

INFORMATION SERIES 2

Desk
Copy
81

COAL MINES OF COLORADO STATISTICAL DATA

Compiled by
David C. Jones and D. Keith Murray



COLORADO GEOLOGICAL SURVEY
DEPARTMENT OF NATURAL RESOURCES
STATE OF COLORADO
DENVER, COLORADO

1976

PRICE \$ 1.00

SCGS-IS-2

INFORMATION SERIES 2

COAL MINES OF COLORADO STATISTICAL DATA

Compiled by
David C. Jones and D. Keith Murray

Supported by U.S. Geological Survey Grant 14-08-001-6-210

CGS LIBRARY



COLORADO GEOLOGICAL SURVEY
DEPARTMENT OF NATURAL RESOURCES
STATE OF COLORADO
DENVER, COLORADO

1976

PRICE \$ 1.00

ADDITIONAL COAL-RELATED INFORMATION CURRENTLY AVAILABLE FROM THE
COLORADO DEPARTMENT OF NATURAL RESOURCES

COLORADO GEOLOGICAL SURVEY:

BULLETIN 34-A	Bibliography, Coal Resources in Colorado by R. D. Holt, 1972		\$ 1.00
BULLETIN 37	Bibliography and Index of Colorado Geology, 1875 to 1975. American Geological Institute, 1976, 488 p., 3 fig. Mailing and Handling \$1.00 each copy	Softbound Hardbound	7.50 10.00
SPECIAL PUBLICATION 3	1972 Summary of Coal Resources in Colorado by A. L. Hornbaker and R. D. Holt, 1973		1.00
MAP SERIES 1	Geologic, Energy and Mineral Resources Maps of Routt County, Colorado; 2 sheets, scale 1:126,720 (1/2" = 1 mi) by A. E. Miller, 1975		5.00
MAP SERIES 6	Energy Resource Development Map of Colorado by D. K. Murray, 1976, scale 1:500,000		3.50
INFORMATION SERIES 1	Coal Mines and Coal Fields of Colorado compiled by David C. Jones, 1976 (map showing locations of all active and abandoned surface and underground mines; scale 1:500,000)		2.50
GEOLOGIC MAP OF COLORADO	U.S. Geological Survey, 1935 Reprinted by Colorado Geological Survey, 1975 (scale 1:500,000)		5.00 (\$6.50 mailed, rolled)
COLORADO STRATIGRAPHIC CORRELATION CHART	by R. H. Pearl and D. K. Murray		0.25
MINERAL AND WATER RESOURCES OF COLORADO	U.S. Geological Survey and Colorado Mining Industrial Development Board, 1968		2.00

COLORADO DIVISION OF MINES:

Coal 1975 (annual summary)		1.00
COAL MINING LAWS, STATE OF COLORADO (according to Colorado Revised Statutes, 1963, as amended)		0.75

COLORADO STATE BOARD OF LAND COMMISSIONERS:

SUMMARY OF TRANSACTIONS, JULY 1, 1975 - JUNE 30, 1976 (fiscal year summary)		-
COLORADO STATE LANDS, MINING RULES AND REGULATIONS		1.00

CONTENTS

Table I. Colorado coal mines active in 1974-1975 1

Table II. Range of analyses of coal from active
mines in Colorado (1975). 6

Table III. Colorado coal mines with cumulative
production in excess of one million short
tons (closed mines), together with all open
mines (regardless of total production to date). 8

Table IV. Colorado surface coal mines, 1909-1975 26

PREFACE

These compilations were prepared as part of the Mineral Fuels Section's work on the coal resources component of the "Energy Resources Map of Colorado," a cooperative State-Federal project funded by U.S. Geological Survey Grant No. 14-08-001-6-210 (estimated publication date: late 1976). The Colorado Geological Survey has decided that it is in the public's best interest to utilize this less formal open-file medium to make these interim data tabulations available as quickly as possible.

We hope to publish a more comprehensive, updated 1975 Summary of Coal Resources in Colorado within the next few months. The more formal report will include production figures through 1975 and the latest available information on current or planned industry activity in the eight coal regions of the state.

ACKNOWLEDGMENT

Andrew E. Deborski and Marjorie T. Sutton, of the Colorado Division of Mines, provided much useful assistance in this compilation.

The continuing support of Dr. W. R. Keefer, U.S. Geological Survey, Denver, who initiated this grant project, is gratefully acknowledged.

The compilers, however, take full responsibility for any errors that might appear in these tabulations. We would be most appreciative if the users of this information would notify us of any errors or omissions so that our planned update will be as accurate as possible.

- D. Keith Murray
Chief, Mineral Fuels Section

COLORADO COAL MINES
ACTIVE IN 1974-1975

TABLE I
Page 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14				
COUNTY MINE NAME Operator/Company	COAL REGION (Area)	MINE LOCATION Sec, Twp, Rge	MINE TYPE	CAR- RIER	NAME OF MINED BED (Fm)	COAL THICKNESS (ft)	COAL RANK	MAJOR USE OF COAL	NO DAYS WORKED IN 1974	AVERAGE NO. OF EMPLOYEES IN 1974	STATED DAILY CAPACITY (TONS)	AVG. DAILY PRODN '74 (tons)	TOTAL PRODN IN '74 (tons)	CUMULATIVE PRODN TO 1/1/75 (tons)	PRODN 1ST HALF 1974 (tons)	PRODN 1ST HALF 1975 (tons)	REMARKS
<u>DELTA</u> COALBY NO. 2 Colorado Consolidated Coal Co.	UINTA (Pacnia)	14-13S-95W	U*	-	Hollins (Mesa- verde)	4.0	B*		0	0	0	0	0	0	0	Licensed 1973	
CONVERSE Colorado Consolidated Coal Co.	UINTA (Pacnia)	24-13S-92W	U	T*	Uncorre- lated (Mesa- verde)	14.1	S*	Steam	14	10	30	251	3,575	19,316	0	500	Re-opened 1974
KING MINE Adolph Coors Co.	UINTA (Pacnia)	9,10,11, 14,15- 13S-91W	U	R (D& SG)	Brook- side & Uncorre- lated (Mesa- verde)	16.0	B		14	8	150	148	2,068	2,996,239	2,068	0	Bought by Coors 1/74 Gassy
<u>FREMONT</u> BLACK DIAMOND STRIP Cañon Coal Corp.	CANON CITY (Cañon City)	24-20S-70W	S	T	Uncorre- lated (Verme- jo)	6.0- 7.0	B				125		1,650	15,360	0	0	1974 production in- cluded with Corley S&A Mine in Colo. Div. of Mines Annual Summary
CEDAR CANON Cedar Cañon Coal Co.	CANON CITY (Cañon City)	2-20S-70W 35-19S-70W	U	R (SF)	Brook- side (Verme- jo)	5.5- 6.1	B		90	8	15	10	904	1,206,476	904	0	
CORLEY S. and A. Cañon Coal Corp.	CANON CITY (Cañon City)	5,7, Sec. 31 18, 19, 30- 20S-69W 1,12,13, 24-20S-70W	S	T	Uncorre- lated (Verme- jo)		B	Steam	286	19	16	404	115,586	247,719	72,872	54,433	
GOLDEN QUALITY NO. 5 Golden Quality Coal Co.	CANON CITY (Cañon City)	2-20S-70W	U	T	Brook- side (Verme- jo)	6.0	B	Steam Dom.	95	2	35	46	4,387	83,219	2,922	3,075	
TWIN PINES Twin Pines Coal Co.	CANON CITY (Cañon City)	1-20S-70W	U	T	Brook- side, Canon City (Vermejo)	6.0	B	Steam Dom.	281	8	125	107	30,154	335,362	15,020	15,938	

COLORADO COAL MINES
ACTIVE IN 1974-1975

TABLE I
Page 2

COUNTY	MINE NAME Operator/Company	COAL REGION (Area)	MINE LOCATION Sec, Twp, Rge	MINE TYPE	CAR-RIER	NAME OF MINED BED (Fm)	COAL THICKNESS (ft.)	COAL RANK	MAJOR USE OF COAL	NO. DAYS WORKED IN 1974	AVG. NO. EMPLOYEES IN 1974	STATED DAILY CAPACITY (tons)	AVG. DAILY PRODN '74 (tons)	TOTAL PRODN '74 (tons)	CUMULATIVE PRODN TO 1/1/75 (tons)	PRODN 1ST HALF 1974 (tons)	PRODN 1ST HALF 1975 (tons)	REMARKS	
<u>GARFIELD</u>	EASTSIDE Louis Bendetti	UINTA (Silt)	24-5S-92W	U	-	Uncor- related (Mesa- verde)	12.5	B		0	0	0	0	0	0	0	0	0	Licensed 12/73
	FOUR MILE Four Mile Coal Co., Inc.	UINTA (Glenwood Springs)	34-7S-89W	U	T	"A", "C", & "D" (Mesa- verde)	8.5	SB	Dom. & Comm.	213	1	7	6	1,341	642,031	604	527		
	NU-GAP NO. 3 Henry Bendetti Coal Co.	UINTA (Glenwood Springs)	24-5S-92W	U	T	Sunny Ridge (Mesa- verde)	6.5	B	Dom.	108	1	4	4	466	4,832	338	288		
<u>GUNNISON</u>	BEAR Bear Coal Co.	UINTA (Paonia)	9,16-13S- 90W	U	R	Juan- ita "C" Coal Basin "B" (Mesa- verde)	8.0	B	Coke	217	49	700	619	134,332	2,630,386	62,115	90,282		
	HAWKS NEST NO. 3 Northwest Coal Corp,	UINTA (Somerset)	1,2,10,11, 12-13S-90W	U	R	"E" (Mesa- verde)	9.0	B	Coke	237	76	1,300	1,070	253,549	914,221	147,956	127,601	Metallurgical uses.	
	O.C. MINE NO. 2 O.C. Mine Co.	UINTA (Gunnison)	16-15S-86W	U	T	Subler (Mesa- verde)	6.0	B	Dom. & Comm.	224	5	20	13	2,960	54,432	1,522	1,228		
<u>SOMERSET</u>	U.S. Steel Corp., Western District-Coal	UINTA (Somerset)	2 to 10-12S- 90W 9-13S-90W	U	R	Somer- set "B") Somer- set "C" (Mesa- verde)	9.0 18.0	B	Coke	238	251	4,100	3,650	868,695	18,551,115	492,334	521,480	Largest underground mine in state (cap- tive-U.S. Steel, Provo, Utah)	

COLORADO COAL MINES
ACTIVE IN 1974-1975

TABLE I
Page 3

1	2	3	4	5	6	7	8	9	10	11	12	13	14				
COUNTY MINE NAME Operator/Company	COAL REGION (Area)	MINE LOCATION Sec, Twp, Rge	MINE TYPE	CAR- RIER	NAME OF MINED BED (Formation)	COAL THICKNESS (ft.)	COAL RANK	MAJOR USE OF COAL	NO. DAYS WORKED IN 1974	AVG. NO. PISTONS IN 1974	STATED DAILY CAPACITY (tons)	AVG. DAILY PRODN '74 (tons)	TOTAL PRODN '74 (tons)	CUMULATIVE PRODN TO 1/1/75 (tons)	PRODN 1ST HALF 1974 (tons)	PRODN 1ST HALF 1975 (tons)	REMARKS
<u>JACKSON</u>																	
CANADIAN STRIP Ralph Flesch & Son, Inc. (Canadian Coal Co.)	NORTH PARK (Walden)	2-8N-78W	\$		Sudduth (Coalmont)	40.0	SB	Steam	27	2	0	0	0	0	12,004		Opened 1974
GRIZZLY CREEK Sunflower Energy (Resource Exploration & Mining, Inc.)	NORTH PARK (Walden)	32-7N-80W	\$	T&R (D&RG)	Uncorre- lated (Coalmont)	25.0	SB	Steam	9	0	0	0	0	0	29,487		Opened 1974
MARR STRIP NO. 1 Kerr Coal Co. (T.M.C.)	NORTH PARK (Walden)	26,35-9N- 78W	\$	R (U.P.)	Sudduth (Coalmont)	55.0	SB	Steam	26	6	2,500	303	7,899	7,899	0	110,158	Opened 1974
<u>LA PLATA</u>																	
KING MINE King Coal Co. (I. A. Smith)	SAN JUAN (Hesperus)	31,32-35N- 11W	0	T	Uncorre- lated (Mesafee)	6.0	B	Dom.	260	7	35	38	9,848	197,260	3,983	5,961	Gassy
PEACOCK Peacock Coal Co.	SAN JUAN (Hesperus)	29-35N-11W	0	T	Uncorre- lated (Mesafee)	6.0	B	Dom.	38	1	40	2	65	73,163	0	0	
<u>LAS ANIMAS</u>																	
ALLAN C.F. & I. Steel Corp.	RATON BASIN (Weston)	14,21,22, 23,25,27, 28-35S-68W	0	R C&W, C&S, D&RC, AT&SP	"Allan" or "Ciruela" (Raton)	5.0	B	Coke	254	501	5,000	2,125	539,845	13,943,675	305,362	313,583	Captive Mine CF&I Steel Pueblo, CO
<u>MESA</u>																	
C.M.C. MINE Cambride Mining Corp.	UINTA (Palsade)	34-10S-98W	U	T	Uncorre- lated (Mesaverde)	7.0	B	Steam	0	0	90	0	0	128,096	0	38,446	
<u>MOFFAT</u>																	
RED WING Colowyo Coal Co.	UINTA (Craig)	34,35-4N- 93W	U	T	A-G & Colum (Mesaverde)	21.0	B		30	45	850	958	28,741	3,338,810	28,741	0	Closed 1974
WILLIAMS FORK STRIP NO. 1 Empire Energy Corp. (Brasel & Sims Coal Co.)	GREEN RIVER (Craig)	6-5N-91W 30,31,32- 6N-91W	\$	T	Uncorre- lated (Mesaverde)	6.0- 10.0	B	Steam	0	0	0	0	0	0	0	73,380	Opened 1975
WISE HILL NO. 5 Silengo Coal Co. (Division of Empire Energy Corp.)	GREEN RIVER (Craig)	31-6N-91W	U	T	Uncorre- lated (Mesaverde)	12.0- 14.0	B	Steam Dom.	281	51	1,000	754	212,010	530,019	51,475	121,450	

COLORADO COAL MINES
ACTIVE IN 1974-1975

TABLE I
Page 4

COUNTY	COAL REGION	MINE LOCATION	MINE TYPE	CARRIER	NAME OF MINED BED (Formation)	COAL THICKNESS	COAL RANK	MAJOR USE OF COAL	NO. DAYS WORKED IN 1974	AVG. NO. EMPLOYEES IN 1974	STATED DAILY CAPACITY (tons)	AVG. DAILY PRODN '74 (tons)	TOTAL PRODN '74 (tons)	CUMULATIVE PRODN TO 1/1/75 (tons)	PRODN 1ST HALF 1974 (tons)	PRODN 1ST HALF 1975 (tons)	REMARKS
Operator/Company	(Area)	Sec, Twp, Rge															
<u>MONTRÖSE</u>																	
NUCLA STRIP Peabody Coal Co.	SAN JUAN (Naturita)	25-47N-16W	S	T	Uncorre- lated (Dakota)	5.5	B	Steam	303	16	500	352	106,723	1,219,586	52,352	51,814	Nucla mine mouth power plant
<u>PITKIN</u>																	
BEAR CREEK Mid-Continent Coal and Coke Co.	UINTA (Carbondale)	21-10S-89W	U	R (D&RG)	Coal Basin "B" (Mesaverde)	7.0	B	Coke	277	64	400	579	160,507	438,029	100,397	60,564	Gaspy
COAL BASIN Mid-Continent Coal and Coke Co.	UINTA (Carbondale)	5,6,7,8- 10S-89W	U	R (D&RG)	Sunshine, Coal Basin "B" (Mesaverde)	7.0	B	Coke	277	38	400	412	114,242	1,126,997	46,299	39,905	Closed 1908 Reopened 1973
DUTCH CREEK NO. 1 Mid-Continent Coal and Coke Co.	UINTA (Carbondale)	17-10S-89W	U	T	Coal Basin "B" (Mesaverde)	7.0	B	Coke	276	41	500	168	46,430	5,521,850	30,182	50,479	
DUTCH CREEK NO. 2 Mid-Continent Coal and Coke Co.	UINTA (Carbondale)	17-10S-89W	U	R (D&RG)	Coal Basin "V" (Mesaverde)	7.0	B	Coke	277	59	350	609	168,747	503,124	61,993	118,286	
THOMPSON CREEK NO. 1 Anschutz Coal Co.	UINTA (Carbondale)	34,35-8S- 89W	U	T	A & B (Mesaverde)	-	B	Coke	0	0	0	0	0	1,079,156	0	0	Closed 1966 Reopen 1975
THOMPSON CREEK NO. 3 Anschutz Coal Co.	UINTA (Carbondale)	34-8S-89W	U	T	Anderson (Mesaverde)	-	B	Coke	0	0	0	0	0	672,206	0	0	Closed 1966 Reopen 1975
L.S. WOOD Mid-Continent Coal and Coke Co.	UINTA (Carbondale)	8-10S-89W	U	R (D&RG)	Coal Basin "B" (Mesaverde)	7.0	B	Coke	276	76	500	1,362	378,062	2,612,711	203,612	203,117	
<u>RIO BLANCO</u>																	
RIENAU NO. 2 American Fuels Corp.	UINTA (Meeker)	29-2N-93W	U	T	Uncorre- lated (Mesaverde)	24.0	B	Dom. Comm.	196	9	100	60	11,765	29,090	3,163	2,871	
<u>ROUTT</u>																	
APEX NO. 2 Routt Mining Corp.	GREEN RIVER (Oak Creek)	22-4N-86W	U	T	Pinnacle (Mesaverde)	4.5	B	Dom. Comm.	268	6	100	42	11,282	102,208	5,646	9,642	

COLORADO COAL MINES

ACTIVE IN 1974-1975

TABLE I

Page 5

COUNTY	COAL REGION	MINE LOCATION	MINE TYPE	CARRIER	NAME OF MINED BED (Formation)	COAL TENSILE STRENGTH	COAL RANK	MAJOR USE OF COAL	NO. DAYS WORKED IN 1974	Avg. NO. EMPLOYEES IN 1974	STATED DAILY CAPACITY (tons)	AVG. DAILY PRODN '74 (tons)	TOTAL PRODN '74 (tons)	CUMULATIVE PRODN TO 1/1/75 (tons)	PRODN 1ST HALF 1974 (tons)	PRODN 1ST HALF 1975 (tons)	REMARKS
ROUTE																	
EDNA STRIP The Pittsburg & Midway Coal Mining Co.	GREEN RIVER (Oak Creek)	7,18-4N-85W-12,13,14,19,23,24,25-9N-86W	S	R	Wadge & Lennox (Mesaverde)	6.0	B	Steam	343	69	4,500	3,306	1,134,089	11,398,782	540,476	187,402	
ENERGY STRIP NO. 1 Energy Fuels Corp.	GREEN RIVER (Steamboat Springs)	8,9,17,18-4N-86W-32,33-5R-86W	S	R	Wadge (Mesaverde)	7.5	B	Steam	320	80	3,781	3,875	1,240,150	6,895,125	630,391	343,310	Largest prod'g. mine in state
ENERGY STRIP NO. 2 Energy Fuels Corp.	GREEN RIVER (Steamboat Springs)	19,25,30-5N-87W	S	R	Fishcreek (Mesaverde)	4.6	B	Steam	320	23	1,690	1,797	575,393	783,400	116,673	488,284	
ENERGY STRIP NO. 3 Energy Fuels Corp.	GREEN RIVER (Steamboat Springs)	1,2,12,13-5N-86W	S	-	Wadge (Mesaverde)	9.0-10.0	B	Steam	84	26	0	0	0	0	0	90,000	Opened 1974
BENECA STRIP NO. 2 Seneca Coals, Ltd.	GREEN RIVER (Mt. Harria)	26,27,34-35-6N-87W	S	T	Wadge (Mesaverde)	9.0	B	Steam	247	26	3,000	2,012	496,985	3,736,438	321,921	299,536	
WELD																	
EAGLE The Imperial Coal Co.	DENVER BASIN (Erie)	14,15,22-1N-68W	U	R	Laramie#3 (Laramie)	6.0-10.0	SB	Steam & Domestic	170	62	900	988	167,909	1,758,500	124,924	102,944	
LINCOLN Adolph Coors Co.	DENVER BASIN (Erie)	18,19-1N-67W-13,24-1N-68W	U	R	Uncorred (Laramie)	11.0	SB		127	70	0	1,042	132,386	3,420,417	132,300	0	Casey; Coors bght. in 7/74 from Clayton Coal Co. - Temp. closed
Abbreviations:									TOTALS	1,736	32,947	27,112	6,960,686	93,217,269	3,558,045	3,567,975	
B - Bituminous	R - Railroad	SB - Sub-bituminous	S - Surface	T - Truck	U - Underground	U.P. - Union Pacific Railroad	D&RG - Denver & Rio Grande Railroad	Data Source: Colorado Division of Mines, Colorado Geological Survey									
										Compiled by: David C. Jones							
										Mineral Fuels Section COLORADO GEOLOGICAL SURVEY August, 1975							
										Supported by U.S. Geological Survey Grant No. 14-08-001-6-210							

RANGE OF ANALYSES OF COAL FROM ACTIVE MINES IN COLORADO (1975)
 (Sources: U.S. Bureau of Mines coal data bank; various published and unpublished sources)

TABLE II
Page 6

MINE NAME (TYPE: UNDERGROUND OR STRIP)	NAME OF COAL BED	TYPE OF SAMPLE	YEAR(S) ANALYZED	RAW OR WASHED SAMPLE	MAJOR USE OF COAL	MOISTURE %	VOLATILE MATTER	FIXED CARBON	ASH %	SULFUR %	PREDOMINANT FORM OF SULFUR	BTU VALUE		
												AS-RECEIVED	MOISTURE-FREE	MOISTURE / ASH-FREE
COUNTY: DELTA														
Coalby No. 2	(U)		(none available to date)											
Converse	(U)		(none available to date)											
FREMONT														
Black Diamond Strip	(S)	Brookside Calc.-R.O.M.	1948	raw	steam	9.9-13.1	38.2	53.4	7.9-17.1	0.3-0.6	organic	10,000- 11,230	12,520	13,820
Corlay S. and A.	(S)	Brookside Tipple	1945	raw	steam	9.2-14.2			8.8-16.1	0.4-1.5	organic	9,870- 11,940		
Golden Quality No. 5	(U)	Brookside T-calc.-ROM	1957 & 59	raw	steam	9.9-10.7	36.8-39.0	51.0-54.0	7.4-10.4	0.4-0.5		10,920- 11,400	12,230- 12,720	13,540- 13,740
Twin Pines	(U)	Brookside Tipple-calc	1958-60	raw	steam	10.6-11.7	36.2-36.7	51.5-55.2	7.3-12.8	0.6		10,560- 11,310	11,810- 12,810	13,510- 13,820
GARFIELD														
Four Mile	(U)		(none available to date)											
Nu-Gap No. 1	(U)		(none available to date)											
GUNNISON														
Bear	(U)	Juanita "C" calc.RDM "T" Tipple, ROM	1945-1964 & 1966	raw	coking	4.5-7.0	39.6-42.4	50.7-55.4	2.8-8.9	0.4-1.0	organic	12,170- 13,430	13,070- 14,050	14,250- 14,550
Hawk's Nest No. 3	(U)	"E" Tipple-calc	1942-65	raw	coking	4.4-7.1	42.0	54.3	3.2-9.1	0.4-0.6	organic	12,400- 13,400	13,990	
O.C. Mine No. 2	(U)	Baldwin T-ROM Crushed	1944 & 58	raw	steam (?)	9.7-10.1	42.1	51.9	4.3-6.0	0.5-0.6	organic	11,400	13,110	13,950
		T-Lump	1948	raw		11.1	40.1	54.2	5.6	0.6		11,750	13,220	14,000
Somerset	(U)	"b" T-calc. ROM	1942-55	raw	coking	3.8-8.2	39.2-40.0	50.3-51.8	7.9-12.0	0.4-0.5	organic	12,070- 12,970	13,030- 14,240	14,510- 14,840
		"c" T-calc. ROM	1942-51	raw		4.5-6.9	37.8-40.4	50.0-55.4	3.5-12.2	0.5-0.8	organic	11,980- 13,240	12,880- 13,880	14,440- 14,560
JACKSON														
Canadian Strip	(S)	Sudduth T-calc. ROM	1975	raw	steam	14.5-16.2	27.4-32.9	38.9-49.1	2.8-19.2	0.1-0.2	organic	8,580- 10,990	10,040- 12,990	12,840- 13,500
Grizzly Creek Strip	(S)		(none available to date)											
Wark Strip No. 1	(S)	Sudduth T-ROM	1947 & 75	raw	steam	11.0-14.4	34.4-38.3	41.5-48.3	2.1-10.8	0.2-0.7	organic	10,940- 11,280	11,480- 12,980	13,070- 13,600
LA PLATA														
King	(U)	Uncorrelated T-Calc.RDM	1944-1964	raw	domestic	3.7-5.5	39.6-41.2	50.2-54.9	4.1-9.8	0.7-2.0		12,720- 13,380	13,210- 14,220	14,580- 14,830
Peacock	(U)	Heperus T-Calc.RDM	1944-59	raw		3.5-10.7	39.6-41.3	49.1-56.3	3.4-11.3	0.6-4.2	pyritic	13,340- 13,790	12,560- 13,790	14,790
LAS ANIMAS														
Allen	(U)		(none available to date)									13,100		
MESA														
C.M.C.	(U)		(none available to date)											
MOFFAT														
Williams Fork Strip No. 1	(S)		(none available to date)											
Wise Hill No. 5	(U)		(none available to date)											
MONTROSE														
Nucla Strip	(S)	Uncorrelated Ave. of 5 drill holes	1974		steam	2.4-13.5	33.3	54.5	6.1-12.8	0.5-1.1		10,010- 13,100		
PITKIN														
Bear Creek	(U)		(none available to date)											
Coal Basin	(U)	Sunshine D-ROM	1908		coking	9.1	23.4	67.1	9.5	0.7		13,980	14,430	
Dutch Creek No. 1	(U)	Coal Basin T-ROM Crushed	1957 & 59	raw	coking	3.0-4.9	22.9-23.0	66.6-69.0	8.1-8.4	0.6-0.7		13,770- 14,110	14,380- 14,550	15,810- 15,830
Dutch Creek No. 2	(U)		(none available to date)											
Thompson Creek No. 1	(U)	"A" T-ROM	1961	raw	coking	3.5	30.3	55.6	14.1	1.2		12,830	13,300	15,480
		"B" T-ROM	1955	raw	coking	2.6	30.8	60.3	8.9	1.0		13,740	14,110	15,490
Thompson Creek No. 3	(U)	Anderson T-ROM Crushed	1955 & 61	raw	coking	2.3-3.6	34.4-34.9	57.5-59.5	7.6-8.1	0.6-0.7		13,580- 13,900	14,100- 14,230	15,140- 15,400
L. S. Wood	(U)		(none available to date)											
RIO BLANCO														
Rienau No. 2	(U)	Rienau T-calc.RDM	1951-58			3.7-14.7	41.3-44.0	51.8-54.3	0.5-4.8	0.5-0.7		11,210- 11,730	13,200- 13,220	13,800- 13,880

RANGE OF ANALYSES OF COAL FROM ACTIVE MINES IN COLORADO (1975)
 (Sources: U.S. Bureau of Mines coal data bank; various published and unpublished sources)

MINE NAME (TYPE: UNDERGROUND OR STRIP)	NAME OF COAL BED	TYPE OF SAMPLE	YEAR(S) ANALYZED	RAW OR WASHED SAMPLE	MAJOR USE OF COAL	MOISTURE	VOLATILE MATTER	FIXED CARBON	ASH	SULFUR	PREDOMINANT FORM OF SULFUR	BTU VALUE		
												AS RECEIVED	MOISTURE-FREE	MOISTURE & ASH FREE
COUNTY: ROUTT Apex No. 2	(U) Pinnacle	T-calc. ROM	1945 & 67	raw	domestic, ind.	7.9-9.6	40.5-41.6	52.5-54.2	4.0-7.0	0.5-0.6	organic	11,730- 12,180	12,980- 13,390	13,960- 14,020
Edna Strip	(S) Wadge	T-Crush ROM	1947-72	raw	steam	7.7-12.5	37.2-43.3	48.3-54.1	3.3-13.2	0.6-2.1	organic	10,400- 12,080	11,880- 13,450	13,600- 13,920
Energy Strip No. 1	(S) Lennox	T-calc. ROM	1948-56	raw		7.7-11.0	40.5-45.9	48.8-53.6	2.5-8.1	0.6-2.8		11,180- 11,240	11,390- 12,540	11,420- 13,760
Energy Strip No. 2	(S) Wadge	T-crushed ROM	1963 & 68		steam	10.1-10.4	39.1-41.3	50.7-51.8	8.0-9.1	0.5		11,380- 11,380	12,680- 12,680	13,800- 13,800
Energy Strip No. 3	(S)				(none available to date)									
Seneca Strip No. 2	(S)				(none available to date)									
Eagle WELD	(U) Unassociated	ROM T-calc.	1942-54	raw	domestic steam	16.8-23.5	37.1-41.4	51.8-57.5	3.5-8.2	0.2-0.5	organic	9,450- 10,400	12,220- 14,710	13,180- 13,450

Compiled by: David C. Jones
 Colorado Geological Survey
 August, 1975

Supported by U.S. Geological Survey Grant
 No. 14-CG-001-6-210.

COLORADO COAL MINES
MINES WITH CUMULATIVE PRODUCTION IN EXCESS OF ONE MILLION SHORT TONS, PLUS PRESENTLY ACTIVE MINES

TABLE III
Page 8

1	2	3	4	5	6	7	8	9	10	11	12	13	14
COUNTY MINE NAME Operator (last or latest)	LOCATION Sec., Twp. Rge.	REGION Field (Area)	Coal Bed Name (Formation)	Coal Rank	Coal Thickness (ft.)	Thickness of cover (ft.)	Shaft Slope D-drift	Type of Mine	Methane gas in Mine	Name of railroad at mine	Year Ist produced/ yr. closed	Cumulative prodn as of 1/1/75 (short tons)	REMARKS
<u>BOULDER</u> ACME Rocky Mountain Fuel Co.	8,9,16,17, 18-1S-69W	DVR BASIN Boulder- Weld (Louisville)	Lower Acme (Laramie)	SB	3.3-6.7	185	S	U	+	C&S U.P.	1888/1928	1,780,482	
CENTENNIAL (OLD) Centennial Coal Co.	16,17,20, 21-1S-69W	DVR BASIN Bldr-Weld (Superior)	Lower Acme (Laramie)	SB	6.0	280	S	U	-	CB&Q	1906/1931	1,385,229	
CENTENNIAL (NEW) Centennial Coal Co.	10,11,15, 16-1S-69W	DVR BASIN Bldr-Weld (Superior)	Uncorre- lated (Laramie)	SB	5.5	285	S	U	+	CB&Q	1936/1952	1,834,763	
EAGLE MINE Imperial Coal Co. (See 'Eagle' in Weld Co.)	15,16,21, 22-1S-70W	DVR BASIN Bldr-Weld (Lafayette)	Laramie #3 (Laramie)	SB	10.3	270	SL	U	-		1934/1934	3,038	
EVANS Carbon Coal Co.	30,31-2N- 67W	DVR BASIN Bldr-Weld (Longmont)	Lafayette (Laramie)	SB	5.5	150 170	S	U	-	U.P.	1907/1942	1,629,271	
FOX Fox Coal Mining Co.	15,16,21, 22-1S-70W	DVR BASIN Bldr-Weld (Boulder)	Gorham (Laramie)	SB	9.0	130	S	U	-	C&S	1883/1936	1,247,847	
GORHAM McLaughlin Coal Co.	14,15,22,23 -19-70W	DVR BASIN Bldr-Weld (Boulder)	Gorham (Laramie)	SB	5.1-10.0	200	SL	U	-	C&S	1898/1939	1,759,904	
GRANT Rocky Mountain Fuel Co.	19 to 30- 2N-67W	DVR BASIN Bldr-Weld (Ft. Lupton)	Uncorre- lated (Laramie)	SB	5.5-8.0	155-165	S	U	-	U.P.	1914/1939	2,230,143	
HECLA NO. 1 Rocky Mountain Fuel Co.	4,5,8,9- 1S-69W	DVR BASIN Bldr-Weld (Lafayette)	Middle Hecla (Laramie)	SB	5.0-9.0	162	S	U	+	C&S U.P.	1890/1920	1,309,756	Also known as the "Heckler" Mine.
HI-WAY Hi-Way Coal Co.	13,14,23, 26-1S-69W	DVR BASIN Bldr-Weld (Lafayette)	Boulder (Laramie)	SB	6.0-7.0	300	S	U	-	CB&Q	1930/1954	2,339,939	
IMPERIAL The Imperial Coal Co.	10-1N-68W	DVR BASIN Bldr-Weld (Lafayette)	Uncorre- lated (Laramie)	SB	10.0	270-290	S	U	+	U.P.	1927/1972	4,448,788	

COLORADO COAL MINES

MINES WITH CUMULATIVE PRODUCTION IN EXCESS OF ONE MILLION SHORT TONS, PLUS PRESENTLY ACTIVE MINES

COUNTY	LOCATION	REGION	Coal Bed Name	Coal Rank	Coal Thickness	Thickness of cover	S-shaft	Type of Mine	Methane gas in mine	Name of railroad at mine	Year 1st produced/yr. closed	Cumulative prodn as of 1/1/75 (short tons)	REMARKS
MINE NAME	Sec., Twp., Rge.	Field (Area)	(Formation)		(ft.)	(ft.)	SI-slope D-drift						
Operator (last or latest)													
BOULDER INDUSTRIAL Rocky Mountain Fuel Co.	19,30-1S-69W 24,25-1S-70W	DVR BASIN Bldr-Weld (Eldorado Springs)	Industrial (Laramie)	SB	5.9-8.5	165	S	U	-	C&S U.P.	1895/1945	3,994,741	
LINCOLN Adolph Coors Co.	18,19-1N-67W 13,24-1N-68W	DVR BASIN Bldr-Weld (Erie)	Uncorre- lated (Laramie)	SB	8.0	425	S	U	Yes	U.P.	1949/1974	3,420,417	Closed due to high temperature
MITCHELL Northern Coal Co.	35-1N-69W	DVR BASIN Bldr-Weld (Lafayette)	Simpson (Laramie)	SB	7.0-9.0	220	S	U	-	CB&Q	1898/1920	1,151,183	
MONARCH NO. 1 National Fuel Co.	14,23-1S-70W	DVR BASIN Bldr-Weld (Louisville)	Palisade or "Lower Seam" (Laramie)	SB	6.3	140	S	U	-	CB&Q	1902/1918	1,209,217	
MONARCH NO.2 National Fuel Co.	20,21,28-29,32,33-1S-69W	DVR BASIN Bldr-Weld (Louisville)	Uncorre- lated (Laramie)	SB	4.0-7.0	375	S	U	-	C&S	1909/1947	3,263,067	
MORRISON Clayton Coal Co.	9,16-1N-68W	DVR BASIN Bldr-Weld (Lafayette)	Uncorre- lated (Laramie)	SB	6.0-8.0	160	S	U	-	U.P.	1930/1953	2,139,664	
PURITAN National Fuel Co.	2,3,1N-68W 34,35-2N-68W	DVR BASIN Bldr-Weld (Lafayette)	Uncorre- lated (Laramie)	SB	5.0-10.0	110-124	S	U	-	U.P.	1908/1939	5,933,537	
REX NO. 1 Rocky Mountain Fuel Co.	4,5,8,9,16-1S-69W	DVR BASIN Bldr-Weld (Louisville)	Hecla or Acme (Laramie)	SB	4.0-11.0	155	S	U	-	-	1898/1917	1,666,247	Same as "Louisville Dist. Mine"
SHAMROCK Shamrock Coal Co.	26,27,34,35-2N-68W	DVR BASIN Bldr-Weld (Longmont)	Uncorre- lated (Laramie)	SB	7.5	100-110	S	U	-	U.P.	1905/1956	2,167,869	
SIMPSON Rocky Mountain Fuel Co.	2,3-1S-69W 34,35-1N-69W	DVR BASIN Bldr-Weld (Boulder)	Simpson (Laramie)	SB	6.0	225	S	U	-	C&S CB&Q	1898/1926	4,125,693	

COLORADO COAL MINES

MINES WITH CUMULATIVE PRODUCTION IN EXCESS OF ONE MILLION SHORT TONS, PLUS PRESENTLY ACTIVE MINES

1	2	3	4	5	6	7	8	9	10	11	12	13	14
COUNTY	LOCATION	REGION	Coal Bed Name	Coal Rank	Coal Thickness	Thickness of cover	S-shaft SL=slope D=drift	Type of Mine	Methane gas in Mine	Name of railroad at mine	Year 1st produced/ yr. closed	Cumulative prodn as of 1/1/75 (short tons)	REMARKS
MINE NAME	Sec., Twp., Rge.	Field (Area)	(Formation)		(ft.)	(ft.)							
Operator (last or latest)													
BOULDER													
STANDARD Standard Coal Mines, Inc.	1 to 12-1S -69W	DVR BASIN Bldr-Weld (Louisville)	Lower Lafayette (Laramie)	SB	5.5-8.0	320	S	U	-	CE&Q U.P.	1888/1937	2,391,603	
STERLING McNeil Coal Corp.	6,7-1N-67W 31,32-2N- 67W	DVR BASIN Bldr-Weld (Ft. Lupton)	Uncorre- lated (Laramie)	SB	8.0	340-360	S	U	Yes	U.P.	1920/1965	3,536,107	
VULCAN Val Coal Mining Co.	8,10-1S- 69W	DVR BASIN Bldr-Weld (Louisville)	Upper Vulcan (Laramie)	SB	4.0-5.0	180	S	U	-	CE&Q	1903/1937	1,497,059	
WASHINGTON MINE (NEW) Clayton Coal Co.	22,23,26, 27,28-1N- 68W	DVR BASIN Bldr-Weld (Lafayette)	Uncorre- lated (Laramie)	SB	8.0-12.0	430	S	U	Yes	U.P.	1940/1967	4,405,391	
DELTA													
COALBY NO. 2 Colorado Consolidated Coal Co.	14-13S-95W	UINTA Grand Mesa (Paonia)	Rollins (Mesaverde)	B	4.0	-	SL	U	-	-	1973/	0	Licensed 1973
CONVERSE Colorado Consolidated Coal Co.	24-13S-92W	UINTA Somerset (Paonia)	Uncorre- lated (Mesaverde)	SB	14.3	-	D	U	-	-	1913/1935 1974/	19,316	Reopened 1974
KING Adolph Coors Co.	9,10,11,14, 15-13S-91W	UINTA Somerset (Paonia)	Brookside & Uncorrelated (Mesaverde)	B	16.0	2000	SL	U	Yes	D&RG	1903/1974	2,996,239	Bought by Coors 1974, temporarily closed.
EL PASO													
CITY NO. 1 Colorado Springs Coal Co.	28,29,31,32 33-13S-66W	DVR BASIN Colorado Springs (Colorado Springs)	Fox Hills (Laramie)	SB	6.0-20.0	-	SL	U	-	Rock Island	1919/1945	1,220,824	
PIKEVIEW Pikes Peak Fuel Co.	7 to 18- 13S-66W 12,13-13S- 67W	DVR BASIN Fox Hills Colorado Springs (Colorado Springs)	Fox Hills (Laramie)	SB	7.0-14.0	173	S	U	-	D&RG	1900/1957	8,738,174	

COLORADO COAL MINES

MINES WITH CUMULATIVE PRODUCTION IN EXCESS OF ONE MILLION SHORT TONS, PLUS PRESENTLY ACTIVE MINES

TABLE III

Page 11

COUNTY	LOCATION	REGION	Coal Bed Name	Coal Rank	Coal Thickness	Thickness of cover	S-shaft	Type of Mine	Methane gas in mine	Name of railroad at mine	Year last produced/yr. closed	Cumulative prodn as of 1/1/75 (short tons)	REMARKS
MINE NAME Operator (last or latest)	Sec., Twp., Rge.	Field (Area)	(Formation)		(ft.)	(ft.)	SL=slope D=drift						
FREMONT BLACK DIAMOND STRIP Cañon Coal Corp.	24-20S-70W	CAÑON CITY Cañon City (Cañon City)	Uncorre- lated (Vermejo)	B	6.0-7.0	-	-	S	-	-	1973/	15,360	1967-73, known as Cañon Black Diamond Mine
BROOKSIDE MINES (old) Brookside Coal Mining Co.	10,11,14,15 -19S-70W	CAÑON CITY Cañon City (Cañon City)	Brookside (Vermejo)	SB	3.0	-	D	U	-	AT&SF	1893/1947	2,024,370	
CAÑON BLACK DIAMOND Cañon Black Diamond Coal Co.	24-20S-70W	CAÑON CITY Cañon City (Cañon City)	Brookside (Vermejo)	B	6.0-7.0	-	D	U	-	-	1933/1973	1,206,476	
CEDAR CANON Cedar Canon Coal Co.	35-19S-70W 2-20S-70W	CAÑON CITY Cañon City (Cañon City)	Brookside (Vermejo)	B	5.5-6.1	-	D	U	-	SF	1932/1974	1,019,176	
CEDAR CANON #2 Cedar Canon Coal Co.	35-19S-70W	CAÑON CITY Cañon City (Cañon City)	Brookside (Vermejo)	B	-	-	D	U	-	SF	1973/	0	Idle
CHANDLER Victor American Fuel Co.	14,15,16,21, 22,23,26,27- 19S-70W	CAÑON CITY Cañon City (Cañon City)	Chandler (Vermejo)	B	2.5	455	S	U	-	D&RG	1889/1942	5,149,996	
COAL CREEK NOS. 1 & 2 C.F. and I. Steel Corp.	5,19,30,31- 19S-69W 1,31,36- 20S-70W	CAÑON CITY Cañon City (Cañon City)	Uncorre- lated (Laramie)	SB	3.5-5.0	400	S	U	-	AT&SF	1883/1927	4,396,131	
CORLEY S. and A. Cañon Coal Corp.	5,7,18,19, 30,31-20S- 69W 1,12,13,24- 20S-70W	CAÑON CITY Cañon City (Cañon City)	Uncorre- lated (Vermejo)	B	-	-	-	S	-	-	1973/	247,719	
FREMONT Gulliana and Carpina	19,23-19S- 69W 24,25,30- 19S-70W	CAÑON CITY Cañon City (Cañon City)	Uncorre- lated (Laramie)	SB	3.5-4.5	402	S	U	-	D&RG	1896/1927	2,607,177	
GOLDEN QUALITY NO. 5 Golden Quality Coal Co.	2-20S-70W	CAÑON CITY Cañon City (Cañon City)	Brookside (Vermejo)	B	6.0	-	D	U	-	-	1968/	83,219	Idle

COLORADO COAL MINES

MINES WITH CUMULATIVE PRODUCTION IN EXCESS OF ONE MILLION SHORT TONS, PLUS PRESENTLY ACTIVE MINES

TABLE III
Page 12

COUNTY	LOCATION	REGION	Coal Bed Name (Formation)	Coal Rank	Coal Thickness (ft.)	Thickness of cover (ft.)	S-shaft Slope D-drift	Type of Mine	Methane gas in mine	Name of railroad at mine	Year 1st produced/yr. closed	Cumulative prodn as of 1/1/75 (short tons)	REMARKS
<u>FREMONT</u>													
PIONEER CAÑON NOS. 1, 2 & 3 The Corley Co., Inc.	24-208-70W	CAÑON CITY Cañon City & Uncbure (Cañon City) later (Vermejo)	Brookside Cañon City & Uncbure (Vermejo)	B	5.0	-	D	U	-	-	1956/1964	1,072,915	
ROCKVALE NO. 1, 4, 5, 7 C.F. and I. Steel Corp.	19 to 30- 19S-69W 24, 25-19S- 70W	CAÑON CITY Cañon City (Florence)	Rockvale (Vermejo)	B	4.3	320	D	U	-	AT&SF	1883/1898	2,053,948	
ROCKVALE NO. 2 C.F. and I. Steel Corp.	19, 30, 31- 19S-69W 24, 25, 36- 19S-70W	CAÑON CITY Cañon City (Cañon City)	Canon City (Vermejo)	B	5.3-7.3	423 300-350	S	U	-	AT&SF	1899/1934	4,696,156	
ROCKVALE NO. 3 C.F. and I. Steel Corp.	4, 5, 8, 9- 19S-70W	CAÑON CITY Cañon City (Cañon City)	Rockvale (Vermejo)	B	3.5-6.0	-	S	U	-	BT	1931/1952	1,527,136	
TWIN PINES Twin Pines Coal Co.	1-208-70W	CAÑON CITY Cañon City (Cañon City)	Brookside (Vermejo)	SB	6.0	-	SL	U	-	-	1956/	385,362	
<u>GARFIELD</u>													
FOUR MILE Four Mile Coal Co., Inc.	34-75-89W	UINTA Carbondale (Glenwood Springs)	A, C, & D Uncorre- lated (Mesaverde)	SB	8.5	-	SL	U	-	-	1888/1958	642,031	This mine also known as Sunlight or Sun- shine Mine
MIDLAND Rocky Mountain Fuel Co.	33, 34-75- 89W 3-8S-89W	UINTA Carbondale (Glenwood Springs)	A, B, C & D (Mesaverde)	B	6.0-7.0	-	SL	U	-	-	1896/1919	1,286,376	
NEW CASTLE W. E. Coles	30, 31, 32- 58-90W 36-58-91W 1-6S-91W	UINTA Carbondale (Glenwood Springs)	Wheeler (Mesaverde)	B	6.0 (4 seams)	-	D & SL	U	Yes	D&RG	1888/1956	1,345,461	
NU-GAP NO. 3 Henry Bendetti Coal Co.	24-58-92W	UINTA Grand Hogback (Rifle)	Sunny Ridge (Mesaverde)	B	6.5	-	D	U	-	-	1968/	4,832	

COLORADO COAL MINES
MINES WITH CUMULATIVE PRODUCTION IN EXCESS OF ONE MILLION SHORT TONS, PLUS PRESENTLY ACTIVE MINES

TABLE III
Page 13

1	2	3	4	5	6	7	8	9	10	11	12	13	14
COUNTY	LOCATION	REGION	Coal Bed Name (Formation)	Coal Rank	Coal Thickness (ft.)	Thickness of cover (ft.)	S-shaft SL=slope D=drift	Type of Mine	Methane gas in mine	Name of railroad at mine	Year last produced/yr. closed	Cumulative production of (short tons)	REMARKS
Operator (last or latest)	Sec., Twp., Rge.	Field (Area)											
<u>GUNNISON</u>													
ALPINE Alpine Fuel Co.	7,17,18-15S-86W	UINTA Crested Butte (Mt. Carbon)	Lower Baldwin #2, Uncorrelated (Mesaverde)	B	5.9	150	B	D	-	D&RG	1900/1946	2,133,012	
ANTHRACITE MESA C.F. and I. Steel Corp.	17-13S-86W	UINTA Crested Butte (Crested Butte)	Uncorrelated (Mesaverde)	A	5.0	-	D & SL	U	-	D&RG	1884/1906	921,275	
BEAR Bear Coal Co.	9,16-13S-90W	UINTA Somerset (Somerset)	Coal Basin "B" (Juanita "C") (Mesaverde)	B	8.0	-	SL	U	-	D&RG	1932/	2,630,386	
CRESTED BUTTE NO. 1 & 2 C.F. and I. Steel Corp.	3,10,11,15-14S-86W	UINTA Crested Butte (Crested Butte)	Crested Butte (Mesaverde)	B	5.0-25.0	300-400	D & SL	U	-	D&RG	1883/1952	10,068,811	Coal is of coking quality; Railroad has been removed from mine
HAWK'S NEST NO. 3 Western Slope Carbon, Inc.	1,2,10,11,12-13S-90W	UINTA Somerset (Somerset)	"E" Bed (Mesaverde)	B	9.0	-	SL	U	-	D&RG	1970/	914,221	Coal is metallurgical quality
O. C. MINE NO. 2 O. C. Mine Co.	16-15S-86W	UINTA Crested Butte (Gunnison)	Kubler (Mesaverde)	B	5.0	300-800	SL	U	-	D&RG	1952/1954 1968/	54,432	Reopened 1968
OLIVER NO. 1 Oliver Coal Co.	10-13S-90W	UINTA Somerset (Somerset)	"D" Seam (Oliver) (Mesaverde)	B	10.0	-	D	U	-	D&RG	1923/1944	1,154,998	
SOMERSET U. S. Steel Corp., Western District-Coal	2 to 10-12S-90W 9-13S-90W	UINTA Somerset (Somerset)	Somerset 3 "d" & 1B (Mesaverde)	B	9.0-18.0	-	S & BL	U	Yes	D&RG	1903/	18,551,115	
<u>HUERFANO</u>													
ALAMO NO. 1 Alamo Coal Co.	35,36-27S-68W	RAVON BASIN Walsenburg (Walsenburg)	Walsenburg (Cameron) (Vermejo)	B	9.0	600-1800	SL	U	-	D&RG	1923/1936	1,038,952	

COLORADO COAL MINES

MINES WITH CUMULATIVE PRODUCTION IN EXCESS OF ONE MILLION SHORT TONS, PLUS PRESENTLY ACTIVE MINES

TABLE III

Page 14

1	2	3	4	5	6	7	8	9	10	11	12	13	14
COUNTY MINE NAME Operator (last or latest)	LOCATION Sec., Twp., Rge.	REGION Field (Area)	Coal Bed Name (Formation) Seam (Vermejo)	Coal Rank	Coal Thickness (ft.)	Thickness of cover (ft.)	S= shaft SL= slope D= drift	Type of Mine	Methane gas in mine	Name of railroad at mine	Year let produced/ yr. closed	Cumulative prodn as of 1/1/75 (short tons)	REMARKS
HUERFANO BUTTE VALLEY Gordon Coal Co.	25,36-27S- 68W	RATON BASIN Walsenburg (Walsenburg)	Vermejo Seam (Vermejo)	B	8.0	-	SL	U	-	D&RG	1926/1952	1,211,331	Also known as "Alamo No. 2" or "Barbour"
CALUMET NO. 1 Calumet Fuel Co.	9,10,15, 16-27S-67W	RATON BASIN Walsenburg (Walsenburg)	Walsen (Vermejo)	B	3.2-6.4	-	SL	V	-	D&RG	1922/1933	1,944,320	
CALUMET NO. 2 Delcarbon Coal Co., Inc.	4,15,22,23 27S-67W	RATON BASIN Walsenburg (Walsenburg)	Walsen (Vermejo)	B	4.1	-	SL	U	-	D&RG	1924/1971	2,746,431	
CAMERON C.F. and I. Steel Corp.	6,17,18 20,21-28S- 66W	RATON BASIN Walsenburg (Walsenburg)	Cameron (Vermejo)	B	7.0	70	S	U	-	C&S	1883/1930	3,807,954	
GORDEN Skinner Coal Co.	22,23,26, 27-27S-67W	RATON BASIN Walsenburg (Walsenburg)	Cameron (Vermejo)	B	4.0	-	SL	U	-	D&RG	1907/1965	2,239,763	
IDEAL C.F. and I. Steel Corp.	2,3,4-29S- 66W	RATON BASIN Walsenburg (Walsenburg)	Robinson (Vermejo)	B	4.0	-	SL	U	-	C&S	1909/1929	2,507,301	
KEBLER NO. 2 C.F. and I. Steel Corp.	17,18,19, 20-27S-67W	RATON BASIN Walsenburg (Walsenburg)	Kebler or Walsen (Vermejo)	B	8.0-11.0	500-1000	SL	U	-	D&RG	1915/1933	3,825,660	
LESTER C.F. and I. Steel Corp.	19-30-29S- 65W 3,24,25- 29S-66W	RATON BASIN Walsenburg (Walsenburg)	Walsen (Vermejo)	B	5.5-6.2	500	D	U	-	D&RG	1911/1929	2,480,208	
MAITLAND NO. 1 Red Ash Coal Co.	1,6,11-27S- 66W 36-27S-67W	RATON BASIN Walsenburg (Walsenburg)	Lower Robinson (Vermejo)	B	2.8-4.5	-	D	U	-	D&RG	1897/1962	1,823,238	
MIDWAY Union Coal & Coke Co.	19-29S-65W 24,30-29S- 66W	RATON BASIN Walsenburg (Walsenburg)	Uncorro- lated (Vermejo)	B	4.5-6.6	-	SL	U	-	-	1899/1910	1,377,676	
MORNING GLORY Morning Glory Coal Co.	25,26-27S- 67W	RATON BASIN Walsenburg (Walsenburg)	Upper Robinson (Vermejo)	B	5.3	-	SL	U	-	D&RG	1915/1966	1,597,086	

COLORADO COAL MINES

MINES WITH CUMULATIVE PRODUCTION IN EXCESS OF ONE MILLION SHORT TONS, PLUS PRESENTLY ACTIVE MINES

COUNTY	LOCATION	REGION	Coal Bed Name	Coal Rank	Coal Thickness	Thickness of cover	S-shaft SL-slope D-drift	Type of Mine	Methane gas in mine	Name of railroad at mine	Year 1st produced/yr. closed	Cumulative prodn as of 1/1/75 (short tons)	REMARKS
MINE NAME Operator (last or latest)	Sec., Twp., Rge.	Field (Area)	(Formation)		(ft.)	(ft.)							
HUERFANO MUTUAL Mutual Coal Co.	18-28S-66W	RATON BASIN	Walsen Walsenburg (Vermejo) (Walsenburg)	B	7.0	400	S	U	-	D&RG	1913/1932	1,496,728	
OAKDALE Oakdale Coal Co.	9,10,15, 16-29S-69W	RATON BASIN	Mammoth Walsenburg (Vermejo) (Walsenburg)	B	14.0	100-500	D & SL	U	-	D&RG	1907/1940	3,310,051	
PICTOU 1 AND 2 VEINS C.F. and I. Steel Corp.	6,7-28S-66W 1-12-28S-67W 31-27S-66W 36-27S-67W	RATON BASIN	Walsen, Cameron & Upper Robinson (Vermejo)	B	12.0 (3 seams)		D & SL	U	-	D&RG	1889/1953	4,971,359	
PRYOR 1, 2 AND 3 Pryor Coal Mining Co.	18,19-29S-65W 13,24-29S-66W	RATON BASIN	Walsen & Walsenburg Lower Robinson (Vermejo)	B	3.5-5.7		D	U	-	D&RG	1899/1943	2,988,126	
RAVENWOOD Caliente Coal Co.	21,22,23, 26,27,28-28S-66W	RATON BASIN	Cameron, Walsenburg Upper & Middle Robinson (Vermejo)	B	3.0		SL	U	-	G&S	1909/1948	1,625,223	
ROBINSON NO. 4 C.F. and I. Steel Corp.	7,8,9,16, 17,18,19, 20,21-28S-66W	RATON BASIN	Walsen & Walsenburg Cameron (Vermejo)	B	5.0-7.0		SL	U	-	G&S	1888/1946	6,394,630	Also known as the "Old Robinson Mine"
ROUSE (old) C.F. and I. Steel Corp.	1,2,11,12-29S-66W	RATON BASIN	Uncorre- lated Walsenburg (Vermejo)	B	6.0		SL	U	-	D&RG	1888/1899	2,095,239	
ROUSE Taylor Coal Co.	29,31,32-27S-67W	RATON BASIN	Walsen & Walsenburg Cameron (Vermejo)	B	5.5		SL	U	-	D&RG	1905/1920	3,048,940	
ROUSE NO. 4 C.F. and I. Steel Corp.	29,30-29S-65W	RATON BASIN	Uncorre- lated Walsenburg (Vermejo)	B	6.5		SL	U	-	D&RG	1899/1904	1,104,144	Also called the "New Rouse Mine"

COLORADO COAL MINES

MINES WITH CUMULATIVE PRODUCTION IN EXCESS OF ONE MILLION SHORT TONS, PLUS PRESENTLY ACTIVE MINES

COUNTY MINE NAME Operator (last or latest)	LOCATION Sec., Twp., Rge.	REGION Field (Area)	Coal Bed Name (Formation)	Coal Rank	Coal Thickness (ft.)	Thickness of cover (ft.)	S-shaft SL=slope D=drift	Type of Mine	Methane gas in mine	Name of railroad at mine	Year 1st produced/ yr. closed	Cumulative prodn as of 1/1/75 (short tons)	REMARKS
<u>HUERFANO</u>													
RUGBY Rugby Coal Co.	29,30,31, 32-29S-65W 5,8-30S-65W	RATON BASIN Walsenburg (Walsenburg)	#2 Middle Group (Vermejo)	B	3.0		SL, D	U	-	C&S D&RG	1898/1944	1,373,292	Also called the "Old or "Torrid Mines"
SUNNYSIDE Elk Hart Coal Co.	8,9,10-27S -67W	RATON BASIN Walsenburg (Walsenburg)	Walsen & Cameron (Vermejo)	B	5.7-6.0	250-350	SL	U	-	C&S D&RG	1904/1932	1,383,837	
TOLTEC Aztec Coal Co.	5,6,7,8- 28S-66W	RATON BASIN Walsenburg (Walsenburg)	Robinson, Walsen, Cameron (Vermejo)	B	3.5	600-615	D	U	-	D&RG	1894/1944	1,856,837	
WALSEN C.F. and I. Steel Corp.	7,8,17,18- 28S-66W	RATON BASIN Walsenburg (Walsenburg)	2 seams (Vermejo)	B	5.0-7.5		D	U	-	D&RG	1884/1925	6,806,177	
<u>JACKSON</u>													
CANADIAN STRIP Ralph Flesch & Son, Inc.	2-8N-78W	NORTH PARK North Park (Walden)	Sudduth (Coalmont)	SB	40.0		-	S	-	U.P.	1974/	0	
GRIZZLY CREEK Sunflower Energy	32-7N-80W	NORTH PARK North Park (Walden)	Uncorre- lated (Coalmont)	SB	25.0		-	S	-	D&RG	1975/	0	Opened 1975
MARR STRIP NO. 1 Kerr Coal Co.	26,35-9N- 78W	NORTH PARK North Park (Walden)	Sudduth (Coalmont)	SB	55.0		-	SL	-	U.P.	1974/	7,899	
<u>JEFFERSON</u>													
LEYDEN Leyden Coal Co.	26,27-2S- 70W	DVR BASIN Bldr-Weld (Denver)	Uncorre- lated (Laramie)	SB	9.0	792	S	U	-	DN&P	1903/1910	1,310,680	
LEYDEN NO. 3 Leyden Lignite Co.	21,22,26, 27,28,34- 2S-70W	DVR BASIN Bldr-Weld (Denver)	Leyden (Laramie)	SB	7.8	700-792	S	U	-	Dvr Inter. RR	1912/1950	3,722,344	

COLORADO COAL MINES

MINES WITH CUMULATIVE PRODUCTION IN EXCESS OF ONE MILLION SHORT TONS, PLUS PRESENTLY ACTIVE MINES

TABLE III

Page 17

8	9	10	11	12	13	14							
COUNTY MINE NAME Operator (last or latest)	LOCATION Sec., Twp., Rge.	REGION Field (Area)	Coal Bed Name (Formation)	Coal Rank	Coal Thickness (ft.)	Thickness of cover (ft.)	S-shaft SL=slope D=drift	Type of Mine	Methane gas in mine	Name of railroad at mine	Year 1st produced/ yr. closed	Cumulative prodn as of 1/1/75 (short tons)	REMARKS
LA PLATA													
KING MINE King Coal Co.	31.32-35N- 11W	SAN JUAN Durango (Hesperus)	Uncorre- lated (Menefee)	B	6.0	-	D	U	Yes	-	1939/	197,250	
PEACOCK Peacock Coal Co.	29-35N-11W	SAN JUAN Durango (Hesperus)	Uncorre- lated (Menefee)	B	6.0	-	D	U	-	-	1922/	73,163	No prod. in 1975
LAS ANIMAS													
ALLEN C.F. and I. Steel Corp.	14,21,22, 23,26,27, 28-33S-68W	RATON BASIN Trinidad (Trinidad)	Allen or "Circuela" (Raton)	B	5.0	-	SL	U	-	AT&SF C&S Colo & Wyo D&RG	1951/	13,943,673	Coal is coking quality
BEAR CANON NO. 6 Bear Cañon Coal Co.	2,11,12- 32S-65W	RATON BASIN Trinidad (Trinidad)	Casa (prob- ably Bear Canyon #6) (Raton)	B	5.0	100-150	SL	U	-	C&S D&RG	1924/1953	1,243,033	
BERWIND C.F. and I. Steel Corp.	30,31-31S- 64W 6-32S-64W 1-32S-65W 23,36-31S-65W	RATON BASIN Trinidad (Trinidad)	Berwind (Lower Ludlow Vermejo)	B	5.0-6.0	-	D	U	-	C&S	1892/1928	8,973,054	
BONCARBO American Smelting and Refining Co.	31,32,36- 32S-65W 5,6-33S-65W	RATON BASIN Trinidad (Trinidad)	Primeyc (Vermejo)	B	5.2	150-500	D	U	-	D&RG	1917/1947	4,492,255	Coal was coking quality
BOWEN Home Fuel and Supply Co.	23,24,25, 26-32S-64W	RATON BASIN Trinidad (Trinidad)	Uncorre- lated (Vermejo)	B	7.0-8.0	-	D	U	-	-	1899/1943	2,727,401	
BRODHEAD NO. 9 Temple Fuel Co.	17,18,19, 20-30S-65W	RATON BASIN Trinidad (Trinidad)	Brodhead #4 (Uncorre- lated) (Vermejo)	B	4.0	700	SL	U	-	C&S D&RG	1911/1939	2,117,693	
COKE DALE NO. 1 AND 2 American Smelting and Refining Co.	25,30,31, 36-33S- 65W	RATON BASIN Trinidad (Trinidad)	Cokedale (Vermejo)	B	6.0-7.0	40-60	D	U	-	D&RG	1907/1919	2,958,475	
DELAGUA Victor American Fuel Co.	3,4,9,10, 11,15,16,2 22-31S-65W	RATON BASIN Trinidad (Trinidad)	Delagua (Raton)	B	4.0-5.5	300-700	SL	U	-	C&S	1903/1952	15,857,116	Also known as the "Old Delagua." Coal is semi-caking quality

COLORADO COAL MINES

MINES WITH CUMULATIVE PRODUCTION IN EXCESS OF ONE MILLION SHORT TONS, PLUS PRESENTLY ACTIVE MINES

TABLE III

Page 18

COUNTY	LOCATION	REGION	Coal Bed Name	Coal Rank	Coal Thickness (ft.)	Thickness of cover (ft.)	S-shaft Slope D-drift	Type of Mine	Methane gas in mine	Name of railroad at mine	Year last produced/yr closed	Cumulative prodn as of 1/1/75 (short tons)	REMARKS
MINE NAME Operator (last of latest)	Sec., Twp., Rge.	Field (Area)	(Formation)										
<u>LAS ANIMAS</u>													
DIX Dick Coal Co.	5,6,7,8- 33S-65W	RATON BASIN Trinidad (Trinidad)	Caas (Primero) (Vermejo)	B	5.3	-	SL	U	-	D&RG	1921/1947	1,095,551	
EMPIRE Empire Coal Co.	28,29,30, 33,34-30S- 65W	RATON BASIN Trinidad (Trinidad)	Walden (Vermejo) (Trinidad)	B	5.6-6.0	600	SL	U	-	C&S	1907/1935	1,257,407	
ENGLE Deldosso Coal Co.	28,29,30, 31,32,36- 33S-63W	RATON BASIN Trinidad (Trinidad)	Engle (Vermejo) (Trinidad)	B	6.5	-	U	U	-	D&RG	1894/1935	4,626,983	Also known as the "Engleville Mine." Coal was of coking quality.
FORBES NO. 1-7 W. E. Riggs	9,10,15, 16-32S-64W	RATON BASIN Trinidad (Trinidad)	Forbes (Vermejo) (Trinidad)	B	3.0-6.0	-	SL	U	-	C&S	1899/1932	2,083,940	
FREDERICK C.F. and I. Steel Corp.	31,32-33S- 65W 5,6,7,8,9, 17-34S-65W	RATON BASIN Trinidad (Trinidad)	Frederick (Vermejo) (Trinidad)	B	3.5-3.0	-	U	U	Yes	Colo & Wyo	1907/1960	20,172,962	Coal was of coking quality.
GREY CREEK NO. 1 through 6 Victor American Fuel Co.	34,35-33S- 63W 2,3-34S-63W	RATON BASIN Trinidad (Trinidad)	Uncorre- lated (Vermejo)	B	5.0	-	U	U	-	C&S D.P.	1888/1921	3,515,808	Coal was of coking quality.
GREENVILLE Cedar Hill Coal and Coke Co.	30-31S-64W	RATON BASIN Trinidad (Trinidad)	Berwind (Vermejo)	B	6.0-7.0	-	SL	U	-	C&S	1903/1927	1,123,273	
HASTINGS NO. 1 Victor C. & C. Co.	24,25-31S- 65W	RATON BASIN Trinidad (Trinidad)	Berwind- Hastings (Vermejo)	B	5.0	-	U	U	-	-	1899/1905	1,112,920	
HASTINGS NO. 2 Victor C. & C. Co.	13 to 24 -31S-65W	RATON BASIN Trinidad (Trinidad)	Berwind- Hastings (Vermejo)	B	6.0-7.0	-	SL & D	U	-	-	1900/1906	4,081,730	Also known as "Victor No. 1 & 2."
HASTINGS NO. 4 Victor American Fuel Co.	13,23,24- 31S-65W	RATON BASIN Trinidad (Trinidad)	Berwind- Hastings (Vermejo)	B	8.0	800	U	U	Yes	C&S	1907/1923	2,825,678	
KENNETH Hall Coal Co.	30-30S-64W 5,8,25- 30S-65W	RATON BASIN Trinidad (Trinidad)	Robinson (Rabeon) (Vermejo)	B	3.5-5.0	-	SL	U	-	C&S D&RG	1909/1949	1,709,379	

COLORADO COAL MINES

MINES WITH CUMULATIVE PRODUCTION IN EXCESS OF ONE MILLION SHORT TONS, PLUS PRESENTLY ACTIVE MINES

TABLE III

Page 19

1	2	3	4	5	6	7	8	9	10	11	12	13	14
COUNTY	LOCATION	REGION	Coal Bed	Coal	Coal	Thickness	S-shaft	Type of	Methane	Name of	Year Ist	Cumulative	R E M A R K S
MINE NAME	Sec., Twp.,	Field	Name	Rank	Thickness	of cover	Slope	Mine	gas in	railroad	produced/	prodn as of	
Operator (last or latest)	Rge.	(Area)	(Formation)		(ft.)	(ft.)	D=drift		mine	at mine	yr. closed	1/1/75	(short tons)
<u>LAS ANIMAS</u>													
LUDELOW MINES 1, 2 and 3 Huerfano Coal Co.	31, 32-31S-64W 5, 6-32S-64W	RATON BASIN Trinidad (Trinidad)	Hastings & Berwind (or Upper & Lower Lud- low) (Vermejo)	B	4.0-6.0	-	SL	U	-	C&S	1903/1952	3,196,176	
MAJESTIC Majestic Fuel Co.	9, 10-32S-64W	RATON BSN Trinidad (Trinidad)	Uncorre- lated (Vermejo)	B	5.0	120	D	U	-	-	1900/1920	1,559,643	
MORLEY C.F. and I. Steel Corp.	31, 32-34S-63W 5, 6-35S-63W 36-34S-64W 1-35S-64W	RATON BSN Trinidad (Trinidad)	Morley and Starkville (Vermejo)	B	4.0-10.0	250-900	D	U	Yes	AT&SF	1907/1956	11,046,178	
PIEDMONT Rocky Mountain Fuel Co.	34-33S-64W	RATON BSN Trinidad (Trinidad)	Lower (Vermejo)	B	3.3	-	SL	U	+	C&S	1903/1922	1,993,503	
PRIMERO C.F. and I. Steel Corp.	13, 14, 23, 24, 25, 26, 27-33S-66W	RATON BSN Trinidad (Trinidad)	Primero (Raton)	B	6.5	50-850	D	U	+	Colo & Wyo	1901/1927	8,173,998	
PRIMROSE Black Hawk Coal Co.	5, 6-30S-65W	RATON BSN Trinidad (Trinidad)	Primrose #2 (Raton)	B	3.9	-	SL	U	-	C&S D&RG	1900/1923	1,154,460	
RAPSON NO. 1 AND 2 Rapson Coal Co.	9-29S-65W 4 to 9-30S-65W	RATON BSN Trinidad (Trinidad)	Cameron (lower Rbb- rapson and Halgen) (Vermejo)	B	5.0	-	SL	U	-	C&S	1900/1962	1,346,824	
ROYAL Royal Fuel Co.	20, 21, 28, 29-30S-65W	RATON BSN Trinidad (Trinidad)	Walden- Peerless (Vermejo)	B	6.0	270-1000	S	U	-	C&S	1911/1930	2,416,039	
SOPRIS NO. 1 Daldosso Coal Co.	32, 33, 34-33S-64W 3, 4, 5, 9, 10-34S-64W	RATON BSN Trinidad (Trinidad)	Lower (Vermejo)	B	6.0	-	SL	U	+	Colo & Wyo	1888/1940	8,987,167	Coal was of tacking quality.

COLORADO COAL MINES

MINES WITH CUMULATIVE PRODUCTION IN EXCESS OF ONE MILLION SHORT TONS, PLUS PRESENTLY ACTIVE MINES

TABLE III

Page 20

COUNTY MINE NAME Operator (last or latest)	LOCATION Sec., Twp., Rge.	REGION Field (Area)	Coal Bed Name (Formation)	Coal Rank	Coal Thickness (ft.)	Thickness of cover (ft.)	S-shaft SL-slope D-drift	Type of Mine	Methane gas in mine	Name of railroad at mine	Year 1st produced/ yr. closed	Cumulative prodn as of 1/1/75 (short tons)	REMARKS
<u>LAS ANIMAS</u> STARKVILLE C.F. and I. Steel Corp.	31,32,33- 33S-63W 4,5,6-34S- 63W	RATON HSN Trinidad (Trinidad)	Engle # Starkville (Vermejo)	H	4.0-6.0	130-1000	D	U	-	Santa Fe	1884/1921	6,525,465	Also known as the "Old Starkville Mine" Coal was of coking quality.
TABASCO C.F. and I. Steel Corp.	36-38S-64W 1-34S-64W 25,26,35, 36-31S-65W	RATON HSN Trinidad (Trinidad)	Hastings (Vermejo)	H	5.5-6.0	-	SL	U	-	C&S	1901/1930	4,426,783	Coal was of coking quality.
TERICO C.F. and I. Steel Corp.	Unsurveyed 34S-68W	RATON HSN Trinidad (Trinidad)	Uncorre- lated (Vermejo)	H	6.0	-	D	U	-	C&W	1902/1915	1,527,550	
THOR Thor Fuel Co.	11,12,13, 14-32S-64W	RATON HSN Trinidad (Trinidad)	Hastings (Vermejo)	H	5.3-7.1	-	D	U	-	C&S D&RG	1910/1948	1,499,128	
TOLLER C.F. and I. Steel Corp.	35,36-31S- 65W 1,2,11-32S- 65W	RATON HSN Trinidad (Trinidad)	Berwind (Vermejo)	H	5.5-7.0	350-400 1000	S	U	-	C&S	1908/1932	3,469,662	
<u>MESA</u> CAMEO Juanita Coal and Coke Co.	27,28,33, 34-10S-98W	UINTA Grand Mesa (Grand Junction)	Cameo (Mesaverde)	H	5.0-9.5	2000	SL & D	U	Yes	D&RG	1889/1959	4,216,246	
C.M.C. MINE Cambridge Mining Corp.	34-10S-98W	UINTA Grand Mesa (Palisade)	Uncorre- lated (Mesaverde)	H	7.0	-	D & SL	U	-	-	1961/	128,096	Formerly the "Road- side Mine." No prod. since 1973
<u>MOFFAT</u> RED WING Colowyo Coal Co.	2,3-3N-93W 34,35-4N- 93W	UINTA Danforth Hills (Craig)	A-G + Collam (Mesaverde)	H	21.0	100-1000	SL	U	-	-	1943/1974	3,388,810	Also called "M.T. Streeter."
WILLIAMS FORK STRIP NO.1 Empire Energy Corp.	6-5N-91W 30,31,32- 6N-91W	GREEN RIVER Yampa (Craig)	Uncorre- lated (Mesaverde)	H	6.0-10.0	-	-	S	-	-	1975/	0	Opened 1975

COLORADO COAL MINES

MINES WITH CUMULATIVE PRODUCTION IN EXCESS OF ONE MILLION SHORT TONS, PLUS PRESENTLY ACTIVE MINES

TABLE III

Page 21

COUNTY	LOCATION	REGION	Coal Bed Name (Formation)	Coal Rank	Coal Thickness (ft.)	Thickness of cover (ft.)	S-shaft SL=slope D=drift	Type of Mine	Methane gas in mine	Name of railroad at mine	Year let produced/yr. closed	Cumulative prodn as of 1/1/75 (short tons)	REMARKS
MINE NAME Operator (last or latest)	Sec., Twp., Rge.	Field (Area)											
<u>MOFFAT</u>													
WISE HILL NO. 5 Silango Coal Co. (Div. of Empire Energy Corp.)	31-6N-91W	GREEN RIVER Yampa (Craig)	Uncorrelated (Mesaverde)	B	12.0-14.0	-	SL	U	-	-	1971/	530,019	
<u>MONTROSE</u>													
NUCLA STRIP Peabody Coal Co.	25-47N-16W	SAN JUAN Nucla- Saturita (Naturita)	Uncorrelated (Dakota)	B	5.5	33-65	-	S	-	-	1959/	1,219,586	
<u>PITKIN</u>													
BEAR CREEK Mid-Continent Coal and Coke Co.	21-10S-89W	UINTA Carbondale (Redstone)	Coal Basin "B" (Mesaverde)	B	7.0	-	SL	U	Yes	D&RG	1969/	438,029	Coal is of coking quality.
COAL BASIN Mid-Continent Coal and Coke Co.	5,6,7,8-10S-89W	UINTA Carbondale (Redstone)	Sunshine & Coal Basin "B" (Mesaverde)	B	7.0	-	SL	U	-	D&RG	1900/1908 1973/	1,126,997	Coal is of coking quality. Re-opened 1973.
DUTCH CREEK NO. 1 Mid-Continent Coal and Coke Co.	17-10S-89W	UINTA Carbondale (Redstone)	Coal Basin "B" (Mesaverde)	B	7.0	-	SL	U	-	-	1955/	5,521,860	Coal is of coking quality.
DUTCH CREEK NO. 2 Mid-Continent Coal and Coke Co.	17-10S-89W	UINTA Carbondale (Redstone)	Coal Basin "B" (Mesaverde)	B	7.0	-	SL	U	+	-	1965/	503,124	Coal is of coking quality.
L. S. WOOD Mid-Continent Coal and Coke Co.	8-10S-89W	UINTA Carbondale (Redstone)	Coal Basin "B" (Mesaverde)	B	7.0	-	SL	U	-	D&RG	1965/	2,612,711	Coal is of coking quality.
SPRING GULCH C.F. and I. Steel Corp.	15,22,23, 26,27-83-89W	UINTA Carbondale (Carbondale)	Sunshine, Allen, Anderson (Mesaverde)	B	12.0 5.5 9.0	-	D	U	+	Colo. Midway Railway	1887/1916	3,372,385	Coal is of coking quality.
THOMPSON CREEK NO. 1 Anschutz Coal Corp.	34,35-83-89W	UINTA Carbondale (Carbondale)	A & B (Mesaverde)	B	8.0	-	D	U	-	-	1951/1966 Re-opened 1975	1,079,166 9	Coal is of coking quality.
THOMPSON CREEK NO. 3 Anschutz Coal Corp.	34-83-89W	UINTA Carbondale (Carbondale)	Anderson (Mesaverde)	B	9.0	-	D	U	-	-	1955/1966 Re-opened 1975	672,206 9	Coal is of coking quality.

COLORADO COAL MINES

MINES WITH CUMULATIVE PRODUCTION IN EXCESS OF ONE MILLION SHORT TONS, PLUS PRESENTLY ACTIVE MINES

TABLE III
Page 22

COUNTY MINE NAME Operator (last or latest)	LOCATION Sec., Twp., Rge.	REGION Field (Area)	Coal Bed Name (Formation)	Coal Rank	Coal Thickness (ft.)	Thickness of cover (ft.)	S-shaft SL=slope D=drift	Type of Mine	Methane gas in mine	Name of railroad at mine	Year 1st produced/ yr. closed	Cumulative prodn as of 1/1/75 (short tons)	REMARKS
<u>RIO BLANCO</u> RIENAU NO. 2 American Fuels Corp.	29-2N-9W	UINTA Danforth Hills (Meeker)	Uncorre- lated (Mesaverde)	B	20.0	-	SL	U	-	-	1965/	29,090	
<u>ROUTT</u> APEX NO. 2 Routt Mining Corp.	22-4N-86W	GREEN RIVER Yampa (Oak Creek)	Pinnacle (Mesaverde)	B	4.5	-	SL	U	-	-	1965/	102,708	
EDNA STRIP Pittsburg and Midway Coal Mining Co.	7,18-4N- 85W 12,13,14, 19,23,24,25- 4N-86W	GREEN RIVER Yampa (Oak Creek)	Wadge- Lermox (Mesaverde)	B	6.0	-	-	S	-	D&RG	1945/	11,398,782	
ENERGY STRIP NO. 1 Energy Fuels Corp.	8,9,17,28- 4N-86W 32,33-5N- 86W	GREEN RIVER Yampa (Oak Creek)	Wadge (Mesaverde)	B	7.5	-	-	S	-	D&RG	1962/	6,895,125	
ENERGY STRIP NO. 2 Energy Fuels Corp.	19,25,30- 5N-87W	GREEN RIVER Yampa (Oak Creek)	Fishcreek (Mesaverde)	B	4.6	-	-	S	-	D&RG	1972/	783,400	
ENERGY STRIP NO. 3 Energy Fuels Corp.	1,2,12,13- 5N-86W 18-5N-85W	GREEN RIVER Yampa (Oak Creek)	Wadge (Mesaverde)	B	9.0-10.0	-	-	S	-	D&RG	1975/	0	
HARRIS Colorado and Utah Coal Co.	15,16,21, 22,27,28- 6N-87W	GREEN RIVER Yampa Mt. Harris	Wadge (Mesaverde)	B	9.2	700	D & SL	U	-	D&RG D&SL	1914/1958	8,742,236	
HAYDEN NO. 3 AND 4 Hayden Coal Co.	18-4N-85W 17-4N-86W	GREEN RIVER Yampa (Oak Creek)	Pinnacle (Mesaverde)	B	6.3	350-900	S	U	-	D&SL	1925/1951	3,345,005	
KEYSTONE Routt Mining Corp.	19,30-4N- 85W 13,24,25- 4N-86W	GREEN RIVER Yampa (Oak Creek)	Pinnacle (Mesaverde)	B	5.9	-	D	U	-	D&RG D&SL	1926/1955	2,312,108	
MOFFAT NO. 1 AND 2 Moffat Coal Co.	30,31-4N- 85W 25,26,35, 36-4N-86W	GREEN RIVER Yampa (Oak Creek)	Pinnacle (Mesaverde)	B	5.0- 12.0	-	SL	U	-	D&SL	1916/1946	3,127,859	

COLORADO COAL MINES

MINES WITH CUMULATIVE PRODUCTION IN EXCESS OF ONE MILLION SHORT TONS, PLUS PRESENTLY ACTIVE MINES

COUNTY MINE NAME Operator (last or latest)	LOCATION Sec., Twp., Rge.	REGION Field (Area)	Coal Bed Name (Formation)	Coal Rank	Coal Thickness (ft.)	Thickness of cover (ft.)	S-shaft SI=slope D=drift	Type of mine	Methane gas in mine	Name of railroad at mine	Year 1st produced/ yr. closed	Cumulative prodn as of 1/1/75 (short tons)	REMARKS
ROUTT													
OAK HILLS NO. 1 AND 2 Moffat Coal Co.	30,31-4N- 85W 25,26,35, 36-4N-86W	GREEN RIVER Yampn (Oak Creek)	Pinnacle (Mesaverde)	B	10.0-12.0		SL & D	U	-	D&SL	1895/1930	3,827,629	
OSAGE STRIP E & M. Coal Mining Co.	20,21,27, 28-6N-86W	GREEN RIVER Yampa (Steamboat Springs)	Wadge (Mesaverde)	B	8.0		-	S	-	D&RG	1949/1961	2,238,539	
PINNACLE MINES NO. 1-4 Victor American Fuel Co.	6-3N-85W 1-3N-86W 31-4N-85W 35,36-4N- 86W	GREEN RIVER Yampa (Oak Creek)	Pinnacle (Mesaverde)	B	12.0-14.0		SL	U	-	D&SL	1909/1949	4,585,577	
SENECA STRIP NO. 1 Seneca Coals, Ltd.	2,3,10,11- 6N-87W	GREEN RIVER Yampa (Mt. Harris)	Wadge (Mesaverde)	SB	8.0		-	S	-	-	1964/1968	1,705,518	
SENECA STRIP NO. 2 Seneca Coals, Ltd.	26,27,34, 35-6N-87W	GREEN RIVER Yampa (Mt. Harris)	Wadge (Mesaverde)	B	9.0		-	S	-	-	1968/	3,736,438	
WADGE NO. 1 AND 2 Victor American Fuel Co.	9,10,15- 6N-87W	GREEN RVR Yampa (Mt. Harris)	Wadge Wolf Creek (Mesaverde)	B	8.5	400-500	SL	U	-	D&SL	1917/1951	2,192,362	
WELD													
BAUM Boulder Valley Coal Co.	6-1N-67W 1,2-1N-68W 31,33,35, 36-2N-68W	DVR BASIN Bldr-Weld (Lafayette)	Uncorre- lated (Laramie)	SB	7.0	205	S	U	-	U.P.	1914/1953	4,013,856	
BOULDER VALLEY (NEW) Boulder Valley Coal Co.	17,20,21- 1N-68W	DVR BASIN Bldr-Weld (Lafayette)	Uncorre- lated (Laramie)	SB	10.0	316-350	S	U	-	U.P.	1917/1946	3,501,455	
BOULDER VALLEY NO. 3 Boulder Valley Coal Co.	1-1N-68W	DVR BASIN Bldr-Weld (Lafayette)	Laramie (Laramie)	SB	6.5	245	S	U	-	U.P.	1944/1969	2,539,662	

COLORADO COAL MINES

MINES WITH CUMULATIVE PRODUCTION IN EXCESS OF ONE MILLION SHORT TONS, PLUS PRESENTLY ACTIVE MINES

COUNTY	LOCATION	REGION	Coal Bed Name (Formation)	Coal Rank	Coal Thickness (ft.)	Thickness of cover (ft.)	S-shaft SL=slope D=drift	Type of Mine	Methane gas in mine	Name of railroad at mine	Year 1st produced/yr. closed	Cumulative prodn as of 1/1/75 (short tons)	REMARKS
WELD													
CLAYTON Clayton Coal Co.	1,8,9,16- 1N-68W	DVR BASIN Bldr-Weld (Lafayette)	Uncorre- lated (Laramie)	SB	9.0	150	S	U	-	U.P.	1920/1942	3,333,225	
COLUMBINE Rocky Mountain Fuel Co.	20,28,29- 1N-68W	DVR BASIN Bldr-Weld (Lafayette)	Columbine #1 (Laramie)	SB	6.0-12.0	300	S	U	-	CB&Q	1920/1946	7,216,286	
EAGLE The Imperial Coal Co.	14,15,22- 1N-68W	DVR BASIN Bldr-Weld (Erie)	Laramie #3 (Laramie)	SB	6.0-10.0	-	S	U	-	U.P.	1939/	7,758,500	
ABBREVIATIONS:				B=Bituminous SB=Sub-bituminous				U=Underground S=Strip		AT&SF=Atchinson, Topeka & Santa Fe Railroad D&RG=Denver & Rio Grande Railroad D&SL=Denver & Salt Lake C&S=Chicago & Southern U.P.=Union Pacific Railroad DNW&P=Denver, N.W. and Pacific (?) SF=Santa Fe Railroad CB&Q=Chicago, Burlington & Quincy			

TOTAL COAL PRODUCTION: ALL COUNTIES
(Totals as of June 30, 1975)

TABLE III
Page 25

COUNTY	Coal Rank	Cumulative Production		Production in 1975		Cumulative Production													
		to 1/1/75	(short tons)	(thru 6/30/75)	(short tons)	thru June, 1975	(short tons)												
ADAMS	SB		37,112		0		37,112												
ARAPAHOE	SB		470		0		470												
ARCHULETA	B & SB		36,550		0		36,550												
BOULDER	SB		43,321,306		0		43,321,306												
DELTA	B & SB		4,630,910		500		4,631,410												
DOLORES	SB		62,631		0		62,631												
DOUGLAS	SB		27,367		0		27,367												
ELBERT	SB		108,948		0		108,948												
EL PASO	SB		15,208,890		0		15,208,890												
FREMONT	B		40,057,289		73,446		40,130,735												
GARFIELD	B		6,975,619		815		6,976,434												
GUNNISON	A & B		44,362,731		740,591		45,103,322												
HUERFANO	B		75,525,388		0		75,525,388												
JACKSON	SB		1,888,403		151,649		2,040,052												
JEFFERSON	SB		6,697,937		0		6,697,937												
LA PLATA	B		6,451,563		5,961		6,457,524												
LARIMER	SB		54,284		0		54,284												
LAS ANIMAS	B		169,741,750		318,563		170,058,313												
MESA	B		7,114,555		38,446		7,153,001												
MOFFAT	B		6,120,419		194,830		6,315,249												
MONTEZUMA	B		174,515		0		174,515												
MONTROSE	B		1,677,782		58,814		1,729,596												
OURAY	SB		14,216		0		14,216												
PARK	SB		724,658		0		724,658												
PITKIN	B		16,086,259		472,351		16,558,610												
RIO BLANCO	B		620,528		2,871		623,399												
ROUTT	B		62,024,799		1,418,174		63,442,973												
SAN MIGUEL	B		28,429		0		28,429												
WELD	SB		66,673,577		102,944		66,776,521												
TOTALS:			576,446,885		3,567,875		580,014,804												

Data Source: Colorado Division of Mines
Compiled by: D. C. Jones & D. S. Walline
Mineral Fuels Section
COLORADO GEOLOGICAL SURVEY
June-August, 1975

Supported by U.S. Geological Survey Grant
No. 14-08-001-6-210.

COLORADO SURFACE/STRIP COAL MINES, 1909-1975
(SOURCE: COLORADO DIVISION OF MINES)

TABLE IV
Page 27

NAME OF MINE	MINE LOCATION SEC., TWP., RGE.	COAL RANK (B-Bituminous SB-Sub-bit.)	TONS PER ACRE-FOOT	COAL BED THICKNESS (feet)	CUMULATIVE PROD. TO 6/30/75 (short tons)	THEORETICAL AMT. OF LAND DISTURBED (acres)	YEARS IN OPERATION
COUNTY: MESA							
Coal Canyon Strip	5-11S-98W	SB	1,770	5.7	71,480	6.01	1961-9
Sub-Total					71,480	6.01	
MOFFAT							
Victory-Wise Strip	6-5N-91W	B	1,800	7.0-20.0	2,939	0.12	1943-6
Williams Fork Strip #1	6-5N-91W, 30 to 32-6N-91W	B(?)	1,800	6.0-10.0	73,380	5.10	1975-pres.
Wise Hill Strip	31-6N-91W	B	1,800	10.7	2,003	0.10	1961-2&67
Wise Hill Strip #4	6-5N-91W	B	1,800	16.0	59,623	2.07	1971
Sub-Total					137,945	7.39	
MONTEOSE							
Nucla Strip	25-47N-16W	B	1,800	5.5	1,271,400	128.42	1959-pres.
Sub-Total					1,271,400	128.42	
ROUTT							
Bear River Strip	14-6N-87W	B	1,800	5.0	4,482	0.98	1946
Black Dan Strip	16, 21-6N-86W	B	1,800	8.0	77,097	5.35	1947-8
Commander Strip #1	16-5N-87W	B	1,800	13.0	1,441	0.96	1954-5
Commander Strip #3	16-5N-87W	B	1,800	13.0	2,689	0.12	1955
Edna Strip	17, 18-4N-85W, 12, 13, 14, 19, 23, 24, 25-4N-86W	B	1,800	6.0	11,586,184	1,072.80	1945-pres.
Energy Strip #1	18, 19, 17, 18-4N-86W	B	1,800	7.5	7,238,435	536.18	1962-pres.
Energy Strip #2	19, 25, 30-5N-87W	B	1,800	4.6	1,271,688	153.59	1974-pres.
Energy Strip #3	18-5N-85W	B	1,800	9.0-10.0	90,000	5.26	1975-pres.
Moffat-B Strip	14-2, 12, 13-5N-86W	B	1,800	3.3	3,831	0.65	1954-5
Old Quaker Strip	30, 31, 36-5S-86W	B	1,800	13.0	23,572	1.01	1956-9
Osage Strip	7, 18-5N-89W	B	1,800	8.0	2,233,559	155.11	1948-61
Routt County #1 Strip	16, 21-6N-86W	B	1,800	6.8	8,340	0.68	1945
Rusty Strip	12, 13-3N-86W	B	1,800	6.8	8,340	0.68	1945
Seneca Strip #1 (Wolf Creek)	14-6N-87W	B	1,800	5.0	16,250	1.81	1943
Seneca Strip #2 (Grassy Creek)	2, 3, 10, 11, 36, 34, 35-6N-87W	SB	1,770	8.1	1,705,518	118.96	1964-68
Seven Crown Strip	26, 27, 34, 35-6N-87W	B	1,800	9.0	4,035,974	249.13	1968-pres.
Seven Point Strip	12, 13-3N-88W	B	1,800	6.8	4,785	0.39	1948-50
Zenith Strip	12, 13-3N-85W	B	1,800	12.0	12,867	0.60	1953-4
Sub-Total					28,318,324	2,302.29	
WELD							
Erie Strip	33-2N-68W	SB	1,770	6.0	126,563	11.91	1948-53
Sub-Total					126,563	11.91	
GRAND TOTAL FOR STATE					32,773,118	2,634.04	

* Estimated land disturbed:

T = Tons produced

A = Acres

Ft = Thickness (in ft.) of seam

Sv = Standard value for wt. of coal in tons/acre-ft.

(from American Society for Testing and Materials, 1973)

Sv = 1800 for Bituminous Coal

Sv = 1770 for Sub-bituminous Coal

$$\frac{T}{(Sv)(ft)} = A$$

Compiled by: David C. Jones
Mineral Fuels Section
Colorado Geological Survey
Supported by U.S. Geological Survey Grant