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**TWENTY-EIGHTH
ANNUAL REPORT**

OF THE

**State Inspector of
Coal Mines**

1940



1941



THE BRADFORD-ROBINSON PTF. CO., DENVER

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U18300 3525148

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LETTER OF TRANSMITTAL

Denver, Colorado, April 1, 1941.

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 1940 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, Grand Junction.....	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 1940

Number of mines licensed.....	373
Number of new and old mines opened: new mines, 32; old mines, 3; total.....	35
Number of mines closed or abandoned.....	40
Tons of sub-bituminous coal produced.....	2,170,145
Tons of semi-bituminous coal produced.....	179,104
Tons of bituminous coal produced.....	4,320,874
Tons of anthracite coal produced.....	2,456
Total number of tons of coal produced.....	6,672,579
INCREASE, 1940.....	681,557
Tons of mine-run coal produced.....	1,046,245
Tons of lump coal produced.....	1,182,802
Tons of egg coal produced.....	384,130
Tons of nut coal produced.....	563,686
Tons of pea coal produced.....	283,157
Tons of slack coal produced.....	3,212,559
Percentage of slack coal produced (mine-run excluded).....	57.09
Daily capacity of all mines in state (a few small mines did not report their capacity).....	56,779
Tons of coal mined by hand.....	2,334,099
Tons of coal mined by machine.....	4,338,480
Number and kind of machines used; (compressed air, 18) (electric, 442) total..	460
Number of electric drills.....	300
Number of mechanical loaders.....	253
Tons of coal mined by mechanical loaders.....	3,669,364
Tons of coal mined for shipment (railroad 4,695,008) (truck and wagon, 1,795,277) total.....	6,490,280
Tons of coal used at mine for power and heat.....	182,294
Tons of coal shipped out of the state.....	485,534
Tons of coal made into coke.....	1,027,892
Tons of coke made.....	606,005
Number of days coke ovens operated (average).....	332.7
Number of coke ovens used.....	396
Number of men employed at coke ovens (average).....	126
Number of miners employed (average): Pick miners, 1,704; machine miners, machine runners and mechanical loaders, 3,291; total.....	4,995
Number of men employed in and about mines (average): underground, 6,768; surface 1,445; total.....	8,213
Number of days worked (average man-days).....	173.4
Daily production per miner.....	7.7
Annual production per miner.....	1,335.8
Number of approved electric lamps used.....	8,319
Number of approved flame safety lamps used.....	642
Number of carbide lamps used.....	1,635
Number of pounds of carbide used (approximate, some miners purchase their own).....	73,435
Number of pounds of black powder used.....	381,521
Number of pounds of permissible powder used.....	693,958
Number of pounds of dynamite used.....	20,802
Haulage:	
Electric Trolley Locomotives.....	127
Electric Battery Locomotives.....	61
Electric Hoists.....	196
Compressed air, 2; gasoline hoist, 13; total.....	15
Animals.....	637
Number of men killed: (underground, 23) (surface, 1) total.....	24
Number of men injured.....	693
Number of men killed per thousand employed (actual number of days worked)	2.92
Number of men injured per thousand employed.....	84.37
Number of tons of coal produced for each life lost.....	273,857
Number of tons of coal produced for each non-fatal accident.....	9,628.5
Number of men employed per fatal accident.....	342.2
Number of men employed per non-fatal accident.....	11.8
Number of men killed per million tons of coal produced.....	3.59
Number of men injured per million tons of coal produced.....	103.8
Number of widows left.....	16
Number of minor children left fatherless.....	24

*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 1940

RECEIPTS:

	1940	1939
COAL TAX COLLECTED.....	\$ 26,825.09	\$ 22,517.46
LICENSES TO OPERATE COAL MINES.....	11,210.00	13,880.00
SALE OF COAL MINING LAWS.....	66.30	54.24
SALE OF FIRST AID MANUALS.....	-----	6.00
REFUNDS AND CREDITS ADJUSTED.....	29.27	23.01
BALANCE BROUGHT FORWARD JANUARY 1, 1940.....	1,370.89	1,778.71
TOTAL RECEIPTS.....	<u>\$ 39,501.55</u>	<u>\$ 38,259.42</u>

DISBURSEMENTS:

SALARIES (Field & Office).....	\$ 29,149.92	\$ 28,675.13
AUTO MILEAGE, EXPENSES, SUPPLIES, REPAIRS, ETC.....	3,162.72	3,361.07
SPECIAL INVESTIGATORS.....	52.70	-----
HOTEL EXPENSE & MEALS (Field Force).....	1,007.60	902.10
RENT (Office).....	1,283.44	1,282.56
PRINTING.....	867.26	522.75
POSTAGE.....	381.55	530.94
STATIONERY, OFFICE SUPPLIES.....	343.29	161.23
TELEPHONE.....	427.44	465.82
TELEGRAPH.....	54.44	37.64
OFFICE INSTRUMENTS & EQUIPMENT.....	178.15	138.21
FIELD EQUIPMENT (Express charges, Insurance, Miscellaneous).....	578.40	573.30
TOTAL DISBURSEMENTS.....	<u>\$ 37,486.91</u>	<u>\$ 36,888.53</u>

BALANCE ON HAND JANUARY 1, 1941.....\$ 2,014.64

INTRODUCTION

TWENTY-EIGHTH ANNUAL REPORT

OF THE

STATE INSPECTOR OF COAL MINES

1940

The total production in the Colorado coal mines for the year 1940 was 6,672,579 tons, showing an increase of 681,557 tons over 1939. The 373 licensed mines employed an average of 8,213 men who worked an average of 173.4 days, with 24 fatalities and 693 non fatalities for the year. This shows a steady improvement.

SIX MONTHS ACCIDENT RECORD FOR 1940

1st 6 months	2nd 6 months
1. Pryor Mine, Huerfano County	1. Baum Mine, Weld County
2. Black Diamond No. 2, Boulder County	2. Caldirola Mine, Fremont County
3. Kenneth Mine, Las Animas County	3. Morrison Mine, Weld County
4. Frederick Mine, Las Animas County	4. Boncarbo Mine, Las Animas, County
5. City No. 1 Mine, El Paso County	5. Sterling Mine, Weld County
6. Cedar Canon Mine, Fremont County	6. City No. 1 Mine, El Paso County

STATE INDUSTRIAL FIRST AID CONTEST

Coal Mining Section	1. Clayton-Morrison Mines, Weld County 2. Columbine Mine, Weld County
Metal Mining Section	1. Climax Mine, Lake County 2. Summitville Consolidated Mines, Rio Grande County
Women	1. Pinnacle Mine, Routt County 2. Sterling Mine, Weld County
Manufacturing	1. Gates Rubber Company, Denver 2. Gates Rubber Company, Denver

Utilities	1. Public Service Company, Denver 2. Public Service Company, Denver
Common Carriers	1. City Group of Denver, Captain Young 2. City Group of Denver, Captain Lindsay
Public Division	1. Denver Fire Department, Squad No. 2 2. Denver Police Department
Boy's Division	1. Robinson No. 4 Mine, Huerfano County 2. King Mine, Delta County
Girl's Division	1. King Mine, Delta County 2. Camp Fire Girls, Denver
Boy Scouts	1. Troop No. 103, Denver 2. Troop No. 7, Denver

Black Diamond Jubilee First Aid Contest, Walsenburg

1. Robinson No. 4 Mine, C. F. & I. Corp., Farr, Colo.
2. Frederick Mine, C. F. & I. Corp., Valdez, Colo.
3. Kebler No. 2 Mine, C. F. & I. Corp., Tioga, Colo.

Las Animas Labor Day Contest, Trinidad—U. M. W. of A.

1. Kebler Mine No. 2, C. F. & I. Corp., Tioga, Colo.
2. Frederick Mine, C. F. & I. Corp., Valdez, Colo.

Routt County Fair Contest, Hayden—Holmes Chapters

1. Pinnacle Mine, Victor-American Fuel Co., Pinnacle, Colo.
2. Harris Mine, Colorado & Utah Coal Co., Mt. Harris, Colo.

The following certificates were issued during 1940:

First Aid.....	1,306
Mine Rescue.....	94
Shot Firer	148
Additional ratings for Coal Mining Officials.....	53

The Washington mine, operated by the Clayton Coal Company, was opened during the year, employing an average of 60 men, and producing 38,749 tons, with a capacity of 2,000 tons per day.

The Rockvale No. 3 mine, operated by the Colorado Fuel & Iron Corporation, in Fremont County, received a Holmes Safety award for the completion of their 36th year without a fatal accident.

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 1940:

Total number of inspections made.....	1,260
Total number of fatal accidents investigated.....	24
Number of general complaints adjusted.....	93
Number of scale inspections made.....	15
Total number of miles traveled by the Field Force..	78,326

THOMAS ALLEN,
State Inspector of Coal Mines.

TABLE No. 1

DIRECTORY AND COAL PRODUCTION OF COAL MINES IN STATE OF COLORADO FOR CALENDAR YEAR 1940

Company	Mine	County	Mgr. or Genl. Supt.	Company P. O.	Mine Supt.	Mine P. O.	R.R.	Shaft	Slope	Pitch	Drift	Tunnel Length	Seam
Aaron Coal Co.	Aaron	Huerfano	Emil Richter	Prior	Emil Richter	Prior	None	---	500	20%	---	---	30
Adair, Ivor	Rio Blanco	Garfield	Ivor Adair	Rio Blanco	Ivor Adair	Rio Blanco	None	---	632	---	---	---	9 0
Aquilla & Neish	Thomas	Mesa	J. J. Neish	Grand Jct.	J. J. Neish	Grand Jct.	None	---	500	19%	---	300	4 6
Ainsworth, H. A.	Wilden	Montezuma	H. A. Ainsworth	Mancos	H. A. Ainsworth	Mancos	None	---	707	4%	---	---	5 6
Alcege, Jack & Dick	Buckhorn	Moffat	---	Hamilton	No report filed	Hamilton	---	---	---	---	---	---	---
Alpine Fuel Co.	Alpine	Gunnison	L. D. Hardin	Baldwin	Vince O'Prandi	Baldwin	D.&R.G.W.	150	3800	15%	---	---	7 0
American Ind. Fuel Co.	Amer. Ind.	---	---	---	---	---	---	---	---	---	---	---	---
American Smelting & Ref. Co.	No. 3	Fremont	John Newell	Florence	John Newell	Florence	None	---	202	20%	---	---	3 0
Apishapa Valley Coal Co.	Boncarbo	Las Animas	C. R. Garrett	Cokedale	G. O. Arnold	Cokedale	D.&R.G.W.	525	8400	1½%	Yes	---	5 2
Arcuri, Manuel	Apishapa	Las Animas	Julian G. Valdez	Aguilar	Julian G. Valdez	Aguilar	None	---	375	---	Yes	---	5 3
Audin, Clement & Sons	Mary	Las Animas	Manuel Arcuri	Trinidad	Manuel Arcuri	Trinidad	None	---	700	---	Yes	---	36
Ausec, Frank	Nest	Gunnison	Clement Audin	Somerset	Clement Audin	Somerset	None	---	750	5%	---	---	6 6
Babb, Jr., John	Busy Bee	El Paso	Frank Ausec	Colo. Spgs.	Frank Ausec	Colo. Spgs.	None	---	105	---	---	---	4 to 20 0
Babson Coal Co.	Wise	Moffat	John Babb, Jr.	Craig	John Babb, Jr.	Craig	None	---	990	---	Yes	---	8 10
Baione, Joe	Babson	Koutt	John T. Mills	Hayden	John T. Mills	Hayden	None	---	500	---	---	30	9 6
Bald Coal Co.	Star	Fremont	Joe Baione	Canon City	Joe Baione	Canon City	None	---	800	5%	Yes	---	3 to 4 0
Baldwin, C. F.	Bald	Fremont	---	Florence	No report filed	Florence	---	---	---	---	---	---	---
Baldy Coal Co.	Bachy	Larimer	C. F. Baldwin	Dacona	C. F. Baldwin	Carr	None	---	250	5%	---	---	5 0
Barker, Dora	Baldy	Las Animas	E. W. McGrisson	Trinidad	E. W. McGrisson	Trinidad	None	---	180	30%	Yes	180	6 0
Barker, W. L.	Barker	Elbert	Harvey Noakes	Matheson	Harvey Noakes	Matheson	None	---	300	30%	Yes	---	7 6
Barnell, Geo. M.	White	Weld	---	Ia Salle	No report filed	Ia Salle	---	---	---	---	---	---	---
Baxter, Arthur	Ash	Jackson	Geo. M. Barnell	Walden	George M. Barnell	Walden	None	---	80	15°	Yes	---	50 0
Bear Canon Coal Co.	Rector	Rio Blanco	Arthur Baxter	Rangely	Arthur Baxter	Rangely	None	---	---	---	Yes	---	11 11
Bear Canon & Coke Co.	Canon No. 6	---	---	---	---	---	---	---	---	---	---	---	---
Bear River Coal Co.	Bear	Las Animas	Wm. G. Pleased	Trinidad	Leo Oss	Vallorso	C.&S.	---	4700	1½%	Yes	---	6 0
Bear River Coal Co.	Bear	Gunnison	Tony Bear	Somerset	Tony Bear	Somerset	D.&R.G.W.	---	1500	11%	Yes	---	7 0
Bear River Coal Co.	Bear River	Koutt	W. H. Peltier	Denver	Wm. Morgan	Bear River	D.&S.L.	---	---	---	---	---	8 to 12 0

TABLE No. 1—Continued

DIRECTORY AND COAL PRODUCTION OF COAL MINES IN STATE OF COLORADO FOR CALENDAR YEAR 1940																
Company		Mine	County	Mgr. or Genl. Supt.	Company P. O.		Mine Supt.	Mine P. O.	R. R.	Tons Produced	Shaft	Opening		Tunnel	Seam	
												Slope	Pitch	Drift	Length	Ft.
Brenton, H. F.	North	Meeker	Rio Blanco	H. F. Brenton	Meeker	H. F. Brenton	Meeker	None	None	267	---	165	---	Yes	---	11 4
	Brewer & Ganns	Sun No. 2	Huerfano	Frank M. Raeder	La Veta	Frank M. Raeder	La Veta	None	None	389	200	200	10%	Yes	---	10 0
	Brooks, Ira	Green	Valley	Ira Brooks	Cedaredge	Ira Brooks	Cedaredge	None	None	5,890	---	300	26°	Yes	---	5 6
Brookside Coal Min. Co.	Brookside	Fremont	Frank Orecchio	Florence	Florence	Frank Orecchio	Florence	None	None	3,498	---	1600	20%	Yes	---	2 6
	Brundy, Roy L.	Tamoc	Weld	Roy L. Brundy	Cornish	Roy L. Brundy	Cornish	None	None	216	---	---	---	Yes	160	2 6
	Buddy Coal Co.	Buddy	Weld	A. Bud Early	Greeley	---	La Salle	None	None	875	110	---	---	---	---	2 8
	Butte Valley Coal Co.	Butte Valley (Alamo No. 2)	Huerfano	Geo. B. Dick	Walsen- burg	Alex Shields	Butte Valley	D. & R. G. W.	75,597	---	---	2800	34%	---	900	9 0
Caddell, Ed	Caddell No. 3	Huerfano	Ed Caddell	Walsen- burg	Walsen- burg	Ed Caddell	Walsen- burg	None	None	789	---	1400	7%	---	---	4 0
Caldirola Coal Co.	Caldirola	Fremont	Chas. J. Caldirola	Florence	Florence	Chas. J. Caldirola	Florence	None	None	34,067	---	1600	4%	Yes	---	6 to 7
	Calhoun, James	Garcia	Las Animas	James Calhoun	Boncarbo	James Calhoun	Boncarbo	None	None	977	---	100	---	Yes	---	5 6
Calumet Fuel Co.	No. 2	Las Animas	James Calhoun	Boncarbo	Boncarbo	James Calhoun	Boncarbo	None	None	261	---	135	3%	Yes	---	5 6
	Calumet	No. 2	Huerfano	Moroni Heiner	Salt Lake City	A. P. French	Delcarbon	D. & R. G. W.	102,435	---	---	3200	4°	---	300	4 0
Calumet Fuel Co.	Somerset	Gunnison	Moroni Heiner	Salt Lake City	Robt. Williams, Jr.	Somerset	D. & R. G. W.	210,458	---	---	---	3200	6%	Yes	700 5½	to 7 0
Canon Black Diamond Coal Co.	Canon Bl. Diamond	Fremont	Louis Yellico	Florence	Florence	Florence	None	None	29,308	---	---	2800	---	---	---	7 to 9 0
Canon Blue Flame Coal Co.	Canon Blue Flame	Fremont	J. E. Ortiz	Florence	Florence	J. E. Ortiz	Florence	None	None	470	---	136	25%	---	136	2 2

Canon Chief Coal Co., Canon Chief	Fremont	Domenic Moschetti	Florence	None	17,840	2000	6%	-----	5 0
Canon Imperial Coal Co.	Canon Imperial	Fremont	A. V. Madonna	Coal Creek	A. V. Madonna	Coal Creek	None	822	3 6
Canon King Coal Co.	Canon King	Fremont	James Morris	Florence	None	135	19%	Yes	3 2
Canon Liberty Coal Co.	Canon Liberty	Fremont	Anton Strainer	Canon City	None	162	2%	-----	2 6
Canon Monarch Coal Co.	Canon Monarch	No. 2	W. J. Beer	Florence	None	18,105	6%	Yes	2 6
Canon Monarch Coal Co.	Pine Gulch	Fremont	W. J. Beer	Florence	None	12,216	8%	Yes	4 0
Canon National Coal Co.	Canon National	Fremont	Frank A. Boitz	Florence	None	23,979	37%	-----	6 6
Canon Quality Coal Co.	Canon Quality	Fremont	Jake Hand	Florence	Thos. A. Walker	Florence	None	4,726	32
Caprock Fuel Co.	Caprock	Jefferson	S. M. Thompson	Denver	A. H. Chatin	Arvada	None	27,916	12 0
Caranta Bros.	Morning Star	La Plata	Durango	Durango	None	976	-----	-----	5 0
Carbon Coal Co.	Evans	Weld	Geo. Zarlengo	Denver	No report filed	28,768	3%	Yes	7 6
Carestia, Paul	Carestia	Fremont	Black Rose	Las Animas	Rugby	39	43°	-----	-----
Castle Coal Mining Co.	Castle	La Plata	Henry Naff	Durango	T. N. Naff	Durango	R. G. & S.	8,236	5 0
Chergo, Tom	Chergo	Route	Tom Chergo	Oak Creek	None	342	-----	Yes	8 4
Clara Bell Coal Co.	Clara Bell	El Paso	Thomas Howells	Colorado	Spgs. None	15,169	-----	-----	9 0
Clark & Mercer	Jarvis	Mesa	No report filed	Palisade	None	4,407	-----	-----	4 6
Clarke Coal Co.	Winger	Mesa	R. M. Clarke	Palisade	None	350	-----	-----	9 0
Clayton Coal Co.	Clayton	Weld	H. B. Crandell	Denver	John Sidle	U. P.	-----	-----	8 0
Clayton Coal Co.	Morrison	Weld	H. B. Crandell	Denver	John Sidle	U. P.	-----	-----	10 0
Clayton Coal Co.	Washing-	Weld	H. B. Crandell	Denver	John Sidle	U. P.	-----	-----	4 10
Clipp, Ray T.	Ideal	Delta	Ray T. Clipp	Cedaredge	None	1,211	-----	Yes	9 3
Coke, Frank	Black Dia-	Delta	Ray T. Clipp	Cedaredge	None	919	24%	-----	4 1/2
Cole, C. H.	King	Las Animas	Frank Coke	Trinidad	None	3,307	3°	Yes	6 6
Coles, W. E.	Newcastle	Garfield	W. E. Coles	Newcastle	W. E. Coles	-----	5%	Yes	12 0
				Castle	None	3,861	48%	Yes	1000

Cromie, D. W. Courtier & Busheff	Cimarron No. 2	Montrose	D. W. Cromie	Cimarron	None	246	.....	475	.....	Yes	.....	2	1
Daisy Coal Co.	Daisy	Boulder	Harris Courtier	Gorham	None	17,714	.....	1500	8%	.....	.....	5	0
Dalrymple, J. M.	Beaver Valley	Las Animas	Adam Galli	Agular	None	8,302	.....	800	.....	Yes	.....	2	10
Danville Coal Co.	Chimax	Elbert	J. M. Dalrymple	Agate	None	870	.....	52	.....	.....	.....	4	2
Deboy, Frank-Peter Ortiz	Ohkraut	El Paso	James Ralston	Colo. Spgs.	None	1,719	.....	100	28%	Yes	.....	10	0
Deldosso Coal Co.	Sopris	Garfield	Peter Ortiz	Glenwood Springs	None	117	.....	.....	.....	Yes	.....	3	6
Diamond Coal Co.	Diamond	Weld	John Deldosso	Trinidad	None	6,770	.....	.....	.....	Yes	.....	6	0
Diamond Fuel Co.	Diamond	Garfield	Fred Simpson	La Salle	None	2,488	127	.....	.....	.....	.....	4	2
Dick Coal Co.	Dix	Las Animas	Dave Davies	Glenwood Springs	None	196	.....	550	.....	Yes	.....	.....	.....
Di Giacomo, P.	Shamrock	Fremont	Henry R. Currie	Boncarbo	D. & R. G. W.	32,936	.....	6600	.....	.....	.....	4	6
Dill & Boglino	Dill	La Plata	Tony Di Giacomo	Coal Creek	None	265	.....	220	18%	Yes	.....	6	6
Domestic Coal Co.	Streeter	Canon	John Dill	Durango	None	.....	.....	.....	.....	.....	.....	3	0
Duca, Joseph Z.	Canon	Moffat	Ed. C. Shipley	Denver	D. & S. L.	29,888	.....	.....	.....	Yes	.....	25	10
Dufur, Xavier	Zenith	Fremont	Joseph Z. Duca	Florence	None	5,240	.....	900	8%	Yes	.....	3	0
Durango Coal Co.	Ft. Lewis	La Plata	Xavier Dufur	Kline	None	245	.....	.....	.....	Yes	.....	9	0
Eckert, J. Andrew	Durango	La Plata	Xavier Dufur	Durango	R. G. & S.	1,235	.....	900	5%	Yes	.....	2	8
Edwards, Geo. W.	Delta	Montrose	J. Andrew Eckert	Cedaredge	None	549	.....	150	20%	.....	.....	5	6
Elder, Gene	Edwards	Gunnison	Geo. W. Edwards	Somerset	None	4,293	.....	785	6%	.....	.....	7	6
Eldridge, O. P.	Baker	San Miguel	Gene Elder	Norwood	None	73	.....	.....	.....	Yes	.....	2	11
Fabec, Louis	Independence	Moffat	O. P. Eldridge	Craig	None	.....	.....	.....	.....	.....	.....	9	0
Fagan, Leo F.	Independence	Las Animas	Louis Fabec	Trinidad	None	489	.....	.....	3%	Yes	.....	4	4
Fennell, C. E.	Monarch	Montrose	Leo F. Fagan	Nuclea	None	963	.....	.....	.....	.....	.....	.....	.....
Fields & Jones	Wise Hill	Mesa	C. E. Fennell	Grand Jct.	None	1,359	.....	400	35%	Yes	.....	4 1/2	.....
Fitzsimmons, E. A.	Quality	Moffat	Field & Jones	Craig	None	446	.....	200	12%	Yes	.....	7	6
Florence Canon Coal Co.	Fitzsimmons	Delta	E. A. Fitzsimmons	Paonia	None	250	.....	900	.....	.....	.....	12	0
Florence Coal Mines, Inc.	Charm	Fremont	No report filed	Florence	.....	.....	.....	.....	.....	.....	.....	.....	.....
Foderaro, John	Mountain View	Fremont	John McGovern	Florence	None	3,425	.....	1000	25%	.....	.....	4	6
	Strawberry		Wm. Peachey	Florence	.....	.....	.....	.....	.....	.....	.....	.....	.....
	No. 2	Huerfano	John Foderaro	Pueblo	Walsenburg	1,490	.....	450	5%	Yes	.....	3	6

TABLE No. 1—Continued

DIRECTORY AND COAL PRODUCTION OF COAL MINES IN STATE OF COLORADO FOR CALENDAR YEAR 1940														
Company	Mine	County	Mgr. or Genl. Supt.	Company P. O.	Mine Supt.	Mine P. O.	R. R.	Tons Produced	Shaft	Slope	Pitch	Drift	Tunnel Length	Seam
														Ft. In.
Franceville Coal Co.	Franceville	El Paso	L. F. Gordley	Colo. Spsrs. Cortez	L. F. Gordley	Colo. Spsrs. Cortez	None	4,813	---	1000	---	Yes	---	4 8
Gantz, Daniel	Gantz	Montezuma			No report filed				---				224	6 0
Garcia, Gus & Sons	Garfield	Las Animas	Gus Garcia	Poncarbo	Gus Garcia	Poncarbo	None	738	---	1200	12%	Yes	---	3 to 6 0
Garfield Coal Co.	Garfield	Mesa	Walter Scott	Palisade	Walter Scott	Palisade	None	7,712	---	1200	---		---	0 0
Gaspar, Louis	Regal	Boulder	Louis Gaspar	Lafayette	Louis Gaspar	Louisville	None	20,341	285				---	6 0
Gearhart, Ballard	Mt. Gearhart	Mesa	B. Gearhart	Palisade	B. Gearhart	Palisade	None	5,853	---	500	10%	Yes	200	5 6
Gem Coal Co.	Gem	Garfield	L. J. Bendetti	Glenwood Springs		Glenwood Springs	None	6,001	---	300	---		---	4 6
Giordano Coal Co.	Ravenwood	Huerfano	Joe Giordano	Walsenburg	Joe Giordano	Walsenburg		5,733	---	4000	4%	Yes	---	2 6
Giordano Coal Co.	Rouse	Huerfano	Joe Giordano	Walsenburg	Eugene Giordano	Walsenburg			---	1100	8%	Yes	300	5 0
Giuliano & Sons	Cedar						D. & R. G. W.	10,838	---	1500	20%	Yes	---	5 6
Giuliano Coal Co.	Canon	Fremont	John G. Giuliano	Florence	Mike Giuliano	Florence	None	42,068	---	1900	18%		---	3 1/2
	Gem	Las Animas	Lawrence Giuliano	Agular	Lawrence Giuliano	Agular	C. & S.	7,403	---	75	15%	Yes	---	5 0
Glorioso & Iuppa	Lakeview	No. 2	Las Animas	Chas. Gloriosio		Trinidad	None	2,783	---		3%	Yes	---	3 6
Glover, N. R. & G. R.	Lakeview	Montezuma	N. R. Glover	Cortez		Cortez	None	65	---				---	5 0
Glumac, Steve	Burro								---				---	
Gordon Coal Co.	Canon	Las Animas	Steve Glumac	Trinidad	Steve Glumac	Trinidad	None	44	---			Yes	---	
	Gordon	Huerfano	George B. Dick	Walsenburg		Walsenburg			---				---	
Graden Coal Co.	Graden	Weld	James McFadden	Denver	Tom Barclay	Walsenburg			---	4800	5%	Yes	700	3 8
Green Canon Coal Co.	Green				James McFadden	Dacono	U. P.	38,117	316				---	7 6
Griffiths Coal Min. Co.	Canon	Las Animas	George Clark	Agular	George Clark	Agular	None	1,824	---			Yes	---	2 0
	Griffiths								---				---	
Chandler Creek		Fremont	W. R. Griffiths	Canon City	W. R. Griffiths	Canon City	D. & R. G. W.	15,489	---	1500	8%		400	3 6

TABLE No. 1—Continued

DIRECTORY AND COAL PRODUCTION OF COAL MINES IN STATE OF COLORADO FOR CALENDAR YEAR 1940															
Company	Mine	County	Mgr. or Genl. Supt.	Company P. O.	Mine Supt.	Mine P. O.	R.R.	Tons Produced	Opening			Tunnel		Seam	
									Shaft	Slope	Pitch	Drift	Length		Ft.	In.
Ideal Coal Co.	New Ideal	Huerfano	Dr. G. R. Mallett	Walsenburg	Wm. Cominotti	Walsenburg	C. & S. U. P.	7,291 127,197	300	500	5%	Yes	---	5 6 10 6	
Imperial Coal Co.	Imperial	Weld	James Brennan	Denver	Elmer Ellis	Walden	None	555	---	100	20%	Yes	---	36 0	
Spell Jackson, J. C.-Harry	Sudduth	Jackson	Harry L. Snell	Walden	No report filed	Hotchkiss	None	25	---	---	---	---	---	---	
Jackson, R. M.	Burdick	Delta	---	Hotchkiss	---	Hotchkiss	---	485	---	---	---	---	---	4 2 4 1/2 0	
Jackson, D. C.	Stonewall	---	---	---	---	---	---	1,073	---	---	---	---	---	---	
Jeffries Fuel Co.	Valley	Las Animas	Vincent James	Weston	Vincent James	Weston	None	---	---	---	---	---	---	---	
Jeffries Fuel Co.	Jeffries	Las Animas	George Gulley	Trinidad	George Gulley	Trinidad	None	---	---	---	---	---	---	---	
Jenkins & Lewis Coal Co.	Jenkins & Lewis	Delta	Guy H. Lewis	Paonia	Guy H. Lewis	Paonia	None	405	---	175	3%	Yes	---	7 6	
Jewell Collieries Corp.	Creston	Las Animas	Geo. B. Dick	Walsenburg	T. J. Stone	Agular	C. & S.	15,847	---	5280	2%	Yes	150	4 4	
Jimmy Camp Fuel Co.	Jimmy Camp	El Paso	John Palosky	Colo. Spgs.	John Palosky	Colo. Spgs.	None	1,706	---	1500	5%	---	70	5 5	
Johnson, Claude L.	Burro Creek	Ouray	---	Montrose	No report filed	Montrose	None	---	---	---	---	---	---	---	
Johnson, Howard Z.	Pioneer	Ouray	---	Cheyenne	No report filed	Cheyenne	None	36	---	300	20%	---	---	5 0	
Jones, R. C.	Black Cat	Routt	R. C. Jones	Mt. Harris	R. C. Jones	Mt. Harris	None	---	---	---	---	---	---	---	
Jones, W. F.	Blue Spruce	Routt	W. P. Jones	Oak Creek	A. R. Bowie	Oak Creek	None	38	---	600	37%	Yes	---	5 6	
Juanita Coal & Coke	King	Delta	John S. Bowie	Bowie	A. R. Bowie	Bowie	D. & R. G. W.	40,248	---	5200	6%	---	---	8 to 14 0	
Kattnig, Martin	White Ash	Fremont	Martin Kattnig	Florence	Martin Kattnig	Florence	None	543	---	700	6%	Yes	---	1 10	
Kawcak, Panko	Little Bear	Moffat	Panko Kawcak	Craig	---	Craig	None	392	---	287	---	---	---	15 0	
Kerr Coal Co.	Cameo	Mesa	W. M. Kerr	Cameo	W. M. Kerr	Cameo	D. & R. G. W.	28,661	---	2500	6%	---	500	5 0	
Keystone Coal Co.	Keystone	Routt	W. H. Peltier	Denver	Wm. L. Morgan	Routt	D. & S. L.	95,454	---	3000	15%	Yes	---	6 0	
Klantschnek, John	North Meeker	Rio Blanco	---	Meeker	No report filed	Meeker	None	---	---	---	---	---	---	---	
Klay, Pete	Meeker	Las Animas	Pete Klay	Trinidad	Pete Klay	Trinidad	None	113	---	---	---	---	---	2 0	
Klikus Coal Co.	C. O. D.	---	---	---	---	---	---	---	---	---	---	---	---	---	
Klikus Coal Co.	Klikus	Las Animas	Pete Klay	Trinidad	Pete Klay	Trinidad	None	---	---	---	---	---	---	---	
Knez, Joe L.	No. 2	Huerfano	John Klikus	La Veta	John Klikus	La Veta	None	448	---	240	---	Yes	---	3 6	
Knez, Joe L.	Knez	Moffat	Joe L. Knez	Craig	Joe L. Knez	Craig	None	6,332	1000	5000	---	---	90	8 0	

Knowlton, W. H.	O. K.	San Miguel	W. H. Knowlton	Norwood	None	321	.....	Yes	.....	3	2
Kovac, Agnes	Hidden	Treasure Mesa	Mike Steele	Fruita	None	994	.....	12%	.....	3	6
Ko-Z Coal Mining Co.	Fire-side	Boulder	J. W. Thomas	Louisville	None	6,270	.....	42%	.....	3 1/2	to 6
Lee, H. A. & Son	Coal White Ash	Moffat	H. A. Lee	Vernal, Utah	None	534	.....	4%	Yes	7	0
Leyden-Lignite Co.	Leyden	Jefferson	Harry F. Nash	Denver	Leyden via Golden	117,027	.....	.....	.....	6	to 9
Liley & Melino	Liley	Poudre	Chas. Liley	Broomfield	Chas. Liley	16,821	.....	.....	.....	6	9
Linn, David D.	David's	Grand	Jack Groutage	Oak Creek	None	199	.....	9°	.....	9	6
Logan & Moore	Baby	Platteville	No report filed	Boulder	No report filed	50	.....	.....	.....	.....	.....
Louisville-Lafayette Coal Co.	Hi-Way	Boulder	Frank Yakes, Jr.	Louisville	W. E. Pitchford	134,172	.....	.....	.....	6	6
Lowery & Kay H.	Columbine	Ouray	No report filed	Ridgeway	No report filed	.....	.....	.....	.....	.....	.....
Lucero & Ruiz	New Start	Lincoln	T. W. Tweeddale	Trinidad	None	3,053	.....	.....	.....	3 1/2	0
McDowell, James	Lincoln	Mesa	James McDowell	Palisade	None	490	.....	.....	Yes	2	10
McLaughlin Coal Co.	Gorham	Boulder	No report filed	Denver	None	.....	.....	.....	.....	.....	.....
McMillan, George	Nearling	Mesa	Geo. McMillan	Fruita	None	500	.....	6%	Yes	5	9
McNeill Coal Corp.	Sterling	Weld	Floyd R. Pool	Denver	U. P.	75,222	.....	.....	.....	6	9
McPhail & Son	Skyline	Las Animas	Thomas McPhail	Aguliar	None	494	.....	6%	.....	3	6
Macy, Veva Pierce	Sunshine	La Plata	Duranzo	Duranzo	None	3,468	.....	.....	.....	6	0
Maitland Fuel	Maitland	Huerfano	John Manka	Walsenburg	None	.....	.....	.....	.....	.....	.....
Major Coal Co.	Major	Huerfano	John Cornali	Walsenburg	None	2,550	.....	6%	.....	3	2
Major Coal Co.	Major	Huerfano	John Cornali	Walsenburg	D. & R. G. W.	14,588	.....	27%	.....	3	0
Mancos Coal Co.	Mancos	Montezuma	Roy Freeman	Mancos	D. & R. G. W.	1,778	.....	30%	Yes	3	6
Manley Coal Co.	Manley	Montezuma	Wm. Manley	Canon City	None	950	.....	.....	Yes	3	0
Manning, O. V.	Valley	La Plata	O. V. Manning	Mancos	None	6,457	.....	.....	.....	4	6
Marinelli, Mike	View	La Plata	O. V. Manning	Mancos	None	740	.....	2%	Yes	5	6
Marinelli, Mike	Marinelli	Mesa	Charles Vidmar	Fruita	None	32	.....	.....	Yes	3	6
Martin, Richard C.	Flame	Mesa	Richard C. Martin	Palisade	None	2,458	.....	10%	.....	5	6
Martinez, Andy	Rueby	Huerfano	Andy Martinez	Pryor	None	30	.....	6%	Yes	300	200

TABLE No. 1—Continued

DIRECTORY AND COAL PRODUCTION OF COAL MINES IN STATE OF COLORADO FOR CALENDAR YEAR 1940															
Company	Mine	County	Mgr. or Genl. Supt.	Company P. O.	Mine Supt.	Mine P. O.	R. R.	Tons Produced	Shaft	Slope	Pitch	Drift	Tunnel Length	Seam	
Martinez & Velardo.....	Strawberry No. 1.....	Huerfano.....	Paul A. Martinez.....	Walsenburg.....		Walsenburg.....									
Martorano & Sons	Martorano	Las Animas	Mike Martorano	Sopris	Mike Martorano	Sopris	None	230	200	150		Yes	50	3 0	
Mathews, John	Weber	Routt	John Mathews	Oak Creek	John Mathews	Hayden	None	1,225		125		Yes		2 8	
Medill Bros.	Yellow Jacket	Archuleta	Herbert H. Medill	Payfield	Jesse O. Williams	Payfield	None	74					84	42 0	
Micheli, Pio	Rapson	Las Animas	Pio Micheli	Rugby	Pio Micheli	Rugby	C.&S.	11,558		3000	6%			3 10	
Midwest Fuel & Timber Co.	Champion	Routt	Geo. Zarlenzo	Denver		Mt. Harris	None	923		400	12%	Yes		5 8	
Minnequa Fuel Co.	Morning Glory	Huerfano.....	Robert Turner	Walsenburg.....	Robert Turner	Walsenburg.....	D. & R. G. W.	30,627		2200	5-6%	Yes	150	4 6	
Mitchell, Lyle	Liberty Bell	Montrose	Lyle Mitchell	Nuclea	Lyle Mitchell	Nuclea	None	587				Yes	300	5 6	
Model Coal Co.	Model	Boulder		Denver	No report filed										
Moffat Coal Co.	Moffat No. 1 & No. 2	Routt.....	B. W. Snodgrass.....	Denver.....	Gomer Reese	Oak Creek	D. & S. L.	172,603		1100			3000	5 to 12 0	
Monteleone, Aleck J.	Monteleone	Las Animas	T. W. Tweeddale	Jansen	T. W. Tweeddale	Jansen	None	448				Yes		5 0	
Morasky, Joe	Morasky	Las Animas	Joe Morasky	Trinidad		Trinidad	None	2,314						3 6	
Mosco & Sweet	Sampson	Huerfano		Walsenburg.....		Walsenburg.....				500	5%		300	4 0	
Mt. Carbon Anthracite Co.	Richardson	Gunnison.....	Gomer Dollard	Gunnison.....	Gomer Dollard	Gunnison.....	None	677		800	6%	Yes	200	4 6	
Murrell, James	Murrell	Huerfano.....	James Murrell	La Veta	James Murrell	La Veta	None	297		500	30°	Yes	30	3 0	
Nail, W. R. & Pete	Gentry	Rio Blanco	W. R. Nail	Meeker		Meeker	None	1,941				Yes		26 0	
Gozzer	Monarch	Boulder	T. E. Jenkins	Denver	Roy Williams	Broomfield	C. & S.	53,530						4 0	
National Fuel Co.	Eagle	Weld	T. E. Jenkins	Denver	Roy Williams	Erie	U. P.	171,358						9 to 10 0	
National Fuel Co.	White Ash	Elbert	Boria Newland	Matheson	Boria Newland	Matheson	None	2,415						9 0	
Newland, Boria	Pioneer	Huerfano	Louis Viola	Pueblo	Louis Viola	Pueblo	None	1,627		350	14%	Yes	150	5 6	

Nix & Nix.....	Sunshine.....	Montrose.....	A. E. Nix.....	Nucila.....	Nucila.....	None.....	2,239.....	250.....	2%.....	Yes.....	5.....	0.....
Nogo, John.....	White.....	Rose.....	John Nogo.....	Carr.....	Carr.....	None.....	359.....	350.....	8%.....	.....	4.....	8.....
North Park Coal Co.....	Moore.....	Larimer.....	R. W. Moore.....	Ft. Collins.....	Elmer B. Brinker.....	Coalmont.....	L.N.P. & W. 12,460.....	.....	.....	.....	25.....	0.....
Nushaft Canon Coal Co.....	Nushaft.....	Fremont.....	E. B. Cribbs.....	Coal Creek.....	H. A. Bishop.....	Coal Creek.....	None.....	2,000.....	5%.....	Yes.....	300.....	3 to 4.....
Nushaft Canon Coal Co.....	Rex.....	Carbon.....	E. B. Cribbs.....	Coal Creek.....	Arthur Angel.....	Coal Creek.....	None.....	1,800.....	11%.....	Yes.....	450.....	7.....
O. K. Coal Co.....	O. K.....	Boulder.....	No report filed.....	Boulder.....	.....	Boulder.....	.....	.....	.....	.....	.....	4 to 5.....
O. K. Coal Co.....	O. K.....	La Plata.....	L. D. Burnett.....	Durango.....	L. D. Burnett.....	Durango.....	None.....	6,152.....	.....	.....	.....	.....
Oliver Coal Co.....	Oliver.....	Gunnison.....	E. M. Oliver.....	Paonia.....	R. C. Oliver.....	Somerset.....	D.&R.G.W. 88,638.....	3,400.....	25%.....	Yes.....	.....	7.....
Owens, Louis.....	Farmers.....	Delta.....	Louis Owens.....	Hockkiss.....	.....	Hockkiss.....	None.....	300.....	.....	Yes.....	.....	7.....
Owens, W. H.....	Prospect.....	No. 1.....	Las Animas.....	W. H. Owen.....	Trinidad.....	Trinidad.....	None.....	86.....	.....	.....	.....	2.....
Owens, W. H.-Chas.....	Prospect.....	No. 2.....	Las Animas.....	W. H. Owen.....	Trinidad.....	Trinidad.....	None.....	200.....	.....	.....	.....	4.....
Trujillo.....	Prospect.....	No. 2.....	Las Animas.....	W. H. Owen.....	Trinidad.....	Trinidad.....	None.....	48.....	10%.....	Yes.....	.....	4 1/2.....
Pace, C. B. & Sons.....	Hunter.....	Mesa.....	C. B. Pace.....	Fruita.....	C. B. Pace.....	Fruita.....	None.....	.....	.....	.....	.....	0.....
Pacheco, Secundino.....	Pinon.....	Canon.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Palisade Coal Co.....	Palisade.....	No. 2.....	Las Animas.....	Carl Hicks.....	Trinidad.....	Trinidad.....	None.....	103.....	.....	.....	.....	.....
Paolazzi & Moda.....	Harvey.....	Gap.....	Garfield.....	Clem A. Paolazzi.....	New Castle.....	Castle.....	None.....	1,984.....	.....	.....	1,100.....	4.....
Paonia Farmers Coal Co.....	Paonia.....	Farmers.....	Delta.....	Albion Baker.....	Paonia.....	Paonia.....	None.....	4,636.....	10%.....	Yes.....	.....	7.....
Park, D.-Allen.....	Monroe.....	Weld.....	.....	No report filed.....	Erie.....	Erie.....	.....	1,714.....	.....	.....	.....	6.....
Park, D.-Allen.....	McNeil.....	Routt.....	McGregor.....	Joseph E. Partch.....	McGregor.....	McGregor.....	D.&S.L. 9,317.....	600.....	.....	Yes.....	.....	7.....
Partch Bros.....	McNeil.....	Routt.....	McGregor.....	Joseph E. Partch.....	McGregor.....	McGregor.....	D.&S.L. 9,317.....	600.....	.....	Yes.....	.....	7.....
Patton, Lloyd L.....	Red Canon.....	Delta.....	Lloyd L. Patton.....	Cedaredge.....	Lloyd L. Patton.....	Cedaredge.....	None.....	750.....	6%.....	Yes.....	.....	4.....
Peachey Coal Co.....	Oakdale.....	Huerfano.....	Wm. Peachey.....	La Veta.....	Wm. Peachey.....	La Veta.....	None.....	500.....	4%.....	Yes.....	.....	6.....
Peacock Coal Co.....	Ojo Canon.....	Huerfano.....	Wm. Peachey.....	La Veta.....	Wm. Peachey.....	La Veta.....	None.....	703.....	30%.....	Yes.....	.....	8.....
Peacock Coal Co.....	Canon.....	Peacock.....	Front.....	Sam McGahuey.....	Walsen-burg.....	Walsen-burg.....	None.....	600.....	30%.....	Yes.....	.....	5.....
Peaks Coal Co.....	Peaks.....	Huerfano.....	Eloy Montez.....	Walsen-burg.....	Eloy Montez.....	Walsen-burg.....	None.....	300.....	20%.....	Yes.....	15.....	6.....
Perino Coal Co.....	Newlan.....	Creek.....	Fromont.....	James Perino.....	Florence.....	Florence.....	None.....	460.....	13%.....	.....	.....	2.....
Petry, D. S.....	Old Slope.....	Fromont.....	D. S. Petry.....	Florence.....	D. S. Petry.....	Florence.....	None.....	1600.....	6%.....	Yes.....	400.....	3.....
Petry Bros. Coal Co.....	Petry Bros.....	Fromont.....	Tony M. Petry.....	Penrose.....	Tony M. Petry.....	Penrose.....	None.....	100.....	10%.....	Yes.....	100.....	4.....
Phelan, C. G.....	Mt.....	Sirector.....	Moffat.....	C. G. Phelan.....	Axial.....	Axial.....	None.....	100.....	8%.....	Yes.....	.....	3.....
Pierce, Thos. G.....	Pierless.....	La Plata.....	Thos. G. Pierce.....	Durango.....	Thos. G. Pierce.....	Durango.....	None.....	125.....	18%.....	Yes.....	.....	23.....
								1,124.....	.....	.....	.....	4.....

TABLE No. 1—Continued

DIRECTORY AND COAL PRODUCTION OF COAL MINES IN STATE OF COLORADO FOR CALENDAR YEAR 1940

Company	Mine	County	Mgt. or Genl. Supt.	Company P. O.	Mine Supt.	Mine P. O.	R.R.	Tons Produced	Shaft	Opening		Tunnel	Seam
										Slope	Pitch	Drift	Length
Pikes Peak Fuel Co.	Pikeview	El Paso	W. D. Wade	Colo. Sggs. V. H. Wade	Pikeview	D.&R.G.W.	183,584	174	174	1000	12°	-----	12 0
Pine Cliff Coal Co.	Pine Cliff	Boulder	Bert Eaks	Boulder	Bert Eaks	Boulder	None	3,425	-----	1300	-----	-----	4 0
Pittsburg Coal Co.	Pittsburg	Boulder	D. H. Davies	Boulder	D. H. Davies	Boulder	None	1,185	-----	-----	-----	-----	4 0
Placita Coal Co.	Placita	Pitkin	J. E. McCann	Carbon- dale	J. E. McCann	Carbon- dale	C.R.&S.J.R.	998	-----	-----	4.4%	Yes	87
Pluto Coal Min. Co.	Pluto	No. 2	Frank E. Hodgson	Boulder	Frank E. Hodgson	Superior	None	14,717	-----	1800	50%	-----	5 0
Pollard, C. F.	New Pol- lard No.	Boulder	Frank E. Hodgson	Boulder	Frank E. Hodgson	Superior	None	14,717	-----	1800	50%	-----	5 0
Premier Coal Co.	Premier	Boulder	E. A. Main	Meeker	Meeker	Meeker	None	910	-----	600	30%	Yes	15
Pryor Coal Min. Co.	Pryor	Huerfano	Frank Delisa	Boulder	Frank Delisa	Boulder	None	2,425	-----	3000	7%	Yes	6 0
Purcell, J. Russell	Purcell	Huerfano	R. E. Chambers	Denver	R. E. Chambers	Pryor	D.&R.G.W.	45,755	-----	-----	-----	-----	3 to 6
Raeder, Frank N.	Blue Jay	La Plata	Payfield	Payfield	No report filed	Payfield	None	-----	-----	-----	-----	-----	-----
Rainbow Coal Co.	Sun No. 1	Huerfano	La Veta	La Veta	No report filed	La Veta	None	257	-----	-----	-----	Yes	2 10
Red Ash Coal Co.	Rainbow	Las Animas	Nick Russetti	Trinidad	Nick Russetti	Trinidad	None	-----	-----	-----	-----	-----	-----
Rienau, R. C.	Rienau	Rio Blanco	R. C. Rienau	Meeker	R. C. Rienau	Meeker	None	8,315	-----	1500	12%	Yes	3 0
Rifle Coal Mines, Inc.	North	Canon	Canon	Grand Jct.	No report filed	Grand Jct.	None	415	-----	-----	-----	-----	-----
Riggs, W. E.	Forbes	Las Animas	W. E. Riggs	Trinidad	W. E. Riggs	Trinidad	None	1,564	-----	5000	1%	Yes	6 6
Riggs, W. E.	Forbes	Las Animas	W. E. Riggs	Trinidad	W. E. Riggs	Trinidad	None	506	-----	150	-----	Yes	6 0
Rocchio, Tony	Farmers- Mutual	Mesa	Tony Rocchio	Grand Jct.	Tony Rocchio	Grand Jct.	None	2,408	-----	-----	-----	Yes	0 30
Rocky Mountain Fuel Co.	Columbine	Weld	A. Grant	Denver	Harry Swihart	Serene	C.B.&Q.	285,826	300	625	-----	-----	6 to 11
Rocky Mountain Fuel Co.	Industrial	Boulder	A. Grant	Denver	David Kerr	Superior	C.&S.	78,594	265	-----	-----	-----	5 9
Rogers, Elden & Donald	Rogers	Huerfano	No report filed	La Veta	No report filed	La Veta	None	332	-----	-----	-----	-----	-----
Rolfes, Geo. T.	Argo	Guich	Geo. T. Rolfes	Oak Creek	Geo. T. Rolfes	Oak Creek	None	4,300	-----	-----	-----	Yes	9 0

Rolfes, Geo. T.	Richneg	Routt	Geo. T. Rolfes	Oak Creek	None	160	.....	Yes	.....	5	6
Rose, R. J.	Cox	Archuleta	Pagosa Springs	No report filed	None	171	.....	.....	.....	.....	.....
Ross Coal Co.	New Ross	Boulder	Gorham	No report filed	None	1,880	.....	.....	.....	.....	.....
Royal Gorge Coal Co.	Royal Gorge	Freemont	Stanley Z. Pavalsky	Canon City	Stanley Z. Pavalsky	13,259	.....	.....	.....	5	10
Russell Coal Co.	Crown	Boulder	W. E. Russell	Denver	Andrew Wilson	52,617	.....	440	47%	.....	.....
Russell Coal Co.	Russell	Weld	W. E. Russell	Denver	Andrew Wilson	47,634	.....	525	50%	.....	.....
Sanchez, Joe	Sanchez	Las Animas	Sanchez	Boncarbo	No report filed	257	.....	.....	.....	6	0
Sandoval, Wm.	Rugby	No. 5	Las Animas	Wm. Sandoval	Rugby	881	.....	.....	.....	.....	.....
Santarelli, Tony	Double	Dick	Freemont	Tony Santarelli	Florence	30,253	.....	3200	15%	.....	.....
Scappucci, Dan	Highway	Las Animas	Dan Scappucci	Trinidad	Dan Scappucci	940	.....	.....	.....	3 1/2	0
Seranton, Dr. H. S.	Blue	Ribbon	Freemont	Florence	Andrew Campbell	2,301	.....	.....	.....	.....	.....
Serroni, Otto	Supreme	La Plata	Otto Serroni	Durango	Tony Billini	2,103	.....	1000	5%	.....	.....
Sevek & Mandarich	Cottonwood	El Paso	Fred Sevek	Colo. Spgs	Fred Sevek	688	.....	500	6%	.....	.....
Shamrock Coal Co.	Shamrock	Weld	Fred B. Foreman	Erie	Fred B. Foreman	26,049	.....	135	35%	.....	.....
Silengo & Bosco	Big 3	Freemont	Albert Silengo	Canon City	Canon City	1,935	.....	600	22°	.....	.....
Sipe-McDowell & Martin	Riverside	Farmers Mesa	John McDowell	Palisade	Palisade	1,156	.....	.....	.....	.....	.....
Slater & Bollin	Castle	Rock	Gunnison	Gunnison	No report filed	320	.....	.....	.....	2	4
Sleepy Cat Coal Co.	Sleepy Cat	Routt	C. A. Baker	Hayden	Hayden	1,937	.....	.....	.....	.....	.....
Smalley, John	Middle Creek	Huertano	John Smalley	La Veta	La Veta	120	.....	150	15°	.....	.....
Smith, Albert G.	Berwind	No. 3	Las Animas	Ernest E. Smith	Trinidad	629	.....	1000	.....	.....	.....
Smith, Arthur G.	Carbon	Gunnison	Arthur G. Smith	Gunnison	Arthur G. Smith	935	.....	450	8%	.....	.....
So. Canon Mine Leas. Co.	So. Canon	Garfield	James E. Ford	Glenwood Springs	D. & R. G. W.	15,032	.....	550	26%	.....	.....
So. Monarch Fuel & Gas Co.	So. Monarch	Las Animas	C. E. Kelly	Trinidad	Clarence E. Kelly	2,638	.....	300	.....	.....	.....
Spencer, Geo. S.	Spencer	Montezuma	Geo. S. Spencer	Mancos	Geo. S. Spencer	20	.....	.....	.....	.....	.....
Staley, M. E.	White River	Rio Blanco	Joe Stander	Rangely	M. E. Staley	3,041	.....	800	10%	.....	.....
Stander, Joe H.	Stander	Elbert	Joe Stander	Ramah	Ramah	41	.....	1200	5%	.....	.....
Staples, S. L.	O. C.	Gunnison	S. L. Staples	Gunnison	Gunnison	1,219	.....	.....	.....	.....	.....
States-Hall Coal Co.	States Red Mtn.	Delta	C. E. Hall	Cedaredge	C. E. Hall	1,073	.....	800	5%	.....	.....
States-Hall Coal Co.	Top	Delta	C. E. Hall	Cedaredge	W. W. States	3,650	.....	700	8%	.....	.....
Steele, Geo.	Apex	Geo. Steele	Oak Creek	Bert Marshall	Oak Creek	5,553	.....	1000	7%	.....	.....
Stiers, C. J.	Nine Mile	Rio Blanco	Meeker	C. J. Stiers	Meeker	378	.....	.....	.....	.....	.....
Stoddard, W. H.	Gray	San Miguel	Mrs. W. Stoddard	Norwood	Norwood	314	.....	.....	.....	.....	.....

TABLE No. 1—Continued

Company				Opening		Shaft	Tons Produced	Tunnel		Seam
Mine	County	Mgr. or Genl. Supt.	Company P. O.	Mine Supt.	Mine P. O.	R.R.		Pitch	Drift	
Stove Canon Coal Co.	Stove Canon	Garfield	Clyde L. Faris	Fruita	Frank E. Youngman	None	5,127	1000	7°	5 to 7
Stremel, Joseph E.	Crow Bar	Routt	Joseph E. Stremel	Denver	Jack Evans	D.&S.L.	3,948	320	13%	10 0
Strennan, Michael & John	New Key-stone	El Paso	John Strennan	Colo. Spgs.	John Strennan	None	3,094	263	25%	8 4
Stukey, D. & R.	Fish Creek	Routt	Steamboat Springs	Steamboat Springs	None	None	125	---	---	12 0
Supanec, Louis	River View	Mesa	Louis Supanec	Cameo	Cameo	None	5,944	---	---	6 0
Talarico & Aquilla	Grasso	Mesa	Ralph Talarico	Grand Jet	Ralph Talarico	None	215	---	Yes	2 6
Taylor Coal Mining Co.	Rouse No. 3 (Santa Clara)	Huerfano	Sam T. Taylor	Walsenburg	Anthony Tesitor	Walsenburg	220	---	---	4 6
Templeton, D. W.	Big Mack	Routt	D. W. Templeton	Oak Creek	D. W. Templeton	D.&R.G.W.	270	---	Yes	5 8
Thor Fuel Co.	Thor	Las Animas	Eph. Wagstaff	Trinidad	Eph. Wagstaff	None	13,577	4200	4%	4 0
Tipotsch, Frank	Tipotsch	La Plata	Frank Tipotsch	Hesperus	Frank Tipotsch	C.&S.	378	---	Yes	5 8
Toller Coal Co.	Toller	Las Animas	Andre Susan	Trinidad	Andre Susan	None	295	---	Yes	6 0
Tompkins, Fred	Anchor	Las Animas	Andre Susan	Trinidad	Andre Susan	None	144	---	---	3 0
Tow Creek Coal Co.	Tow Creek	Huerfano	Fred Tompkins	La Veta	Fred Tompkins	None	249	100	35%	5 0
Trent, E. H.	Trent	Weld	S. B. Prewitt	Hayden	S. B. Prewitt	None	493	200	52%	2 7
Tweeddale, Thomas W.	Tweeddale	Las Animas	Thomas W. Tweeddale	Trinidad	Thomas W. Tweeddale	None	423	---	Yes	3 10
U. S. Vanadium Corp.	U. S. Vanadium	Montrose	W. G. Haldane	New York	Andrew Voytilla	Nuclea	33,324	---	Yes	6 6
Valdez, Casados & Sandoval	Sunflower	Las Animas	Felix Valdez	Rugby	Felix Valdez	None	1,260	340	---	3 0
Vanadium Corp. of America	Fiddling Bill	Montrose	R. D. Renner	Naturita	Everette L. Hanson	None	3,354	---	Yes	7 6

TABLE NO. 2

MINE FATALITIES BY CAUSES, 1936-1940 INCLUSIVE
(As Per Revised Government Form)

CAUSES	YEARS				
	1936	1937	1938	1939	1940
Underground:					
1. Falls of roof (rock, coal or draw slate)	3	9	12	13	12
2. Roof fall due to car or machine knocking out post.....	....	....	....	....	1
3. Falls of face or rib.....	11	6	6	2	3
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....	2	3	5	4	4
12. Explosions of gas or coal dust.....	8	....	....	1	2
13. Explosives (not including those in No. 12).....	1	1	....	....	....
14. Electricity (not resulting in explosions) .....	....	2	3	3	....
15. Machinery .....	....	....	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....	....	....	....	....	....
Total Underground.....	25	23	28	26	22
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....	....	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	....	1
43. All other surface accidents.....	3	....	....	....	....
Total Surface.....	4	1	3	....	2
GRAND TOTAL.....	29	24	31	26	24

NUMBER INJURED IN COAL MINES IN COLORADO DURING THE YEAR
ENDED DEC. 31, 1940

Government Classification

Time Lost—5 or More Days

CAUSES

Underground

1. Falls of roof (rock, coal or draw slate).....	108
2. Roof fall due to car or machine knocking out post.....	4
3. Falls of face or rib.....	77
4. Rush of coal, rock or gob.....	4
5. Other falling material or objects (not being handled by injured worker)	2
6. Falls of persons.....	32
7. Handling materials.....	21
8. Hand tools.....	33
9. Stepping on nails or other sharp objects.....	...
10. Striking or bumping against objects.....	2
11. Mine cars and mine locomotives.....	102
12. Explosions of gas or coal dust.....	...
13. Explosives (not including those in No. 12).....	5
14. Electricity (not resulting in explosions).....	13
15. Machinery	50
16. Suffocation from natural gases (not from mine fires or explosions).....	...
17. Mine fires (burns, suffocations, etc.).....	...
18. All other accidents underground.....	200
TOTAL UNDERGROUND.....	653
19. Shaft and slope.....	...
20. Falls or slides of coal or overburden.....	...

Surface (including tippie, breaker, shops & yards)

34. Mine cars and mine locomotives.....	2
35. Railway cars and locomotives.....	1
36. Handling materials.....	7
37. Hand tools	5
38. Falls of persons.....	8
39. Falling objects.....	...
40. Machinery on surface.....	5
41. Electricity	1
42. Explosives	...
43. All other surface accidents.....	11
TOTAL SURFACE.....	40
GRAND TOTAL.....	693

BOULDER COUNTY—Continued

No.							
Monarch No. 2	National Fuel Co.	Broomfield	Sub-bituminous	53,530	142	51	4
New Ross	Ross Coal Co.	Gorham	Sub-bituminous	1,880	169	3	400
O. K.	O. K. Coal Co.	Boulder	Sub-bituminous	1,455	175	4	12
Pine Cliff	Pine Cliff Coal Co.	Boulder	Sub-bituminous	3,425	286	6	175
Pittsburg	Pittsburg Coal Co.	Boulder	Sub-bituminous	1,485	294	3	12
Pluto No. 2	Pluto Coal Mg. Co.	Boulder	Sub-bituminous	1,477	177	23	10
Premier	Premier Coal Co.	Superior	Sub-bituminous	2,425	209	46	125
Regal	Louis Gaspar	Boulder	Sub-bituminous	20,341	289	31	25
York	Ted York	Lafayette	Sub-bituminous	2,451	172	2	150
		Boulder	Sub-bituminous				20
No.	of licensed mines, 21.			623,780	202.5	736	64
							5,405

DELTA COUNTY

No.							
Black Diamond	J. Andrew Eckert	Cedarledge	Semi-bituminous	549	150	3	10
Burdick	R. M. Jackson	Hotchkiss	Semi-bituminous	25	10	1	10
Farmers	Louis Owen	Hotchkiss	Bituminous	162	100	2	10
Fitzsimmons	E. A. Fitzsimmons	Paonia	Semi-bituminous	250	72	1	8
Green Valley	Ira Brooks	Cedarledge	Semi-bituminous	5,890	300	5	50
Ideal	Ray T. Clipp	Cedarledge	Sub-bituminous	1,211	157	3	20
Independent	Ray T. Clipp	Cedarledge	Sub-bituminous	919	103	3	30
Jenkins & Lewis	Jenkins & Lewis Coal Co.	Paonia	Bituminous	405	75	2	10
King	Juanita Coal & Coke Co.	Bowie	Bituminous	40,248	150	37	1,000
Paonia Farmers	Paonia Farmers Coal Co.	Paonia	Bituminous	4,856	196	3	25
Red Canon	Lloyd L. Patton	Cedarledge	Bituminous	3,612	300	6	50
States Red Mt.	States-Hall Coal Co.	Cedarledge	Sub-bituminous	1,073	198	3	20
Top	States-Hall Coal Co.	Cedarledge	Semi-bituminous	3,650	224	6	50
Winton	Winton Coal Co.	Austin	Bituminous	4,073	228	5	100
No.	of mines licensed, 14.			66,703	177.3	80	1
							1,363

ELBERT COUNTY

No.							
Barker	Dora Barker	Matheson	Sub-bituminous	2,275	314	3	45
Beaver Valley	J. M. Dalrymple	Agate	Sub-bituminous	870	183	2	5
Stander	Joe H. Stander	Ramah	Sub-bituminous	41	25	2	75
White Ash	Borda Newland	Matheson	Sub-bituminous	2,415	211	3	
No.	of mines licensed, 4.			5,601	199	10	0
							125

TABLE NO. 3—Continued
EL PASO COUNTY

Name of Mine	Name of Company	Mine Postoffice	Character of Coal	Production	Days Worked	Average Men Employed	Fatala	Non-Fatala	Capacity of Mine Per Day
Altitude.....	Bennett & Co.....	Colorado Springs.....	Sub-bituminous.....	473	120	2	---	1	3
Busy Bee.....	Frank Ansec.....	Colorado Springs.....	Sub-bituminous.....	1,850	251	4	---	1	20
City No. 1.....	Colo. Springs Co.....	Colorado Springs.....	Sub-bituminous.....	38,548	269	41	---	---	400
Clara Bell.....	Clara Bell Coal Co.....	Colorado Springs.....	Sub-bituminous.....	15,169	301	16	---	4	200
Climax.....	Danville Coal Co.....	Colorado Springs.....	Sub-bituminous.....	1,719	168	2	---	---	10
Cottonwood.....	Sevelk & Mandarich.....	Colorado Springs.....	Sub-bituminous.....	688	237	1	---	---	4
Franceville.....	Franceville Coal Co.....	Colorado Springs.....	Sub-bituminous.....	4,813	238	6	---	1	35
Jimmy Camp.....	Jimmy Camp Fuel Co.....	Colorado Springs.....	Sub-bituminous.....	1,706	250	4	---	---	20
New Keystone.....	Michael & John Streeman.....	Colorado Springs.....	Sub-bituminous.....	3,094	179	7	---	1	20
Pikeview.....	Pikes Peak Fuel Co.....	Pikeview.....	Sub-bituminous.....	183,584	210	126	---	12	1,000
No.	of mines licensed, 10			251,644	228.7	209	---	20	1,712

FREMONT COUNTY									
American Independent No. 2.....	Bluff Springs Leasing Co.....	Florence.....	Bituminous.....	15,021	242	27	---	4	100
American Independent No. 3.....	Am. Ind. Fuel Co.....	Florence.....	Bituminous.....	981	57	11	---	---	100
Annex.....	Thos. Hovenic.....	Florence.....	Bituminous.....	1,863	177	4	---	---	---
Bald.....	Bald Coal Co.....	Florence.....	Bituminous.....	1,935	170	3	---	---	10
Big Three.....	Silengo & Bosco.....	Canon City.....	Bituminous.....				---	---	
Blue Flame (Hillside).....	Canon Blue Flame C. Co.....	Florence.....	Bituminous.....	470	158	5	---	---	5
Blue Ribbon.....	Dr. H. S. Scranton.....	Florence.....	Bituminous.....	2,301	157	8	---	3	35
Brewster No. 2.....	Bowman & Barbato.....	Florence.....	Bituminous.....	1,135	140	2	---	---	4
Brookside.....	Brookside Coal Mfg. Co.....	Florence.....	Bituminous.....	3,438	152	12	---	---	30
Caldrola.....	Caldrola Coal Co.....	Florence.....	Bituminous.....	34,067	223	45	---	4	250
Canon Black Diamond.....	Canon Black Diamond Coal Co.....	Florence.....	Bituminous.....	29,308	292	25	---	3	---

FREMONT COUNTY—Continued

Canon Chief.....	D. Moschetti.....	Florence.....	Bituminous.....	17,840	181	19	---	---	50
Canon Eagle.....	Thos. A. Walker.....	Florence.....	Bituminous.....	184	34	3	---	---	10
Canon Imperial.....	Canon Imperial Coal Co.....	Coal Creek.....	Bituminous.....	822	121	6	1	---	30
Canon King.....	Canon King Coal Co.....	Florence.....	Bituminous.....	135	49	2	---	---	3
Canon Monarch.....									
No. 2.....	Canon Monarch Coal Co.....	Florence.....	Bituminous.....	18,105	256	51	3	---	50
Canon Monarch.....									
No. 3.....	W. J. Peer.....	Florence.....	Bituminous.....	2,514	162	11	---	---	15
Canon National.....	Canon National Coal Co.....	Florence.....	Bituminous.....	23,379	313	19	2	---	300
Canon Old Slope.....	D. S. Perry.....	Florence.....	Bituminous.....	407	217	2	---	---	---
Canon Peacock.....	Peacock Coal Co.....	Florence.....	Bituminous.....	1,410	105	8	---	---	30
Canon Quality.....	Canon Quality Coal Co.....	Florence.....	Bituminous.....	4,726	216	10	3	---	30
Canon Red Star.....	Joe Ration.....	Canon City.....	Bituminous.....	2,015	196	5	---	---	50
Canon Tiger.....	Hand Coal Mines, Inc.....	Florence.....	Bituminous.....	3,418	243	6	---	---	50
Canon Zenith.....	Joseph Z. Duka.....	Florence.....	Bituminous.....	5,240	223	16	1	---	35
Carestia.....	Paul Carestia.....	Florence.....	Bituminous.....	39	24	2	---	---	---
Cedar Canon.....	Quilino & Sons.....	Florence.....	Bituminous.....	42,068	213	46	2	---	475
Chandler.....	Victor-American Fuel Co.....	Chandler.....	Bituminous.....	102,118	154	214	14	---	850
Charm No. 6.....	Florence Canon Coal Co.....	Canon City.....	Bituminous.....	No report			---	---	100
Double Dick.....	Corley Coal Co.....	Florence.....	Bituminous.....	13,443	278	14	---	---	300
Griffith, Chandler.....	Tony Santarelli.....	Florence.....	Bituminous.....	30,253	262	23	1	---	---
Creek.....									
Manley.....	Griffith Coal Mfg. Co.....	Canon City.....	Bituminous.....	15,489	266	25	3	---	100
Mountain View.....	Manley Coal Mining Co.....	Canon City.....	Bituminous.....	9,057	173	13	---	---	85
Newman Creek.....	Florence Coal Mines, Inc.....	Florence.....	Bituminous.....	3,425	183	9	3	---	50
Nushaft.....	Perino Coal Co.....	Florence.....	Bituminous.....	10,853	243	14	---	---	50
Petry Bros.....	Nushaft Canon Coal Co.....	Coal Creek.....	Bituminous.....	12,310	157	22	3	---	100
Pine Gulch.....	Petry Bros. Coal Co.....	Penrose.....	Bituminous.....	360	150	2	---	---	2
Red Arrow.....	Canon Monarch Coal Co.....	Florence.....	Bituminous.....	12,216	228	26	5	---	50
	Walker Coal Co. & Joe Moberly.....								
Rex Canon.....	Nushaft Canon Coal Co.....	Florence.....	Bituminous.....	2,608	190	7	1	---	40
Rockvale No. 3.....	Colo. Fuel & Iron Corp.....	Coal Creek.....	Semi-bituminous.....	23,137	254	25	---	---	200
Royal Gorge.....	Royal Gorge Coal Co.....	Canon City.....	Bituminous.....	61,392	127	137	1	5	500
Shamrock.....	P. Di Giacomo.....	Canon City.....	Bituminous.....	13,259	192	21	3	---	125
Strainer.....	Canon Liberty Coal Co.....	Coal Creek.....	Bituminous.....	265	125	3	---	---	20
Vento.....	Tony Vento.....	Canon City.....	Bituminous.....	162	28	5	---	---	15
White Ash.....	Martin Katting.....	Florence.....	Bituminous.....	649	89	2	---	---	2
				543	223		---	---	
No.....	of mines licensed, 45			521,080	184	913	1	68	4,251

TABLE NO. 3—Continued
GARFIELD COUNTY

Name of Mine	Name of Company	Mine Postoffice	Character of Coal	Production	Days Worked	Average Men Employed	Fatalis	Non-Fatalis	Capacity of Mine Per Day
Diamond.....	Diamond Fuel Co.	Glenwood Springs.....	Bituminous.....	196	65	2	.....	.....	.....
Gem.....	Gem Coal Co.	Glenwood Springs.....	Bituminous.....	6,001	232	6	.....	.....	25
Harvey Gap.....	Paolazzi & Moda	New Castle.....	Bituminous.....	1,984	269	3	.....	.....	10
L. H. I.....	Bill Haas	Rifle.....	Bituminous.....	463	148	2	.....	.....	3
Llewellyn (Silt).....	Holmes & Warner.....	Silt.....	Bituminous.....	1,431	232	3	.....	1	12
Monger.....	Llewellyn Coal Co.	Fruit.....	Bituminous.....	475	53	3	.....	1	15
New Castle.....	W. E. Halcomb.....	New Castle.....	Bituminous.....	3,861	105	7	.....	2	50
North Canon.....	Frank De Boy & Co.	Grand Junction.....	Bituminous.....	415	184	3	.....	.....	.....
Ohkraut.....	Peter Ortiz.....	Glenwood Springs.....	Bituminous.....	117	78	2	.....	.....	.....
South Canon.....	South Canon Mine Leasing Co.	Glenwood Springs.....	Bituminous.....	15,022	291	16	.....	4	85
Stove Canon.....	Stove Canon Coal Co.	Fruit.....	Bituminous.....	3,127	202	8	.....	.....	85
Ziesenss.....	Henry Ziesenss.....	Rifle.....	Bituminous.....	1,366	170	2	.....	.....	20
No.	of mines licensed, 12			36,468	200.4	57	.....	8	305

GUNNISON COUNTY

Alpine.....	Alpine Fuel Co.	Baldwin.....	Semi-bituminous.....	39,613	164	50	.....	1	350
Baldwin Star.....	James Hare.....	Baldwin.....	Semi-bituminous.....	787	80	3	.....	.....	10
Bear.....	Bear Coal & Coke Co.	Somerseset.....	Bituminous.....	20,153	140	24	.....	.....	300
Bulkeley No. 2.....	Crested Butte Coal Co.	Crested Butte.....	Bituminous.....	28,058	264	28	.....	6	200
Carbon Creek.....	Arthur G. Smith.....	Gunnison.....	Bituminous.....	935	171	3	.....	.....	8
Castle Rock.....	Slater & Hollin.....	Gunnison.....	Bituminous.....	320	107	1	.....	.....	.....
Crested Butte.....	Colo. Fuel & Iron Corp.	Crested Butte.....	Bituminous.....	214,316	175	283	.....	10	1,200
Edwards.....	George W. Edwards.....	Somerseset.....	Bituminous.....	4,293	159	6	.....	.....	40
Hawk's Nest.....	Clement Audin & Sons	Somerseset.....	Bituminous.....	8,214	200	9	.....	.....	50
Hinkle.....	Wm. Hedley.....	Gunnison.....	Semi-bituminous.....	780	120	2	.....	.....	9

GUNNISON COUNTY—Continued

Horace.....	Horace Anthracite Miners' Assn.....	Crested Butte.....	Anthracite.....	134	10	3	31	4,997
No. Mine.....	Partch Bros.....	Gunnison.....	Semi-bituminous.....	2,456	3			15
Ohio Creek.....	S. L. Staples.....	Gunnison.....	Bituminous.....	1,162	2			5
Oliver.....	Oliver Coal Co.....	Paonia.....	Semi-bituminous.....	1,219	70	1	2	500
Richardson.....	Mt. Carbon Anthracite Co.....	Baldwin.....	Bituminous.....	88,638	1			10
Somerset.....	Calumet Fuel Co.....	Somerset.....	Bituminous.....	677	127		12	1,400
	of mines licensed, 16			210,458	622			
				215	187.7			
				621,479				

HUERFANO COUNTY

Aaron.....	Aaron Coal Co.....	Walsenburg.....	Bituminous.....	1,460	3			...
Black Hawk.....	Black Hawk Coal Mfg. Co.....	Walsenburg.....	Bituminous.....	260	25			80
Blue Blaze.....	Blue Blaze Coal Co.....	Walsenburg.....	Bituminous.....	174	15		3	100
Butte Valley.....	Butte Valley Coal Co.....	Walsenburg.....	Bituminous.....	4,061	95		9	450
Caddell No. 3.....	Ed Caddell.....	Walsenburg.....	Bituminous.....	79,597	5		1	15
Calumet No. 2.....	Calumet Fuel Co.....	Delcarbon.....	Bituminous.....	789	73		11	700
C. O. D. No. 2.....	John Kliks.....	La Veta.....	Bituminous.....	102,435	2			
Gordan.....	Gordan Coal Co.....	Walsenburg.....	Bituminous.....	448	69		3	400
Keller No. 2.....	C. F. & I. Corp.....	Tioga.....	Bituminous.....	25,643	209		10	800
Leader No. 2.....	Red Ash Coal Co.....	Walsenburg.....	Bituminous.....	176,270	16			40
Maitland.....	Maitland Fuel Co.....	Walsenburg.....	Bituminous.....	8,215	9		1	50
Major No. 1.....	Major Coal Co.....	Walsenburg.....	Bituminous.....	2,550	29		8	100
Major No. 2.....	John Smalley.....	Walsenburg.....	Bituminous.....	14,588	3		3	14
Middle Creek.....	Minnequa Fuel Co.....	La Veta.....	Bituminous.....	212	33		1	250
Morning Glory.....	James Murrell.....	Walsenburg.....	Bituminous.....	120	1			2
Murrell.....	Ideal Coal Co.....	Walsenburg.....	Bituminous.....	30,627	14			40
New Ideal.....	Peachey Coal Co.....	La Veta.....	Bituminous.....	297	5			15
Ondale.....	Peachey Coal Co.....	Walsenburg.....	Bituminous.....	221	13			25
Ojo Canon.....	Peaks Coal Co.....	Walsenburg.....	Bituminous.....	226	10		1	25
Pioneer.....	Nicholas & Viola.....	Walsenburg.....	Bituminous.....	4,034	13		3	25
Pryor.....	Pryor Coal Mining Co.....	Pryor.....	Bituminous.....	2,819	2			10
Ravenwood.....	Gordano Coal Co.....	Walsenburg.....	Bituminous.....	1,627	119		2	400
Robinson No. 4.....	C. F. & I. Corp.....	Walsenburg.....	Bituminous.....	45,755	133		2	40
Rogers.....	Eden & Donald Rogers.....	La Veta.....	Bituminous.....	5,733	194		14	1,000
Rouse.....	Gordano Coal Co.....	Walsenburg.....	Bituminous.....	202,846	3			200
Rouse No. 3.....				202,322	15			
(Santa Clara)				10,838				
Rushby No. 3.....	San Taylor.....	Walsenburg.....	Bituminous.....	220	4			5
Sampson.....	Rugby Mining Co.....	Pryor.....	Bituminous.....	30	1			10
	Mosco & Sweet.....	Walsenburg.....	Bituminous.....	574	7			

TABLE NO. 3—Continued
HUIERFANO COUNTY—Continued

Name of Mine	Name of Company	Mine Postoffice	Character of Coal	Production	Days Worked	Average Men Employed	Fatals	Non-Fatals	Capacity of Mine Per Day
Shanrock.....	J. E. Hatcher.....	Walsenburg.....	Bituminous.....	2,695	176	4	---	---	20
Strawberry No. 1.....	Martinez & Velardo.....	Walsenburg.....	Bituminous.....	230	40	1	---	---	4
Strawberry No. 2.....	John Fedoraro.....	Walsenburg.....	Bituminous.....	1,490	150	6	---	---	10
Sun No. 1.....	Frank N. Rader, Mgr.....	La Veta.....	Bituminous.....	No report	---	---	---	---	---
Sun No. 2.....	Brewer & Ganns.....	La Veta.....	Bituminous.....	389	130	3	---	---	8
Sun No. 3.....	Van Meter Bros.....	La Veta.....	Bituminous.....	4	3	1	---	---	---
Tompkins.....	Fred Rose.....	La Veta.....	Bituminous.....	144	24	2	---	---	---
No.	of mines licensed, 36.....			755,607	182.2	1,020	1	75	4,823

JACKSON COUNTY

Marr.....	George M. Burnell.....	Walden.....	Sub-bituminous.....	2,788	230	5	---	1	30
Moore.....	North Park Coal Co.....	Coalmont.....	Semi-bituminous.....	12,460	190	18	---	---	500
Sudduth.....	J. C. Jackson & Henry L. Snell.....	Cowdrey.....	Semi-bituminous.....	555	126	2	---	---	5
No.	of mines licensed, 3.....			15,803	192.9	25	---	1	535

JEFFERSON COUNTY

Caprock.....	Caprock Fuel Co.....	Arvada.....	Sub-bituminous.....	27,916	253	18	1	---	250
Economy.....	C. O. Woodhouse.....	Littleton.....	Sub-bituminous.....	2,560	300	3	---	---	---
Leyden No. 3.....	Leyden Lignite Co.....	Leyden.....	Sub-bituminous.....	117,027	205	115	---	12	600
Mt. Carbon.....	R. J. & J. W. Williamson.....	Englewood.....	Sub-bituminous.....	222	142	4	---	---	---
No.	of mines licensed, 4.....			147,725	211.4	140	1	12	850

LA PLATA COUNTY

[illegible]

FLARIMER COUNTY

No.	Name	Sub-bituminous	143	45	3	24
	Bachly	Sub-bituminous	1,800	230	3	40
	Ideal	Sub-bituminous	No report	62	2	40
	Pioneer	Sub-bituminous				
	White Rose	Sub-bituminous				
	C. F. Baldwin	Sub-bituminous				
	Ideal Coal Co.	Sub-bituminous				
	Howard Z. Johnson	Sub-bituminous				
	John Nogo	Sub-bituminous				
	of mines licensed, 4		1,790	113.6	8	64

TABLE NO. 3—Continued
LAS ANIMAS COUNTY

Name of Mine	Name of Company	Mine Postoffice	Character of Coal	Production	Days Worked	Average Men Employed	Fatalis	Non-Fatalis	Capacity of Mine Per Day
Aguilar.	Mike Blahut.	Aguilar.	Bituminous.	785	265	2	---	1	2
Agular Black Diamond	Frank Coke.	Trinidad	Bituminous.	3,307	154	6	---	1	100
Apishapa	Apishapa Valley Coal Co.	Agular.	Bituminous.	200	90	3	---	---	5
Baldy	Baldy Coal Co.	Trinidad	Bituminous.	6,392	212	9	---	---	40
Banner.	Noble L. Bittick.	Agular.	Bituminous.	113	40	1	---	---	---
Bear Canon No. 6.	Bear Canon Coal Co.	Trinidad	Bituminous.	34,930	185	60	---	3	500
Berwind No. 3.	Albert G. Smith & Sons.	Trinidad	Bituminous.	629	70	3	---	---	6
Berwind Canon	Berwind Canon Coal Co.	Trinidad	Bituminous.	1,379	180	6	---	---	20
Black Rose	Roy Carroll.	Rugby	Bituminous.	No report	---	---	---	---	---
Boaglio No. 2.	Boaglio Coal Co.	Trinidad	Bituminous.	374	49	1	---	---	10
Boncarbo.	American Smelting & Refining Co.	Boncarbo	Bituminous.	113,525	169	222	---	15	1,500
Bowen.	Home Fuel & Supply Co.	Trinidad	Bituminous.	2,613	242	4	---	---	15
Burro Canon	Steve Glimac.	Trinidad	Bituminous.	15,847	87	36	1	4	140
Creston.	Jewel Collieries Corp.	Agular.	Bituminous.	671	120	1	---	---	5
Crystal.	Guillermo Bowman.	Jansen.	Bituminous.	8,302	145	12	2	5	35
Daisy.	Daisy Coal Co.	Agular.	Bituminous.	51,424	131	65	---	8	500
Delagua.	Victor-American Fuel Co.	Delagua.	Bituminous.	32,936	154	38	---	2	250
Dix.	Dick Coal Co.	Boncarbo	Bituminous.	1,564	270	2	---	1	15
Forbes No. 9.	W. E. Riggs.	Trinidad	Bituminous.	506	186	2	---	---	10
Forbes No. 10.	W. E. Riggs.	Trinidad	Bituminous.	668,324	239	746	---	---	3,000
Frederick.	C. F. & I. Corp.	Valdez.	Bituminous.	977	233	2	1	31	10
Garcia.	James Calhoun.	Boncarbo	Bituminous.	261	46	3	---	---	10
Garcia No. 2.	Gas Garcia & Sons.	Boncarbo	Bituminous.	738	282	3	1	---	10
Garfield.	Giuliano Coal Co.	Boncarbo	Bituminous.	7,403	228	14	---	2	45
Gen.	Green Canon Coal Co.	Agular.	Bituminous.	1,824	220	4	---	2	10
Green Canon.	Dan Scappucci.	Trinidad	Bituminous.	940	102	3	---	---	3
Highway.	Jeffries Fuel Co.	Trinidad	Bituminous.	1,073	180	4	---	---	10
Jeffries.	Jeffries Fuel Co.	Trinidad	Bituminous.	52,232	228	67	---	4	500
Kenneth.	Pete Klay.	Trinidad	Bituminous.	113	160	1	---	---	2
Klay.	Pete Klay.	Trinidad	Bituminous.	2,783	191	4	---	2	25
Lakeview No. 2.	Glorioso & Iuppa.	Trinidad	Bituminous.	---	---	---	---	---	---

TABLE NO. 3—Continued
MESA COUNTY—Continued

Name of Mine	Name of Company	Mine Postoffice	Character of Coal	Production	Days Worked	Average Men Employed	Fatalis	Non-Fatalis	Capacity of Mine Per Day
Garfield.....	Garfield Coal Co.	Palisade.....	Bituminous.....	7,712	227	8	.....	2	50
Grasso.....	Talarico & Aquila.....	Grand Junction.....	Bituminous.....	215	73	3	.....	.....	3
Hidden Treasure.....	Agnes Kovac.....	Fruita.....	Bituminous.....	994	105	3	.....	.....	.....
Hunter.....	C. B. Pace & Sons.....	Loma.....	Bituminous.....	48	56	3	.....	.....	.....
Jarvis.....	Clark & Mercer.....	Fruita.....	Bituminous.....	No report	.....	.....	.....	.....	.....
Marinelli (Vidmar).....	Mike Marinelli.....	Fruita.....	Bituminous.....	32	25	3	.....	.....	2
McGinley.....	Ernest Hicks.....	Grand Junction.....	Bituminous.....	2,522	166	3	.....	.....	28
Midwest Red Arrow.....	Wm. Hughes.....	Palisade.....	Bituminous.....	1,515	193	6	.....	.....	30
Monarch.....	C. E. Fennell.....	Grand Junction.....	Bituminous.....	1,359	186	3	.....	.....	10
Mt. Garfield.....	Ballard Gearhart.....	Palisade.....	Bituminous.....	5,853	300	10	.....	1	60
Mt. Lincoln.....	James McDowell.....	Palisade.....	Bituminous.....	490	175	3	.....	1	10
Nearing.....	Geo. McMillin.....	Fruita.....	Bituminous.....	500	94	3	.....	.....	75
Palisade.....	Palisade Coal Co.....	Palisade.....	Bituminous.....	4,895	206	8	.....	.....	75
Riverside Farmers.....	Sipe, McDowell & Martin.....	Palisade.....	Bituminous.....	1,156	185	4	.....	.....	20
Riverside.....	Louis Supancic.....	Cameo.....	Bituminous.....	5,944	219	6	.....	1	25
Thomas.....	Aquila & Neish.....	Grand Junction.....	Bituminous.....	1,615	90	6	.....	.....	15
Winger.....	Clarke Coal Co.....	Palisade.....	Bituminous.....	4,407	151	7	.....	.....	50
No.	of mines licensed, 22.			73,081	183.9	118	0	7	678

MOFFAT COUNTY

Baker.....	O. P. Eldridge.....	Craig.....	Bituminous.....	No report	.....	.....	.....	.....	.....
Buckhorn.....	Jack & Dick Algee.....	Hamilton.....	Bituminous.....	No report	.....	.....	.....	.....	5
Coal White Ash.....	H. A. Lee & Sons.....	Casin.....	Bituminous.....	534	117	1	.....	.....	25
James.....	G. G. Hart & Sons.....	Meeker.....	Bituminous.....	2,441	168	3	.....	.....	.....
Knez.....	Joe L. Knez.....	Craig.....	Bituminous.....	6,332	164	6	.....	.....	.....
Little Bear.....	Panko Kawcak.....	Craig.....	Bituminous.....	392	87	2	.....	.....	4
Mt. Streeter.....	C. G. Phelan.....	Axial.....	Bituminous.....	8,404	317	4	.....	.....	100
Streeter.....	Domestic Coal Co.....	Axial.....	Bituminous.....	29,888	191	14	.....	5	300

MOFFAT COUNTY—Continued

Weisbeck.....	G. B. Weisbeck.....	Hamilton.....	Bituminous.....	161	40	2	---	---	---
Wisconsin.....	H. L. Whicker & Son.....	Lay.....	Bituminous.....	79	48	2	---	---	3
Wise.....	John Babb, Jr.....	Craig.....	Bituminous.....	990	168	3	---	---	10
Wise Hill Pinnacle.....	Fields & Jones.....	Craig.....	Bituminous.....	446	60	3	---	---	25
No.	of mines licensed, 12.....			49,667	164.5	40	---	0	472

MONTEZUMA COUNTY

Gantz.....	Daniel Gantz.....	Cortez.....	Bituminous.....	224	92	2	---	---	---
Lakeview.....	N. R. & G. R. Glover.....	Cortez.....	Bituminous.....	65	25	2	---	---	---
Mancos.....	Mancos Coal Co.....	Mancos.....	Bituminous.....	950	174	4	---	---	20
Mesa Verde.....	Andy T. Wilhite.....	Cortez.....	Bituminous.....	1,335	148	4	---	1	---
Montezuma.....	Glen E. Wilson.....	Cortez.....	Bituminous.....	1,440	168	4	---	---	20
Spencer.....	Geo. S. Spencer.....	Mancos.....	Bituminous.....	20	10	1	---	---	2
Willden No. 2.....	H. A. Ainsworth.....	Mancos.....	Bituminous.....	707	72	4	---	---	8
No.	of mines licensed, 7.....			4,741	118.7	21	---	0	50

MONTROSE COUNTY

Cimarron.....	D. W. Cromie.....	Cimarron.....	Sub-bituminous.....	246	135	1	---	---	10
Fiddling Hill.....	Vanadium Corp. of America.....	Naturita.....	Sub-bituminous.....	3,354	169	8	---	---	22
Independence.....	Leo, F. Fagan.....	Nuclea.....	Sub-bituminous.....	963	200	2	---	---	10
Liberty Bell.....	Lyle Mitchell.....	Nuclea.....	Sub-bituminous.....	587	250	2	---	---	20
Sunshine.....	Nix & Nix.....	Nuclea.....	Sub-bituminous.....	2,239	263	2	---	---	20
U. S. Vanadium.....	U. S. Vanadium Corp.....	Uravan.....	Sub-bituminous.....	33,324	316	31	---	---	---
No.	of mines licensed, 6.....			40,713	276.3	46	---	0	62

OURAY COUNTY

Burro Creek.....	Claude L. Johnson.....	Burro Creek.....	Sub-bituminous.....	No report	---	---	---	---	---
Columbine.....	Roy H. Lowery.....	Ridgeway.....	Sub-bituminous.....	No report	---	---	---	---	---
No.	of licensed mines, 2.....			---	---	---	---	0	0

TABLE NO. 3--Continued

PITKIN COUNTY

Name of Mine	Name of Company	Mine Postoffice	Character of Coal	Production	Days Worked	Average Men Employed	Fatals	Non-Fatals	Capacity of Mine Per Day
Placita.....	Placita Coal Co.....	Placita.....	Bituminous.....	998	125	3	---	---	100
No.	of licensed mines, 1			998	125	3	0	0	100

RIO BLANCO COUNTY

Gentry.....	W. R. Nall & Pete Gozzer.....	Meeker.....	Bituminous.....	1,941	207	2	---	---	7
McKee.....	Benson & Budge.....	Meeker.....	Bituminous.....	761	174	2	---	---	10
New Pollard (Bud's).....	C. F. Pollard.....	Meeker.....	Bituminous.....	910	144	1	---	---	---
Nine Mile.....	C. J. Steers.....	Meeker.....	Bituminous.....	378	44	2	---	---	10
North Meeker.....	H. F. Brenton.....	Meeker.....	Bituminous.....	267	140	1	---	---	3
North Meeker.....	John Klantchoek.....	Meeker.....	Bituminous.....	No report	---	---	---	---	---
Rector.....	Arthur Baxter.....	Rangely.....	Bituminous.....	963	112	2	---	---	10
Rienau.....	R. C. Rienau.....	Meeker.....	Bituminous.....	990	201	3	---	---	10
Rio Blanco.....	Ivon Adair.....	Rio Blanco.....	Bituminous.....	632	147	2	---	---	20
White River.....	M. E. Staley.....	Rangely.....	Bituminous.....	3,041	216	4	---	---	25
No.	of mines licensed, 10			9,883	162	18	0	0	95

ROUTT COUNTY

Apex.....	Geo. Steele.....	Oak Creek.....	Bituminous.....	5,553	196	4	---	---	40
Argo Gulch.....	Geo. T. Roifes.....	Oak Creek.....	Bituminous.....	4,300	243	6	---	---	20
Babson.....	Babson Coal Co.....	Hayden.....	Bituminous.....	2,303	159	3	---	---	75
Bear River.....	Bear River Coal Co.....	Bear River.....	Bituminous.....	10,724	32	51	---	2	500
Big Mack.....	D. W. Templeton.....	Oak Creek.....	Bituminous.....	270	41	2	---	---	---
Black Cat.....	R. C. Jones.....	Bear River.....	Bituminous.....	36	10	1	---	---	10

ROUTT COUNTY—Continued

Blue Spruce. Bruce Walters. Champion.	W. P. Jones. Walker & Huntington. Midwest Fuel & Timber Co.	Oak Creek. Hayden.	Bituminous. Bituminous.	38 1,296	60 175	2 3	---	---	---
Chergo.	Tom Chergo.	Mt. Harris.	Bituminous.	923	79	3	---	---	50
Coryell.	Coryell Coal Co.	Oak Creek.	Bituminous.	342	150	3	---	---	10
Crow Bar.	Joseph F. Strenel.	Hayden.	Bituminous.	15,795	275	32	---	---	150
Dave's Grand Baby.	David D. Linn.	Oak Creek.	Bituminous.	3,948	224	8	---	---	50
Eldon.	M. E. Corcoran.	Oak Creek.	Bituminous.	199	64	3	---	---	25
Fish Creek.	D. & R. Stukely.	Steamboat Springs.	Bituminous.	575	120	3	---	---	10
Grassy Creek.	Hayden Coal Co.	Mt. Harris.	Bituminous.	125	31	1	---	---	5
Hammond.	Hammond & Bennett.	Mt. Harris.	Bituminous.	2,091	27	12	---	---	100
Harris.	Colo. & Utah Coal Co.	Mt. Harris.	Bituminous.	286	35	2	---	---	10
Hayden No. 3	Hayden Coal Co.	Hayden.	Bituminous.	206,317	160	190	---	---	1,750
Kaspar.	Kaspar Weberskich.	Hayden.	Bituminous.	162,574	174	217	---	---	34
Keystone.	Keystone Coal Co.	Routt.	Bituminous.	215	75	1	---	---	5
McNeil.	Daniel Park-Allen & Gilmore.	Routt.	Bituminous.	95,454	157	113	---	---	900
Middle Creek.	Henry Roy Hazen.	McGregor.	Bituminous.	9,317	229	5	---	---	50
Moffat No. 1 & No. 2	Moffat Coal Co.	Oak Creek.	Bituminous.	266	54	2	---	---	8
Pinnacle.	Victor-American Fuel Co.	Oak Creek.	Bituminous.	172,603	133	218	---	---	41
Postal.	Frank D. Hubbard.	Pinnacle.	Bituminous.	125,185	132	151	---	---	1,500
Richneg.	Geo. T. Roffes.	Oak Creek.	Bituminous.	148	94	2	---	---	1,000
Sleepy Cat.	Sleepy Cat Coal Co.	Oak Creek.	Bituminous.	160	90	2	---	---	10
Tow Creek.	Tow Creek Coal Co.	Hayden.	Bituminous.	1,937	179	4	---	---	10
Wadger.	Victor-American Fuel Co.	Milner.	Bituminous.	249	120	3	---	---	10
Weber.	John Mathews.	Mt. Harris.	Bituminous.	87,813	101	122	---	---	22
		Oak Creek.	Bituminous.	2,800	211	3	---	---	15
No.	of mines licensed, 31.			913,942	143.4	1,171	---	---	8,508
							---	---	155
							---	---	3

SAN MIGUEL COUNTY

Elder.	Gene Elder.	Norwood.	Bituminous.	73	40	1	---	---	10
Gray.	W. H. Stoddard.	Norwood.	Bituminous.	314	170	3	---	---	2
Horton.	Horton Coal Co.	Norwood.	Bituminous.	No report		---	---	---	---
Keck-Reliance.	E. M. Crisp.	Norwood.	Bituminous.	722	65	4	---	---	10
O. K.	W. H. Knowlton.	Norwood.	Bituminous.	321	232	1	---	---	---
No.	of mines licensed, 5.			1,430	55	9	---	---	22
							---	---	0
							---	---	0

TABLE NO. 3—Continued
WELD COUNTY

Name of Mine	Name of Company	Mine Postoffice	Character of Coal	Production	Days Worked	Average Men Employed	Fatalis	Non- Fatalis	Capacity of Mine Per Day
Paum.....	Consolidated Coal & Coke Co.	Dacono.....	Sub-bituminous	84,958	150	94	—	5	1,000
Black Nugget.....	J. D. Bohlender.....	La Salle.....	Sub-bituminous	1,485	145	3	—	—	20
Bohlender.....	Boulder Coal Co.	La Salle.....	Sub-bituminous	1,485	145	3	—	—	20
Boulder Valley.....	Boulder Valley Coal Co.	Erie.....	Sub-bituminous	9,727	282	5	—	—	35
Buddy.....	Buddy Coal Co.	La Salle.....	Sub-bituminous	98,577	140	97	—	18	1,000
Clayton.....	Clayton Coal Co.	La Salle.....	Sub-bituminous	77,264	32	4	—	—	35
Columbine.....	Rocky M. Fuel Co.	Serene.....	Sub-bituminous	285,826	167	91	—	5	1,000
Comet.....	Comet Coal Co.	Galeton.....	Sub-bituminous	2,554	245	200	—	35	2,000
Diamond.....	Diamond Coal Co.	La Salle.....	Sub-bituminous	2,488	235	7	—	10	10
Eagle.....	National Fuel Co.	Erie.....	Sub-bituminous	171,358	191	5	—	20	20
Evans.....	Carbon Coal Co.	Frederick.....	Sub-bituminous	28,768	227	32	—	1	300
Galeton.....	(Not licensed)	Dacono.....	Sub-bituminous	38,117	161	41	1	—	500
Graden.....	Graden Coal Co.	Erie.....	Sub-bituminous	127,197	175	112	—	14	1,200
Imperial.....	Imperial Coal Co.	Erie.....	Sub-bituminous	1,714	70	8	—	—	—
Monroe.....	Park Coal Co.	Erie.....	Sub-bituminous	102,813	213	14	—	15	1,500
Morrison.....	Clayton Coal Co.	Platteville.....	Sub-bituminous	50	33	8	—	—	—
Platteville.....	Logan & Moore.....	Frederick.....	Sub-bituminous	47,634	135	66	—	10	500
Russell.....	Russell Coal Co.	Erie.....	Sub-bituminous	26,049	70	61	—	—	500
Shamrock.....	Shamrock Coal Co.	Dacono.....	Sub-bituminous	75,222	193	65	—	11	1,000
Sterling.....	McNeil Coal Corp.	Cornish.....	Sub-bituminous	216	68	3	—	—	50
Tamoc.....	Roy L. Brundy.....	La Salle.....	Sub-bituminous	493	33	3	—	—	5
Trent.....	E. H. Trent.....	Erie.....	Sub-bituminous	38,749	333	60	1	6	2,000
Washington.....	Clayton Coal Co.	La Salle.....	Sub-bituminous	229	43	4	—	—	—
White Ash.....	W. L. Brundy.....	La Salle.....	Sub-bituminous	1,215,363	178.5	1,063	2	131	13,675
No.	of mines licensed, 23			6,672,579	173.4	8,213	24	693	56,779
Total of State	No. of mines licensed, 373								

SHOWING INCREASE AND DECREASE OF COAL PRODUCTION BY COUNTIES—1939-1940

Counties	1939	1940	Increase	Decrease
Archuleta	2,370	3,050	680	.....
Boulder	608,596	623,780	15,184	.....
Delta	64,493	66,703	2,210	.....
Elbert	8,182	5,601	.....	2,581
El Paso.....	253,628	251,644	.....	1,984
Fremont	516,901	521,080	4,179	.....
Garfield	40,020	36,468	.....	3,552
Gunnison	535,511	621,479	85,968	.....
Huerfano	619,951	755,607	135,656	.....
Jackson	16,470	15,803	.....	667
Jefferson	158,625	147,725	.....	10,900
La Plata.....	34,772	35,702	930	.....
Larimer	2,448	2,302	.....	146
Las Animas	1,078,129	1,275,817	197,688	.....
Mesa	82,604	73,081	.....	9,523
Moffat	56,065	49,667	.....	6,398
Montezuma	4,433	4,741	308	.....
Montrose	27,675	40,713	13,038	.....
Ouray	300	.....	.....	300
Pitkin	998	998	.....	.....
Rio Blanco.....	8,140	9,883	1,743	.....
Routt	731,840	913,942	182,102	.....
San Miguel.....	1,181	1,430	249	.....
Weld	1,137,690	1,215,363	77,673	.....
TOTALS	5,991,022	6,672,579		
Increase			681,557	

PRODUCTION BY COUNTIES BY MONTHS, 1940

	Arch- uleta	Boulder	Delta	Elbert	El Paso	Fremont
Jan.	590	104,779	8,616	1,062	37,407	89,803
Feb.	318	74,347	5,282	686	28,496	67,016
Mar.	244	49,772	4,044	340	25,023	33,342
Apr.	287	38,122	3,469	246	20,981	28,261
May	48	20,361	2,742	60	14,996	12,732
June	182	13,731	1,731	26	11,962	11,330
July	113	14,552	1,886	29	11,627	11,998
Aug.	191	25,266	4,942	68	14,667	46,276
Sept.	405	57,759	7,759	255	14,332	53,316
Oct.	209	56,061	6,878	615	16,769	31,908
Nov.	261	80,745	6,354	1,094	26,220	60,895
Dec.	202	88,285	13,000	1,120	29,164	74,203
Totals....	3,050	623,780	66,703	5,601	251,644	521,080

	Garfield	Gunnison	Huerfano	Jackson	Jefferson	La Plata
Jan.	4,951	75,899	93,210	2,200	20,608	3,163
Feb.	3,537	57,339	63,292	1,559	16,877	3,419
Mar.	2,813	33,920	46,473	843	13,899	1,811
Apr.	1,979	31,327	51,675	811	10,915	1,287
May	1,835	33,998	49,131	376	9,018	881
June	1,100	19,033	42,260	274	6,790	908
July	1,222	40,681	49,523	479	7,132	1,015
Aug.	2,185	67,555	54,912	567	8,288	2,046
Sept.	3,692	61,943	64,718	1,506	9,605	3,062
Oct.	2,412	50,434	67,807	1,996	12,102	1,540
Nov.	4,780	68,732	84,643	2,386	15,802	3,594
Dec.	5,962	80,618	87,963	2,806	16,689	13,976
Totals....	36,468	621,479	755,607	15,803	147,725	35,702

	Larimer	Las Animas	Mesa	Moffat	Monte- zuma	Mont- rose
Jan.	294	126,785	7,974	8,435	789	3,058
Feb.	243	105,822	6,234	5,245	441	2,636
Mar.	139	92,284	4,339	3,274	273	2,326
Apr.	99	106,498	4,304	1,882	224	2,902
May ....	.....	107,274	3,231	1,748	68	2,959
June ....	.....	93,341	3,024	1,106	.....	2,849
July ....	.....	99,233	3,029	1,260	39	2,875
Aug. ....	.....	93,653	6,128	3,482	107	2,524
Sept.	127	97,390	6,871	6,563	550	2,940
Oct.	288	114,411	6,878	3,523	458	3,307
Nov.	424	113,382	7,088	1,169	211	3,066
Dec.	688	125,744	13,981	11,980	1,581	9,271
Totals....	2,302	1,275,817	73,081	49,667	4,741	40,713

	Pitkin	Rio Blanco	Routt	San Miguel	Weld	Total
Jan.	170	1,441	158,967	87	194,322	944,610
Feb.	90	918	105,533	64	136,986	685,380
Mar.	91	630	46,400	55	97,944	460,279
Apr.	150	731	46,436	68	69,658	422,312
May	10	222	41,819	14	39,462	342,985
June	30	194	14,016	3	29,484	253,374
July ....	.....	204	19,931	8	36,118	302,954
Aug.	70	417	84,773	11	52,365	470,493
Sept. ....	.....	834	98,499	16	85,223	577,365
Oct.	51	989	51,472	23	126,908	557,039
Nov.	121	1,231	115,178	38	171,443	768,857
Dec.	215	2,072	130,918	1,043	175,450	886,931
Totals....	998	9,883	913,942	1,430	1,215,363	6,672,579

COAL PRODUCTION IN PREPARED SIZES BY COUNTIES—1940

County	Mine Run	Lump	Egg	Nut	Pea	Slack	Total
Archuleta ---	544	1,693	----	----	47	766	3,050
Boulder ----	22,717	105,587	95,972	43,333	20,000	336,171	623,780
Delta -----	5,503	20,844	367	13,355	1,519	25,115	66,703
Elbert -----	1,049	2,392	----	1,596	504	60	5,601
El Paso-----	32,697	22,094	14,318	19,641	2,315	160,579	251,644
Fremont ----	90,421	171,442	18,120	79,049	35,048	127,000	521,080
Garfield ----	6,984	11,020	39	4,786	937	12,702	36,468
Gunnison ----	202,977	81,930	10,044	51,405	10,013	265,110	621,479
Huerfano ---	148,698	94,958	27,261	120,599	117,669	246,422	755,607
Jackson ----	5,965	4,916	360	3,732	----	830	15,803
Jefferson ----	51,004	16,327	----	3,379	6,439	70,576	147,725
La Plata-----	21,517	6,284	----	2,393	1,241	4,267	35,702
Larimer -----	693	1,101	----	26	264	218	2,302
Las Animas--	311,175	20,900	7,611	44,326	2,293	889,512	1,275,817
Mesa -----	26,243	14,099	262	6,718	2,736	23,023	73,081
Moffat -----	8,071	22,243	79	5,142	964	13,168	49,667
Montezuma --	4,253	245	----	44	64	135	4,741
Montrose ----	9,969	1,269	----	65	4	29,406	40,713
Pitkin -----	888	----	----	----	----	110	998
Rio Blanco---	3,843	2,937	----	1,748	5	1,350	9,883
Routt -----	38,820	297,046	78,360	155,499	4,036	340,181	913,942
San Miguel---	1,018	304	----	35	16	57	1,430
Weld -----	51,196	283,171	131,337	6,815	77,043	665,801	1,215,363
Total-----	1,046,245	1,182,802	384,130	563,686	283,157	3,212,559	6,672,579

COKE PRODUCTION IN 1939 BY COMPANIES AND COUNTIES

Companies	County	Total No. of Ovens Used	Total Coke Tonnage	Tons of Coal Made Into Coke	Av. No. Men Em- ployed	Total No. Days W'rk'd
American Smelting and Refining Co.	Las Animas	208	62,417	95,755	39	169
Colorado Fuel and Iron Corp.....	Pueblo	188	543,588	932,137	92	366
Totals		396	606,005	1,027,892	121	332.7 Av.

COAL PRODUCTION IN COLORADO FROM 1873 TO 1940, 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	1940	6,672,579

TOTAL NUMBER OF TONS OF COAL SHIPPED BY THE
COAL MINES OF COLORADO DURING 1940: BY TRUCK;
WAGON; RAILROAD; OR USED FOR STEAM AND
HEAT, OR AT MINE.

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	4	2,448	598	3,050
Boulder	204,985	408,029	10,766	623,780
Delta	33,380	30,440	2,883	66,703
Elbert .....	.....	5,531	70	5,601
El Paso	45,212	163,847	42,585	251,644
Fremont	155,503	358,200	7,377	521,080
Garfield	8,087	28,121	260	36,468
Gunnison	587,435	25,530	8,514	621,479
Huerfano	662,300	87,890	5,417	755,607
Jackson	13,095	2,442	266	15,803
Jefferson	105,054	40,639	2,032	147,725
La Plata	7,628	27,756	670	35,702
Larimer .....	.....	1,790	10	2,302
Las Animas	1,179,859	74,046	21,912	1,275,817
Mesa	874	71,980	227	73,081
Moffat	4,645	44,956	66	49,667
Montezuma .....	.....	4,706	35	4,741
Montröse .....	.....	40,686	27	40,713
Pitkin	796	202	.....	998
Rio Blanco .....	.....	9,833	45	9,883
Routt	842,916	31,698	39,328	913,942
San Miguel .....	.....	1,410	26	1,430
Weid	843,235	333,092	39,036	1,215,363
Totals	4,695,008	1,795,277	182,294	6,672,579

TONS OF COAL SHIPPED OUT OF THE STATE DURING 1940

Boulder	77	Moffat	70
Delta	8,247	Pitkin	90
Fremont	69,366	Rio Blanco	600
Gunnison	89,609	Routt	148,037
Huerfano	134,554	Weid	32
Jackson	8,788		
Las Animas	26,064	Total of State, Tons	485,534

MECHANICAL LOADING IN COLORADO IN 1940

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	49	45	1	...	...	...	2	1	...	248,197	5	8	58	2	63	3,050	
Boulder	...	...	...	...	...	...	...	...	...	...	4	...	1	2	...	623,780	
Delta	...	...	...	...	...	...	...	...	...	...	4	...	1	2	...	66,703	
Elbert	5	3	2	...	...	...	...	...	...	8,461	...	...	13	...	6	5,601	
El Paso	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	251,644	
Fremont	44	18	2	10	13	10	...	...	...	208,340	1	...	...	...	1	521,080	
Garfield	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	36,468	
Gunnison	12	4	4	...	4	...	...	...	...	25,569	1	29	6	2	19	621,479	
Huerfano	12	10	2	...	...	...	...	...	...	22,614	...	51	7	1	12	755,607	
Jackson	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	15,803	
Jefferson	...	...	...	...	...	...	...	...	...	...	...	1	3	...	5	147,725	
La Plata	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	35,702	
Larimer	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2,302	
Las Animas	...	...	...	...	...	...	...	...	...	...	...	16	10	...	5	1,275,817	
Mesa	3	3	...	...	...	...	...	...	...	11,805	1	4	6	1	4	73,081	
Moffat	1	...	1	...	...	...	...	...	...	305	...	1	2	...	3	49,667	
Montezuma	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4,741	
Montrose	...	...	...	...	...	...	...	...	...	33,327	...	...	...	...	7	40,713	
Ouray	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Pitkin	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	998	
Rio Blanco	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Routt	72	30	7	10	14	10	...	5	...	191,437	1	13	45	5	71	9,883	
San Miguel	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	913,942	
San Juan	55	48	7	...	...	...	...	...	...	90,493	...	12	62	...	6	1,430	
Weld	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,215,363	
Total	253	161	26	20	31	20	2	6	...	841,548	18	157	267	18	300	6,672,579	

FATAL ACCIDENTS—1940

Date	Name	Company	Mine	County	Cause
1. Jan. 5	William J. Morrison	Rocky Mountain Fuel Co.	Industrial	Boulder	Fall of rib (coal)
2. Jan. 16	Costa Egnatoff	Colo. Fuel & Iron Corp.	Crested Butte	Gunnison	Fall of roof (rock)
3. Jan. 30	James Sherrett	Clayton Coal Co.	Washington	Weld	Fall of roof (coal & rock)
4. Jan. 30	Richard John Elise	Colo. Fuel & Iron Corp.	Crested Butte	Gunnison	Mine car—crushed while removing sprags
5. Jan. 30	Joseph Borsia	Deldosso Coal Co.	Sopris No. 1	Las Animas	Top coal—removing pillars
6. Jan. 31	Adolfo Bowman	Gus Gareia	Garfield	Las Animas	Fall of roof (water slip)
7. Feb. 1	Raymond E. Baxter	William Hunt	Hunt	La Plata	Fall of roof (coal)
8. Feb. 9	Mike Mannino	Colo. Fuel & Iron Corp.	Rockvale No. 3	Fremont	Prop knocked out by haulage rope on curve
9. Feb. 17	Coy Finn	Galeton Coal Co.	Galeton	Weld	Fall of roof (rock)
10. Feb. 20	John M. Tippy	Hayden Coal Co.	Hayden No. 3	Routt	Fall of roof (rock)
11. Feb. 26	Aaron R. Stewart	Oliver Coal Co.	Oliver	Gunnison	Fall of face coal
12. Apr. 4	Herman Biella	Boulder Valley Coal Co.	Centennial	Boulder	Falling cross bar
13. Apr. 30	Edward Andrew	Boulder Valley Coal Co.	Centennial	Boulder	Caught between motor & roof
14. May 2	Bernard Holybee	Juanita Coal & Coke Co.	King	Delta	Fall from moving railroad car
15. July 17	Hugh Titsworth	Colo. Fuel & Iron Corp.	Frederick	Las Animas	Fall of roof (slip rock)
16. July 31	Pete Todd	Moffat Coal Co.	Moffat No. 1 & No. 2	Routt	Fall of roof (draw rock)
17. Aug. 10	Joseph Sperandio	Daisy Coal Co.	Daisy	Las Animas	Explosion of gas
18. Aug. 10	Louie Sperandio	Daisy Coal Co.	Daisy	Las Animas	Explosion of gas
19. Aug. 31	Richard H. Cloud	Abandoned Mine	Cannon Ball	San Miguel	Trespassers—Discharge of dynamite
20. Nov. 9	Audy Simanski	Pluto Coal Mining Co.	Pluto No. 2	Boulder	Fall of roof (rock)
21. Nov. 19	Martin Ferina	Caprock Fuel Co.	Caprock	Jefferson	Fall of blasted coal
22. Dec. 4	Edward M. Pineda	Peaks Coal Co.	Peaks	Huerfano	Fall of roof (slate)
23. Dec. 10	Evan Richards	Jewell Collieries Corp.	Creston	Las Animas	Mine car derailment
24. Dec. 24	George Grabryan	Moffat Coal Co.	Moffat No. 1 & No. 2	Routt	Fall of face (draw rock)

NOT CHARGED TO THE INDUSTRY

1. Jan. 3	William H. Jackson	Boulder Valley Coal Co.	Boulder Valley	Weld	Heart attack
2. Dec. 7	Fred Woolman	Colo. & Utah Coal Co.	Harris	Routt	Heart attack

Necessary Recommendations Made by State Department

COAL MINE FATALITIES IN THE STATE OF COLORADO, CLASSIFIED BY CAUSE AND OCCUPATION, FOR
YEAR ENDED DEC. 31, 1940

Causes	Foreman	Assistant Foreman	Fire-bosses	Pick Miners	Machine Coal Hand Loaders	Machine Runners and Scrapers	Mechanical Loader Operators and Helpers	Shot Fivers	Drivers and Runners	Motormen and Assistants	Doorboys and Helpers	Hoistmen and Rope Riders	Trackmen and Bratticemen	Timbermen and Rockmen	Pump and Pipemen	Electricians and Helpers	All Others	Total Fatalities
UNDERGROUND																		
1. Falls of roof (rock, coal or draw slate).....	...	1	...	7	1	...	2	...	...	...	...	...	...	1	...	...	...	12
2. Roof fall due to car or machine knocking out post.....	...	...	...	1	...	1	...	...	...	...	...	...	...	1	...	...	...	1
3. Falls of face or rib.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
4. Rush of coal, rock or gob.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5. Other falling material or objects (not being handled by injured worker).....	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1
6. Falls of persons.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7. Handling materials.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8. Hand tools.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9. Stepping on nails or other sharp objects.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10. Striking or bumping against objects.....	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	1	...	4
11. Mine cars and mine locomotives.....	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	2
12. Explosions of gas or coal dust.....	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...
13. Explosives (not including those in No. 12).....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14. Electricity (not resulting in explosions).....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15. Machinery.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16. Suffocation from natural gas (not from mine fires or explosions).....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17. Mine fires (burns, suffocations, etc.).....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18. All other accidents underground.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total underground.....	1	1	...	9	...	1	2	...	2	2	...	...	...	2	...	1	...	22

COAL MINE FATALITIES IN THE STATE OF COLORADO, CLASSIFIED BY CAUSE AND OCCUPATION, FOR
YEAR ENDED DEC. 31, 1940—Continued

STATE INSPECTOR OF COAL MINES

51

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	Hoismen and Rope Riders	Trackmen and Bratticemen	Timbermen and Rockmen	Pump and Pipemen	Electricians and Helpers	All Others	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.....	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
35. Railway cars and locomotives.....	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
36. Handling materials.....	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
37. Hand tools.....	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
38. Falls of persons.....	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
39. Falling objects.....	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
40. Machinery on surface.....	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
41. Electricity.....	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
42. Explosives.....	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	1
43. All other surface accidents.....	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Total Surface.....	---	---	---	1	---	---	---	---	---	1	---	---	---	---	---	---	---	2
Grand Total.....	1	1	---	10	---	1	2	---	2	3	---	---	---	2	---	1	---	24

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