass Coal Co.  
Address P.O. Box 980, Carbondale, CO 81623  
Contacts Stephen Self Telephone 963-3440  
Parent Company Roaring Fork Coal Co.  
Address Suite 2300, 410 17th St., Denver, CO 80202  
Contacts \_\_\_\_\_ Telephone \_\_\_\_\_

General Information

Mine Type underground Mining Method longwall  
Mine Status producing Start-up Date 1951  
No. of Employees 142  
No. of Acres in Permit 320 acres  
Surface: Federal \_\_\_\_\_ Private X  
Mineral: Federal 90% Private 10%

Geologic Information

Geologic Unit Williams Fork Fm. Geologic Age Cretaceous  
Coal Zone(s) or Bed(s) A  
Coal Thickness(es) 7-10'  
Dip of Bedding 27-30°W Strike of Bedding \_\_\_\_\_  
Overburden Thickness(es) 0-1500'  
Interburden Thickness(es) \_\_\_\_\_



Mine Name North Thompson Creek Mine No. 3  
M.L.R.B. Permit No. C-025-81  
Map No. 48

Location Information

County Pitkin  
Location (Sec., T., R.) portions of Sec. 31 & 35 T8S R89W

Coal Region Uinta Field Carbondale  
Topographic Quadrangle (7 1/2') Stony Ridge

Company Information

Mine Operator Snowmass Coal Co.  
Address P.O. Box 980, Carbondale, CO 81623  
Contacts Stephen Self Telephone 963-3440  
Parent Company Roaring Fork Coal Co.  
Address Suite 2300, 410 17th St., Denver, CO 80202  
Contacts \_\_\_\_\_ Telephone \_\_\_\_\_

General Information

Mine Type underground Mining Method longwall  
Mine Status Producing Start-up Date 1955  
No. of Employees \_\_\_\_\_  
No. of Acres in Permit 320 acres  
Surface: Federal 10 Private X  
Mineral: Federal 90% Private 10%

Geologic Information

Geologic Unit Williams Fork Fm. Geologic Age Cretaceous  
Coal Zone(s) or Bed(s) Anderson  
Coal Thickness(es) 8-10'  
Dip of Bedding 27-30°W Strike of Bedding \_\_\_\_\_  
Overburden Thickness(es) 0-3000'  
Interburden Thickness(es) \_\_\_\_\_



Mine Name Deserado Mine  
M.L.R.B. Permit No. C-018-81  
Map No. 49

Location Information

County Rio Blanco  
Location (Sec., T., R.) portions of Sec. 1,2,3,4,10,11;T2N,R101W,  
Sec. 22,23,26,27,28,32,33,34,35,36;T3N,R101W  
Coal Region Green River Field Lower White River  
Topographic Quadrangle (7 1/2') Rangely NE & Cactus Reservoir

Company Information

Mine Operator Western Fuels-Utah, Inc.  
Address 405 Urban, #305, Lakewood, CO 80228  
Contacts Don Deardorff Telephone 988-9626  
Parent Company Western Fuels-Utah, Inc.  
Address 1835 K St. NW, Suite 412, Washington, DC 20006  
Contacts \_\_\_\_\_ Telephone (202) 223-8703

General Information

Mine Type underground Mining Method longwall, room & pillar  
Mine Status in preparation Start-up Date mid 1982  
No. of Employees \_\_\_\_\_  
No. of Acres in Permit \_\_\_\_\_  
Surface: Federal  Private   
Mineral: Federal  Private

Geologic Information

Geologic Unit Williams Fork Fm. Geologic Age Upper Cretaceous  
Coal Zone(s) or Bed(s) B, B/C & D  
Coal Thickness(es) B: 6.4', B/C: 6-12', D: 4.5-10'  
Dip of Bedding 0-70° Strike of Bedding \_\_\_\_\_  
Overburden Thickness(es) \_\_\_\_\_  
Interburden Thickness(es) \_\_\_\_\_



Mine Name Northern No. 1  
M.L.R.B. Permit No. C-032-81  
Map No. 50

Location Information

County Rio Blanco  
Location (Sec., T., R.) NE 1/4 SE 1/4, Sec. 21, T2N, R93W

Coal Region Uinta Field Danforth Hills  
Topographic Quadrangle (7 1/2') Veach Gulch, Red Elephant Point

Company Information

Mine Operator Northern Coal Co.  
Address 740 S. Colo. Blvd. Suite 200, Denver, CO  
Contacts \_\_\_\_\_ Telephone 753-8669  
Parent Company \_\_\_\_\_  
Address \_\_\_\_\_  
Contacts \_\_\_\_\_ Telephone \_\_\_\_\_

General Information

Mine Type underground Mining Method room & pillar, continuous  
Mine Status Idle Start-up Date 1979  
No. of Employees 7  
No. of Acres in Permit 7860 in leased lands (4 mines)  
Surface: Federal \_\_\_\_\_ Private \_\_\_\_\_  
Mineral: Federal \_\_\_\_\_ Private \_\_\_\_\_

Geologic Information

Geologic Unit Williams Fork Fm Geologic Age Upper Cretaceous  
Coal Zone(s) or Bed(s) FF

Coal Thickness(es) 9' average

Dip of Bedding 12° to 18° NW Strike of Bedding \_\_\_\_\_  
Overburden Thickness(es) \_\_\_\_\_

Interburden Thickness(es) \_\_\_\_\_



Mine Name Northern No. 2  
M.L.R.B. Permit No. C-032-81  
Map No. 51

Location Information

County Rio Blanco  
Location (Sec., T., R.) NE 1/4, SE 1/4, Sec. 21, T2N, R93W

Coal Region Uinta Field Danforth Hills  
Topographic Quadrangle (7 1/2') Veach

Company Information

Mine Operator Northern Coal Co.  
Address 740 S. Colorado Blvd., Suite 200, Denver, CO  
Contacts \_\_\_\_\_ Telephone 753-8669  
Parent Company Northern Coal Co.  
Address 740 S. Colorado Blvd., Suite 200, Denver, CO  
Contacts \_\_\_\_\_ Telephone \_\_\_\_\_

General Information

Mine Type underground Mining Method room & pillar & longwall  
Mine Status permit stage Start-up Date 1982 or 1983  
No. of Employees \_\_\_\_\_  
No. of Acres in Permit 7860 in leased lands (4 mines)  
Surface: Federal \_\_\_\_\_ Private \_\_\_\_\_  
Mineral: Federal \_\_\_\_\_ Private \_\_\_\_\_

Geologic Information

Geologic Unit Williams Fork Fm Geologic Age Upper Cretaceous  
Coal Zone(s) or Bed(s) P

Coal Thickness(es) 9' average

Dip of Bedding 12° to 18° NW Strike of Bedding \_\_\_\_\_  
Overburden Thickness(es) \_\_\_\_\_

Interburden Thickness(es) \_\_\_\_\_



Mine Name Northern No. 3  
M.L.R.B. Permit No. C-032-81  
Map No. 52

Location Information

County Rio Blanco  
Location (Sec., T., R.) NE 1/4, SE 1/4, Sec. 21, T2N, R93W

Coal Region Uinta Field Danforth Hills  
Topographic Quadrangle (7 1/2') Ninemile Gap

Company Information

Mine Operator (same as parent)  
Address \_\_\_\_\_  
Contacts \_\_\_\_\_ Telephone \_\_\_\_\_  
Parent Company Northern Coal Co.  
Address 740 S. Colorado Blvd., Suite 200, Denver, CO  
Contacts \_\_\_\_\_ Telephone 753-8603

General Information

Mine Type underground Mining Method room & pillar, longwall  
Mine Status in permit stage Start-up Date 1982 or 1983  
No. of Employees \_\_\_\_\_  
No. of Acres in Permit 7,860 in leased lands (4 mines)  
Surface: Federal \_\_\_\_\_ Private \_\_\_\_\_  
Mineral: Federal \_\_\_\_\_ Private \_\_\_\_\_

Geologic Information

Geologic Unit Williams Fork Fm Geologic Age Upper Cretaceous  
Coal Zone(s) or Bed(s) P  
Coal Thickness(es) 14' average  
Dip of Bedding 12°-18°NW Strike of Bedding \_\_\_\_\_  
Overburden Thickness(es) \_\_\_\_\_  
Interburden Thickness(es) \_\_\_\_\_



Mine Name Rienau No. 2  
M.L.R.B. Permit No. C-032-81  
Map No. 53

Location Information

County Rio Blanco  
Location (Sec., T., R.) sec. 29, T2N, R93W

Coal Region Uinta Field Danforth Hills  
Topographic Quadrangle (7 1/2') Rattlesnake Mesa

Company Information

Mine Operator Northern Coal Co.  
Address P.O. Box 2140, Meeker, CO  
Contacts Tim Nunn/Rich Skvarch Telephone \_\_\_\_\_  
Parent Company Northern Coal Co.  
Address 740 S. Colo. Blvd., Suite 200, Denver, CO  
Contacts Mr. Spangleburg Telephone 753-8603

General Information

Mine Type underground Mining Method room & pillar, continuous  
Mine Status producing Start-up Date 1965  
No. of Employees 80  
No. of Acres in Permit 7860 in leased lands (4 mines)  
Surface: Federal \_\_\_\_\_ Private \_\_\_\_\_  
Mineral: Federal \_\_\_\_\_ Private \_\_\_\_\_

Geologic Information

Geologic Unit Mesaverde Group Geologic Age Cretaceous  
Coal Zone(s) or Bed(s) G

Coal Thickness(es) 13.1'

Dip of Bedding 20°N Strike of Bedding \_\_\_\_\_  
Overburden Thickness(es) \_\_\_\_\_

Interburden Thickness(es) \_\_\_\_\_



Mine Name Sulphur Creek  
M.L.R.B. Permit No. C-027-81  
Map No. 54

Location Information

County Rio Blanco  
Location (Sec., T., R.) part of Sec. 10 T1N R94W

Coal Region Uinta Field Danforth Hills  
Topographic Quadrangle (7 1/2') Meeker

Company Information

Mine Operator Sulphur Creek Mine, Inc.  
Address Box 130, Meeker, CO 81641  
Contacts Roger Patel Telephone 878-9931  
Parent Company William H. Lackey and Assoc., Inc.  
Address \_\_\_\_\_  
Contacts \_\_\_\_\_ Telephone \_\_\_\_\_

General Information

Mine Type Underground Mining Method Room & Pillar, blast & haul out  
Mine Status Idle Start-up Date ?  
No. of Employees \_\_\_\_\_  
No. of Acres in Permit 7.28 acres  
Surface: Federal \_\_\_\_\_ Private X  
Mineral: Federal \_\_\_\_\_ Private X

Geologic Information

Geologic Unit Williams Fk. & Iles Fm. Geologic Age Cretaceous  
Coal Zone(s) or Bed(s) Fairfield, Major & Sulphur Creek  
Coal Thickness(es) Fairfield: 6.9'-12' / Major: 5-10';  
Sulphur Creek: 5.5'-6.5'  
Dip of Bedding 17°NW Strike of Bedding N11°E  
Overburden Thickness(es) \_\_\_\_\_  
Interburden Thickness(es) \_\_\_\_\_



Mine Name Apex No. 2  
M.L.R.B. Permit No. C-011-81  
Map No. 55

Location Information

County Routt  
Location (Sec., T., R.) portions of Sec. 21 & 22; T4N, R86W

Coal Region Green River Field Yampa  
Topographic Quadrangle (7 1/2') Rattlesnake Butte

Company Information

Mine Operator Sunland Mining Corp.  
Address P.O. Box 55, Oak Creek, CO 80467  
Contacts David R. Canning (V.P.) Telephone 736-8181  
Parent Company \_\_\_\_\_  
Address \_\_\_\_\_  
Contacts \_\_\_\_\_ Telephone \_\_\_\_\_

General Information

Mine Type underground Mining Method Room & Pillar/continuous  
Mine Status Idle Start-up Date 1965  
No. of Employees 12  
No. of Acres in Permit 240 acres  
Surface: Federal \_\_\_\_\_ Private X  
Mineral: Federal X Private \_\_\_\_\_

Geologic Information

Geologic Unit Iles Fm (Lower Mesaverde) Geologic Age Upper Cretaceous  
Coal Zone(s) or Bed(s) Lower Pinnacle

Coal Thickness(es) 4'

Dip of Bedding 7° Strike of Bedding N50W  
Overburden Thickness(es) 450'

Interburden Thickness(es) \_\_\_\_\_



Mine Name Edna Strip  
M.L.R.B. Permit No. C-001-80  
Map No. 56

Location Information

County Routt  
Location (Sec., T., R.) Portions of Sec. 19, 30, 31, T5N, R85W; portions of Sec. 36, T5N, R86W; portions of Sec. 7, 18, 19 T4N, R85W; (see Addit. Info.)  
Coal Region Green River Field Yampa  
Topographic Quadrangle (7 1/2') Oak Creek, Rattlesnake Butte, & Cow Creek

Company Information

Mine Operator Pittsburg & Midway Coal  
Address P.O. Box 176, Oak Creek, CO 80457  
Contacts John Hinton-Denver-750-3505 Telephone Mr. F.H. Haller-Oak  
Parent Company Gulf Oil Corp. Creek-736-8111  
Address 1720 So. Bellaire St., Denver, CO 80222  
Contacts \_\_\_\_\_ Telephone \_\_\_\_\_

General Information

Mine Type surface Mining Method strip  
Mine Status producing Start-up Date 1945  
No. of Employees 97  
No. of Acres in Permit 4360 acres  
Surface: Federal \_\_\_\_\_ Private \_\_\_\_\_  
Mineral: Federal X Private X

Geologic Information

Geologic Unit Williams Fork Fm. Geologic Age Upper Cretaceous  
Coal Zone(s) or Bed(s) Lennox, Wadge & Wolfcreek  
Coal Thickness(es) Lennox - 3-4'; Wadge - 5-11'; Wolfcreek - 13.5'  
mining Wadge only  
Dip of Bedding about 8-14°W-NW Strike of Bedding \_\_\_\_\_  
Overburden Thickness(es) Lennox - 0-50'; Wadge - 0-90'; Wolfcreek - 0-200+'  
Interburden Thickness(es) Lennox-Wadge: 35-40'  
Wadge-Wolfcreek: about 100'



Mine Name Energy No. 1  
M.L.R.B. Permit No. 79-177  
Map No. 57

Location Information

County Routt  
Location (Sec., T., R.) Sec. 7, 8, 9, 10, 16, 17, 18, 19, 24, 30, T4N R86W  
Sec. 12, 13, 14, 23, 24, 25, 26, T4N R87W, Sec. 19, 20, 21, 28, 29, 30, 31,  
32, 33, 34, T5N R86W, Sec. 24, 25, 36, T5N R87W  
Coal Region Green River Field Yampa  
Topographic Quadrangle (7 1/2') Mt. Harris, Milner, Dunckly & Rattlesnake Butte

Company Information

Mine Operator Getty Mineral Resources Company  
Address P.O. Box 772129, Steamboat Springs, CO 80477  
Contacts Gary W. Myers/Jim Cooper Telephone 879-3800  
Parent Company Getty Oil Company  
Address \_\_\_\_\_  
Contacts J.D. Spaulding Telephone 213/739-2733

General Information

Mine Type surface Mining Method strip-dragline  
Mine Status producing Start-up Date 1962  
No. of Employees 267  
No. of Acres in Permit \_\_\_\_\_  
Surface: Federal  Private   
Mineral: Federal  Private

Geologic Information

Geologic Unit Williams Fork Geologic Age Cretaceous  
Coal Zone(s) or Bed(s) Wadge Seam  
Coal Thickness(es) 7-11'  
Dip of Bedding 5°+ Strike of Bedding N5°W  
Overburden Thickness(es) 0-140'  
Interburden Thickness(es) \_\_\_\_\_



Mine Name Energy No. 2  
M.L.R.B. Permit No. 79-177  
Map No. 58

Location Information

County Routt  
Location (Sec., T., R.) Sec. 7,8,9,10,16,17,18,19,24,30 T4N R86W, Sec. 12, 13,14,23,24,25,26,T4N R87W, Sec. 19,20,21,28,29,30,31,32,33,34,T5N, R86W, Sec. 24,25,36 T5N R87W  
Coal Region Green River Field Yampa Coal Field  
Topographic Quadrangle (7 1/2') Mt. Harris, Milner, Dunckley, and Rattlesnake Butte

Company Information

Mine Operator Getty Mineral Resources Company  
Address P.O. Box 772129, Steamboat Springs, CO 80477  
Contacts Gary W. Myers/Jim Cooper Telephone 879-3800  
Parent Company Getty Oil Company  
Address \_\_\_\_\_  
Contacts J.D. Spaulding Telephone 213/739-2733

General Information

Mine Type surface Mining Method strip-dragline  
Mine Status Idle Start-up Date 1972  
No. of Employees \_\_\_\_\_  
No. of Acres in Permit \_\_\_\_\_  
Surface: Federal X Private X  
Mineral: Federal X Private X

Geologic Information

Geologic Unit Williams Fork Geologic Age Cretaceous  
Coal Zone(s) or Bed(s) Fish Creek Seam  
Coal Thickness(es) 3-4'  
Dip of Bedding 5°+ Strike of Bedding N5°W  
Overburden Thickness(es) 0-80'  
Interburden Thickness(es) \_\_\_\_\_



Mine Name Energy No. 3  
M.L.R.B. Permit No. C-036-81  
Map No. 59

Location Information

County Routt  
Location (Sec., T., R.) portions of Sec. 1, 2, 12, 13, 24, T5N, R86W  
portions of Sec. 18 & 19, T5N, R85W  
Coal Region Green River Field Yampa  
Topographic Quadrangle (7 1/2') Cow Creek

Company Information

Mine Operator Getty Mineral Resources Company  
Address P.O. Box 772129, Steamboat Springs, CO 80477  
Contacts Gary W. Myers/Jim Cooper Telephone 879-3800  
Parent Company Getty Oil Company  
Address \_\_\_\_\_  
Contacts J.D. Spaulding Telephone 213/739-2733

General Information

Mine Type surface & underground Mining Method Strip/Continuous  
Room & Pillar  
Mine Status idle Start-up Date 1975  
No. of Employees \_\_\_\_\_  
No. of Acres in Permit 1860 acres  
Surface: Federal \_\_\_\_\_ Private X  
Mineral: Federal \_\_\_\_\_ Private X

Geologic Information

Geologic Unit Mesaverde Group Geologic Age Upper Cretaceous  
Coal Zone(s) or Bed(s) Wadge  
Coal Thickness(es) 7-10'  
Dip of Bedding 8-14°W Strike of Bedding N5°W  
Overburden Thickness(es) 0-100' for surface mine  
100-800' for underground mine  
Interburden Thickness(es) \_\_\_\_\_



Mine Name Grassy Creek Coal Mine No. 1  
M.L.R.B. Permit No. C-039-81  
Map No. 60

Location Information

County Routt  
Location (Sec., T., R.) portions of: sec. 20, 21, 28, 29, 31 & 32,  
T5N, R87W  
Coal Region Green River Field Yampa  
Topographic Quadrangle (7 1/2') Mount Harris & Dunckley

Company Information

Mine Operator The Rockcastle Company  
Address P.O. Box AA, Hayden, CO 81639  
Contacts Wm. Heiden Telephone 203-879-7110  
Parent Company Rockcastle Company  
Address P.O. Box 1038, Janesville, WI 53545  
Contacts \_\_\_\_\_ Telephone (608) 754-2291

General Information

Mine Type surface Mining Method strip  
Mine Status producing Start-up Date 1978  
No. of Employees 20  
No. of Acres in Permit 962.3 acres  
Surface: Federal \_\_\_\_\_ Private X  
Mineral: Federal \_\_\_\_\_ Private X

Geologic Information

Geologic Unit Iles Fm Geologic Age Cretaceous  
Coal Zone(s) or Bed(s) Pinnacle & Blacksmith  
Coal Thickness(es) Pinnacle: 6-7'  
Dip of Bedding 14-16°N Strike of Bedding \_\_\_\_\_  
Overburden Thickness(es) \_\_\_\_\_  
Interburden Thickness(es) \_\_\_\_\_



Mine Name Hayden Gulch  
M.L.R.B. Permit No. C-003-80  
Map No. 61

Location Information

County Routt  
Location (Sec., T., R.) portions of: sec. 30 & 31, T5N, R88W,  
portions of: sec. 10, 14, 15, 22, 23, T6N, R88W  
Coal Region Green River Field Yampa  
Topographic Quadrangle (7 1/2') Hayden Gulch & Hayden

Company Information

Mine Operator H.G. Coal Co.  
Address 5731 State Highway #13, Meeker, CO 81641  
Contacts Mr. E.K. Olsen Telephone 824-4451  
Parent Company W.R. Grace & Co.  
Address 3400 First Intl. Bldg Dallas, TX 75270  
Contacts T. R. Fowler Telephone (214)658-1053

General Information

Mine Type surface Mining Method strip  
Mine Status producing Start-up Date 1979  
No. of Employees 73  
No. of Acres in Permit 1272 acres  
Surface: Federal \_\_\_\_\_ Private X  
Mineral: Federal \_\_\_\_\_ Private X

Geologic Information

Geologic Unit Williams Fork Geologic Age Upper Cretaceous  
Coal Zone(s) or Bed(s) 5 beds  
Coal Thickness(es) 22' total  
Dip of Bedding 5°NE Strike of Bedding \_\_\_\_\_  
Overburden Thickness(es) 9-50'  
Interburden Thickness(es) \_\_\_\_\_



Mine Name Meadows No. 1  
M.L.R.B. Permit No. C-029-81  
Map No. 62

Location Information

County Routt  
Location (Sec., T., R.) portions of: sec. 11, 14, 23, 24, 25, 26, T6N, R87W  
Coal Region Green River Field Yampa  
Topographic Quadrangle (7 1/2') Milner

Company Information

Mine Operator Sun Coal Co.  
Address P.O. Box 26, Milner, CO 80477  
Contacts \_\_\_\_\_ Telephone 276-3746  
Parent Company Sun Coal Co.  
Address 1536 Cole Blvd., Golden, CO 80401  
Contacts Rick Chilton Telephone 233-5284

General Information

Mine Type surface Mining Method scrapers and dozers  
Mine Status idle Start-up Date 1977  
No. of Employees \_\_\_\_\_  
No. of Acres in Permit 199 acres  
Surface: Federal \_\_\_\_\_ Private X  
Mineral: Federal \_\_\_\_\_ Private X

Geologic Information

Geologic Unit Iles Fm Geologic Age Cretaceous  
Coal Zone(s) or Bed(s) Pinnacle  
Coal Thickness(es) 6.7-8.5'  
Dip of Bedding 18% WNW Strike of Bedding \_\_\_\_\_  
Overburden Thickness(es) 40-50'  
Interburden Thickness(es) \_\_\_\_\_



Mine Name Seneca II  
M.L.R.B. Permit No. C-005-80  
Map No. 63

Location Information

County Routt  
Location (Sec., T., R.) portions of: sec. 27, 34, 35, 36; T6N, R87W  
portions of: sec. 1, 2, 3, 11, 12, 13; T5N, R87W  
Coal Region Green River Field Yampa  
Topographic Quadrangle (7 1/2') Milner, Mt. Harris

Company Information

Mine Operator Seneca Coals, Ltd.  
Address 12015 E. 46th Ave., Suite 600, Denver, CO 80239  
Contacts Thomas J. Wainwright Telephone 371-7990  
Parent Company Western Utility Corp./Peabody Coal (joint venture)  
Address \_\_\_\_\_  
Contacts \_\_\_\_\_ Telephone \_\_\_\_\_

General Information

Mine Type surface Mining Method draglines  
Mine Status Producing Start-up Date 1968  
No. of Employees 89  
No. of Acres in Permit 3,375  
Surface: Federal \_\_\_\_\_ Private X  
Mineral: Federal X Private X

Geologic Information

Geologic Unit Lower Williams Fork Fm Geologic Age Upper Cretaceous  
Coal Zone(s) or Bed(s) Wolf Creek, Wadge, Lennox  
Coal Thickness(es) Wolf Creek : 16', Wadge : 9', Lennox : 4'  
Dip of Bedding 6° to 19° Strike of Bedding \_\_\_\_\_  
Overburden Thickness(es) \_\_\_\_\_  
Interburden Thickness(es) \_\_\_\_\_



Mine Name Trout Creek No. 2  
M.L.R.B. Permit No. C-049-81  
Map No. 64

Location Information

County Routt  
Location (Sec., T., R.) portions of sec. 11, 14 & 23, T6N, R87W  
Coal Region Green River Field Yampa  
Topographic Quadrangle (7 1/2') Milner

Company Information

Mine Operator Sun Coal Co., Inc.  
Address P.O. Box 26, Milner, CO 80477  
Contacts \_\_\_\_\_ Telephone 276-3746  
Parent Company Sun Coal Co., Inc.  
Address 1536 Cole Blvd., Golden, CO 80401  
Contacts Rick Chilton Telephone 233-5284

General Information

Mine Type underground Mining Method room & pillar  
Mine Status in preparation Start-up Date mid 1982  
No. of Employees \_\_\_\_\_  
No. of Acres in Permit 7.5 acres  
Surface: Federal \_\_\_\_\_ Private X  
Mineral: Federal \_\_\_\_\_ Private X

Geologic Information

Geologic Unit Iles Fm Geologic Age Cretaceous  
Coal Zone(s) or Bed(s) Blacksmith  
Coal Thickness(es) 6.4'  
Dip of Bedding 18% WNW Strike of Bedding \_\_\_\_\_  
Overburden Thickness(es) 0-1500'  
Interburden Thickness(es) \_\_\_\_\_



Mine Name Coors Keensburg  
M.L.R.B. Permit No. C-028-81  
Map No. 65

Location Information

County Weld  
Location (Sec., T., R.) portions of: sec. 25, 26, 35 & 36, T3N, R64W

Coal Region Denver Field Boulder-Weld  
Topographic Quadrangle (7 1/2') Klug Ranch, Tampa

Company Information

Mine Operator Coors Energy Co.  
Address P.O. Box 359, Keenesburg, CO 80643  
Contacts John Nelson Telephone 659-8520  
Parent Company Adolph Coors Co.  
Address P.O. Box 467, Golden, CO 80401  
Contacts Louis Gaspar Telephone 278-7030

General Information

Mine Type surface Mining Method strip  
Mine Status in preparation Start-up Date Sept. 1981  
No. of Employees 37  
No. of Acres in Permit 1525+ acres  
Surface: Federal \_\_\_\_\_ Private X  
Mineral: Federal \_\_\_\_\_ Private X

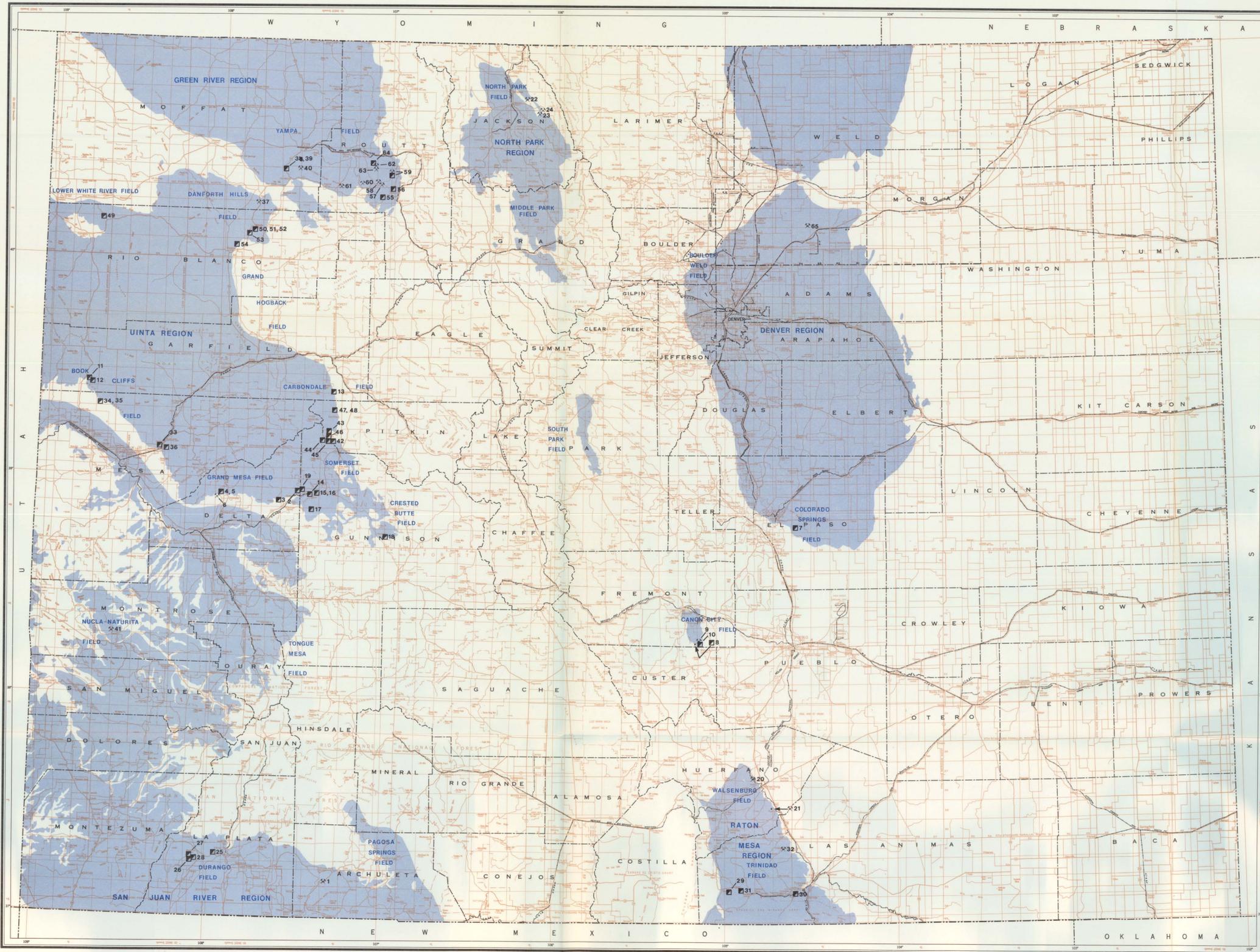
Geologic Information

Geologic Unit Laramie Formation Geologic Age Cretaceous  
Coal Zone(s) or Bed(s) No. 7  
Coal Thickness(es) 2-8'  
Dip of Bedding \_\_\_\_\_ Strike of Bedding \_\_\_\_\_  
Overburden Thickness(es) 60-160'  
Interburden Thickness(es) \_\_\_\_\_



# MAP OF PERMITTED COAL MINES IN COLORADO AS OF AUGUST 1, 1981

By Bruce S. Kelso, L.R. Ladwig, and Linda Sitowitz



## COAL MINE INFORMATION

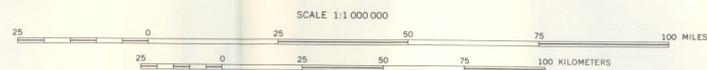
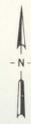
- ARCHULETA**
- Chimney Rock Coal Strip, sec. 29,30,T33 1/2N,R4W,Fruitland Fm.Beds A,B,C,HvA bit/Production:1980: 8,424 st/1981 thru June: 67,897 st.
- DELTA**
- Blue Ribbon,sec.2T13S,R91W,Mesaverde Fm.Bed E:bit/Production:1980: 97,013 st/1981 thru June: 63,617 st
  - Orchard Valley,sec.7,12,13. "T13S,R92W,Mesaverde Grp. Bed D:Production:1980: 761,824 st/1981 thru June: 469,783 st
  - Red Canyon Mine #1,sec.2,11,12,T13S,R95W,Williams Fork Fm.Bed E:sub-bit/Production:1980: 93,257 st/1981 thru June: 47,313 st
  - Red Canyon Mine #2,sec.2,11,12,T13S,R95W,Williams Fork Fm.Bed D:No production as of June 1981
  - Tomahawk Strip,sec.10,15,16,T13S,R95W,Mesaverde Grp. Beds A,C,D,E,F,sub-bit C:Production:1980: 24,076 st/1981 thru June: 41,002 st.
- EL PASO**
- Bacon Mine,sec.29,30,T14S,R64W,Laramie Fm.Beds A & B:sub-bit C:Production:1980: 38,778 st/1981 thru June: 3,579 st.
- FREMONT**
- Dorchester No. 1,sec.19,sec.20,T20S,R69W,Vermejo Fm.Many Vento Seams:bit/Production:1980: 76,574 st/1981 thru June: 79,364 st\*
  - GEC Strip,sec.24,25,T20S,R70W,sec.19,30,T20S,R69W, Vermejo Fm.Beds D,E,G,J,K,HvC bit/Production:1980: 60,994 st/1981 thru May: 26,655 st.
  - Newlin Creek,sec.30,31,T20S,R69W,Vermejo Fm.Shamrock Seam:Production:1980: 102,591 st/1981 thru June: 44,065 st.
- GARFIELD**
- McClane Canyon,sec.15,16,21,22,T7S,R102W,Mt. Garfield Fm.Cameo Seams:HvC bit/Production:1980: 14,200 st/1981 thru June: 22,655 st.
  - Munger Canyon,sec.15,16,21,22,T7S,R102W,Mt. Garfield Fm.Cameo & Upper Carbonera Seams:HvC bit/Production:1980: None/1981 thru June: None.
  - Sunlight Mine,sec.33,34,T7S,R89W,Mesaverde Fm.Beds A,B,C,S,D: HvB bit/Production:1980: 1300 st/1981 thru May: 622 st.
- GUNNISON**
- Bear Mine,sec.9,16,17. "T13S,R90W,Mesaverde Grp. Beds C,D,E,F:bit/Production:1980: 229,217 st/1981 thru June: 159,217 st.
  - Hawk's Nest East,sec.1-3. "T13S,R90W,Mesaverde Grp. Bed E:HvB bit/Production:1980: 336,141 st/1981 thru May: 315,665 st.
  - Hawk's Nest West,sec.1-3. "T13S,R90W,Mesaverde Grp. Bed E:HvB bit/Production:1980: 6,000 st/1981 thru May: 9,067 st.
  - Mt. Gunnison No. 1,sec. 8,9,15. "T13,14S,R90W,Mesaverde Grp. Bed F:bit/No production as of June 1981
  - Ohio Creek Coal Mine No.2,sec. 15,16,T13S,R89W,Mesaverde Grp. Bed C:HvC bit/Production:1980: 1,448 st/1981 thru June: 563 st.
  - Somerset,sec.34-36. "T12,13S,R90,91W,Bowie Mbr. Bed B-2:HvC bit/Production:1980: 854,697 st/1981 thru June: 283,426 st.
- HUERFANO**
- Colorado Coal Mine No. 1,sec.25,36,T27S,R67W,Vermejo Fm.multiple beds:No production as of June 1981.
  - Viking Strip,sec.18,19,24,T29S,R65W,Vermejo Fm.multiple beds:Production:1980: 23,514 st/1981 thru June: 14,007 st.\*
- JACKSON**
- Bourg Mine,sec.7,18,T9N,R78W,Coalmont Fm.Lower & Upper beds:Production:1980: 4,000 st/1981 thru June: 44,796 st.
  - Canadian Strip,sec.2,10,11,T8N,R78W,Coalmont Fm.Sudduth Seam:sub-bit/ Production:1980: 43,915 st/1981 thru June: 77,913 st. 216,460 st.
  - Marr Strip,sec.15,22,23. "T9N,R78W,sec.2,T8N,R78W,Coalmont Fm.Sudduth Seam:sub-bit/Production:1980: 759,000 st/1981 thru June
- LA PLATA**
- Coal Gulch,sec.15,16,20,22,T35N,R10W,Menefee Fm.Beds A-1,A-2,B-4,HvA or B bit/Production:1980: None/1981: None
  - National King Mine,sec.29,31,32,T35N,R11W,Menefee Fm.Upper Bed:bit/ Production:1980: 92,963 st/1981 thru June: 60,954 st.
  - Raccoon Coal Mine,sec.29,T35N,R11W,Menefee Fm.Pineless Seam:bit/Production:1980: 656 st/1981 thru June: 215 st.
  - Shalako Mine,sec.27,28,29,T35N,R11W,Menefee Fm.Bed A:bit/No production as of June 1981.
- LAS ANIMAS**
- Allen Mine,sec.22 & 23,T33S,R88W,Raton Fm.Allen Seams:sub-bit/Production:1980: 561,727 st/1981 thru June: 291,214 st.
  - Helem Mine,sec.31,32,36,T33S,R84W,Vermejo & Raton Fm.Upper Starville Seam:HvA,B bit/Production:1980: 11,742 st/1981 thru May: 153
  - Maxwell Mine,sec.29,T33S,R87W,Raton Fm.Maxwell Seam:bit/Production:1980: 200,969 st/1981 thru June: 121,126 st.
  - Trinidad Basin,sec.15,21,22,T31S,R85W,Raton Fm.Del Agua Seam:Production:1980: 97,737 st/1981 thru June: 32,345 st.
- MESA**
- Cameo No. 1 Mine,sec.20-23. "T10,11S,R88W,Mt. Garfield Fm.Cameo B Seam:Production:1980: 207,208 st/1981 thru June: 161,707 st.
  - Fruita Mine No. 1,sec.29,30,T6S,R10W,Mt. Garfield Fm.Cameo & Anchor Seams:bit/No production as of June 1981.
  - Fruita Mine No. 2,sec.29,30,T6S,R10W,Mt. Garfield Fm.Cameo & Anchor Seams:bit/Production:1980: 10,737 st/1981 thru May: 2,047 st.
  - Roadside Mine,sec.20-23. "T10,11S,R88W,Mt. Garfield Fm.Cameo B Seam:bit/Production:1980: 547,651 st/1981 thru June: 315,673 st.
- MOFFAT**
- Colowyo Coal Mine,sec.13,22. "T3,4N,R93W,Williams Fork Fm.multiple seams:sub-bit A to HvC bit/Production:1980: 2,682,659 st/1981-June: 1,444,393 st.
  - Eagle No. 5,sec.31,32. "T5,6N,R91W,Williams Fork Fm.Beds C,E,F,sub-bit/Production:1980: 473,773 st/1981 thru June: 235,582 st.
  - Eagle No. 9,sec.31,32. "T5,6N,R91W,Williams Fork Fm.Beds C,E,F,sub-bit/Production:1980: 180,259 st/1981 thru June: 33,084 st.
  - Trapper Mine,sec.5,6. "T5,6N,R90,91W,Williams Fork Fm.Beds H,I,O,R,sub-bit/Production:1980: 2,014,376 st/1981 thru June: 1,092,105 st.
- MONTROSE**
- Nucia Strip,sec.25,31,36,T47N,R16W,Dakota Fm.Beds 1 & 2:bit/Production:1980: 92,068 st/1981 thru May: 28,323 st.
- PITKIN**
- Bear Creek,sec.31,32. "T8,9,10S,R89,90W,Williams Fork Fm.Bed B,Mv bit/Production:1980: 5,280 st. No production in 1981
  - Coal Basin Mine,sec.31,32. "T9,10S,R89,90W,Williams Fork Fm.Bed B,Mv bit/Production:1980: 130,278 st/1981 thru June: 69,553 st.
  - Dutch Creek #1,sec.31,32. "T9,10S,R89,90W,Mesaverde Grp. Bed B:Mv bit/Production:1980: 156,533 st/1981 thru June: 45,386 st.
  - Dutch Creek #2,sec.31,32. "T9,10S,R89,90W,Williams Fork Fm.Dutch Creek Seam:Mv bit/Production:1980: 181,144 st/1981 thru June: 120,472 st.
  - L.S. Wood,sec.31,32. "T8,10S,R89,90W,Williams Fork Fm.Bed B:Mv bit/Production:1980: 200,930 st/1981 thru June: 140,610 st.
  - North Thompson Creek No. 1,sec.31,35,T8S,R88W,Williams Fork Fm.Bed A:Production:1980: 40,555 st/1981 thru June: 10,665 st.
  - North Thompson Creek No. 3,sec.31,35,T8S,R88W,Williams Fork Fm.Anderson Seam:Production:1980: 1,812 st/1981 thru June: 234 st.
- RIO BLANCO**
- Deserado Mine,sec.1-4. "T2,3N,R101W,Williams Fork Fm.Beds B,B,C,D:sub-bit/No production as of June 1981.
  - Northern No. 1,sec.21,T2N,R93W,Williams Fork Fm.Bed FF:sub-bit/Production:1980: 63,079 st/1981 thru May: 5,800 st.
  - Northern No. 3,sec.21,T2N,R93W,Williams Fork Fm.Bed J:No production as of June 1981.
  - Riama No. 2,sec.29,T2N,R93W,Mesaverde Grp. Bed G:Production:1980: 144,815 st/1981 thru June: 78,884 st.
  - Sulphur Creek,sec.10,T1N,R94W,Williams Fork & lies Fm.multiple beds:Production:1980: None/No production as of June 1981.
- ROUTT**
- Apex No. 2,sec.21,22,T4N,R86W,lies Fm.Lower Pinnacle:Production:1980: 4,257 st/1981 thru June: 1,637 st.
  - Edna Strip,sec.19,30,31. "T4,5N,R85,86W,Williams Fork Fm.multiple beds:Production:1980: 1,026,399 st/1981 thru June: 488,868 st.
  - Energy No. 1,sec.7-10. "T4,5N,R86,87W,Williams Fork Fm.Wedge Seam:sub-bit/Production:1980: 3,337,611 st/1981 thru June: 1,729,354 st.
  - Energy No. 2,sec.7-10. "T4,5N,R86,87W,Williams Fork Fm.Fish Creek Seam:sub-bit/Production:1980: None/1981 thru June: None
  - Energy No. 3,sec.1,2,12. "T5N,R85,86W,Mesaverde Grp. Wedge Seam:sub-bit/Production:1980: None/1981 thru June: None
  - Grassy Creek Coal Mine No. 1,sec.20,21,28. "T5N,R87W,lies Fm.multiple beds:Production:1980: 270,312 st/1981 thru June: 117,166 st.
  - Hayden Gulch,sec. 30,31. "T5,6N,R88W,Williams Fork Fm.multiple beds:Production:1980: 27,940 st/1981 thru June: 9,156 st.
  - Meadows No. 1,sec.11,14,23. "T6N,R87W,lies Fm.Pinnacle Seam:HvC bit/Production:1980: 552,626 st/1981 thru June: 301,679 st.
  - Seneca II,sec.27,34-36. "T5,6N,R87W,Williams Fork Fm.multiple beds:bit/Production:1980: 1,778,916 st/1981 thru June: 575,193 st.
  - Trout Creek No. 2,sec.11,14,23,T6N,R87W,lies Fm.Blacksmith Seam:HvC bit/Not in production as of June 1981.
- WELD**
- Coors Keensburg,sec.25,26,35,36,T3N,R64W,Laramie Fm.Bed No. 7:No production as of June 1981.

\*Additional legal information on data sheets.

## REFERENCES

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- Department of the Interior, Bureau of Land Management. Northwest Colorado Coal Environmental Statement FES 77-1. Site Specific Analysis, 1977.
- Department of the Interior, Bureau of Land Management. Proposed Development of Coal Resources in West-Central Colorado, Final Environmental Statement, Vols. I, II, and III, FES 78-120, 1978.
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BASE MAP FROM U.S.G.S.



## EXPLANATION

- ✱ - Surface Mine
- - Underground Mine
- UNTA REGION - Coal region name
- SOMERSET FIELD - Coal field name
- (blue shaded area) - Approximate coal region boundary
- (black line) - Railroads