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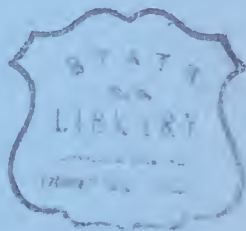
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TWENTY-SEVENTH ANNUAL REPORT

OF THE

State Inspector of Coal Mines

1939



1940



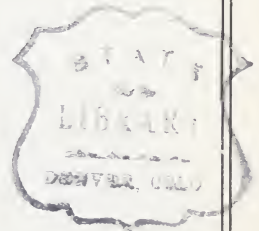
THE BRADFORD-ROBINSON FTG. CO., DENVER

TWENTY-SEVENTH
ANNUAL REPORT

OF THE

State Inspector of
Coal Mines

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LETTER OF TRANSMITTAL

Denver, Colorado, April 1, 1940.

To His Excellency,
RALPH L. CARR,
Governor of Colorado.

Sir: In accordance with Section 27 of the Colorado Statutes Annotated of the Act entitled "Coal Mining Laws," I have the honor of submitting to you the 1939 Annual Report of this department.

Respectfully;
THOMAS ALLEN,
State Inspector of Coal Mines.

PERSONNEL OF THE COAL MINE INSPECTION DEPARTMENT

THOMAS ALLEN, Chief Inspector.....	Denver, Colorado
ADA R. TIBBITS, Chief Clerk.....	Denver, Colorado
MAX M. GREENWALD, Assistant Clerk.....	Denver, Colorado
MARJORIE ROBSON, Assistant Clerk.....	Denver, Colorado
VEDA BURFORD, Safety Director.....	Denver, Colorado

FIELD FORCE AND DISTRICTS

HUGO H. MACHIN, Boulder.....	District No. 1
Boulder, Weld, Jefferson, Larimer counties—all counties north of Littleton outcrops to Wyoming line and east of the range. East of Denver to mines east of Limon.	
GEORGE C. DALRYMPLE, Trinidad.....	District No. 2
All mines in Las Animas County.	
FINLAY MCCALLUM, Steamboat Springs.....	District No. 3
Routt, Moffat, Garfield excepting Stove Canon mines, Rio Blanco, Pitkin, Jackson (in summer and fall) counties.	
J. J. RODDY, Montrose.....	District No. 4
Mesa, Delta, Gunnison, Montrose, Ouray, San Miguel, Dolores, Montezuma, Archuleta, La Plata, and the Stove Canon mines in Garfield county.	
GEORGE H. SMITH, Canon City.....	District No. 5
Fremont, El Paso counties, and all mines east of Colorado Springs, to junction of District No. 1, which extends to a point east of Limon, on Kansas road at the last mine before Limon.	
MYRON WILLIAMS, Walsenburg.....	District No. 6
All mines in Huerfano county.	

SUMMARY OF THE COAL PRODUCTION OF COLORADO
FOR 1939

Number of mines licensed.....	382
Number of new and old mines opened: new mines, 28; old mines, 12; total....	40
Number of mines closed or abandoned.....	43
Tons of sub-bituminous coal produced.....	2,201,587
Tons of semi-bituminous coal produced.....	139,558
Tons of bituminous coal produced.....	3,647,888
Tons of anthracite coal produced.....	1,989
Total number of tons of coal produced.....	5,991,022
INCREASE, 1939.....	268,123
Tons of run-of-mine coal produced.....	1,116,579
Tons of lump coal produced.....	1,124,538
Tons of egg coal produced.....	370,329
Tons of nut coal produced.....	403,717
Tons of pea coal produced.....	153,970
Tons of slack coal produced.....	2,821,889
Percentage of slack coal produced.....	57.9%
Daily capacity of all mines in state (a few small mines did not report their capacity).....	56,701
Tons of coal mined by hand.....	1,779,402
Tons of coal mined by machine.....	4,211,620
Number and kind of machines used; (compressed air, 27) (electric, 445) total	472
Number of electric drills.....	263
Number of mechanical loaders.....	218
Tons of coal mined by mechanical loaders.....	1,947,759
Tons of coal mined for shipment (railroad, 4,160,869) (truck and wagon, 1,687,218) total.....	5,848,087
Tons of coal used at mine for power and heat.....	142,935
Tons of coal shipped out of the state.....	653,067
Tons of coal made into coke.....	749,924
Tons of coke made.....	454,869
Number of days coke ovens operated (average).....	312.5
Number of coke ovens used.....	326
Number of men employed at coke ovens (average).....	100
Number of miners employed (average): pick miners, 1,773; machine miners, machine runners and mechanical loaders, 3,404; total.....	5,177
Number of men employed in and about mines (average): underground, 6,969; surface, 1,444; total.....	8,413
Total number of men employed in and about mines (average): underground, 7,349; surface, 1,627; total.....	8,976
Number of days worked (average man-days).....	165.4
Daily production per miner.....	7.0
Annual production per miner.....	1,157.2
Number of approved electric lamps used.....	8,794
Number of approved flame safety lamps used.....	649
Number of carbide lamps used.....	1,814
Number of pounds of carbide used (approximate, some miners purchase their own).....	73,185
Number of pounds of black powder used.....	493,569
Number of pounds of permissible powder used.....	432,972
Number of pounds of dynamite used.....	103,405
Haulage:	
Electric Trolley Locomotives.....	128
Electric Battery Locomotives.....	51
Electric Hoists.....	190
Compressed air, steam and gasoline hoist.....	15
Animals.....	777
Number of men killed: (underground, 25) (surface, 1) total.....	26
Number of men injured.....	699
Number of men killed per thousand employed (actual number of days worked)	3.09
Number of men injured per thousand employed.....	83.09
Number of tons of coal produced for each life lost.....	230,424
Number of tons of coal produced for each non-fatal accident.....	8,571
Number of men employed per fatal accident.....	323.6
Number of men employed per non-fatal accident.....	12.0
Number of men killed per million tons of coal produced.....	4.34
Number of men injured per million tons of coal produced.....	116.7
Number of widows left.....	13
Number of minor children left fatherless.....	41

*Comparative statistics of mechanical, chemical, and other devices for breaking coal, cannot be assembled with data available.

FINANCIAL STATEMENT FOR THE COAL MINE INSPECTION DEPARTMENT

1939

RECEIPTS:

	1939	1938
COAL TAX COLLECTED.....	\$ 22,517.46	\$ 22,327.71
LICENSES TO OPERATE COAL MINES.....	13,880.00	13,025.00
SALE OF COAL MINING LAWS.....	54.24	81.05
SALE OF DUPLICATE CERTIFICATES.....	.....	2.00
SALE OF FIRST AID MANUALS.....	6.00	7.50
REFUNDS AND CREDITS ADJUSTED.....	23.01	125.03
BALANCE BROUGHT FORWARD JANUARY 1, 1939.....	1,778.71	5,467.08
TOTAL RECEIPTS.....	\$ 38,259.42	\$ 41,027.87

DISBURSEMENTS:

SALARIES (Field & Office).....	28,675.13	27,680.02
SALARIES (Board of Examiners).....	.....	2,072.81
AUTO MILEAGE, EXPENSES, SUPPLIES, REPAIRS, ETC.....	3,361.07	3,152.64
RAILROAD TRANSPORTATION (Board of Examiners).....	.....	115.36
HOTEL EXPENSE (Field Force).....	412.45	428.56
HOTEL EXPENSE (Board of Examiners).....	.....	223.20
MEALS (Field Force).....	489.65	510.95
MEALS (Board of Examiners).....	.....	239.15
RENT (Office).....	1,282.56	1,175.68
RENT (Board of Examiners).....	.....	10.00
PRINTING.....	522.75	823.89
POSTAGE.....	530.94	466.24
STATIONERY, OFFICE SUPPLIES.....	.....	525.94
TELEPHONE.....	161.23	498.90
TELEGRAPH.....	465.82	77.99
OFFICE INSTRUMENTS & EQUIPMENT.....	37.64	144.40
FIELD EQUIPMENT (Express charges, Insurance, Miscellaneous).....	138.21	891.55
TOTAL DISBURSEMENTS.....	573.30	.....
	\$ 36,888.53	\$ 39,256.66

BALANCE ON HAND JANUARY 1, 1940..... \$ 1,370.89

INTRODUCTION

TWENTY-SEVENTH ANNUAL REPORT

OF THE

STATE INSPECTOR OF COAL MINES

1939

The total production in the coal mines of Colorado for 1939 was 5,991,022 tons, an increase of 268,123 tons over the previous year of 1938; 4,211,620 tons of which were machine mined; the remaining 1,779,402 tons being mined by hand. Of this production, 4,160,868 tons were shipped by rail and 1,687,218 tons by truck. There were 868,820 tons of coal shipped out of the State during the year.

The largest coal producing County of the State was Weld County which mined 1,137,690 tons, employing an average of 1,379 men who worked an average of 162.7 days. Huerfano County produced 1,078,129 tons, employing 1,044 men who worked an average of 162.4 days.

The 382 licensed mines employing an average of 8,413 men worked an average of 165.4 days during the year. In 1939 there were 26 fatalities and 699 non-fatal accidents; showing a decrease of five fatal and 23 non-fatal accidents. Out of the 382 mines operating, 262 mines had a perfect accident record; this is an increase of 26 mines over 1938 and an increase of 143 mines over 1937. The year shows a total of 540,222 man-shifts of exposure without an accident.

The contest for the best six months accident record of the State was won by the following mines:

1st 6 months

1. Pryor, Huerfano County
2. City No. 1, El Paso County
3. Ludlow, Las Animas County
4. Kenneth, Las Animas
5. Baum, Weld County
6. Regal, Boulder County

2nd 6 months

1. Baum, Weld County
2. Caldirola, Fremont County
3. Morrison, Weld County
4. Boncarbo, Las Animas County
5. Sterling, Weld County
6. City No. 1, El Paso County

The State-wide First Aid Contest at Civic Center in Denver on September 16th, was won by the following teams in their respective classes:

Class A

1. Hayden No. 3 Mine, Routt County
2. Clayton-Morrison Mines, Weld County

Class B

1. Clayton-Morrison Mines, Weld County
2. Sterling Mine, Weld County

Class C

1. Beebe Draw Ladies Safety Chapter, Weld County
2. Sepia Six Ladies Safety Chapter, Routt County

A Boy Scout team from the Colorado Fuel & Iron Corporation in Pueblo, under the direction of Charles DeVore; and a boys' team from the Kebler No. 2 mine at Tioga, under the direction of Thomas Bodycomb, participated in a non-competitive exhibition at the contest.

The Third Annual Safety Day of Routt County on September 1st, was won by the Hayden No. 3 men and the Pinnacle ladies.

The Black Diamond Jubilee sponsored by the Walsenburg Chamber of Commerce, conducted a First Aid Contest on Miner's Day, May 25th, at which the Robinson No. 4 Mine won first place among the men's teams and the Calumet No. 2 ladies winning in that group. The Local Union of the United Mine Workers of America at Walsenburg, conducted a First Aid Contest on Labor Day, September 4th, with the Robinson No. 4 men and the Calumet ladies winning first places.

First Aid certificates were issued to 1,292 men and women during the year, making a total of 4,142 certificates issued within the last five years. There were 216 Shot Firer's certificates issued during the year, making a total of 983 papers issued within this same length of time.

There are 15 Joseph Holmes Safety Chapters in the State, who report an attendance of 6,367 for the year. There are seven Women's Safety Chapters at present, with one or more active teams in each group. There are 63 First Aid teams from the coal mining groups in Colorado, who have participated in contest work during the past year.

In 1939, the United States Bureau of Mines issued the following 100% First Aid certificates: Rockvale No. 3, Kebler No. 2, Robinson No. 4, Frederick and the Morley, all of which are operated by the Colorado Fuel & Iron Corporation; the Somerset mine operated by the Calumet Fuel Company; and the City No. 1 Mine operated by the Colorado Springs Company. These certificates are only issued to mines employing an average of 25 or more men who are 100% trained in First Aid to the Injured. There are over 100 of the remaining mines which are 100% trained.

The following Coal Mine Officials' certificates were issued during 1939: 21 Mine Foreman and 21 Assistant Mine Foreman

papers to those who served the required six months time as Fireboss; and 27 Fireboss certificates to candidates whose papers were withheld for the completion of a course in First Aid.

The classes in Accident Prevention, conducted by W. H. Forbes of the United States Bureau of Mines, were attended by over 1,000 men throughout the State.

The Lafayette Vocational School at Lafayette, Colorado, which was dedicated in September, 1939, has conducted classes in Mine Surveying and Practical Coal Mining, for the men employed in the coal mines of that vicinity. The surveying classes were taught by Thomas J. Knill, and the classes in Practical Mining were taught by James W. Graham, Jr.

Day-time courses in Mining, Mechanics and Mining Electricity were conducted for High School students, by L. V. Crist. The enrollment for the year was 38 students.

James W. Graham, Jr., instructor for the State Board of Vocational Training, has conducted additional classes in Practical Mining throughout the State, with an enrollment of 975 miners, for the year.

The following Important Recommendation was made by the State Department in 1939: "All entrances to abandoned coal mines or caves, must be sealed or securely sealed off."

Warnings were issued to all coal mines in the State, regarding "Fire Hazards," due to abnormally dry seasons.

At this time it is desired to express a genuine appreciation of the cooperation of the United States Bureau of Mines, the State Board of Vocational Training, the State Industrial Commission, the United Mine Workers of America, the Employer's Mutual Insurance Company, the State Planning Commission, the WPA, the coal operators, and the individual coal miners employed in the mines of the State.

WORK OF THE FIELD FORCE

(Deputy Inspectors)

The following is a summary of the work done by the Field Force of this Department, during the year 1939:

Total number of inspections made.....	1,238
Number of fatal accidents investigated.....	26
Number of general complaints adjusted.....	82
Number of scale inspections made.....	7
Total number of miles traveled by the Field Force....	78,340

THOMAS ALLEN,
State Inspector of Coal Mines.

Russell, Wm. E. Coal Co.	Crown	Boulder	W. E. Russell	Denver	Andrew Wilson	Superior	None	100	30%	Yes	6 0
Zapfitt, Ross	O K	Boulder	Ross Zapfitt	Boulder	Floyd Spohr	Paonia	None	400	2%	Yes	7 0
Cordray & Spohr	Black	Delta	Orrie Cordray	Cedaredge			None	140	20%	Yes	4 6
Eckert, J. Andrew	Black	Diamond Delta					None	1000	3%	Yes	6 0
Fitzsimmons, E. A.	Fitzsimmons	Delta		Paonia			None	300	27%	Yes	8 to 10 0
Green Valley Coal Co.	Green Valley	Delta	Ira T. Brooks	Cedaredge			None	300	27%	Yes	5 6
Independent Fuel Co.	Ideal	Delta	Ray T. Clipp	Cedaredge			None	600	20%	Yes	5 0
Independent Fuel Co.	Independent	Delta	Ray T. Clipp	Cedaredge			None	850	3 1/2%	Yes	9 3
Jackson, R. M.	Burdick	Delta	Ray M. Jackson	Hotchkiss			None	185	3%	Yes	10 0
Jenkins & Lewis Coal Co.	Jenkins & Lewis	Delta	Guy Lewis	Paonia			None	5400	6%	Yes	5 6
Juanita Coal & Coke Co.	King	Delta	John S. Bowie	Bowie	Alex R. Bowie	Bowie	D. & R. G. W.	1000	3%	Yes	11 0
Owens, Louis	Farmers	Delta	Louis Owens	Hotchkiss			None	780	12%	Yes	6 0
Paonia Farmers Coal Co.	Paonia	Farmers Delta	Albion Baker	Paonia			None	500	5%	Yes	8 0
Patton, Lloyd L.	Red Canon	Delta	Lloyd L. Patton	Cedaredge			None	800	8%	Yes	4 6
States-Hall Coal Co.	States-Red Mountain	Delta	C. E. Hall	Cedaredge			None	420	10%	Yes	12 0
States, Welland W.	Top	Delta	Welland W. States	Cedaredge			None	700	5%	Yes	7 4
Western Star Coal Co.	Western	Delta	C. W. Rinehart	Cedaredge			None	300	45%	Yes	5 8
Winton Coal Co.	Winton	Delta	C. A. Bowerman	Austin	Arnold	Matheson	None	300	30%	Yes	12 10
Barker Coal Co.	Barker	Elbert	Dora E. Barker	Matheson	Kirschbaum	Matheson	None	300	30%	Yes	6 0
Dalrymple, J. M.	Beaver Valley	Elbert	J. M. Dalrymple	Agate			None	72			4 2
Newland, Borden	White Ash	Elbert	Borden Newland	Matheson			None	70			7 0
Stander, Joe	Stander	Elbert	Joe Stander	Ramah			None			Yes	2 3
Altitude Fuel Co.	Altitude	El Paso	Harry S. Bennett	Colo. Spgs.			None	152			2 4
Ausec, Frank	Busy Bee	El Paso	Frank Ausec	Colo. Spgs.			None	400	20%		4 to 16 0
Clara Bell Coal Co.	Clara Bell	El Paso	Thomas Howells	Colo. Spgs.	Edwin Howells, Sr.	Colo. Spgs.	None				9 0
Colorado Springs Co.	City Coal Mines	El Paso	George H. Krause	Colo. Spgs.	Walter Colburn	Colo. Spgs.	None	3300	20%		6 to 10 0
Cottonwood Coal Co.	Cottonwood	El Paso	Fred Sevcik	Colo. Spgs.			None	158	38%		3 to 4 0
Danville Coal Co.	Climax	El Paso	James Ralston	Colo. Spgs.			None	200	31%	Yes	10 0
Franceville Coal Co.	Franceville	El Paso	F. F. Gordley	Colo. Spgs.			None	1000			4 0
Jimmy Camp Fuel Co.	Jimmy Camp	El Paso	John Palosky	Colo. Spgs.	Adolph Palosky	Colo. Spgs.	None	1500	5%		5 5

TABLE No. 1—Continued
 DIRECTORY OF COAL MINES IN STATE OF COLORADO FOR THE YEAR ENDED DECEMBER 31, 1939

Company	Mine	County	Mgr. or Genl. Supt.	Company P. O.	Mine Supt.	Mine P. O.	R. R.	Shaft	Opening			Tunnel			In.
									Slope	Pitch	Drift	Length	Pitch	Seam	
Pikes Peak Fuel Div. of The Golden Cycle Corp.....	Pikeview.....	El Paso	W. D. Wade	.....	Colo. Spgs.	Pikeview	D. & R. G. W.	174	.....	.....	.....	.....	.....	.....	12 0
Streenan, John.....	New Key- stone.....	El Paso	John Streenan	.....	Colo. Spgs.	.....	None	.....	263	25%	.....	.....	.....	.....	8 4
Annex Coal Co.....	Annex.....	Fremont	Thomas Hovenic	.....	Florence	Florence	None	.....	400	5%	.....	.....	.....	.....	6 0
Baione, Joe.....	Canon Red	Fremont	Joe Baione	.....	Canon City	.....	None	.....	800	5%	Yes	.....	.....	.....	3 0
Bald Coal Co.....	Bald.....	Fremont	.....	.....	Florence	No report filed	None	.....	1000	6%	.....	.....	.....	.....	3 0
Big Three (3) Coal Co.	Big Three.....	Fremont	Albert Silengo	.....	Canon City	.....	None	.....	489	22°	.....	.....	.....	.....	5 0
Bluff Springs Leasing Co.....	Amer. Ind. No. 2.....	Fremont	Owen Price	.....	Florence	James L. Newell	.....	.....	2000	18%	.....	.....	.....	.....	3 6
Brookside Coal M. Co., Inc.....	Brookside.....	Fremont	Frank Orecchio	.....	Florence	.....	None	.....	1500	20%	.....	.....	.....	.....	3 0
Caldirola Coal Co.....	Caldirola.....	Fremont	Charles J. Caldirola	.....	Florence	Stephen Bernardi	.....	.....	1600	3%	Yes	.....	.....	.....	6 6
Canon Black Diamond Coal Co.....	Black Dia- mond.....	Fremont	Louis Yellico	.....	Florence	.....	None	.....	1600	.....	.....	.....	.....	.....	7 to 9 0
Canon Blue Ribbon.....	Horseshoe.....	Fremont	No Report Filed	.....	Florence	.....	None	.....	850	5°	.....	200	.....	.....	2 6
Canon Chief Coal Co.	Canon.....	Fremont	Domenic Moschetti	.....	Florence	.....	None	.....	1500	7%	.....	.....	.....	.....	5 0
Canon Coal Creek Coal Co.....	Canon Coal Creek.....	Fremont	Paul Carestia	.....	Coal Creek	.....	None	350	400	4%	.....	400	.....	.....	3 6
Canon Eagle Coal Co.....	Eagle.....	Fremont	Thos. A. Walker	.....	Canon City	.....	None	.....	1000	.....	Yes	.....	.....	.....	2 6
Canon Ideal Coal Co.....	Ideal.....	Fremont	Louis Delsandro	.....	Coal Creek	.....	None	.....	100	4%	Yes	.....	.....	.....	4 0
Canon Imperial Coal Co.....	Canon Imp.....	Fremont	A. V. Madonna	.....	Coal Creek	.....	None	.....	800	6%	Yes	100	.....	.....	3 6
Canon Liberty Coal Co.....	Liberty.....	Fremont	Anton Strainer, Jr.	.....	Canon City	.....	None	.....	680	.....	Yes	.....	.....	.....	2 6

Canon Monarch Coal Co.	Canon Monarch Fremont	W. J. Beer	Florence	Wm. H. Lloyd	Florence	None	1500	6%	Yes	200	-----	2	6
Canon Monarch Coal Co.	Pine Gulch Fremont	W. J. Beer	Florence	Wm. H. Lloyd	Florence	None	800	8%	Yes	-----	-----	4	0
Canon National Coal Co.	Canon National- Fremont	F. A. Boitz	Florence	Math. Grehak	Florence	None	1000	25°	-----	400	-----	6	0
Canon Peacock Coal Co.	Canon Peacock- Fremont	B. O. Halsted	Florence	Mine did not operate during 1939	Canon City	None	-----	-----	-----	-----	-----	-----	-----
Charm Coal Co.	Charm Colorado Fuel & Iron Corp.	James G. Warren	Canon City	-----	-----	None	150	3%	Yes	150	-----	4	0
Corley, W. D. Jr.	No. 3 Amer. Ind. Corley	G. H. Rupp	Denver	J. L. McBrayer	Canon City	A. T. & S. F.	6000	15%	-----	-----	-----	6	0
Corley, W. D. Jr.	No. 3 Corley	W. D. Corley, Jr.	Colo. Spgs.	-----	-----	Florence	202	20%	-----	-----	-----	3	0
Crescent Coal Co.	No. 6 Sellers	W. D. Corley, Jr.	Colo. Spgs.	Pete Millar	-----	Florence	150	14%	-----	-----	-----	3	6
Di Giacomo, Tony	Di Giacomo, Tony	William D. Wood	Chandler	-----	-----	None	130	-----	-----	-----	-----	4	0
Double Dick Coal Co.	Double Dick	Tony Di Giacomo	Coal Creek	-----	-----	None	225	7%	Yes	225	-----	1	8
Duca, Joseph Z.	Canon Zenith	Tony Santarelli	Florence	-----	-----	None	3000	15%	-----	-----	-----	9	0
Evans Coal Co.	O K Canon	Joseph Z. Duca	Florence	-----	-----	None	750	10%	Yes	-----	-----	3	0
Falco, Adolph	Canon Hiway	Chester Evans	Florence	-----	-----	A. T. & S. F.	700	33%	-----	-----	-----	2	4
Fawn Hollow Coal Co.	Fawn Hollow	Adolph Falco	Florence	-----	-----	None	200	3%	Yes	-----	-----	3	0
Florence Coal Co.	White Ash No. 1	Florian Adamic	Canon City	-----	-----	None	700	8°-12°	-----	-----	-----	2½	3 0
Florence Coal Mines, Inc.	Mountain View	Martin Katnig	Florence	-----	-----	None	700	6%	-----	-----	-----	1	8
Giuliano-Carpine Coal Co.	Cedar	John W. McGovern	Pueblo	Wm. Peachey	Florence	None	1300	5%	-----	500	-----	4	6
Griffiths Coal Mining Co.	Canon Griffiths Chandler Creek	John G. Giuliano	Florence	Mike Giuliano	Florence	None	1500	2%	Yes	-----	-----	5	0
Hiland Coal Mines, Inc.	Canon Tiger	W. R. Griffiths	Canon City	-----	-----	D. & R. G. W.	1800	8%	-----	400	-----	3	6
Hillside Coal Co.	Hillside	John W. McGovern	Pueblo	Earl Lamberson	Florence	None	1000	4%	-----	-----	-----	4	6
		J. E. Ortiz	Florence	-----	-----	None	136	32%	Yes	136	-----	2	2

TABLE No. 1—Continued

DIRECTORY OF COAL MINES IN STATE OF COLORADO FOR THE YEAR ENDED DECEMBER 31, 1939

Company	Mine	County	Mgr. or Genl. Supt.	Company P. O.	Mine Supt.	Mine P. O.	R. R.	Shaft	Opening		Tunnel		Seam
									Slope	Pitch	Drift	Length		Pitch
James Lawrence	Willie	Fremont	James Lawrence	Florence		None			100	----	Yes	----	3 6
Little Johnny Coal Co.	Little Johnny	Fremont	John Lippis	Canon City		None			900	7%	Yes	----	4 0
Manley Coal Mining Co.	Manley	Fremont	W. M. Manley	Canon City		None		96	----	----	----	----	----
Moschetti, Tony	Canon Old Slope	Fremont	Tony Moschetti	Florence	No report filed	None			----	----	----	----	----
Nerone & Rigerozzi Bros.	Canon Central	Fremont	Joe Nerone	Florence	John and Joe Rigerozzi	Florence	None		Not reported				----
Nushaft Canon Coal Co.	Nushaft	Fremont	E. B. Cribbs	Coal Creek	Arthur Angel	Coal Creek	None		2200	5%	----	300 15%	3 to 4 0
Nushaft Canon Coal Co.	Rex	Fremont	E. B. Cribbs	Coal Creek	Ray Halbrook	Coal Creek	None		1500	11%	----	450 20%	7 0
Perino Coal Co.	Newlan Creek	Fremont	James Perino	Florence		None			1500	6%	----	350 30%	3 0
Petry Bros.	Petry	Fremont	Sam Petry	Florence		None			----	----	----	----	3 6
Royal Gorge Coal Co.	Royal Gorge	Fremont	Stanley Z. Pavalsky	Canon City		Canon City	A. T. & S. F.		440	47%	----	----	5 10
Victor-American Fuel Co.	Chandler	Fremont	W. E. Schlessinger	Denver	G. W. Shields	Chandler & D. & R. G. W.	A. T. & S. F.	462 1/2	9000	5.4%	----	----	2 6
Walker Coal Co.	Red Arrow	Fremont	Frank J. Walker	Florence		None			1000	3%	----	----	3 6
Barber Asphalt Corp.	Carbonera	Garfield	Homer D. Ford	Craig	Mine abandoned	Utah— now a- bandoned			----	----	Yes	----	7 6
Coles, W. E.	New Castle	Garfield	W. E. Coles	New Castle		None			500	50%	----	----	14 0
DeBoy, Frank	Ohkraut	Garfield	Frank DeBoy	Glenwood Springs		None			----	----	----	----	3 6
Diamond Fuel Co.	Diamond	Garfield	David Davies	Glenwood Springs		None			----	----	----	500	5 0

TABLE No. 1—Continued
 DIRECTORY OF COAL MINES IN STATE OF COLORADO FOR THE YEAR ENDED DECEMBER 31, 1939

Company	Mine	County	Mgr. or Genl. Supt.	Company P. O.	Mine P. O.	R.R.	Shaft	Slope	Pitch	Drift	Tunnel Length	Pitch	Seam Ft.
Rocky Mtn. Fuel Co.	Alpine	Gunnison	Josephine Roche	Denver	James Jordan	D.&R.G.W.	150	3800	5½%	-----	-----	-----	7 0
Rocky Mtn. Fuel Co.	New	Baldwin	Josephine Roche	Denver	James Jordan	D.&R.G.W.	-----	1000	4½%	-----	-----	-----	6 0
Staples, S. L. & Son	O. C.	Gunnison	S. L. Staples	Walsen- burg	Baldwin	None	-----	1400	4½%	Yes	-----	-----	5 6
Aaron Coal Co.	Aaron	Huerfano	Aaron S. Wilburn	Walsen- burg	Emial Richter	Walsen- burg	297	424.7	25%	Yes	-----	-----	2 8
Aztec Coal Mining Co.	Toltec	Huerfano	Thomas Hutchinson	Walsen- burg	Toltec	D.&R.G.W.	-----	1200	10%	Yes	60	15%	3 8
Black Hawk Coal M. Co.	Black- hawk	Huerfano	E. H. Jenkins	Walsen- burg	-----	None	-----	1370	4½%	-----	130	32%	2 8
Blue Blaze Coal Co.	Blue Blaze	Huerfano	Johnson & Amiday, Props.	Walsen- burg	-----	None	-----	-----	-----	-----	-----	-----	-----
Butte Valley Coal Co.	Butte Valley	Huerfano	George B. Dick	Walsen- burg	Bert Amiday	Walsen- burg	-----	1000	8%	Yes	-----	-----	3 9
Caddell, Ed	Caddell	Huerfano	Ed Caddell	Walsen- burg	John T. Muir	Butte Valley	-----	3000	30%	-----	800	-----	9 0
Calumet Fuel Co.	Calumet No. 2	Huerfano	Moroni Heiner	Walsen- burg	-----	None	-----	1400	7½%	Yes	-----	-----	4 6
Colorado Fuel & Iron Corp.	Keblor No. 2	Huerfano	G. H. Rupp	Salt Lake City, Utah	A. P. French	Delcarbon	-----	3200	4°	-----	300	-----	4 0
Colorado Fuel & Iron Corp.	Robinson No. 4	Huerfano	G. H. Rupp	Denver	L. W. Ingles	Tioga	-----	3400	23%	-----	-----	-----	6 0
Downs, L. M.	Sam	Huerfano	G. H. Rupp	Denver	J. L. McBrayer	Farr	-----	3800	4½%	Yes	-----	-----	5 0
{ Caliente Coal Co.	George	Huerfano	L. M. Downs	LaVeta	Mine did not operate	None	-----	-----	-----	-----	-----	-----	-----
{ Giordano Coal Co.	Raven- wood	Huerfano	{ S. M. Thompson Joe Giordano	Denver	to March 15	None	-----	-----	-----	-----	-----	-----	-----
				Walsen- burg		C.&S.	-----	4000	3%	-----	-----	-----	2 6

Gordon Coal Co.	Gordon	Huerfano	George B. Dick	Walsen- burg	D. & R. G. W.	4800	5%	800	10%	4	0
Ideal Coal Co.	New Ideal	Huerfano	Dr. G. R. Mallett	Walsen- burg	William Cominotti Walsen- burg	500	5%	Yes	-----	4	6
Klikus Coal Co.	C. O. D. No. 2	Huerfano	John Klikus	La Veta	None	250	-----	-----	-----	3	6
{ Caliente Coal Co. { Matland Fuel Co.	Maitland	Huerfano	{ S. M. Thompson { John Manka	Denver Walsen- burg	to March 15	3000	6%	Yes	-----	3	2
Major Coal Co.	Major	Huerfano	John Cornali	Walsen- burg	D. & R. G. W.	1000	27%	-----	150	3	0
Maloney, Joe	Nugget	Huerfano	Joe Maloney	Rugby	D. & R. G. W.	900	10%	Yes	-----	4	0
McCune & Boscia	New Sunny- side	Huerfano	James A. McCune	Walsen- burg	None	400	12%	-----	70	2	6
Minnequa Fuel Co.	Morning Glory	Huerfano	Robert Turner	Walsen- burg	D. & R. G. W.	2000	5½%	Yes	-----	4	6
Murrell, James	Murrell	Huerfano	James Murrell	La Veta	None	400	30%	Yes	-----	2	6
Peachey Coal Co.	Oakdale	Huerfano	Wm. Peachey	La Veta	None	500	30%	Yes	-----	12	0
Peachey Coal Co.	Ojo	Huerfano	Wm. Peachey	La Veta	None	700	30%	-----	-----	3	6
Peaks Coal Co.	Peaks	Huerfano	Eloy Montez	Walsen- burg	None	310	13%	-----	-----	2	6
Pryor Coal Mining Co.	Pryor	Huerfano	A. S. Kinsley	Denver	R. E. Chambers	3000	7%	Yes	-----	3	to 6 0
Red Ash Coal Co.	Leader No. 2	Huerfano	Mike J. Judisack	Walsen- burg	None	1200	12%	Yes	-----	3	0
Redwood Mining Co.	Redwood	Huerfano	Gus Kosmas	Walsen- burg	None	100	35%	Yes	-----	2	4
Rogers Bros.	Rogers	Huerfano	Elden Rogers	La Veta	None	1200	11%	Yes	-----	4	6
Santa Clara Coal Co.	Rouse	Huerfano	Sam T. Taylor	Walsen- burg	Walsen- burg	552	14%	Yes	-----	5	0
Shamrock Coal Co.	Shamrock	Huerfano	J. E. Hatcher	Walsen- burg	None	150	5%	Yes	-----	3	0
Strawberry Coal Co.	Straw- berry No. 1	Huerfano	John Foderero	Walsen- burg	None	150	5%	Yes	-----	3	0
Strawberry Coal Co.	Straw- berry No. 2	Huerfano	John Foderero	Walsen- burg	None	60	80%	Yes	-----	10	0
Tompkins, J. G. & Sons	Sam George No. 3	Huerfano	J. G. Tompkins	La Veta	None	-----	-----	-----	-----	-----	-----

TABLE No. 1—Continued
 DIRECTORY OF COAL MINES IN STATE OF COLORADO FOR THE YEAR ENDED DECEMBER 31, 1939

Company	Mine	County	Mgr. or Genl. Supt.	Company P. O.	Mine Supt.	Mine P. O.	R. R.	Shaft	Slope	Opening	Pitch	Drift	Tunnel	Seam
Van Meter, J. R. & Sons	Pitch Vein Nigger-head	Huerfano	J. R. Van Meter	LaVeta			None		300	35°	Yes			6
Barnell, George M.	Marr	Jackson	George M. Barnell	Walden			None		400					50
Jackson, J. C.	Sudduth	Jackson	J. C. Jackson	Cowdrey	Ellsworth Carhuif	Cowdrey	None		75	30°	Yes			35
North Park Coal Co.	Moore													
	Strip													
Caprock Fuel Co.	Pit	Jackson	R. W. Moore	Ft. Collins	Elmer B. Brinker	Coalmont	L.N.P.W.							20
Economy Coal Co.	Caprock	Jefferson	S. M. Thompson	Denver	A. H. Chatin	Arvada	None		950	43°	None			12
Jefferson Coal Co.	Economy	Jefferson	C. O. Woodhouse	Littleton			None	250	250	75%	None			6
Leyden Lignite Co.	Virginia	Jefferson	Louis Reese	Littleton	No Report Filed		None	430			Yes			8 to 12
	Leyden													
	No. 3	Jefferson	Harry F. Nash	Denver	E. H. McCleary	Leyden via Golden	D.&L.M.	792						6 to 9
Batchelor & Richardson	Excelsior	La Plata	Chas. Batchelor	Bayfield	No report filed		None							
Black Diamond Coal Co.														
	Black Diamond													
Blume, Alfred	mond	La Plata	Louis Bodo	Durango			None		1000					4 to 5
Caranta Bros.	cock	La Plata	Alfred Blume	Hesperus			None							6
	Morning													
Castle Coal Co.	Star	La Plata	Barney Caranta	Durango			None		1200	1%	Yes			5
Coal King Mining Co.	Castle	La Plata	Henry Naff	Durango	T. N. Naff	Durango	R.G.S.							8
Crumpley, P. H.	Soda	La Plata	Vernon Cason	Hesperus			None							6
Davis, Robert L.	Springs	La Plata	P. H. Crumpley	Kline	No report filed		None		250	14%	Yes			8
Dill & Boglino	Blue Jay	La Plata	Robert L. Davis	Bayfield			None				Yes			3-5-15
	John Dill	La Plata	John Dill	Durango	Cesare Boglino	No report filed	None							3
Dufur, Xavier	Ft. Lewis	La Plata	Xavier Dufur	Aztec			None							3
				N. M.										
Durango Coal Co.	Durango	La Plata	John L. Craig	Durango			None		150	25%	Yes			40
Durkan, James T.	Durkan	La Plata	James T. Durkan	Kline	No report filed		None		200	5%	Yes			2
Fire Glow Coal Co.	Fire Glow	La Plata	Bert Coon	Palfa			None							4
Hay Gulch Coal Co.	Hunt	La Plata	Wm. Hunt	Hesperus			None							5
Hesperus-Superior Coal Co.	Hesperus	La Plata	W. R. Tabbs	Hesperus			None							4

King Coal Co.	King	La Plata	C. H. Cole	Durango	None	---	---	---	6	0
Manning, O. V.	Valley View	La Plata	O. V. Manning	Mancos	None	---	---	---	---	---
O. K. Coal Co.	J. K.	La Plata	L. D. Burnett	Durango	None	---	250	2%	5	4
Poorless Coal Co.	Poorless	La Plata	Thomas G. Pierce	Durango	None	---	2500	---	3 to 5	0
Red Glow Blacksmith						---	---	6%	4	0
C. & C. Co.	Red Glow	La Plata	J. K. & Bob Byrd	Durango	None	---	---	---	---	---
Serroni, Otto	Supreme	La Plata	Otto Serroni	Durango	No report filed	---	---	---	---	---
Sunshine Coal Co.	Sunshine	La Plata	Veva Pierce Macy	Durango	No report filed	---	---	---	5	0
Tipotsch, Frank	Tipotsch	La Plata	Frank Tipotsch	Hesperus	Incomplete report filed	---	---	---	6	0
Wieland, E. C.	Fire Chief	La Plata	E. C. Wieland	Bayfield	No report filed	---	---	---	5	7
Willse, Alan C.	Hay Gulch	La Plata	Alan C. Willse	Hesperus	None	---	---	---	14	0
Bachy Coal Co.	Bachy	Larimer	Ernest E. Berg	Carr	None	---	---	---	6	0
Ideal Coal Co.	Ideal	Larimer	George Heckman	Carr	None	---	---	---	5	10
Nogo, John	White	Larimer	John Nogo	Carr	None	---	---	---	5	4
Pioneer Coal Co.	Horse	Larimer	Howard Z. Johnson	Carr	None	---	---	---	4	0
Abeyta, Alex	Pioneer	Larimer	Howard Z. Johnson	Carr	None	---	---	---	4	6
Canon	Canon					---	---	---	---	---
Arcuri, Manuel	Mary	Las Animas	Alex Abeyta	Trinidad	None	---	---	---	4	0
Arcular Black Diamond Coal Co.	Mary	Las Animas	Manuel Arcuri	Trinidad	None	---	---	---	3	2
American Smelting & Ref. Co.	Black Diamond	Las Animas	Frank Coke	Trinidad	None	---	---	---	---	---
Arrowhead Coal Co.	Boncarbo	Las Animas	C. R. Garrett	Cokedale	G. O. Arnold	---	---	---	4	6
Bear Canon Coal Co.	Stonewall Valley	Las Animas	Gus J. Martin	Weston	None	---	---	---	5	2
Blahut, Mike	Canon	Las Animas	Wm. G. Plested	Trinidad	Leo Oss	---	---	---	---	---
Boagho, Mary	No. 6	Las Animas	Mike Blahut	Arcular	Vallorso	---	---	---	7	0
Bowen, E. E.	No. 2	Las Animas	Mary Boagho	Trinidad	None	---	---	---	5	4
Bowman, Guillermo	Aberdeen	Las Animas	E. E. Bowen	Trinidad	None	---	---	---	2	10
Bratz, Nick	Crystal	Las Animas	Guillermo Bowman	Jansen	D. & R. G. W.	---	---	---	4	0
Colorado Fuel & Iron Corp.	Rugby 5 1/2	Las Animas	Nick Bratz	Rugby	None	---	---	---	2	4
Colorado Fuel & Iron Corp.	Frederick	Las Animas	G. H. Rupp	Denver	M. M. Watson	---	---	---	2	6
Colorado Fuel & Iron Corp.	Morley	Las Animas	G. H. Rupp	Denver	G. B. Botsford	---	---	---	5	0
Deldosso Coal Co.	Sopris	Las Animas	John D. Deldosso	Trinidad	J. D. Deldosso	---	---	---	15%	---
Dick Coal Co.	Dix	Las Animas	George B. Dick	Walsen-burr	Henry R. Currie	---	---	---	1 1/2°	---
Galli, Adam	Daisy	Las Animas	Adam Galli	Arcular	Boncarbo	---	---	---	2%	---
Garcia, Benito	Garcia	Las Animas	Benito Garcia	Dicks	None	---	---	---	---	---
						---	700	---	---	---

TABLE No. 1—Continued

DIRECTORY OF COAL MINES IN STATE OF COLORADO FOR THE YEAR ENDED DECEMBER 31, 1939

Company	Mine	County	Mgr. or Genl. Supt.	Company P. O.	Mine Supt.	Mine P. O.	R.R.	Shaft	Opening		Tunnel		Seam	
									Slope	Pitch	Drift	Length		Pitch
Garcia, Gus & Sons	Garfield	Las Animas	Gus Garcia, Sr.	Boncarbo			None							6 5
Giordano Coal Co.	Gem	Las Animas	Joe Giordano	Aguilar			None		1600	15%	Yes			2 to 3 0
Glorioso & Iuppa	Lakeview	Las Animas	Chas. Gloriosio	Trinidad			None		60	10%				6 0
Green Canon Coal Co.	Green	Las Animas	George Clark	Aguilar	Frank Smith	Aguilar	None		200	1%	Yes			2 2
Highway Coal Co.	Highway	Las Animas	Thomas W. Tweed-				None				Yes			4 0
Hollingsworth, J. A.	Peacock	Las Animas	John A. Hollings-	Trinidad	Dan Scappucci	Trinidad	None				Yes			6 0
Home Fuel & Sup. Co.	Bowen	Las Animas	Dave Lowe	Trinidad			None				Yes	100		6 6
Huerfano Coal Co.	Ludlow	Las Animas	N. C. Anderson	Trinidad			None				Yes			4 to 6 0
Jeffries Fuel Co.	Jeffries	Las Animas	George Heap	Trinidad	Frank McDermott	Ludlow	C.&S.		6000	3-4%	Yes			4 0
Jewell Collieries Corp.	Jewell	Las Animas	George B. Dick	Walsen-			None				Yes			4 0
Kazle, John	Forbes	Las Animas	George B. Dick	burg.	Alex Shields	Aguilar	C.&S.		5000	18%	Yes			3 9
Lucia, Ben	No. 10	Las Animas	W. E. Riggs	Trinidad	John Kazle	Trinidad	None		400		Yes	30	6%	6 0
Maritano & Son	Valley	Las Animas	Ben Lucia	Sopris			None			2%	Yes			2 2
McPhail & Son	Maritano	Las Animas	Mike Maritano	Sopris			None				Yes			2 8
Megginson & Littleton	Skyline	Las Animas	Thomas McPhail	Aguilar			None		225	8%	Yes			3 to 8 0
Micheli, Pio	Baldy	Las Animas	E. W. Megginson	Trinidad			None		180	30%	Yes	180	30%	6 0
Morasky, Joe	Rapson	Las Animas	Pio Micheli	Rugby			C.&S.		3000	9%	Yes			3 10
Owen, William	Morasky	Las Animas	Joe Morasky	Trinidad			None				Yes			3 6
Prospect	Prospect													
Rainbow Coal Co.	No. 1	Las Animas	William Owen	Trinidad			None				Yes			2 10
Riggs, W. E.	Rainbow	Las Animas	Nick Rusceetti	Trinidad			None				Yes			2 6
Sanchez Family	No. 9	Las Animas	W. E. Riggs	Trinidad			None		5000	1½%	Yes	75	15%	7 0
Sandoval & Garcia	Sanchez	Las Animas	Joe Sanchez	Boncarbo			None		600		Yes			4 6
Santa Fe Coal Co.	Rugby	Las Animas	Wm. Sandoval	Rugby			None		380	6%				3 2
	No. 5	Las Animas	Thomas W. Tweed-				None							
Simola Fuel & Supply	Santa Fe	Las Animas	Thomas W. Tweed-	Trinidad			None				Yes			4 0
Co.	Berwind													
	Canon	Las Animas	Efisio Simola	Ludlow			C.&S.	200	700	7°	Yes			4 6

So. Monarch Fuel & Gas Co.	So. Monarch	Las Animas	C. E. Kelley	Trinidad	None	Yes	3	0
Starkville Coal Co.	New Starkville	Las Animas	Thomas W. Tweed-	Trinidad	None	Yes	5	0
Sunrise Coal Co.	Sunrise	Las Animas	Louis Fabec	Trinidad	None	Yes	4	6
Temple Fuel Co.	Brodhead	Las Animas	F. R. Wood	Trinidad	Bankrupt—No 1939 license.	Yes	3	6
Thor Fuel Co.	Thor	Las Animas	Eph. Wagstaff	Trinidad	C. & S.—D. & R. G. W.	Yes	5	0
Toller Coal Co.	Eureka (Anchor)	Las Animas	G. M. O. Toller	Trinidad	Charles Pritchard Boncarbo	Yes	2	4
Trinidad Sup. Coal Co.	Bloom	Las Animas	John Dolinar	Trinidad	None	Yes	3	0
Valdez, Felix & Partners	Rugby	Las Animas	Felix Valdez	Rugby	None	11°	3	0
Valdez, Felix & Partners	Sunflower	Las Animas	Felix Valdez	Rugby	None	9°	3	0
Vigil, Albert	Prison	Las Animas	Albert Vigil	Trinidad	None	Yes	5	0
Vickers Coal Co.	Canon	Las Animas	Victor American Fuel	Trinidad	Rugby	Yes	5	0
Victor-American Fuel Co.	Kenneth	Las Animas	F. R. Wood	Trinidad	V. J. Fretter	Yes	2	0
Weghorst, H. C.	Delagua	Las Animas	W. E. Schlessinger	Denver	Delagua	2°	2	8
West & Bittick	Wegs	Las Animas	H. C. Weghorst	Trinidad	None	12°	2	0
Albright & Warner	Banner	Las Animas	Noble L. Bittick	Aguilar	None	Yes	2	8
Aquilla, Tony	Black Diamond	Mesa	M. J. Albright	Grand Jet	None	Yes	5	0
Baughman, I. D.	Thomas	Mesa	T. J. Aquilla	Grand Jet	None	12°	5	4
Clarke Coal Co.	Hunter	Mesa	L. D. Baughman	Loma	None	Yes	4	6
Craig, L. L.	Winger	Mesa	R. M. Clarke	Palisade	None	5°	2	0
Garfield Coal Co.	Peacock	Mesa	L. L. Craig	Grand Jet	None	16°	2	0
Garhart, B. & Sons	Garfield	Mesa	Walter Scott	Palisade	None	Yes	2	8
Grasso, Nunzio	field	Mesa	B. Gearhart	Palisade	None	10°	5	6
Hicks, Ernest	Grasso	Mesa	Frank Aquilla	Grand Jet	None	18°	3	0
Hicks & Sons	McGinley	Mesa	Ernest Hicks	Grand Jet	None	3°	5	0
Hidden Treasure Coal Co.	Palisade	Mesa	Carl Hicks	Palisade	D. & R. G. W.	8°	3	6
Hughes, Wm.	Hidden	Treasure	Mesa	Frank Moran, Jr.	Fruita	Yes	3	3
Kerr Coal Co.	Midwest	Mesa	Wm. Hughes	Palisade	None	2°	3	0
Kruzich & Zang	Cameo	Mesa	W. M. Kerr	Cameo	D. & R. G. W.	7°	5	0
Marinelli, Mike	Coal	Guleh	Phil Kruzich	Loma	None	Yes	6	0
Martin Coal Co.	Blue	Marinelli	Mike Marinelli	Fruita	None	Yes	3	2
	Flame	Mesa	Richard C. Martin	Palisade	None	3°	5	9

TABLE No. 1—Continued

DIRECTORY OF COAL MINES IN STATE OF COLORADO FOR THE YEAR ENDED DECEMBER 31, 1939

Company	Mine	County	Mgr. or Genl. Supt.	Company P. O.	Mine Supt.	Mine P. O.	R.R.	Shaft	Opening		Tunnel		Seam	
									Slope	Pitch	Drift	Length		Pitch
McDowell, James	Mt. Lincoln	Mesa	James McDowell	Palisade			None				Yes			3 0
Mesa County Quality Coal Co.	Nearing	Mesa	George McMillin	Fruita			None		600	6°	Yes			6 0
Monarch Coal Co.	Williams	Mesa	R. F. Raymond	Grand Jct.			None		300	13°		60		4 4
Ottman, Robert	Corcoran	Mesa	Robert Ottman	Grand Jct.			None				Yes			3 6
Rocchio, Tony	Farmers													
Sipe, Martin & McDonald	No. 1	Mesa	Tony Rocchio	Grand Jct.			None		900	3°	Yes			2 6
Supancic, Louis	Riverside-Farmers	Mesa	Harold Sipe	Palisade	Chas. Martin		Palisade				Yes			2 6
Babb, John Jr.	View	Mesa	Louis Supancic	Cameo			None				Yes			6 0
Barmettler, E. B.	Wise	Moffat	John Babb, Jr.	Craig			None		150	6°	Yes			8 0
Domestic Coal Co.	Baker	Moffat	A. E. Barmettler	Craig			None				Yes			9 0
Fields, L. A. & Jones, C. W.	Streeter	Moffat	Geo. C. Watson	Denver	Ed. C. Shipley		D.&S.L.				Yes			25 10
Hart, G. G. & Sons	Wise Hill	Moffat	C. W. Jones	Craig			None		130	10°	Yes			7 6
Kawcak, Panko	Pinnacle	Moffat	G. G. Hart	Meeker			None		170		Yes			8 6
Knez Coal Co.	Bear	Moffat	Panko Kawcak	Craig			None		200					15 0
Lee, H. A.	Knez	Moffat	Joe L. Knez	Craig			None		600	12°		100		9 0
Levkulich, George	White Ash	Moffat	H. A. Lee	Utah, Vernal			None		350	7°	Yes			7 0
Mt. Streeter Coal Co.	Walker	Moffat	George Levkulich	Craig			None		400	10°	Yes			7 0
Whicker, H. L. & Son	Streeter	Moffat	C. G. Phelan	Axial	J. Neish		None		100	20°			19 to 23	0
Ainsworth, H. A.	Willden	Moffat	H. L. Whicker	Lay			None		90	25°	Yes			10 0
French, W. A.	Willden	Montezuma	H. A. Ainsworth	Mancos			None		500	4°	Yes			5 to 5 6
Gantz, Daniel	Altos	Montezuma	W. A. French	Cortez			None			2°	Yes			2 8
Kingrey, Walter	Gantz	Montezuma	Daniel Gantz	Cortez			None		20	4°	Yes	60		3 6
Mancos Coal Co.	Montezuma	Montezuma	Walter Kingrey	Cortez	No report filed		None		500		Yes			4 6
Spencer, Geo. S.	Mancos	Montezuma	Roy Freeman	Mancos			None				Yes			3 4
	Spencer	Montezuma	Geo. S. Spencer	Mancos			None				Yes			2 10

Wilhite, A. L.	Mesa Verde	Montezuma	Wilhite, A. L.	Cortez	None	740	7%	.....	.....	3	2
Blair, C. L.	Happy Canon	Montrose	C. L. Blair	Montrose	1939 License—No production	.....	.....	.....	.....	.....	.....
Cromie, D. W.	Cimarron	Montrose	D. W. Cromie	Montrose	None	475	.....	Yes	.....	25	0
Fagan, Leo F.	Independence	Montrose	Leo. F. Fagan	Nucla	None	.....	3%	Yes	.....	4	2
Holder, Worth L.	Pleasant Valley	Montrose	Worth L. Holder	Nucla	No report filed	100	2%	Yes	100	4	6
Mitchell, Lyle	Liberty Bell	Montrose	Lyle Mitchell	Nucla	None	.....	.....	Yes	600	5	6
Sunshine Mining Co.	Sunshine	Montrose	C. E. Nix	Nucla	None	294	.....	Yes	.....	5	6
United States Vana-dium Corp.	U. S. Vana-dium	Montrose	Blair Burwell	Nucla	None	820	.....	Yes	100	7 to 9	0
Johnson, Claude L.	Burro Creek	Ouray	Claude L. Johnson	Montrose	None	.....	5%	Yes	.....	30	0
Lowery, Ray H.	Columbine	Ouray	Ray H. Lowery	Ridgway	None	.....	.....	.....	.....	.....	.....
Placita Coal Co.	Placita	Pitkin	J. E. McCann	Carbon-dale	Crystal River & S.J.R.	1108	11%	.....	.....	4	6
Adair, Ivor	Rio Blanco	Rio Blanco	Ivor Adair	Rio Blanco	None	65	.....	.....	.....	9	0
Baxter, Arthur	Rector	Rio Blanco	Arthur Baxter	Rangely	None	.....	.....	Yes	.....	11	11
Brenton, H. F.	North Meeker	Rio Blanco	H. F. Brenton	Meeker	None	60	10%	.....	.....	5	0
Gozzer, Pete	Gentry	Rio Blanco	Pete Gozzer	Meeker	None	320	2½%	.....	.....	11	0
Pollard, C. F.	Now	Rio Blanco	C. F. Pollard	Meeker	None	.....	15%	Yes	.....	13	6
Rabaska & McCall	McKee	Rio Blanco	John Rabaska	Meeker	None	400	8%	Yes	.....	5	0
Rienau, R. C.	Rienau	Rio Blanco	R. C. Rienau	Meeker	None	.....	20%	Yes	.....	12	6
Staley, M. E.	White River	Rio Blanco	M. E. Staley	Rangely	None	500	10%	Yes	.....	9	0
Stiers, C. J.	Nine Mile	Rio Blanco	C. J. Stiers	Meeker	None	.....	.....	Yes	.....	34	0
Babson Coal Co.	Babson	Routt	John G. Mills	Hayden	None	.....	.....	Yes	.....	9	6
Bear River Coal Co.	Bear River	Routt	Wm. Morgan	Bear River	D.&S.L.	2500	11%	Yes	.....	8 to 12	0
Block Coal Co.	Block	Routt	Roy Conway	Clark	None	230	7%	Yes	40	5	4
Cherro, Tom	Cherro	Routt	Tom Cherro	Oak Creek	None	27	15%	Yes	.....	8	10
Colorado & Utah Coal Co.	Colorado	Routt	Alex C. Burt	Denver	Mt. Harris D.&S.L.	2500	16%	.....	.....	9	3
Coryell, Frank	Hayden	Routt	Frank Coryell	Hayden	None	1200	16%	.....	200	10	0
Edna Coal Co.	Edna	Routt	M. E. Corcoran	Oak Creek	None	350	8%	Yes	.....	8	0
Hammond, W. C.	Hammond	Routt	W. C. Hammond	Mt. Harris	None	250	10%	Yes	.....	4	6

TABLE No. 1—Continued
 DIRECTORY OF COAL MINES IN STATE OF COLORADO FOR THE YEAR ENDED DECEMBER 31, 1939

Company	Mine	County	Mgr. or Genl. Supt.	Company P. O.	Mine Supt.	Mine P. O.	R.R.	Opening		Shaft	Tunnel		Seam
								Slope	Pitch		Length	Pitch	
Hayden Coal Co.	Grassy Creek	Routt	G. R. Harris	Denver	Thos. P. Green- halgh	Mt. Harris	None	---	---		180	---	10 0
Hayden Coal Co.	Hayden No. 3	Routt	Ramsay S. Harris	Denver	Wm. Redshaw	Haybro	D. & S. L.	---	---	365	---	---	6 2
Hazen, Henry R.	Middle Creek	Routt	Henry R. Hazen	Oak Creek			D. & S. L.	---	---		---	---	12 0
Hi-Heat Coal Co.	Hi-Heat	Routt	W. F. Blogg	Milner			None	---	30°		---	---	9 0
Hubbard, Frank D.	Postal	Routt	Frank D. Hubbard	Oak Creek			None	700	---		---	---	5 6
Hutton, G. D.	Little Male	Routt	G. D. Hutton	Oak Creek			None	60	10%		---	---	7 0
Jones, R. C.	(Black Cat)	Routt	R. C. Jones	Bear River			None	400	5%		---	---	5 6
Keystone Coal Co.	Keystone	Routt	W. H. Peltier	Denver	Frank Andrews	Routt	D. & S. L.	3000	15%		---	---	6 0
Linn, David D.	Daves												
Moffat Coal Co.	Grand Baby	Routt	David D. Linn	Oak Creek			None	50	20%		---	---	9 4
	Moffat Nos. 1 and 2	Routt	B. W. Snodgrass	Denver	Gomer Reese	Oak Creek	D. & S. L.	1100	---		3000	---	5 to 12 0
Park, Daniel	McGregor	Routt	Daniel Park	McGregor			D. & S. L.	1500	---		---	---	7 0
Pollo, John Jr.	Morgan	Routt	John Pollo, Jr.	Steamboat Spgs.			None	150	5°		---	---	8 0
Reish, Orrel O.	Blue Spruce	Routt	Orrel O. Reish	Oak Creek			None	400	37%		---	---	6 0
Rolfes, George T.	Arto Gulch	Routt	George T. Rolfes	Oak Creek			None	---	---		---	---	8 0
Rolfes, George T.	Weber	Routt	John Mathews	Oak Creek			None	---	---		---	---	8 5
Seven Points Coal Co.	Seven Points	Routt	E. Gwynn	Phippsburg			None	---	---		---	---	12 0
Sleepy Cat Coal Co.	Sleepy Cat	Routt	C. A. Baker	Hayden	C. A. Baker, Jr.	Hayden	None	12	7%		---	---	4 6
Steele, George	Apex	Routt	George Steele	Oak Creek			None	280	---		---	---	4 6
Stukey, Daniel	Fish Creek	Routt	Daniel Stukey	Steamboat Spgs.			None	625	7%		---	---	12 0
Templeton, D. W.	Big Mack	Routt	D. W. Templeton	Oak Creek			None	---	30°		---	---	5 0
								250	---		---	---	

Thompson, Harry	Wonder Valley	Routt	Harry Thompson	Steamboat Sgts.	1939 License	No production	None	None	100	12% 2%	Yes	65	7 0 5 0 12 to 4 0
Tow Creek Coal Co.	Tow Creek Routt	Bruce David	Milner						70		Yes		
Victor-American Fuel Co.	Pinnacle	Routt	W. E. Schlessinger	Denver	W. B. Odendahl	Oak Creek D.&S.L.					Yes		
Victor-American Fuel Co.	Wadge	Routt	W. E. Schlessinger	Denver	H. C. Johnson	Mt. Harris D.&S.L.			4500	10%	Yes		8 6
Walker & Huntington	Bruce	Routt	Alex Walker	Hayden			None		330	13°			9 0
Crisp, Earl M.	Keck-Rance	Routt	San Miguel	Earl M. Crisp	Norwood		None		100	45°	Yes		2 6
Elder, Gene	Elder	Routt	San Miguel	Gene Elder	Norwood		None		200		Yes		3 0
Horton Coal Co.	Horton	Routt	San Miguel	J. R. Horton	Norwood		None				Yes		3 0
Knowlton, W. H.	O. K.	Routt	San Miguel	W. H. Knowlton	Norwood		None				Yes		3 4
Stoddard, Mrs. W.	Gray	Routt	San Miguel	Mrs. W. Stoddard	Norwood		None				Yes		2 8
Black Nugget Coal Co.	Black	Routt											
Nugget	Weld		John D. Bohlender	LaSalle			None		125				3 8
Bohlender Coal Co.	Bohlender	Weld	Ben Bohlender	LaSalle			None						4 0
Boulder Valley Coal Co.	Boulder Valley	Weld	Fred Nesbit	Denver	Wm. Andrew	Erie	U.P.		250	20°	Yes	174	7 0 2 6 2 8
Brundy, R. L.	Tamoc	Weld	R. L. Brundy	Cornish			None						
Buddy	Buddy	Weld	A. Bud Early	Greeley			None						
Carbon Coal Co.	Evans	Weld	George Zarleno	Denver	John E. Daley	Frederick	U.P.						8 0
Castleman, Walter	Galeton	Weld	Walter Castleman	Galeton	No report filed		None						4 0
Clayton Coal Co.	Clayton	Weld	H. B. Crandell	Denver	John Sidel	Erie	U.P.						9 0
Clayton Coal Co.	Morrison	Weld	H. B. Crandell	Denver	John Sidel	Erie	U.P.						8 0
Comet Coal Co.	Comet	Weld	S. M. Thompson	Galeton	Jake Stanley	Galeton	None						5 6
Consolidated Coal & Coke Co.	Taun.	Weld	Carson W. Smith	Denver	John Jurecheck	Dacono	U.P.						7 0
Diamond Coal Co.	Diamond	Weld	Fred Simpson	LaSalle			None						4 3
Graden Coal Co.	Graden	Weld	Jas. A. McFadden	Denver	Jas. A. McFadden	Dacono	None						7 6
Imperial Coal Co.	Imperial	Weld	James Brennan	Denver	Elmer Ellis	U.P.	None						10 6
Keota Coal Co.	Keota	Weld	H. S. Peaker	Briggsdale			None						6 6
McNeil Coal Corp.	Sterling	Weld	Floyd R. Pool	Denver	A. W. Newcomb	Dacono	U.P.						7 0
National Fuel Co.	Earle	Weld	T. E. Jenkins	Denver	Roy Williams	Erie	U.P.						9 to 10 0
National Fuel Co.	Puritan	Weld	T. E. Jenkins	Denver	Roy Williams	Erie	U.P.						5 to 7 0
Park Coal Co.	Monroe	Weld	C. H. Brennan	Erie			None		300	35%	Yes	70	4 6 6 6 5 to 8 0
Rocky Mtn. Fuel Co.	Columbine	Weld	Josephine Roche	Denver	Harry Swihart	Serene	C.B.&Q		625	25%			
Rocky Mtn. Fuel Co.	Grant	Weld	Josephine Roche	Denver	Thos. Gibby	Frederick	U.P.						
Russell, Wm. E. Coal Co.	Russell	Weld	W. E. Russell	Denver	Andrew Wilson	Frederick	U.P.						6 0
Shamrock Coal Co.	Shamrock	Weld	Fred B. Foreman	Erie			U.P.						8 0
White Ash Coal Co.	White Ash	Weld	W. L. Barker	LaSalle			None						2 8

TABLE NO. 2

TABLE SHOWING, BY COMPANY AND INDIVIDUAL OPERATORS, NUMBER OF TONS PRODUCED, NUMBER OF MEN EMPLOYED AND NUMBER OF MEN INJURED FOR THE YEAR 1939

COMPANIES	Total Production	Average No. of Men Employed	No. of Fatal Accidents	No. of Non-Fatal Accidents
Aaron Coal Co.....	896	6	.....	.....
Abeyta, Alex.....	180	2	.....	.....
Acuri, Manuel.....	169	3	.....	.....
Adair, Ivor.....	890	2	.....	.....
Aguiar Black Diamond Coal Co.....	3,435	10	.....	1
Ainsworth, H. A.....	1,744	4	.....	.....
Albright & Warner.....	.....	.....	.....	.....
1939 license, no production reported	.....	.....	.....	.....
Altitude Fuel Co.....	3,224	4	.....	.....
American Smelting & Refining Co.....	102,375	166	1	5
Annex Coal Co.....	1,221	3	.....	.....
Aquilla, Tony.....	998	6	.....	.....
Arrowhead Coal Co.....	26	1	.....	.....
Audin, C. & Sons.....	4,437	7	.....	.....
Ausec, Frank.....	2,184	3	.....	.....
Aztec Coal Mining Co.....	5,590	34	.....	.....
Babb, John, Jr.....	864	3	.....	.....
Babson Coal Co.....	2,846	4	.....	.....
Bachy Coal Co.....	209	4	.....	.....
Baione, Joe.....	1,948	7	.....	.....
Bald Coal Co., no report filed.....	613	11	.....	.....
Baldwin Fuel Co.....	900	3	.....	.....
Barber Asphalt Corp.....	460	4	.....	.....
Barker Coal Co.....	2,181	3	.....	1
Barmettler, E. B. (Deceased).....	66	2	.....	.....
Barnell, George M.....	2,071	5	.....	1
Batchelor, Chas. & Richardson, Dan.....	.....	.....	.....	.....
1939 license, no report filed	.....	.....	.....	.....
Baughman, L. D.....	75	3	.....	.....
Baxter, Arthur.....	678	1	.....	.....
Bear Canon Coal Co.....	32,305	59	1	1
Bear Coal & Coke Co.....	16,091	21	.....	1
Bear River Coal Co.....	22,684	73	.....	2
Bellino, Frank.....	.....	.....	.....	.....
1939 license, no report filed	.....	.....	.....	.....
Bierce, James A.....	492	2	.....	.....
Big Three (3) Coal Co.....	417	3	.....	.....
Big 5 Coal Co.....	8,397	4	.....	1
Black Diamond Coal & Coke Co.....	994	2	.....	.....
Black Diamond Fuel Co.....	41,367	55	1	5
Black Hawk Coal Mining Co.....	7,731	21	.....	3
Black Nugget Coal Co.....	212	3	.....	.....
Blahut, Mike.....	326	4	.....	.....
Blair, C. L.....	None	.....	.....	.....
1939 license, mine closed	.....	.....	.....	.....
Block Coal Co.....	443	3	.....	.....
Blue Blaze Coal Co.....	2,957	13	.....	3
Bluff Springs Leasing Co.....	18,330	59	.....	4
Blume, Alfred.....	625	2	.....	.....
Boaglio, Mary.....	167	2	.....	.....
Bohlender Coal Co.....	2,121	5	.....	4
Boulder Valley Coal Co.....	280,832	322	1	28
Bowen, E. E.....	964	15	.....	.....
Bowman, Guillermo.....	723	2	.....	.....

TABLE NO. 2—Continued

COMPANIES	Total Production	Average No. of Men Employed	No. of Fatal Accidents	No. of Non-Fatal Accidents
Bratz, Nick.....	82	3	.....	.....
Brenton, H. F.....	104	2	.....	.....
Brookside Coal Mining Co., Inc.....	3,400	9	.....	2
Brundy, R. L.....	300	3	.....	.....
Buddy Coal Co.....	1,012	5	.....	.....
Butte Valley Coal Co.....	41,966	71	.....	4
Caddell, Ed.....	682	7	.....	.....
Caldirola Coal Co.....	42,139	40	.....	.....
Calumet Fuel Co.....	269,915	216	1	18
Canon Black Diamond Coal Co.....	24,193	28	.....	2
Canon Blue Ribbon Coal Co.....	1,833	13	.....	.....
1939 license, no report filed				
Canon Chief Coal Co.....	14,735	7	.....	.....
Canon Coal Creek Coal Co.....	265	1	.....	.....
Canon Eagle Coal Co.....	2,028	4	1	.....
Canon Ideal Coal Co.....	25	1	.....	.....
Canon Imperial Coal Co.....	1,330	6	.....	.....
Canon Liberty Coal Co.....	499	2	.....	.....
Canon Monarch Coal Co.....	28,931	47	.....	4
Canon National Coal Co.....	15,446	11	1	4
Canon Peacock Coal Co.....	None	.....	.....	.....
1939 license, mine closed				
Caprock Fuel Co.....	30,059	21	.....	5
Caranta Bros.....	1,542	3	.....	.....
Carbon Creek Coal Co.....	879	3	.....	2
Carbon Coal Co.....	23,117	24	.....	.....
Castle Coal Co.....	9,404	13	.....	4
Castleman, Walter.....	.....	.....	.....	.....
1939 license, no report filed				
Castle Rock Coal Co.....	259	1	.....	.....
Charm Coal Co.....	157	1	.....	.....
Chergo, Tom.....	171	2	.....	.....
Clara Bell Coal Co.....	14,976	17	.....	2
Clarke Coal Co.....	4,524	6	.....	.....
Clayton Coal Co.....	193,997	204	.....	16
Coal King Mining Co.....	1,778	4	.....	.....
Coles, W. E.....	8,580	6	.....	.....
Colorado Fuel & Iron Corp.....	1,153,945	1,382	1	119
Colorado Springs Co.....	38,371	44	.....	.....
Colorado & Utah Coal Co.....	167,347	194	1	18
Comet Coal Co.....	980	6	.....	.....
Consolidated Coal & Coke Co.....	84,948	104	.....	3
Cordray & Spohr.....	77	2	.....	.....
Corley, W. D., Jr.....	13,823	28	.....	.....
Coryell, Frank.....	11,195	21	.....	1
Cottonwood Coal Co.....	901	2	.....	.....
Courtier, Harris.....	22,166	22	.....	1
Cox, T. L.....	276	1	.....	.....
Craig, L. L.....	.....	.....	.....	.....
1939 license, no report filed				
Crane, Leroy R.....	1,587	3	.....	1
Crescent Coal Co.....	75	3	.....	.....
Crested Butte Coal Co.....	22,377	25	.....	3
Crisp, Earl M.....	434	3	.....	.....
Cromie, D. W.....	454	1	.....	.....
Crumpley, P. H.....	420	2	.....	.....
1939 license, no report filed				
Dalrymple, J. M.....	1,342	4	.....	.....
Danville Coal Co.....	1,662	2	.....	.....
Davis, Robert L.....	55	1	.....	.....

TABLE NO. 2—Continued

COMPANIES	Total Production	Average No. of Men Employed	No. of Fatal Accidents	No. of Non-Fatal Accidents
DeBoy, Frank.....	44	1	.....	.....
Deldosso Coal Co.....	16,448	27	.....	1
Diamond Coal Co.....	1,895	5	.....	.....
Diamond Fuel Co.....	152	3	.....	.....
DiGiacomo, Tony.....	485	2	.....	.....
Dill & Boglino.....	167	2	.....	.....
1939 license, no report filed				
Dick Coal Co.....	36,023	34	.....	1
Domestic Coal Co.....	29,231	14	.....	7
Double Dick Coal Co.....	27,091	18	.....	.....
Downs, L. M.....	None	.....	.....	.....
1939 license, mine closed				
Duca, Joseph Z.....	3,488	8	.....	3
Dufur, Xavier.....	381	2	.....	.....
Durango Coal Co.....	1,941	4	.....	3
Durkan, James T.....		.....	.....	.....
1939 license, no report filed				
Eckert, J. Andrew.....	1,245	3	.....	.....
Economy Coal Co.....	4,100	6	.....	.....
Edna Coal Co.....	57	2	.....	.....
Edwards, George W.....	3,296	4	.....	.....
Elder, Gene.....	145	1	.....	.....
Eldorado Coal Co.....	869	6	.....	.....
1939 license, mine closed				
Evans Coal Co.....	2,385	6	.....	1
Fagan, Leo F.....	507	3	.....	.....
Falco, Adolph.....	984	4	.....	.....
Fawn Hollow Coal Co.....	515	4	.....	1
Fields, L. A. & Jones, C. W.....	299	2	.....	.....
Fire Glow Coal Co.....	632	2	.....	.....
Fitzsimmons, E. A.....	354	3	.....	.....
Florence Coal Co.....	338	3	.....	.....
Florence Coal Mines, Inc.....	767	9	.....	.....
Franceville Coal Co.....	3,823	6	.....	2
French, W. A.....	62	1	.....	.....
Galli, Adam.....	5,458	7	.....	1
Gantz, Daniel.....	55	3	.....	.....
Garcia, Benito.....	352	2	1	.....
Garcia, Gus & Sons.....	345	3	.....	.....
Garfield Coal Co.....	9,427	9	.....	1
Gaspar, Louis.....	24,607	36	.....	3
Gearhart, B. & Sons.....	7,130	8	.....	.....
Gem Coal Co.....	2,233	5	.....	5
Giordano Coal Co.....	2,782	9	.....	.....
Giordano & Caliente Coal Co's.....	5,082	57	.....	3
Giuliano-Carpine Coal Co.....	59,473	62	1	5
Gloriosa & Iuppa.....	2,225	3	.....	.....
Gordon Coal Co.....	29,888	46	.....	3
Graden Coal Co.....	38,508	39	.....	2
Grasso, Nunzio.....	480	2	.....	.....
Green Canon Coal Co.....	116	1	.....	.....
Green Valley Coal Co.....	7,344	6	.....	1
Griffiths Coal Mining Co.....	9,676	20	.....	1
Gozzer, Pete.....	728	2	.....	.....
Haas, Bill.....	990	2	.....	.....
Halcumb, N. H.....	475	3	.....	.....
Hammond, W. C.....	368	2	.....	.....
Hart, G. G. & Sons.....	2,738	3	.....	.....
Hayden Coal Co.....	132,372	217	1	17

TABLE NO. 2—Continued

COMPANIES	Total Production	Average No. of Men Employed	No. of Fatal Accidents	No. of Non-Fatal Accidents
Hay Gulch Coal Co.....	2,611	3	.....	.....
Hazen, Henry R.....	387	5	.....	.....
Hedley, W. H.....	780	2	.....	.....
Hesperus-Superior Coal Co.....	1,395	3	.....	.....
Hicks, Ernest.....	2,393	3	.....	.....
Hicks & Sons.....	4,139	6	.....	.....
Hidden Treasure Coal Co.....	1,725	5	.....	.....
High View Coal Co.....	4,798	5	.....	1
Highway Coal Co.....	935	2	.....	.....
Hi-Heat Coal Co.....	76	1	.....	.....
Hiland Coal Mines, Inc.....	3,071	4	.....	1
Hillside Coal Co.....	68	3	.....	.....
Holder, Worth L.....	63	2	.....	.....
1939 license, no report filed				
Hollingsworth, John A.....	346	2	.....	.....
Home Fuel & Supply Co.....	2,307	3	.....	.....
Horace Miners Ass'n.....	1,989	9	.....	.....
Horton Coal Co.....	142	1	.....	.....
Hubbard, Frank D.....	492	3	.....	.....
Huerfano Coal Co.....	46,636	108	2	1
Hughes, Wm.....	2,142	4	.....	.....
Hutton, G. D.....	60	1	.....	.....
Ideal Coal Co. (Huerfano).....	3,060	19	.....	.....
Ideal Coal Co. (Larimer).....	1,343	3	.....	.....
Imperial Coal Co.....	128,903	127	.....	12
Independent Fuel Co.....	1,625	5	.....	.....
Jackson, J. C.....	848	3	.....	.....
Jackson, R. M.....	89	2	.....	1
James, Lawrence.....	487	2	.....	.....
Jefferson Coal Co.....	2,610	6	.....	1
1939 license, no report filed				
Jeffries Fuel Co.....	2,850	6	.....	1
Jenkins & Lewis Coal Co.....	198	2	.....	1
Jewell Collieries Corp.....	16,638	42	.....	3
Jimmy Camp Fuel Co.....	2,692	4	.....	.....
Johnson, Claude L.....	300	2	.....	.....
Jones, R. C.....	194	2	.....	.....
Juanita Coal & Coke Co.....	35,903	40	.....	.....
Kawcak, Panko.....	91	2	.....	.....
Kazle, John.....	499	2	.....	.....
Keota Coal Co.....	51	2	.....	.....
Kerr Coal Co.....	32,759	45	.....	2
Keystone Coal Co.....	60,859	103	1	14
King Coal Co.....	1,972	3	.....	.....
Kingrey, Walter.....	849	3	.....	.....
Klikus Coal Co.....	225	2	.....	.....
Knez, Joe L.....	10,495	13	.....	3
Knowlton, W. H.....	274	1	.....	.....
Ko-Z Coal Mining Co.....	6,801	11	.....	3
Kruzich & Zang.....	352	2	.....	.....
Lee, H. A.....	449	2	.....	.....
Levkulich, George.....	90	1	.....	.....
Leyden Lignite Co.....	121,856	113	.....	9
Liley & Merlino.....	10,983	17	.....	8
Linn, David D.....	554	5	.....	.....
Little Johnny Coal Co.....	1,875	9	.....	.....
Llewellyn Coal Co.....	1,567	4	.....	.....

TABLE NO. 2—Continued

COMPANIES	Total Production	Average No. of Men Employed	No. of Fatal Accidents	No. of Non-Fatal Accidents
Logan, A. W.....	75	2	.....	.....
Louisville-Lafayette Coal Co.....	130,243	139	1	17
Lowery, Ray H.....	.....	.....	.....	.....
1939 license, no report filed	.....	.....	.....	.....
Lucia, Ben.....	215	2	.....	.....
Maitland Fuel & Caliente Coal Co's.....	2,912	54	.....	.....
Major Coal Co.....	14,579	32	.....	3
Maloney, Joe.....	3,271	14	.....	1
1939 license, no report filed	.....	.....	.....	.....
Mancos Coal Co.....	968	8	.....	.....
Manley Coal Mining Co.....	6,615	14	1	1
Manning, O. V.....	851	3	.....	.....
Marinelli, Mike.....	187	2	.....	.....
Martin Coal Co.....	2,812	4	.....	1
Martorano & Son.....	1,262	4	.....	.....
McBroom, Charley.....	15	1	.....	.....
McCune & Boscia.....	494	6	.....	.....
McDowell, James.....	428	2	.....	.....
McLaughlin Coal Co.....	10,114	22	.....	5
McNeil Coal Corp.....	79,284	77	.....	5
McPhail & Son.....	150	1	.....	.....
Meggison & Littleton.....	8,376	10	.....	3
Mesa County Quality Coal Co.....	923	2	.....	1
Micheli, Pio.....	9,864	16	1	1
Minnequa Fuel Co.....	28,395	37	.....	3
Mitchell, Lyle.....	901	3	.....	.....
Moffat Coal Co.....	124,571	233	1	19
Monarch Coal Co.....	1,014	3	.....	.....
Morasky, Joe.....	2,923	5	.....	.....
Moschetti, Tony.....	702	3	.....	.....
1939 license, no report filed	.....	.....	.....	.....
Mount Carbon Anthracite Co.....	1,087	5	.....	.....
Mount Streeter Coal Co.....	11,691	7	.....	2
Murrell, James.....	326	2	.....	.....
National Fuel Co.....	161,123	251	.....	33
Nerone & Rigerozzi Bros.....	None	.....	.....	.....
1939 license, mine closed	.....	.....	.....	.....
Newland, Bordy.....	4,500	4	.....	.....
Nogo, John.....	396	2	.....	.....
North Park Coal Co.....	13,551	20	.....	1
Nushaft Canon Coal Co.....	36,433	43	.....	4
O K Coal Co.....	4,648	7	.....	.....
Oliver Coal Co.....	73,456	64	.....	2
Owen, William.....	339	1	.....	.....
Owens, Louis.....	359	2	.....	.....
Ottman, Robert.....	247	2	.....	.....
Paolazzi & Moda.....	1,339	2	.....	.....
Paonia Farmers Coal Co.....	4,755	4	.....	.....
Paramount Coal Co.....	424	5	.....	1
Park Coal Co.....	4,459	6	.....	2
Park, Daniel.....	8,701	6	.....	.....
Partch Bros.....	345	3	.....	.....
Patton, Lloyd L.....	3,634	5	.....	.....
Peachey Coal Co.....	6,735	18	.....	2
Peaks Coal Co.....	117	2	.....	.....
Peerless Coal Co.....	1,070	2	.....	.....
Perino Coal Co.....	5,448	7	.....	2
Petry Bros.....	250	2	.....	.....
Pikes Peak Fuel Division of the Golden Cycle Corp.....	182,873	127	.....	11

TABLE NO. 2—Continued

COMPANIES	Total Production	Average No. of Men Employed	No. of Fatal Accidents	No. of Non-Fatal Accidents
Pine Cliff Coal Co.....	3,200	6	.....	1
Pioneer Coal Co.....	500	3	.....	.....
Pittsburgh Coal Co.....	1,161	3	.....	.....
Placita Coal Co.....	998	3	.....	.....
Pluto Coal Mining Co.....	14,801	22	.....	2
Pollard, C. F.....	677	1	.....	.....
Pollo, John Jr.....	None	.....	.....	.....
1939 license, mine closed				
Premier Coal Co.....	1,376	4	.....	2
Pryor Coal Mining Co.....	71,545	118	1	2
Rabska & McCall.....	266	2	.....	.....
Rainbow Coal Co.....	434	2	.....	.....
Red Ash Coal Co.....	7,260	14	.....	3
Red Glow Blacksmith C. & C. Co.....	.....	.....	.....	.....
1939 license, no report filed				
Redwood Mining Co.....	135	2	.....	.....
Reish, Orrel O.....	50	2	.....	.....
Rienau, R. C.....	837	2	.....	.....
Rifle Coal Mines Inc.....	735	2	.....	.....
Riggs, W. E.....	1,662	3	.....	.....
Ritchneg, John.....	.....	.....	1	.....
No license, driving prospect tunnel				
Rocchio, Tony.....	3,184	8	.....	.....
Rocky Mountain Fuel Co.....	383,724	484	1	59
Rogers Bros.....	840	2	.....	.....
Rolfes, George T.....	7,202	8	.....	.....
Ross Coal Co.....	1,995	4	.....	.....
Royal Gorge Coal Co.....	7,040	16	.....	3
Russell, Wm. E. Coal Co.....	74,705	95	.....	12
Sanches Family.....	1,103	2	.....	.....
Sandoval & Garcia.....	1,384	4	.....	.....
Santa Clara Coal Co.....	15,700	28	.....	4
Santa Fe Coal Co.....	479	3	.....	.....
Serroni, Otto.....	.....	.....	.....	.....
1939 license, no report filed				
Seven Points Coal Co.....	458	2	.....	.....
Shamrock Coal Co. (Huerfano).....	3,051	4	.....	.....
Shamrock Coal Co. (Weld).....	31,432	58	.....	1
Simola Fuel & Supply Co.....	926	5	.....	1
Sipe, Martin & McDowell.....	1,658	4	.....	.....
Sleepy Cat Coal Co.....	653	5	.....	.....
South Canon Mine Leasing Co.....	16,775	17	.....	5
So. Monarch Fuel & Gas Co.....	908	3	.....	.....
Spencer, George S.....	75	1	.....	.....
Staley, M. E.....	3,315	3	.....	.....
Stander, Joe.....	159	2	.....	.....
Staples, S. L. & Son.....	1,112	2	.....	.....
Starkville Coal Co.....	2,755	4	.....	.....
States-Hall Coal Co.....	1,435	2	.....	2
States, Welland W.....	3,336	4	.....	.....
Steele, George.....	4,004	6	.....	.....
Stiers, C. J.....	645	2	.....	.....
Stoddard, Mrs. W.....	186	3	.....	.....
Stove Canon Coal Co.....	5,306	6	.....	.....
Strawberry Coal Co.....	1,867	4	.....	.....
Streenan, John.....	2,922	6	.....	.....
Stukey, Daniel.....	72	2	.....	.....
Sunrise Coal Co.....	494	3	.....	.....
Sunshine Coal Co.....	2,954	2	.....	1

TABLE NO. 2—Continued

COMPANIES	Total Production	Average No. of Men Employed	No. of Fatal Accidents	No. of Non-Fatal Accidents
Sunshine Mining Co.....	610	2	.....	.....
Supancic, Louis.....	6,007	8	.....	.....
Temple Fuel Co.....	1,181	97	.....	.....
No 1939 license, no report filed				
Templeton, D. W.....	287	2	.....	.....
Terry, H. F. & Sons.....	174	3	.....	.....
Thompson, Harry.....	None	.....	.....	.....
1939 license, mine closed				
Thor Fuel Co.....	12,482	29	.....	6
Tipotsch, Frank.....	346	1	.....	.....
1939 license, incomplete report				
Toller Coal Co.....	2,728	45	.....	.....
Tompkins, J. G. & Sons.....	304	3	.....	.....
Tow Creek Coal Co.....	150	1	.....	.....
Trinidad Supply Coal Co.....	132	2	.....	.....
United States Vanadium Corp.....	25,140	23	.....	4
Valdez, Felix & Partners.....	701	6	.....	.....
Van Meter, J. R. & Sons.....	1,827	4	.....	.....
Vigil, Albert.....	426	2	.....	.....
Vickers Coal Co.....	45,888	70	.....	4
Victor-American Fuel Co.....	384,681	672	4	76
Walker Coal Co.....	1,862	7	.....	1
Walker & Huntington.....	1,351	3	.....	.....
Weghorst, H. C.....	117	4	.....	.....
West & Bittick.....	12	2	.....	.....
Western Star Coal Co.....	499	2	.....	.....
Whicker, H. L. & Son.....	51	1	.....	.....
White Ash Coal Co.....	491	4	.....	.....
Wieland, E. C.....	.....	.....	.....	.....
1939 license, no report filed				
Wilhite, A. L.....	680	3	.....	.....
Wiltse, Alan C.....	986	3	.....	.....
Winton Coal Co.....	3,640	4	.....	.....
Zaptiff, Ross.....	445	3	.....	.....
Zieseniss, Henry.....	1,190	2	.....	.....
TOTAL OF STATE.....	5,991,022	8,413	26	699

TABLE NO. 3

MINE FATALITIES BY CAUSES, 1935-1939 INCLUSIVE
(As Per Revised Government Form)

CAUSES	YEARS				
	1935	1936	1937	1938	1939
Underground:					
1. Falls of roof (rock, coal or draw slate)	10	3	9	12	13
2. Roof fall due to car or machine knocking out post.....	....	....	....	....	....
3. Falls of face or rib.....	1	11	6	6	2
4. Rush of coal, rock or gob.....	....	....	....	....	....
5. Other falling material or objects (not being handled by injured worker) .....	....	....	....	....	1
6. Falls of persons.....	....	....	....	....	....
7. Handling materials.....	....	....	....	....	....
8. Hand tools.....	....	....	....	....	1
9. Stepping on nails or other sharp objects .....	....	....	....	....	....
10. Striking or bumping against objects .....	....	....	....	....	....
11. Mine cars and mine locomotives....	3	2	3	5	4
12. Explosions of gas or coal dust.....	....	8	....	....	1
13. Explosives (not including those in No. 12).....	5	1	1	....	....
14. Electricity (not resulting in explosions) .....	....	....	2	3	3
15. Machinery	1	....	....	2	1
16. Suffocation from natural gases (not from mine fires or explosions)....	....	....	1	....	....
17. Mine fires (burns, suffocations, etc.) .....	....	....	....	....	....
18. All other accidents underground....	1	....	....	....	....
Total Underground.....	21	25	23	28	26
19. Shaft and slope.....	2	....	....	1	....
20. Falls or slides of coal or overburden .....	....	....	....	....	....
Surface (including tippie, breaker, shops & yards)					
34. Mine cars and mine locomotives....	1	....	1	....	....
35. Railway cars and locomotives.....	1	....	....	....	....
36. Handling materials.....	....	....	....	....	....
37. Hand tools.....	....	....	....	....	....
38. Falls of persons.....	....	....	....	1	....
39. Falling objects.....	....	....	....	....	....
40. Machinery on surface.....	....	....	....	....	....
41. Electricity .....	....	1	....	....	....
42. Explosives .....	....	....	....	1	....
43. All other surface accidents.....	1	3	....	....	....
Total Surface.....	5	4	1	3	....
GRAND TOTAL.....	26	29	24	31	26

NUMBER INJURED IN COAL MINES IN COLORADO DURING THE YEAR
ENDED DEC. 31, 1939

Government Classification
Time Lost—5 or More Days

CAUSES

Underground

1. Falls of roof (rock, coal or draw slate).....	106
2. Roof falls due to car or machine knocking out post.....	9
3. Falls of face or rib.....	63
4. Rush of coal, rock or gob.....	12
5. Other falling material or objects (not being handled by injured worker)	3
6. Falls of persons.....	29
7. Handling materials.....	24
8. Hand tools.....	35
9. Stepping on nails or other sharp objects.....	...
10. Striking or bumping against objects.....	3
11. Mine cars and mine locomotives.....	94
12. Explosions of gas or coal dust.....	1
13. Explosives (not including those in No. 12).....	3
14. Electricity (not resulting in explosions).....	7
15. Machinery	51
16. Suffocation from natural gases (not from mine fires or explosions).....	...
17. Mine fires (burns, suffocations, etc.).....	...
18. All other accidents underground.....	203
TOTAL UNDERGROUND.....	643
19. Shaft and slope.....	1
20. Falls or slides of coal or overburden.....	...

Surface (including tippie, breaker, shops & yards)

34. Mine cars and mine locomotives.....	10
35. Railway cars and locomotives.....	1
36. Handling materials.....	6
37. Hand tools.....	4
38. Falls of persons.....	12
39. Falling objects.....	5
40. Machinery on surface.....	6
41. Electricity	1
42. Explosives	...
43. All other surface accidents.....	10
TOTAL SURFACE.....	56
GRAND TOTAL.....	699

TABLE NO. 4

SHOWING BY COUNTIES, MINES OPERATED, NAME OF OPERATOR AND ADDRESS OF MINE, CHARACTER OF COAL, NUMBER OF DAYS WORKED, AVERAGE NUMBER OF MEN EMPLOYED, TOTAL NUMBER OF TONS OF COAL PRODUCED IN 1939, AND CAPACITY OF MINE PER DAY IN TONS.

ARCHULETA COUNTY

Name of Mine	Name of Company	Mine Postoffice	Character of Coal	Number of Days Worked	Average No. of Men Employed	Total Number of Tons Produced	Capacity of Mine Per Day, Tons
Columbine.....	Crane, Leroy R.....	Bayfield.....	Sub-bituminous.....	185	3	1,587	20
Shamrock.....	Bierce, James A.....	Bayfield.....	Sub-bituminous.....	128	2	492	10
Cox.....	Cox, T. L.....	Pagosa Springs.....	Sub-bituminous.....	116	1	276	.....
McBroom.....	McBroom, Charley.....	Farmington, N. M.....	Sub-bituminous.....	8	1	15	3
Number	of mines licensed: 5		Average "Man days"	133.6	7	2,370	33

BOULDER COUNTY

Centennial.....	Boulder Valley Coal Co.....	Louisville.....	Sub-bituminous.....	240	183	169,535	1,500
Hi-Way.....	Louisville-Lafayette Coal Co.....	Broomfield.....	Sub-bituminous.....	202	139	130,242	1,000
Industrial.....	Rocky Mountain Fuel Co.....	Superior.....	Sub-bituminous.....	148	127	83,218	600
Monarch No. 2.....	National Fuel Co.....	Broomfield.....	Sub-bituminous.....	120	56	46,340	400
Black Diamond No. 2.....	Black Diamond Fuel Co.....	Lafayette.....	Sub-bituminous.....	278	55	41,367	450
Crown.....	Wm. E. Russell Coal Co.....	Superior.....	Sub-bituminous.....	237	23	25,111	250
Regal.....	Gaspar, Louis.....	Louisville.....	Sub-bituminous.....	292	36	24,607	150
Lewis No. 2.....	Courtier, Harris.....	Gorham.....	Sub-bituminous.....	252	22	22,166	150
Pluto No. 2.....	Pluto Coal Mining Co.....	Superior.....	Sub-bituminous.....	186	22	14,801	125
Liley.....	Liley & Merlino.....	Louisville.....	Sub-bituminous.....	183	17	10,983	100

TABLE NO. 4—Continued
BOULDER COUNTY—Continued

Name of Mine	Name of Company	Mine Postoffice	Character of Coal	Number of Days Worked	Average No. of Men Employed	Total Number of Tons Produced	Capacity of Mine Per Day, Tons
Gorham.....	McLaughlin Coal Co.....	Superior.....	Sub-bituminous.....	165	22	10,114	100
Big 5.....	Big 5 Coal Co.....	Boulder.....	Sub-bituminous.....	293	4	8,397	30
Flintside.....	Ko-Z Coal Mining Co.....	Louisville.....	Sub-bituminous.....	196	11	6,801	70
High View.....	High View Coal Co.....	Gorham.....	Sub-bituminous.....	181	5	4,298	50
Pine Cliff.....	Pine Cliff Coal Co.....	Marshall.....	Sub-bituminous.....	135	6	3,200	30
Ross.....	Ross Coal Co.....	Gorham.....	Sub-bituminous.....	257	4	1,995	15
Premier.....	Premier Coal Co.....	Boulder.....	Sub-bituminous.....	247	4	1,376	10
Pittsburgh.....	Pittsburgh Coal Co.....	Boulder.....	Sub-bituminous.....	282	3	1,161	10
Eldorado.....	Eldorado Coal Co.....	Broomfield.....	Sub-bituminous.....	32	6	869	7
O. K.....	Zaptiff, Ross.....	Boulder.....	Sub-bituminous.....	90	3	445	.....
Paramount.....	Paramount Coal Co.....	Lafayette.....	Sub-bituminous.....	44	5	424	.....
Marshall.....	Logan, A. W.....	Boulder.....	Sub-bituminous.....	10	2	75	.....
Number	of mines licensed: 22.....		Average "Man days".....	203.6	755	608,596	5,047

DELTA COUNTY

Kling.....	Juanita Coal & Coke Co.....	Bowie.....	Bituminous.....	118	40	35,903	1,000
Green Valley.....	Green Valley Coal Co.....	Cedaredge.....	Semi-bituminous.....	274	6	7,344	50
Paonia Farmers.....	Paonia Farmers Coal Co.....	Paonia.....	Bituminous.....	207	4	4,755	22
Winton.....	Winton Coal Co.....	Austin.....	Bituminous.....	255	4	3,640	100
Red Canon.....	Patton, Lloyd L.....	Cedaredge.....	Semi-bituminous.....	232	5	3,634	30
Top.....	States, Welland W.....	Cedaredge.....	Semi-bituminous.....	236	4	3,336	40
States-Red Mountain.....	States-Hall Coal Co.....	Cedaredge.....	Semi-bituminous.....	206	2	1,435	20
Black Diamond.....	Eckert, J. Andrew.....	Cedaredge.....	Semi-bituminous.....	150	3	1,245	10
Independent.....	Independent Fuel Co.....	Cedaredge.....	Sub-bituminous.....	96	3	568	50
Ideal.....	Independent Fuel Co.....	Cedaredge.....	Sub-bituminous.....	88	2	757	25

DELTA COUNTY—Continued

Western Star.....	Western Star Coal Co.	Cedaredge.....	44	2	499	10
Farmers.....	Owens, Louis.....	Hotchkiss.....	120	2	359	10
Fitzsimmons.....	Fitzsimmons, E. A.....	Semi-bituminous.....	60	3	354	10
Jenkins & Lewis.....	Jenkins & Lewis Coal Co.	Bituminous.....	49	2	198	8
Burdick.....	Jackson, R. M.....	Sub-bituminous.....	25	2	89	5
Gelwick.....	Cordray & Spohr.....	Bituminous.....	60	2	77	5
Number	of mines licensed: 16	Average "Man days"	144.4	86	64,493	1,395

ELBERT COUNTY

White Ash.....	Newland, Bordy.....	Matheson.....	180	4	4,500	50
Barker.....	Barker Coal Co.	Matheson.....	290	3	2,181	50
Beaver Valley.....	Dalrymple, J. M.....	Agate.....	148	4	1,342	5
Stander.....	Stander, Joe.....	Ramah.....	64	2	159	.....
Number	of mines licensed: 4	Average "Man days"	177.7	13	8,182	105

EL PASO COUNTY

Pikeview.....	The Pikes Peak Fuel Division of The Golden Cycle Corp...	Pikeview.....	205	127	182,873	1,000
City Coal Mines.....	The Colorado Springs Co.	Colorado Springs.....	256	44	38,371	400
Clara Bell.....	Clara Bell Coal Co.	Colorado Springs.....	286	17	14,976	200
Fraceville.....	Fraceville Coal Co.	Colorado Springs.....	212	6	3,823	25
Altitude (new).....	Altitude Fuel Co.	Colorado Springs.....	236	4	3,224	15
New Keystone.....	Streunan, John.....	Colorado Springs.....	177	6	2,922	20
Jimmy Camp.....	Jimmy Camp Fuel Co.	Colorado Springs.....	192	4	2,692	20
Busy Bee.....	Ausec, Frank.....	Colorado Springs.....	310	3	2,184	30
Climax.....	Danville Coal Co.	Colorado Springs.....	149	2	1,662	11
Cottonwood.....	Cottonwood Coal Co.	Colorado Springs.....	217	2	991	4
Altitude.....	Altitude Fuel Co.	Colorado Springs.....	Reports filed with Altitude (New)			
Number	of mines licensed: 11	Average "Man days"	222.6	215	253,628	1,728

TABLE NO. 4—Continued
FREMONT COUNTY

Name of Mine	Name of Company	Mine Postoffice	Character of Coal	Number of Days Worked	Average No. of Men Employed	Total Number of Tons Produced	Capacity of Mine Per Day, Tons
Chandler.....	Victor-American Fuel Co.....	Chandler.....	Bituminous.....	151	235	105,420	850
Rockvale No. 3.....	Colorado Fuel & Iron Corp.....	Canon City.....	Bituminous.....	196	99	71,020	500
Cedar Canon.....	Giuliano-Carpine Coal Co.....	Florence.....	Bituminous.....	225	62	59,473	425
Caldriola.....	Caldriola Coal Co.....	Florence.....	Bituminous.....	244	40	42,139	350
Double Dick.....	Double Dick Coal Co.....	Florence.....	Bituminous.....	240	18	27,091	100
Rex Carbon.....	Nushaft Canon Coal Co.....	Coal Creek.....	Bituminous.....	219	24	24,389	200
Canon Black Diamond.....	Canon Black Diamond Coal Co.....	Florence.....	Bituminous.....	211	28	24,193	.....
American Independent No. 2.....	Bluff Springs Leasing Co.....	Florence.....	Bituminous.....	189	59	18,330	100
Canon Monarch.....	Canon Monarch Coal Co.....	Florence.....	Bituminous.....	259	34	18,184	100
Canon National.....	Canon National Coal Co.....	Florence.....	Bituminous.....	306	11	15,446	150
Canon Chief.....	Canon Chief Coal Co.....	Florence.....	Bituminous.....	211	7	14,735	50
Corley No. 6.....	Corley, W. D., Jr.....	Florence.....	Bituminous.....	230	17	12,069	300
Nushaft.....	Nushaft Canon Coal Co.....	Coal Creek.....	Bituminous.....	164	19	12,044	100
Pine Gulch.....	Canon Monarch Coal Co.....	Florence.....	Bituminous.....	236	13	10,747	75
Griffiths-Chandler Creek.....	Griffiths Coal Mining Co.....	Canon City.....	Bituminous.....	172	20	9,676	100
Royal Gorge.....	Royal Gorge Coal Co.....	Canon City.....	Bituminous.....	169	16	7,040	135
Manley.....	Manley Coal Mining Co.....	Canon City.....	Bituminous.....	204	14	6,615	• 55
Newlan Creek.....	Perino Coal Co.....	Florence.....	Bituminous.....	256	7	5,448	25
Canon Zenith.....	Duca, Joseph Z.....	Florence.....	Bituminous.....	180	8	3,488	35
Brookside.....	Brookside Coal Mining Co., Inc.....	Florence.....	Bituminous.....	136	9	3,400	35
Canon Tiger.....	Hiland Coal Mines, Inc.....	Florence.....	Bituminous.....	235	4	3,071	25
O. K. Canon.....	Evans Coal Co.....	Florence.....	Bituminous.....	118	6	2,385	25
Canon Eagle.....	Canon Eagle Coal Co.....	Canon City.....	Bituminous.....	170	4	2,028	25
Canon Red Star.....	Batoine, Joe.....	Canon City.....	Bituminous.....	176	7	1,948	5
Little Johnny.....	Little Johnny Coal Co.....	Canon City.....	Bituminous.....	114	9	1,875	25
Red Arrow.....	Walker Coal Co.....	Florence.....	Bituminous.....	158	7	1,862	25

FREMONT COUNTY—Continued

	Canon Blue Ribbon Coal Co...	Florence.....	Bituminous.....	58	13	1,833	30
Horseshoe.....							
American Independent No. 3.....	Corley, W. D., Jr.	Florence.....	Bituminous.....	152	11	1,754	100
Canon Imperial No. 3.....	Canon Imperial Coal Co.	Coal Creek.....	Bituminous.....	122	6	1,330	10
Annex.....	Annex Coal Co.	Florence.....	Bituminous.....	120	3	1,221	15
Canon Hiway.....	Falco, Adolph.....	Florence.....	Bituminous.....	77	4	984	10
Mountain View.....	Florence Coal Mines, Inc.	Florence.....	Bituminous.....	43	3	767	25
Canon Old Slope.....	Moschetti, Tony.....	Florence.....	Bituminous.....	131	3	702	.....
Bald.....	Bald Coal Co.....	Florence.....	Bituminous.....	38	11	613	.....
Fawn Hollow.....	Fawn Hollow Coal Co.	Canon City.....	Bituminous.....	54	4	515	.....
Liberty.....	Canon Liberty Coal Co.....	Canon City.....	Bituminous.....	76	2	499	.....
Willie No. 2.....	James, Lawrence.....	Florence.....	Bituminous.....	102	2	487	5
Di Giacomo.....	DiGiacomo, Tony.....	Coal Creek.....	Bituminous.....	170	2	485	5
Big Three (Dutch Oven).....	Big Three Coal Co.....	Canon City.....	Bituminous.....	71	3	417	5
White Ash No. 2.....	Florence Coal Co.....	Florence.....	Bituminous.....	153	3	338	2
Canon Coal Creek.....	Canon Coal Creek Coal Co.....	Coal Creek.....	Bituminous.....	146	1	265	2
Petry.....	Petry Bros.....	Florence.....	Bituminous.....	32	2	250	3
Charm.....	Charm Coal Co.....	Canon City.....	Bituminous.....	40	1	157	5
Sellers.....	Crescent Coal Co.....	Chandler.....	Bituminous.....	20	3	75	5
Hillside.....	Hillside Coal Co.....	Florence.....	Bituminous.....	30	3	68	4
Canon Ideal.....	Canon Ideal Coal Co.....	Coal Creek.....	Bituminous.....	90	1	25	.....
Canon Central.....	Nerone & Rigerazzi Bros.	Florence.....	Bituminous.....		No report filed		.....
Canon Peacock.....	Canon Peacock Coal Co.	Florence.....	Bituminous.....		No production		.....
Number	of mines licensed: 48.....	Average "Man days"		179.7	864	516,901	4,041

GARFIELD COUNTY

South Canon.....	South Canon Mine Leasing Co.	Glenwood Springs.....	Bituminous.....	17	16,775	85
New Castle.....	Coles, W. E.....	New Castle.....	Bituminous.....	6	8,580	100
Stove Canon.....	Stove Canon Coal Co.	Fruita.....	Bituminous.....	6	5,306	90
Gem.....	Gem Coal Co.....	Glenwood Springs.....	Bituminous.....	5	2,233	.....
Llewellyn.....	Llewellyn Coal Co.....	Silt.....	Bituminous.....	4	1,567	10

TABLE NO. 4—Continued
GARFIELD COUNTY—Continued

Name of Mine	Name of Company	Mine Postoffice	Character of Coal	Number of Days Worked	Average No. of Men Employed	Total Number of Tons Produced	Capacity of Mine Per Day, Tons
Harvey Gap.....	Paolazzi & Moda.....	New Castle.....	Bituminous.....	187	2	1,339	8
Zieseniss.....	Zieseniss, Henry.....	Rifle.....	Bituminous.....	162	2	1,190	20
I. H. I.....	Haas, Bill.....	Rifle.....	Bituminous.....	212	2	990	6
North Canon.....	Rifle Coal Mines, Inc.....	Rifle.....	Bituminous.....	132	2	735	5
Monger.....	Halcumb, N. H.....	Fruita.....	Bituminous.....	40	3	475	20
Carbonera.....	Barber Asphalt Corp.....	Mack.....	Bituminous.....	32	4	460	40
Kirchen.....	Terry, H. F. & Sons.....	Glenwood Springs.....	Bituminous.....	53	3	174	.....
Diamond.....	Diamond Fuel Co.....	Glenwood Springs.....	Bituminous.....	66	3	152	10
Ohkraut.....	DeBoy, Frank.....	Glenwood Springs.....	Bituminous.....	190	1	44	.....
Number	of mines licensed: 14.....	.....	Average "Man days".....	177.8	60	40,020	394

GUNNISON COUNTY							
Crested Butte.....	Colorado Fuel & Iron Corp.....	Crested Butte.....	Bituminous.....	169	245	190,797	1,200
Somerset.....	Calumet Fuel Co.....	Somerset.....	Bituminous.....	198	129	188,076	1,400
Oliver.....	Oliver Coal Co.....	Somerset.....	Semi-bituminous.....	184	64	73,456	500
Alpine.....	Rocky Mountain Fuel Co.....	Baldwin.....	Semi-bituminous.....	100	53	27,433	350
Bulkeley No. 2.....	Crested Butte Coal Co.....	Crested Butte.....	Bituminous.....	217	25	22,377	200
Bear.....	Bear Coal & Coke Co.....	Somerset.....	Bituminous.....	110	21	16,091	200
Hawk's Nest.....	Audin, C. & Sons.....	Somerset.....	Bituminous.....	150	7	4,437	45
Edwards.....	Edwards, George W.....	Somerset.....	Bituminous.....	165	4	3,296	30
New Baldwin.....	Rocky Mountain Fuel Co.....	Baldwin.....	Semi-bituminous.....	57	3	2,197	50
Horace.....	Horace Miners Ass'n.....	Crested Butte.....	Anthracite.....	100	9	1,989	20

GUNNISON COUNTY—Continued

O. C.	Number	of mines licensed: 17	Gunnison	Bituminous	199	2	1,112	4
Richardson		Staples, S. L. & Son	Gunnison	Bituminous	225	5	1,087	10
Star		Mt. Carbon Anthracite Co.	Gunnison	Bituminous	100	3	900	10
Carbon Creek		Baldwin Fuel Co.	Baldwin	Semi-bituminous	161	3	879	7
Hinkle		Carbon Creek Coal Co.	Gunnison	Bituminous	130	2	780	15
Nu-Mine		Hedley, W. H.	Gunnison	Semi-bituminous	84	3	345	.....
Castle Rock		Patch Bros.	Gunnison	Bituminous	95	1	259	5
		Castle Rock Coal Co.	Gunnison	Bituminous	.....	.....	.....	.....
		of mines licensed: 17		Average "Man days"	168.8	579	535,511	4,036

HUERFANO COUNTY

Kebler No. 2	.....	Colorado Fuel & Iron, Corp.	Tioga	Bituminous	186	186	149,313	800
Robinson No. 4	.....	Colorado Fuel & Iron, Corp.	Farr	Bituminous	241	151	131,364	800
Calumet No. 2	.....	Calumet Fuel Co.	Delcarbon	Bituminous	188	87	81,839	500
Pryor	.....	Pryor Coal Mining Co.	Pryor	Bituminous	201	118	71,545	400
Butte Valley	.....	Butte Valley Coal Co.	Butte Valley	Bituminous	146	71	41,956	450
Gordon	.....	Gordon Coal Co.	Walsenburg	Bituminous	115	46	29,888	600
Morning Glory	.....	Minnequa Fuel Co.	Walsenburg	Bituminous	147	37	28,395	300
Rouse	.....	Santa Clara Coal Co.	Walsenburg	Bituminous	111	28	15,700	100
Major	.....	Major Coal Co.	Walsenburg	Bituminous	157	32	14,579	120
Blackhawk	.....	Blackhawk Coal Mining Co.	Walsenburg	Bituminous	169	21	7,731	70
Leader No. 2	.....	Red Ash Coal Co.	Walsenburg	Bituminous	178	14	7,260	40
Toltec	.....	Aztec Coal Mining Co.	Toltec	Bituminous	185	34	5,590	150
Ravenwood	.....	{ Caliente Coal Co., Jan., Feb. and Mar. Bal. of year	Ravenwood	Bituminous	50	57	5,082	40
Oakdale	.....	{ Giordano Coal Co., Bal. of year	La Veta	Bituminous	196	10	3,481	15
Nugget	.....	Peachey Coal Co. Maloney, Joe	Rugby	Bituminous	100	14	3,271	.....
Ojo Canon	.....	Peachey Coal Co.	La Veta	Bituminous	204	8	3,254	20
New Ideal	.....	Ideal Coal Co.	Walsenburg	Bituminous	93	19	3,060	50
Shamrock	.....	Shamrock Coal Co.	Walsenburg	Bituminous	180	4	3,051	20
Blue Blaze	.....	Blue Blaze Coal Co.	Walsenburg	Bituminous	108	13	2,457	30
Maitland	.....	{ Caliente Coal Co., Jan., Feb. and Mar. Bal. of year	Walsenburg	Bituminous	41	54	2,912	.....

TABLE NO. 4—Continued
HUERFANO COUNTY—Continued

Name of Mine	Name of Company	Mine Postoffice	Character of Coal	Number of Days Worked	Average No. of Men Employed	Total Number of Tons Produced	Capacity of Mine Per Day, Tons
Pitch Vein Niggerhead.....	Van Meter, J. R. & Sons.....	La Veta.....	Bituminous.....	116	4	1,827	4
Strawberry No. 1.....	Strawberry Coal Co.....	Walsenburg.....	Bituminous.....	137	3	1,086	30
Aaron.....	Aaron Coal Co.....	Pryor.....	Bituminous.....	103	6	896	25
Rogers.....	Rogers Bros.....	La Veta.....	Bituminous.....	271	2	840	3
Strawberry No. 2.....	Strawberry Coal Co.....	Walsenburg.....	Bituminous.....	71	1	811	20
Caddell.....	Caddell, Ed.....	Walsenburg.....	Bituminous.....	83	7	682	10
New Sunnyside.....	McCune & Boscla.....	Walsenburg.....	Bituminous.....	20	6	494	10
Murrell.....	Murrell, James.....	La Veta.....	Bituminous.....	143	2	326	2
Sam George No. 3.....	Tompkins, J. G. & Sons.....	La Veta.....	Bituminous.....	64	3	304	6
Peaks.....	Peaks Coal Co.....	Walsenburg.....	Bituminous.....	24	2	117	10
C. O. D. No. 2.....	Klikus Coal Co.....	La Veta.....	Bituminous.....	20	2	225	3
Redwood.....	Redwood Mining Co.....	Walsenburg.....	Bituminous.....	90	2	135	.....
Sam George.....	Downs, L. M.....	La Veta.....	Bituminous.....	No production			
Number	of mines licensed: 33.....		Average "Man days".....	162.4	1,044	619,951	4,628

JACKSON COUNTY

Moore Strip.....	North Park Coal Co.....	Coalmont.....	Semi-bituminous.....	238	20	13,551	300
Marr.....	Barnell, George M.....	Walden.....	Semi-bituminous.....	186	5	2,071	.....
Sudduth.....	Jackson, J. C.....	Cowdrey.....	Semi-bituminous.....	200	3	848	15
Number	of mines licensed: 3.....		Average "Man days".....	224.7	28	16,470	315

JEFFERSON COUNTY

Number	Leyden via Golden	218	113	121,856	700
Leyden No. 3.....	Leyden via Golden.....	218	113	121,856	700
Caprock.....	Arvada.....	256	21	30,059	250
Economy.....	Littleton.....	220	6	4,100	.....
Virginia.....	Littleton.....	66	6	2,610	.....
of mines licensed: 4.....	Average "Man days".....	217.3	146	158,625	950

LA PLATA COUNTY

Number	of mines licensed: 25.....	187.8	64	34,772	649
Castle.....	Castle Coal Co.....	254	12	9,404	100
O. K.....	O. K. Coal Co.....	106	7	4,648	60
Sunshine.....	Sunshine Coal Co.....	221	2	2,354	21
Hunt.....	Hay Gulch Coal Co.....	242	3	2,611	15
King.....	King Coal Co.....	166	3	1,972	40
Durango.....	Durango Coal Co.....	253	4	1,941	50
Coal King.....	Coal King Mining Co.....	166	4	1,778	.....
Morning Star.....	Garanta Bros.....	158	3	1,542	50
Hesperus.....	Hesperus Superior Coal Co.....	212	3	1,395	50
Peerless.....	Peerless Coal Co.....	123	2	1,070	.....
Black Diamond.....	Black Diamond Coal & Coke Co.....	141	2	994	150
Hay Gulch.....	Wiltse, Alan C.....	170	3	986	.....
Valley View.....	Manning, O. V.....	143	3	851	25
Fire Glow.....	Fire Glow Coal Co.....	348	2	632	18
Peacock.....	Blume, Alfred.....	200	2	625	10
Soda Springs.....	Crumpley, P. H.....	100	2	420	.....
Ft. Lewis.....	Dufur, Xavier.....	135	2	381	40
Tiptotchi.....	Tiptotchi, Frank.....	116	1	346	.....
John Dill.....	Dill & Boglino.....	57	2	167	.....
Blue Jay.....	Davis, Robert L.....	57	1	55	20
Excelsior.....	Batchelor & Richardson.....	.....	No report filed	.....	.....
Durkan.....	Durkan, James T.....	.....	No report filed	.....	.....
Red Glow.....	Red Glow Blacksmith C. & C. Co.....	.....	No report filed	.....	.....
Supreme.....	Serroni, Otto.....	.....	No report filed	.....	.....
Fire Chief.....	Wieland, E. C.....	.....	No report filed	.....	.....
of mines licensed: 25.....	Average "Man days".....	187.8	64	34,772	649

TABLE NO. 4—Continued
LARIMER COUNTY

Name of Mine	Name of Company	Mine Postoffice	Character of Coal	Number of Days Worked	Average No. of Men Employed	Total Number of Tons Produced	Capacity of Mine Per Day, Tons
Ideal.....	Ideal Coal Co.....	Carr.....	Sub-bituminous.....	198	3	1,343	25
Pioneer.....	Pioneer Coal Co.....	Carr.....	Sub-bituminous.....	100	3	500	.....
White Rose.....	Nogo, John.....	Carr.....	Sub-bituminous.....	65	2	396	4
Bachy.....	Bachy Coal Co.....	Carr.....	Sub-bituminous.....	177	4	209	3
Number	of mines licensed: 4		Average "Man days"	144.3	12	2,448	32

LAS ANIMAS COUNTY

Frederick.....	Colorado Fuel & Iron Corp.....	Valdez.....	Bituminous.....	213	542	490,868	3,000
Morley.....	Colorado Fuel & Iron Corp.....	Morley.....	Bituminous.....	189	159	120,583	1,000
Boncarbo.....	American Smelting & Ref. Co.....	Cokedale.....	Bituminous.....	160	166	102,375	750
Delagua.....	Victor-American Fuel Co.....	Delagua.....	Bituminous.....	176	143	95,025	500
Ludlow.....	Huerfano Coal Co.....	Ludlow.....	Bituminous.....	124	108	46,636	500
Kenneth.....	Vickers Coal Co.....	Rugby.....	Bituminous.....	190	70	45,888	400
Dix.....	Dick Coal Co.....	Boncarbo.....	Bituminous.....	169	34	36,023	250
Bear Canon No. 6.....	Bear Canon Coal Co.....	Valloroso.....	Bituminous.....	90	59	32,305	500
Creston.....	Jewell Collieries Corp.....	Aguilar.....	Bituminous.....	102	42	16,638	250
Sopris No. 1.....	Deldosso Coal Co.....	Sopris.....	Bituminous.....	172	27	16,448	94
Thor.....	Thor Fuel Co.....	Trinidad.....	Bituminous.....	141	29	12,482	150
Rapson.....	Michelli, Pio.....	Rugby.....	Bituminous.....	136	16	9,864	200
Baldy.....	Meggison & Littleton.....	Trinidad.....	Bituminous.....	199	10	8,376	40
Black Diamond.....	Gallie, Adam.....	Trinidad.....	Bituminous.....	203	7	5,458	45
Morasky.....	Aguilar Black Diamond C. Co.....	Trinidad.....	Bituminous.....	212	10	3,435	100
Jeffreyes.....	Morasky, Joe.....	Trinidad.....	Bituminous.....	256	5	2,923	10
Gem.....	Jeffreyes Fuel Co.....	Trinidad.....	Bituminous.....	104	6	2,850	40
New Starkville.....	Giordano Coal Co.....	Aguilar.....	Bituminous.....	190	9	2,782	15
Eureka "Anchor".....	Starkville Coal Co.....	Trinidad.....	Bituminous.....	217	4	2,755	15
	Toller Coal Co.....	Boncarbo.....	Bituminous.....	39	45	2,728	200

LAS ANIMAS COUNTY—Continued

Owner	Location	Trinidad	Bituminous	244	3	2,307	20
Bowen	Home Fuel & Supply Co.	Trinidad	Bituminous	244	3	2,307	20
Lakeview No. 2	Glorioso & Tuppa	Trinidad	Bituminous	257	3	2,225	20
Forbes No. 9	Riggs, W. E.	Trinidad	Bituminous	256	3	1,662	10
Rugby No. 5	Sandoval & Garcia	Rugby	Bituminous	135	4	1,384	10
Martorano	Martorano & Son	Sopris	Bituminous	131	4	1,262	5
Broadhead No. 9	Temple Fuel Co.	Mine closed Jan., 1939. No license.	Bituminous	4	97	1,181	5
Sanchez	Sanchez Family	Boncarbo	Bituminous	136	2	1,103	100
Aberteen	Bowen, E. E.	Trinidad	Bituminous	12	15	964	10
Highway	Highway Coal Co.	Trinidad	Bituminous	128	2	935	10
Berwind Canon	Simola Fuel & Supply Co.	Ludlow	Bituminous	120	5	926	20
South Monarch	South Monarch Fuel & Gas Co.	Trinidad	Bituminous	109	3	908	40
Crystal	Bowman, Guillermo	Jansen	Bituminous	68	2	723	10
Forbes No. 10	Kazle, John	Trinidad	Bituminous	214	2	499	6
Sunrise	Sunrise Coal Co.	Trinidad	Bituminous	104	3	494	10
Santa Fe	Santa Fe Coal Co.	Trinidad	Bituminous	71	3	479	10
Rainbow	Rainbow Coal Co.	Trinidad	Bituminous	77	2	434	20
Pinon Canon	Vigil, Albert	Trinidad	Bituminous	100	2	426	6
Rugby No. 3	Valdez, Felix & Partners	Rugby	Bituminous	37	3	386	10
Garcia	Garcia, Benito	Dicks	Bituminous	31	2	352	2
Peacock	Hollingsworth, John A.	Trinidad	Bituminous	40	2	346	2
Garfield	Garcia, Gus & Sons	Boncarbo	Bituminous	84	3	345	7
Prospect No. 1	Owen, William	Trinidad	Bituminous	40	1	339	10
Aguliar	Blahut, Mike	Aguliar	Bituminous	58	4	326	10
Shower	Valdez, Felix & Partners	Rugby	Bituminous	44	3	315	10
Berwind Canon No. 3	Abeyta, Alex.	Trinidad	Bituminous	25	2	180	2
Valley	Lucia, Ben	Sopris	Bituminous	56	2	215	3
Mary	Ahuri, Manuel	Trinidad	Bituminous	25	3	169	10
Boaglio No. 2	Boaglio, Mary	Trinidad	Bituminous	75	2	167	6
Skyline	McPhail & Son	Aguliar	Bituminous	27	1	150	4
Bloom	Trinidad Supply Coal Co.	Trinidad	Bituminous	47	2	132	2
Wegs	Weghorst, H. C.	Trinidad	Bituminous	39	4	117	6
Green Canon	Green Canon Coal Co.	Aguliar	Bituminous	54	1	116	2
Rugby 5 1/2	Brauz, Nick	Rugby	Bituminous	15	3	82	3
Stonewall Valley	Arrowhead Coal Co.	Weston	Bituminous	30	1	26	2
Banner	West & Bittick	Aguliar	Bituminous	25	2	12	4
Number	of mines licensed: 54	Average "Man days"	160.3	1,687	1,078,129	9,202	

TABLE NO. 4—Continued

MESA COUNTY

Name of Mine	Name of Company	Mine Postoffice	Character of Coal	Number of Days Worked	Average No. of Men Employed	Total Number of Tons Produced	Capacity of Mine Per Day, Tons
Cameo.....	Kerr Coal Co.....	Cameo.....	Bituminous.....	184	45	32,759	300
Garfield.....	Garfield Coal Co.....	Palisade.....	Bituminous.....	183	9	9,427	50
Mt. Garfield.....	Geahart, E. & Sons.....	Palisade.....	Bituminous.....	302	8	7,130	60
River View.....	Supanac, Louis.....	Cameo.....	Bituminous.....	200	8	6,007	25
Winger.....	Clarke Coal Co.....	Palisade.....	Bituminous.....	165	6	4,524	50
Palisade.....	Hicks & Sons.....	Palisade.....	Bituminous.....	193	6	4,139	75
Farmers No. 1.....	Rocchio, Tony.....	Grand Junction.....	Bituminous.....	209	8	3,184	25
Blue Flame.....	Martin Coal Co.....	Palisade.....	Bituminous.....	138	4	2,812	40
McGinley.....	Hicks, Ernest.....	Grand Junction.....	Bituminous.....	160	3	2,393	25
Midwest.....	Hughes, Wm.....	Palisade.....	Bituminous.....	169	4	2,142	30
Hidden Treasure.....	Hidden Treasure Coal Co.....	Fruita.....	Bituminous.....	90	5	1,725	.....
Riverside-Farmers.....	Sipe, Martin & McDonald.....	Palisade.....	Bituminous.....	172	4	1,658	20
Williams.....	Monarch Coal Co.....	Grand Junction.....	Bituminous.....	138	3	1,014	10
Thomas.....	Aquilla, Tony.....	Grand Junction.....	Bituminous.....	134	6	998	15
Nearing.....	Mesa County Quality Coal Co.....	Fruita.....	Bituminous.....	160	2	923	.....
Grasso.....	Nunzio, Grasso.....	Grand Junction.....	Bituminous.....	180	2	480	3
Mt. Lincoln.....	McDowell, James.....	Palisade.....	Bituminous.....	172	2	428	6
Coal Gulch.....	{ Coal Gulch Coal Co., Jan., Feb. and Mar..... }	Loma.....	Bituminous.....	55	2	352	10
Corcoran.....	Kruzich & Zang.....	Grand Junction.....	Bituminous.....	104	2	247	2
Marinelli.....	Ottman, Robert.....	Fruita.....	Bituminous.....	37	2	187	10
Hunter.....	Baughman, L. D.....	Loma.....	Bituminous.....	40	3	75	20
Black Diamond.....	Albright & Warner.....	Grand Junction.....	Bituminous.....		No report filed		
Peacock.....	Craig, L. L.....	Grand Junction.....	Bituminous.....		No report filed		
Number	of mines licensed: 23.....		Average "Man days".....	174.7	134	82,604	776

MOFFAT COUNTY

Streeter.....	Domestic Coal Co.....	Craig.....	Bituminous.....	258.....	14.....	29,231.....	300.....
Mt. Streeter.....	Mt. Streeter Coal Co.....	Axial.....	Bituminous.....	300.....	7.....	11,691.....	50.....
Knez.....	Knez, Joe L.....	Craig.....	Bituminous.....	215.....	13.....	10,495.....	25.....
James.....	Hart, G. G. & Sons.....	Meeker.....	Bituminous.....	236.....	3.....	2,738.....	10.....
Wise.....	Babb, John, Jr.....	Craig.....	Bituminous.....	46.....	3.....	864.....	6.....
White Ash.....	Lee, H. A.....	Vernal, Utah.....	Bituminous.....	100.....	2.....	449.....	25.....
Wise Hill Pinnacle.....	Fields & Jones.....	Craig.....	Bituminous.....	126.....	2.....	299.....	91.....
Little Bear.....	Kawcak, Panko.....	Craig.....	Bituminous.....	17.....	2.....	91.....	6.....
Walker.....	Levkulich, George.....	Craig.....	Bituminous.....	37.....	1.....	90.....	5.....
Baker.....	Barmettler, A. E. (Deceased).....	Craig.....	Bituminous.....	14.....	2.....	66.....	10.....
Wisconsin.....	Whicker, H. L. & Son.....	Lay.....	Bituminous.....	32.....	1.....	51.....	2.....
Number.....	of mines licensed: 11.....	Average "Man days".....	198.7.....	50.....	56,065.....	439.....	

MONTEZUMA COUNTY

Willden.....	Ainsworth, H. A.....	Mancos.....	Bituminous.....	235.....	4.....	1,744.....	15.....
Mancos.....	Mancos Coal Co.....	Mancos.....	Bituminous.....	114.....	8.....	368.....	.....
Montezuma.....	Kingrey, Walter.....	Cortez.....	Bituminous.....	180.....	3.....	849.....	.....
Mesa Verde.....	Wilbrite, A. L.....	Cortez.....	Bituminous.....	204.....	3.....	680.....	.....
Spencer.....	Spencer, George S.....	Mancos.....	Semi-bituminous.....	50.....	1.....	75.....	2.....
Pinos Altos.....	French, W. A.....	Cortez.....	Bituminous.....	30.....	1.....	62.....	2.....
Gantz.....	Gantz, Daniel.....	Cortez.....	Semi-bituminous.....	19.....	3.....	55.....	3.....
Number.....	of mines licensed: 7.....	Average "Man days".....	136.6.....	23.....	4,433.....	22.....	

MONTROSE COUNTY

U. S. Vanadium.....	United States Vanadium Corp.....	Nucla.....	Sub-bituminous.....	284.....	23.....	25,140.....	90.....
Liberty Bell.....	Mitchell, Lyle.....	Nucla.....	Sub-bituminous.....	209.....	3.....	301.....	5.....
Sunshine.....	Sunshine Mining Co.....	Nucla.....	Sub-bituminous.....	100.....	2.....	610.....	6.....
Independence.....	Pagan, Leo F.....	Nucla.....	Sub-bituminous.....	150.....	3.....	507.....	10.....
Climmarron.....	Cromie, D. W.....	Climmarron.....	Sub-bituminous.....	150.....	1.....	454.....	10.....
Pleasant Valley.....	Holder, Worth L.....	Nucla.....	Sub-bituminous.....	31.....	2.....	63.....	.....
Happy Canon.....	Blair, C. L.....	Montrose.....	Sub-bituminous.....	.....	No production.....	.....	.....
Number.....	of mines licensed: 7.....	Average "Man days".....	235.8.....	34.....	27,675.....	121.....	

TABLE NO. 4—Continued
OURAY COUNTY

Name of Mine	Name of Company	Mine Postoffice	Character of Coal	Number of Days Worked	Average No. of Men Employed	Total Number of Tons Produced	Capacity of Mine Per Day, Tons
Burro Creek..... Columbine.....	Johnson, Claude L..... Lowery, Ray H.....	Montrose..... Ridgway.....	Sub-bituminous..... Sub-bituminous.....	100..... 100.....	2..... No report filed	300..... 300.....	10..... 10.....
Number	of mines licensed: 2						

PITKIN COUNTY

Placita.....	Placita Coal Co.....	Carbondale.....	Bituminous.....	114.....	3.....	998.....	50.....
Number	of mines licensed: 1			114.....	3.....	998.....	50.....

RIO BLANCO COUNTY

White River.....	Staley, M. E.....	Rangely.....	Bituminous.....	80.....	3.....	3,315.....	15.....
Rio Blanco.....	Adair, Ivor.....	Rio Blanco.....	Bituminous.....	130.....	2.....	890.....	20.....
Rienau.....	Rienau, R. C.....	Meeker.....	Bituminous.....	185.....	2.....	837.....	8.....
Gentry.....	Gozzer, Pete.....	Meeker.....	Bituminous.....	60.....	2.....	728.....	12.....
Rector.....	Baxter, Arthur.....	Rangely.....	Bituminous.....	91.....	1.....	678.....	.....
New Pollard.....	Pollard, C. F.....	Meeker.....	Bituminous.....	170.....	1.....	677.....	25.....
Nine Mile.....	Stiers, C. J.....	Meeker.....	Bituminous.....	82.....	2.....	645.....	11.....
McKee.....	Kabska & McCall.....	Meeker.....	Bituminous.....	46.....	2.....	266.....	10.....
North Meeker.....	Brenton, H. F.....	Meeker.....	Bituminous.....	49.....	2.....	104.....	2.....
Number	of mines licensed: 9		Average "Man days"	94.4.....	17.....	8,140.....	103.....

ROUTT COUNTY

Number	Location	Product	1914	1915	1916
Mt. Harris	Colorado & Utah Coal Co.	Bituminous	148	194	1750
Hayden No. 3	Hayden Coal Co.	Bituminous	125	207	1,200
Moffat No. 1 & No. 2	Moffat Coal Co.	Bituminous	109	233	4,000
Pinnacle	Victor-American Fuel Co.	Bituminous	140	172	1,000
Wadage	Victor-American Fuel Co.	Bituminous	107	122	1,000
Keystone	Keystone Coal Co.	Bituminous	130	103	700
Bear River	Bear River Coal Co.	Bituminous	55	73	500
Hayden Valley	Coryell, Frank	Bituminous	144	21	100
McGregor	Park, Daniel	Bituminous	239	6	100
Grassy Creek	Hayden Coal Co.	Bituminous	110	10	100
Argo Gulch	Rolfes, George T.	Bituminous	231	6	20
Apex	Steele, George	Bituminous	130	6	30
Babson	Babson Coal Co.	Bituminous	183	4	50
Webber	Rolfes, George T.	Bituminous	260	2	15
Bruce Walker	Walker & Huntington	Bituminous	188	3	15
Sleepy Cat	Sleepy Cat Coal Co.	Bituminous	120	5	15
Daves Grand Baby	Linn, David D.	Bituminous	100	5	553
Postal	Hubbard, Frank D.	Bituminous	125	3	10
Seven Points	Seven Points Coal Co.	Bituminous	90	2	20
Block	Block Coal Co.	Bituminous	159	3	10
Middle Creek	Hazen, Henry R.	Bituminous	101	5	6
Hammond	Hammond, W. C.	Bituminous	60	2	15
Big Mack	Templeton, D. W.	Bituminous	42	2	6
Jones	Jones, R. C.	Bituminous	26	2	15
Chergo	Chergo, Tom	Bituminous	110	2	15
Tow Creek	Tow Creek Coal Co.	Bituminous	15	1	6
Hi-Heat	Hi-Heat Coal Co.	Bituminous	50	1	10
Fish Creek	Stucky, Daniel	Bituminous	10	2	10
Little Male	Hutton, G. D.	Bituminous	40	1	10
Edna	Edna Coal Co.	Bituminous	14	2	57
Blue Spruce	Reish, Orrel O.	Bituminous	20	2	5
Morgan	Pollo, John, Jr.	Bituminous	No production	No production	20
Wonder Valley	Thompson, Harry	Bituminous	No production	No production	10,713
Number	of mines licensed: 33	Average "Man days"	122.6	1,202	731,840

TABLE NO. 4—Continued
SAN MIGUEL COUNTY

Name of Mine	Name of Company	Mine Postoffice	Character of Coal	Number of Days Worked	Average No. of Men Employed	Total Number of Tons Produced	Capacity of Mine Per Day, Tons
Keck-Reliance.....	Crisp, Earl M.....	Norwood.....	Bituminous.....	120	3	434	6
O. K.....	Knowlton, W. H.....	Norwood.....	Bituminous.....	89	1	274	.....
Gray.....	Stoddard, W.....	Norwood.....	Bituminous.....	43	3	186	5
Elder.....	Elder, Gene.....	Norwood.....	Bituminous.....	100	1	145	10
Horton.....	Horton Coal Co.....	Norwood.....	Bituminous.....	68	1	142	3
Number	of mines licensed: 5		Average "Man days"	82.9	9	1,181	24

WELD COUNTY

Columbine.....	Rocky Mountain Fuel Co.....	Serene.....	Sub-bituminous.....	242	201	227,554	800
Imperial.....	Imperial Coal Co.....	Erie.....	Sub-bituminous.....	169	127	128,903	1,200
Boulder Valley.....	Boulder Valley Coal Co.....	Erie.....	Sub-bituminous.....	140	139	111,237	1,900
Morrison.....	Clayton Coal Co.....	Erie.....	Sub-bituminous.....	217	88	101,147	1,500
Clayton.....	Clayton Coal Co.....	Erie.....	Sub-bituminous.....	176	116	92,850	1,000
Baum.....	Consolidated Coal & Coke Co.....	Dacono.....	Sub-bituminous.....	156	104	84,948	1,000
Sterling.....	McNeil Coal Corp.....	Dacono.....	Sub-bituminous.....	137	77	79,284	1,000
Eagle.....	National Fuel Co.....	Erie.....	Sub-bituminous.....	245	103	66,086	1,000
Russell.....	Russell, Wm. E., Coal Co.....	Frederick.....	Sub-bituminous.....	145	72	49,594	600
Puritan.....	National Fuel Co.....	Dacono.....	Sub-bituminous.....	53	92	48,127	900
Grant.....	Rocky Mountain Fuel Co.....	Frederick.....	Sub-bituminous.....	70	100	43,322	650
Graden.....	Graden Coal Co.....	Dacono.....	Sub-bituminous.....	149	39	38,508	300
Shamrock.....	Shamrock Coal Co.....	Erie.....	Sub-bituminous.....	67	58	31,432	500
Evans.....	Carbon Coal Co.....	Frederick.....	Sub-bituminous.....	249	24	23,117	300
Monroe.....	Park Coal Co.....	Erie.....	Sub-bituminous.....	139	6	4,459	40

WELD COUNTY—Continued

Number	of mines licensed: 24	La Salle	Sub-bituminous	255	5	2,121	20
Bohlender	Bohlender Coal Co.	La Salle	Sub-bituminous	176	5	1,895	20
Diamond	Diamond Coal Co.	La Salle	Sub-bituminous	130	5	1,012	20
Buddy	Buddy Coal Co.	Greeley	Sub-bituminous	145	6	980	15
Comet	Comet Coal Co.	Eaton	Sub-bituminous	93	4	491	8
White Ash	White Ash Coal Co.	La Salle	Sub-bituminous	81	3	300	10
Tamoc	Brundy, R. L.	Cornish	Sub-bituminous	28	3	212	5
Black Nugget	Black Nugget Coal Co.	La Salle	Sub-bituminous	40	2	51	.....
Keota	Keota Coal Co.	Briggsdale	Sub-bituminous		No report filed		
Galeton	Castleman, Walter	Galeton	Sub-bituminous				
	of mines licensed: 24		Average "Man days"	162.7	1,379	1,137,690	11,888
Total of State	Number of mines licensed: 382		Average "Man days"	165.35	8,413	5,991,022	56,701



SHOWING INCREASE AND DECREASE OF COAL PRODUCTION BY COUNTIES—1938-1939

Counties	1938	1939	Increase	Decrease
Archuleta	597	2,370	1,773	.....
Boulder	593,596	608,596	15,000	.....
Delta	56,671	64,493	7,822	.....
Douglas	291	.....	.....	291
Elbert	4,246	8,182	3,936	.....
El Paso.....	265,489	253,628	.....	11,861
Fremont	473,906	516,901	42,995	.....
Garfield	47,877	40,020	.....	7,857
Gunnison	524,188	535,511	11,323	.....
Huerfano	595,602	619,951	24,349	.....
Jackson	14,985	16,470	1,485	.....
Jefferson	160,142	158,625	.....	1,517
La Plata.....	39,445	34,772	.....	4,673
Larimer	2,486	2,448	.....	38
Las Animas.....	820,216	1,078,129	257,913	.....
Mesa	67,550	82,604	15,054	.....
Moffat	37,048	56,065	19,017	.....
Montezuma	5,356	4,433	.....	923
Montrose	26,529	27,675	1,146	.....
Ouray	101	300	199	.....
Pitkin	872	998	126	.....
Rio Blanco.....	6,564	8,140	1,576	.....
Routt	747,760	731,840	.....	15,920
San Miguel.....	1,607	1,181	.....	426
Weld	1,229,775	1,137,690	.....	92,085
TOTALS	5,722,899	5,991,022	.....	.....
Increase .....	.....	.....	268,123	.....

PRODUCTION BY COUNTIES BY MONTHS, 1939

	Arch- uleta	Boulder	Delta	Elbert	El Paso	Fremont
Jan.	72	91,103	6,547	626	31,705	59,880
Feb.	179	83,893	7,242	531	31,492	64,895
Mar.	55	64,239	4,668	519	28,436	47,816
Apr.	35	36,457	4,091	100	21,317	28,081
May	50	14,254	2,423	49	13,978	10,392
June	19	14,551	1,427	23	11,115	12,355
July	63	13,550	2,284	27	10,414	12,192
Aug.	75	23,810	2,669	67	13,847	35,737
Sept.	229	51,422	5,356	161	15,367	46,558
Oct.	262	70,782	7,453	672	20,307	62,994
Nov.	539	65,307	6,660	822	25,255	60,061
Dec.	501	75,207	6,885	886	29,875	56,993
*Annual	291	4,021	6,788	3,699	520	18,947
Totals....	2,370	608,596	64,493	8,182	253,628	516,901

	Garfield	Gunnison	Huerfano	Jackson	Jefferson	La Plata
Jan.	5,299	52,972	54,350	1,927	18,015	3,874
Feb.	4,893	50,826	61,923	1,718	17,938	4,021
Mar.	3,738	41,058	62,758	1,176	15,366	2,333
Apr.	2,261	28,681	51,131	495	13,780	940
May	1,471	17,340	19,561	317	8,177	1,036
June	1,402	22,400	29,434	465	8,997	1,272
July	1,285	21,800	37,440	718	8,740	997
Aug.	1,630	48,635	52,875	767	10,287	1,215
Sept.	3,123	58,530	57,346	1,764	10,082	2,535
Oct.	4,999	69,493	67,920	2,343	13,142	3,735
Nov.	3,971	71,688	66,647	2,043	17,141	3,389
Dec.	4,135	47,702	56,219	1,822	16,077	3,085
*Annual	1,813	4,386	2,347	915	883	6,340
Totals....	40,020	535,511	619,951	16,470	158,625	34,772

	Larimer	Las Animas	Mesa	Moffat	Monte- zuma	Mont- rose
Jan.	407	76,960	8,973	5,889	501	2,289
Feb.	357	78,899	7,653	4,734	167	2,269
Mar.	171	99,425	6,928	2,531	171	2,226
Apr.	49	117,029	5,081	3,107	155	1,684
May ....	.....	56,442	3,481	2,138	233	1,809
June ....	.....	61,503	3,861	1,987	76	1,983
July ....	.....	72,543	3,998	2,187	128	1,843
Aug. ....	.....	86,222	5,341	3,223	234	1,858
Sept.	109	86,231	7,159	5,301	510	1,916
Oct.	298	110,213	8,788	7,806	561	2,122
Nov.	328	121,090	8,422	4,992	718	.....
Dec.	176	103,760	8,695	4,815	485	2,590
*Annual	553	7,812	4,224	7,255	494	5,086
Totals....	2,448	1,078,129	82,604	56,065	4,433	27,675

	Ouray	Pitkin	Rio Blanco	Routt	San Miguel	Weld	Total
Jan.		190	801	87,103	34	148,025	657,542
Feb.		160	1,229	86,623	29	162,262	673,933
Mar.		130	454	50,893	10	111,085	546,186
Apr.			553	40,038	13	64,877	419,955
May		36	125	11,300	5	32,113	196,730
June		25	120	7,890	29	37,104	218,038
July		39	136	14,356	.....	38,954	243,694
Aug.		73	143	63,232	.....	48,529	400,569
Sept.		84	339	81,496	.....	83,846	519,464
Oct.		130	1,314	116,875	.....	127,175	699,384
Nov.		61	1,127	88,062	.....	135,477	683,800
Dec.		70	1,081	77,110	.....	132,247	630,416
*Annual	300	.....	718	6,862	1,061	15,996	101,311
Totals..	300	998	8,140	731,840	1,181	1,137,690	5,991,022

*Additional production reported in 1939 Annual Reports.

COAL PRODUCTION IN PREPARED SIZES BY COUNTIES—1939

County	Mine Run	Lump	Egg	Nut	Pea	Slack	Total
Archuleta ----	665	1,251	----	----	----	454	2,370
Boulder -----	27,743	109,725	102,319	38,322	21,400	309,087	608,596
Delta -----	9,173	16,937	----	14,558	1,693	22,132	64,493
Elbert -----	4,384	1,980	112	1,123	522	61	8,182
El Paso-----	27,870	23,233	15,897	14,352	2,013	170,263	253,628
Fremont -----	158,005	153,520	32,724	58,283	9,341	105,028	516,901
Garfield -----	14,025	9,851	130	4,526	390	11,098	40,020
Gunnison ----	153,187	83,863	9,305	29,238	1,386	258,532	535,511
Huerfano ----	205,596	69,023	20,401	41,458	2,980	280,493	619,951
Jackson -----	6,257	5,571	----	3,974	----	668	16,470
Jefferson ----	52,847	9,052	5,834	5,898	6,589	78,405	158,625
La Plata-----	19,215	6,648	----	1,872	1,263	5,774	34,772
Larimer -----	715	1,275	----	----	238	220	2,448
Las Animas--	358,693	29,439	6,548	43,530	2,688	637,231	1,078,129
Mesa -----	28,539	19,732	----	7,025	3,390	23,918	82,604
Moffat -----	8,210	26,528	----	7,083	628	13,616	56,065
Montezuma --	2,543	214	1,315	175	74	112	4,433
Montrose ----	2,051	699	26	4,078	----	20,821	27,675
Ouray -----	300	----	----	----	----	----	300
Pitkin -----	938	----	----	----	----	60	998
Rio Blanco---	2,907	3,240	----	1,579	11	403	8,140
Routt -----	31,004	229,536	61,095	124,025	3,938	282,242	731,840
San Miguel---	1,121	41	----	10	----	9	1,181
Weld -----	591	323,180	114,623	2,608	95,426	601,262	1,137,690
Total-----	1,116,579	1,124,538	370,329	403,717	153,970	2,821,889	5,991,022

COKE PRODUCED IN 1939 BY COMPANIES AND COUNTIES

Companies	Total No. of Ovens Used	Total Tonnage	Counties	Total No. of Ovens Used	Total Tonnage
American Smelting and Refining Co.....	137	56,836	Las Animas	137	56,836
Colorado Fuel and Iron Corp.....	189	398,033	Pueblo	189	398,033
Total	326	454,869		326	454,869

Remarks:

Average number of days worked.....	312.5
Average number of men employed at the coke ovens.....	100
Number of tons of coal made into coke.....	749,924

COAL PRODUCTION IN COLORADO FROM 1873 TO 1939, INCLUSIVE

Year	Tons	Year	Tons
1873	69,977	1907	10,965,640
1874	87,372	1908	9,773,007
1875	98,838	1909	10,722,490
1876	117,666	1910	12,104,887
1877	160,000	1911	10,197,595
1878	200,630	1912	11,016,948
1879	322,732	1913	9,268,939
1880	375,000	1914	8,201,423
1881	706,744	1915	8,715,397
1882	1,161,479	1916	10,522,185
1883	1,220,593	1917	12,515,305
1884	1,130,024	1918	12,658,055
1885	1,398,796	1919	10,406,543
1886	1,436,211	1920	12,514,693
1887	1,791,735	1921	9,141,947
1888	2,185,477	1922	10,003,610
1889	2,400,629	1923	10,336,735
1890	3,075,781	1924	10,501,088
1891	3,512,632	1925	10,440,387
1892	3,771,234	1926	10,616,760
1893	3,947,056	1927	9,781,580
1894	3,021,028	1928	9,921,585
1895	3,339,495	1929	9,934,064
1896	3,371,633	1930	8,238,094
1897	3,565,660	1931	6,604,063
1898	4,174,037	1932	6,616,525
1899	4,826,939	1933	5,284,872
1900	5,495,734	1934	5,251,003
1901	6,021,405	1935	5,948,661
1902	7,522,923	1936	6,845,837
1903	7,775,302	1937	7,215,916
1904	6,776,551	1938	5,722,899
1905	8,989,631	1939	5,991,022
1906	10,308,421		

TOTAL NUMBER OF TONS OF COAL SHIPPED BY THE
COAL MINES OF COLORADO DURING 1939, BY TRUCK,
WAGON, RAILROAD OR USED FOR STEAM OR HEAT

Counties	Tons of Coal Shipped by Railroads	Tons of Coal Shipped by Trucks and Wagons	Used at Mine for Steam and Heat	Total Tons of Coal Produced
Archuleta .....	.....	2,370	.....	2,370
Boulder	195,907	401,093	11,596	608,596
Delta	28,704	31,108	4,681	64,493
Elbert .....	.....	8,062	120	8,182
El Paso.....	46,340	167,524	39,764	253,628
Fremont	162,584	351,950	2,367	516,901
Garfield	12,668	27,112	240	40,020
Gunnison	482,781	42,081	10,649	535,511
Huerfano	546,020	72,271	1,660	619,951
Jackson	10,121	6,013	336	16,470
Jefferson	111,915	45,705	1,005	158,625
La Plata.....	8,049	26,723	.....	34,772
Larimer .....	.....	2,446	2	2,448
Las Animas	982,571	80,595	14,963	1,078,129
Mesa	32,759	49,845	.....	82,604
Moffat	35,380	20,685	.....	56,065
Montezuma .....	.....	4,433	.....	4,433
Montrose .....	.....	27,675	.....	27,675
Ouray .....	.....	300	.....	300
Pitkin	838	160	.....	998
Rio Blanco.....	.....	8,140	.....	8,140
Routt	676,189	25,664	29,987	731,840
San Miguel.....	.....	1,181	.....	1,181
Weld	828,043	284,082	25,565	1,137,690
Total	4,160,869	1,687,218	142,935	5,991,022

TONS OF COAL SHIPPED OUT OF THE STATE DURING 1939

Archuleta	73	Larimer	504
Boulder	132	Las Animas.....	113,675
Fremont	81,057	Moffat	25
Gunnison	70,107	Rio Blanco.....	475
Huerfano	117,167	Routt	261,470
Jackson	7,234	Weld	891
La Plata.....	257	Total of State.....	653,067

MECHANICAL LOADING IN COLORADO IN 1939

COUNTY	Number of Mechanical Loaders	Shaker Type	Mobile or Track Type	Chain Conveyors, Short Face Type	Room Conveyors	Mainline or Entry Conveyors	Belt Conveyors, Number and Type	Power Shovels, No. and Type	Other Types of Mechanical Loaders	Total Tonnage Loaded by Mechanical Devices	MINING MACHINES					Total Tonnage
											Comp. Air	Electric Permissible	Electric Non-Permissible	Other Type of Cutting or Shearing	Electric Drills	
Archuleta	39	38	...	...	...	...	1	...	...	371,172	17	4	64	4	48	2,370
Boulder	...	...	...	...	...	...	...	...	...	...	3	...	3	1	1	608,596
Delta	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	64,493
Elbert	...	3	...	...	...	...	...	...	...	133,644	1	1	12	...	5	8,182
El Paso	5	...	2	...	...	...	...	...	...	...	...	...	...	...	...	253,628
Fremont	37	13	2	2	12	8	...	...	...	208,578	...	15	62	...	40	516,901
Garfield	...	...	...	...	...	...	...	...	...	...	1	7	25	1	1	40,020
Gunnison	12	4	4	...	4	...	...	...	...	165,123	2	37	29	2	17	535,511
Huerfano	8	8	...	...	...	...	...	...	...	92,927	...	1	1	...	12	619,951
Jackson	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	16,470
Jefferson	...	...	...	...	...	...	...	...	...	...	...	1	3	...	4	158,625
La Plata	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	34,772
Larimer	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2,448
Las Animas	...	...	...	...	...	...	...	...	...	8,819	1	17	12	...	5	1,078,129
Mesa	3	3	...	...	...	...	...	...	...	...	...	3	6	...	3	82,604
Moffat	...	...	...	...	...	...	...	...	...	29,231	...	1	2	...	5	56,065
Montezuma	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	4,433
Montrose	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	27,675
Ouray	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	300
Pitkin	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	998
Rio Blanco	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8,140
Routt	74	34	4	6	14	10	...	6	...	454,908	...	3	56	4	66	731,840
San Miguel	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,181
Weld	38	25	7	...	3	3	...	...	...	483,357	2	11	69	7	51	1,137,690
Total	218	128	21	8	33	21	1	6	...	1,947,759	27	101	344	19	263	5,991,022

LABOR DISTRIBUTION

(Poll Taken Dec. 31, 1939)

Underground Employees (Average Number)		Surface Employees (Average Number)	
Foremen	197	Superintendent	103
Assistant foremen.....	77	Foremen	40
Firebosses	92	Enginemen (hoists and plants)....	166
Pick miners.....	1,877	Firemen and helpers.....	72
Machine coal miners.....	2,012	Machinists and helpers.....	53
Machine runners and helpers.....	392	Electricians and helpers.....	44
Mechanical loader men (all classes)	1,198	Blacksmiths and helpers.....	66
Shotfirers and blasters.....	94	Carpenters and helpers.....	45
Motormen and assistants.....	233	General tippie employees.....	472
Hoistmen and ropersiders.....	232	Slate pickers.....	106
Drivers	277	Coal washing employees.....	14
Door tenders (men and boys).....	1	Coke plant employees.....	100
Trackmen and helpers.....	190	Office employees.....	108
Timbermen and helpers.....	204	Miscellaneous surface employees	238
Brattice and ventilation men.....	28		
Rockmen on brushing.....	53	Total number employed on surface	1,627
Mechanics and helpers.....	54		
Electricians and helpers.....	43	Total all employees (surface and underground).....	8,976
Pumpmen and pipemen.....	36		
Laborers, sprinklers, etc.....	59		
Total number employed underground	7,349		

FATAL ACCIDENTS—1939

Date	Name	Company	Mine	County	Cause
1. Jan. 20	F. S. Marakami	Keystone Coal Co.	Keystone	Routt	Mine car—run over
2. Jan. 23	Dolores Armendarez	Bear Canon Coal & Coke Co.	Bear Canon No. 6	Las Animas	Fall of face coal—Loading
3. Jan. 28	Jeff L. Rhodes	Victor-American Fuel Co.	Wadge	Routt	Run over by mine car
4. Jan. 30	Clarence D. Stone	Hayden Coal Co.	Hayden No. 3	Routt	Fall of roof coal
5. Feb. 20	Edward Frohling	Canon National Coal Co.	Canon National	Fremont	Electrocution
6. Mar. 24	George Young	Victor-American Fuel Co.	Chandler	Fremont	Electrocution
7. Mar. 30	Angelo Berardi	Black Diamond Fuel Co.	Black Diamond No. 2	Boulder	Fall of roof coal
8. Apr. 20	Domenic Valenzano	Manley Coal Co.	Manley	Fremont	Fall of roof (rock)
9. June 23	Edward W. Scholes	Calumet Fuel Co.	Calumet No. 2	Huerfano	Fall of roof (rock)
10. Sept. 2	Lawrence A. Phenix	Colorado & Utah Coal Co.	Harris	Routt	Electrocution
11. Sept. 6	Audlin Charles Hand	Canon Eagle Coal Co.	Canon Eagle	Fremont	Fall of roof (rock)
12. Sept. 9	Benito Garcia	Benito Garcia	Garcia	Las Animas	Fall of roof (draw slate)
13. Sept. 20	Sam Bogan, Jr.	Moffat Coal Co.	Moffat No. 1 and No. 2	Routt	Mine car—squeezed between car and timber
14. Sept. 25	Joseph Zuder	Pryor Coal Mining Co.	Pryor No. 2	Huerfano	Fall of roof (slate)
15. Oct. 6	William T. Watson	Boulder Valley Coal Co.	Centennial	Boulder	Caught in moving machinery
16. Oct. 9	Joe Digheba	Giuliano & Carpine	Cedar Canon	Fremont	Fall of roof (rock)
17. Oct. 24	Jesus Aguirre	American Smelting & Refining Co.	Boncarbo	Las Animas	Mine car—caught between cross bar and empty car while coupling
18. Oct. 27	Joe Demetrio Martinez	Victor-American Fuel Co.	Delagua	Las Animas	Struck by falling cross bar
19. Oct. 30	A. G. Kimball	Idle Mine	Pitcheug	Routt	Fall of roof (slate)
20. Oct. 30	Ernest Roybal	Huerfano Coal Co.	Ludlow	Las Animas	Fall of roof (rock)
21. Oct. 31	George Mandarich	Victor-American Fuel Co.	Chandler	Fremont	Jack pipe slipping onto cutting machine
22. Nov. 16	Frank Pfeuncheberger	Rocky Mountain Fuel Co.	Industrial	Boulder	Fall of roof coal
23. Dec. 8	Alfredo Martinez	Colorado Fuel & Iron Corp.	Crested Butte	Gunnison	Fall of roof (coal and rock)
24. Dec. 12	Carl Haase	Huerfano Coal Co.	Ludlow	Las Animas	Fall of roof (rock)
25. Dec. 14	Harry E. Micheli	Pio Micheli	Rapson	Las Animas	Fall of roof (rock)
26. Dec. 29	Arle Galloway	Louisville-Lafayette Coal Co.	Hi-Way	Boulder	Ignition of explosive gas

Recommendations Made by the State Department, Where Necessary

COAL MINE FATALITIES IN THE STATE OF COLORADO, CLASSIFIED BY CAUSE AND OCCUPATION, FOR
YEAR ENDED DEC. 31, 1939

Causes	Foreman	Assistant Foreman	Fire-bosses	Pick Miners	Machine Coal Hand Loaders	Machine Runners and Scrapers	Mechanical Loader Operators and Helpers	Shot Firers	Drivers and Runners	Motormen and Assistants	Doorboys and Helpers	Holstmen and Rope Riders	Trackmen and Bratticemen	Timbermen and Rockmen	Pump and Pipemen	Electricians and Helpers	All Others	Total Underground	Surface Fatalities	Total Fatalities
Underground	1	---	---	7	1	---	3	---	---	---	---	---	---	1	---	---	1	14	---	14
1. Falls of roof (rock, coal or draw slate).....	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2. Roof fall due to car or machine knocking out post.....	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
3. Falls of face or rib.....	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	---	1
4. Rush of coal, rock or gob.....	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
5. Other falling material or objects (not being handled by injured workers).....	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6. Falls of persons.....	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	1
7. Handling materials.....	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
8. Hand tools.....	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
9. Stepping on nails or other sharp objects.....	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
10. Striking or bumping against objects.....	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
11. Mine cars and mine locomotives.....	---	---	---	2	---	---	1	---	---	---	---	---	1	---	---	---	---	4	---	4
12. Explosions of gas or coal dust.....	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	---	1
13. Explosives (not including those in No. 12).....	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
14. Electricity (not resulting in explosions).....	---	---	---	---	1	1	1	---	---	1	---	---	---	---	---	---	---	2	2	2
15. Machinery.....	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	---	2
16. Suffocation from natural gases (not from mine fires or explosions).....	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
17. Mine fires (burns, suffocations, etc.).....	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
18. All other accidents underground.....	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Total underground.....	1	---	---	9	3	1	6	---	1	1	---	---	1	1	---	---	1	25	---	25

COAL MINE FATALITIES IN THE STATE OF COLORADO, CLASSIFIED BY CAUSE AND OCCUPATION, FOR
YEAR ENDED DEC. 31, 1939—Continued

Causes	Foreman	Assistant Foreman	Fire-bosses	Pick Miners	Machine Coal Hand Loaders	Machine Runners and Scrapers	Mechanical Loader Operators and Helpers	Shot Friers	Drivers and Runners	Motormen and Assistants	Doorboys and Helpers	Holstmen and Rope Riders	Trackmen and Bratticemen	Timbermen and Rockmen	Pump and Pipemen	Electricians and Helpers	All Others	Total Underground	Surface Fatalities	Total Fatalities
19. Shaft and slope.....																				
20. Falls or slides of coal or overburden																				
Surface (including tippie, breaker, shops and yards)																				
34. Mine cars and mine locomotives																				
35. Railway cars and locomotives.....																				
36. Handling materials.....																				
37. Hand tools.....																				
38. Falls of persons.....																				
39. Falling objects.....																				
40. Machinery on surface.....																				
41. Electricity.....																1			1	
42. Explosives.....																				
43. All other surface accidents.....																				
Total Surface.....				9	3	1	6		1	1			1	1				25	1	26
Grand Total.....	1																			
Total number employed in each occupation	197	77	92	1,877	2,012	392	1,198	94	277	233	1	232	218	204	36	43	166	7,349	1,627	8,976



