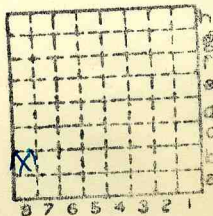




Form 180

homaghi CC #2
 CANTINE #2
 S4 125
 Mi. # 71, BM30



Sec. 25
 T. 3 N.
 R. 8 E.
 W.
 Index No.

✓



Mine originally operated by: (1)
Date Lumaghi Coal Co.
1901

Original name or number: #2
Illinois Coal Report 1901 p.

LATER OPERATORS

Date Operator Name or No.

2 1948 "Cantine #2"

3

4

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14

740' N 100' E of SW corner SW SW (1948)
• Also owners #See ownership sheet

1946
OK

Railroad, Wagon, Idle, Abandoned Shaft
P.R.R., I.T.R.R.

IDENTIFICATION

County No. 125

Coal No. 6

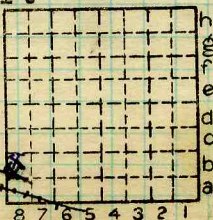
S-4
Belleville

Quad. 226

Part

County Madison

(1948) 7'0"



Sec. 25

T. 3 N. S.

R. 8 W.

Index No. 1825 b8

COAL MINE OPERATOR



(Sheets) COAL PRODUCTION (Sheet)

No.	Period						Tons	
	Mo.	Day	Year	Mo.	Day	Year		
4						1935		
4	1	1	1936	12	31	1936	395	658
4	1	1	1937	12	31	1937	387	166
S-4	1	1	1938	12	31	1938	328	484
						1939	376	429
						1940	395	168
S-4	1	1	1941	12	31	1941	542	806
S-4			1942			1942	670	604
S-4						1943	731	983
S-4						1944	598	894
S-4						1945	623	313
						1946	630	546
						1947	623	841
						1948	656	767
						1949	556	789
						50	247	243

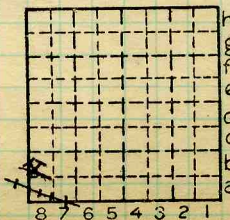
SUMMARIES

No.	to	No.		
1901		1935	11	914 591

Railroad, Wagon, Idle, Abandoned

IDENTIFICATION

S-4
 County No. 125 Coal No. 6
 Belleville
 Quad. 226 Part
 County Madison



Sec. 25
 3 N.
 T. S.
 R. 8 E.
 W.
 Index No.
 1825 b8

COAL MINE—PRODUCTION



LOCATION AND ELEVATION

Location: **N** side **spur Penn.** R. R.
 side R. R.
 side Highway No.

on top. map **2266** Location sheet **750 N. 100 E SW cor Sec.**

Elevation: Method, 1. Est. () ft.
 2. Inst. (kind) **500** ft.

By **Kay** Data sheet

DEPTH

Authority To coal **185** ft.
 Authority Rail to rail ft.
 Top of coal above rail. (Est. Rule) ft.
 To coal **187** ft.

ALTITUDE OF TOP OF COAL

By estimated data
 By instrumental data **313** ft.

Thickness

Max. **120** in. Min. **90** in. Aver. **102** in. **96**

GEOLOGICAL DATA

Mine notes, date **1905**
1912

Coop No. **71** Pyr. inv. Coal Ash inv.

CHEMICAL DATA

Analyses Face	U. I. 5070-1-2	B. M. Bull. 22 (4)	Others
Car	U. I.	B. M. (collinsville #2)	Others
Org. Sulf	U. I.	B. M.	Others
Ash fusion	U. I.	B. M.	Others
Ash anal.	U. I.	B. M.	Others
#71	U. I.	B. M.	Others

Classification **R.I. 123 U.C.I. 144**

Misc. tests: Coking. Cleaning Boiler

Published descriptions:—

100° E } SW cor SWSW
740° N }

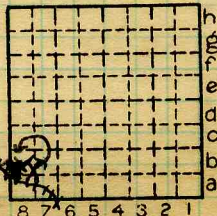
Railroad, Wagon, Idle, Abandoned

IDENTIFICATION

County No. **125**
Belleville
 Quad. **226**
 County **Madison**

Coal No. **6**

Part



Sec. **25**
 T. **3** N.
 R. **8** W.
 Index No.

1825.86

COAL MINE LOCATION AND DATA



8441

(5529-500)

John C. Moore Corporation, Rochester, N. Y. Binder and holes in leaves, each Patented 1896

2

Mine Name or No. Cantine no 2 Mine Address Collins

Operator Sumaglin Coal Co.

Main Office Address Equitable Bldg

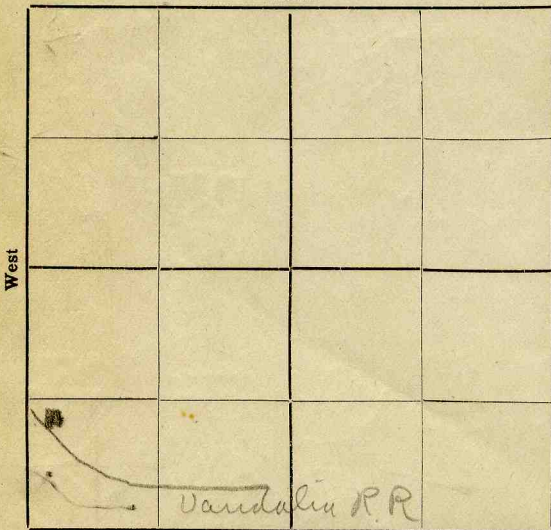
Location of Mine:

Township Name Collinsville County Madison

Section No. 25 Township 3 Range 8 N S E W

Indicate location of mine and position of R. R. in plat of section below.

North



Kindly state number of feet from quarter section lines:

..... from N. line

..... from E. line

..... from S. line

..... from W. line

Idle entire year 19..... Yes No.

Abandoned (date) 19.....

South

MN 1912

SHIPPING MINE

Surface landing is..... feet above sea level or about..... feet (above)

(below) railroad station at..... (nearest town).

Depth to top of coal is 198 feet.

Average thickness of coal is 9 feet..... inches.

Do not fill in below this line.

Coal Bed Name.....

Survey No.....

County Madison # 125

Index No. 1825

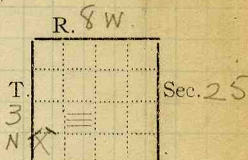
V—MINE LOCATION SHEET.





COAL MINING INVESTIGATIONS
COOPERATIVE AGREEMENT

Mine Name or No., 2
2 miles S.E. from Collinsville
Operator, 191 Lumaghi Coal Co.



Operator, 191

Entrance, Shaft Elev., 500 ft. { above,
Depth to bottom coal, 196.3 ft. Alt. Bottom coal 312. Above sea.
SURFACE DATA. Tap 320

- A. Topography Hilly dry See
- B. Surficial materials, (1) Character Clay
- (2) Thickness, (3) Effect on mining and shaft-sinking, of former drainage lines, underground water strata, etc.

No trouble Mine is dry

- C. Outcrops, (1) Character, See
- (2) Structure, See
- (3) Fossil horizons See
- Collection No.,
- (4) Evidences of subsidence, See
- D. Note collection of mine maps, drill records and shaft logs.

See drill record sheet.

- E. Notes on surrounding area,

No 3. mine, S.E. 1/4 S.W. 1/4 Sec. 26.
Alt. coal (bottom) Mine #3. 322 ft.

See

Coal bed name: Local,

Collector,

Mine, Lumaghi #2 Co.

Survey

State No. 1825

Co-op. No. 71



UNDERGROUND DATA (cont'd.)

- K. (5) Physical character of coal in benches,
 (a) Relative hardness, *Bottom harder.*
 (b) Lustre,
 (c) Fracture,
 (d) Texture, See
 (6) Impurities in coal, other than bedded,
 (a) Kind,
 (b) Position and persistence,
 (c) Rejected, Ease of separation, See
- L. Floor: (1) Material *Bouldery clay.*
 (2) Thickness *12 ft.*
 (3) Variation *No.*
 (4) Note character, condition, tendency to heave, relation to undercutting commercial value.

*Cut coal
 Does not heave.
 Clay filled with boulders.*

- (5) Clay sample No. Location, See
 M. Stratigraphy
 (1) Fossiliferous horizons underground,

Collection No. Location,

N. Notes on effect of deep drilling in coal mine areas.

See

Collector, Coal
 Mine, *Lumaghi #2* Co.
 N.—UNDERGROUND SHEET (Geol.)

State No. **1825**
 Co-op. No. *71*



Main E Face.

Cross cut off Main E.

20" Top coal. Bright Sulph. streak.

12 1/2" Fairly clean, bright, soft, brown streak.

3-8 1/2" Soft coal with few dirt bands.

1 1/2" Blue band shale.

2 2 1/2" Harder coal, N

2 3" above blue band is a streak of Sulph up to 1/2 in. Coal is dirtier below this band. Holes drilled just above this S.

Very much less Casos showing. In fact not conspicuous.

Coal not important.

As coal shows up, in face, presents many small faces whole face lined with sulph streaks spotty not continuous.

~~S~~ Usually parting 4 in from top of bed. Sometimes stays up when shot.

H. J. Lumbaghi. 1825



UNDERGROUND DATA (cont'd.)

K. (5) Physical character of coal in benches,

(a) Relative hardness, **Bottom harder**

(b) Lustre,

(c) Fracture,

(d) Texture,

See

(6) Impurities in coal. other than bedded,

(a) Kind,

(b) Position and persistence,

(c) Rejected,

Ease of separation,

See

L. Floor: (1) Material **Bowlbery clay**(2) Thickness **12' ft.**(3) Variation **No**

(4) Note character, condition, tendency to heave, relation to undercutting commercial value.

Cut coal**Does not heave****Clay filled with boulders**

See

(5) Clay sample No.

Location,

M. Stratigraphy

(1) Fossiliferous horizons underground,

Collection No.

Location,

N. Notes on effect of deep drilling in coal mine areas.

See

Collector, *F. H. Kay* CoalState No. **1825**Mine, **Lumaghi No. 3.**Co-op. No. **71**



Main E Face

- 20" top coal bright
Sulph. streak
- 12 1/2 in. fairly clean, bright, soft,
brown streak
- 3-8 1/2" Soft coal with few dirt bands.
- 1 1/2" = Blue band shale.
- 22 1/2" Harder coal, N.

23" above blue band is a streak of sulph. up to 1/2 in.
Coal is dirtier below this band.
Holes drilled just above this S.

Very much less CaSO_4 showing. Is fact not conspicuous.

Clear^{age} not important.

As coal shows up, in face, presents many small faces.

Whole face lined with sulph streaks mostly not continuous.

Usually failing 4 in. from top of bed. Sometimes stays up when shot.



COAL MINING INVESTIGATION

COOPERATIVE AGREEMENT

Operator, Wemaghi Coal Co Date, 7-8 1912
 Mine, # 2 Located 2 miles* NE from Collinsville
 Location in mine, Entry face Main East (4700 from shaft)
 Total (vertical) depth from surface at point of sampling, 230 ft.

In describing the beds and character of the members, note any member that is rejected by the miner. Note all clay and sulphur partings, whatever their thickness. Exclude from sample all clay and sulphur partings $\frac{3}{8}$ inch thick or over (and even those of less thickness if they are rejected at mine or tippie).

SECTION OF BED AT POINT SAMPLED

No.	DESCRIPTION	FEET	INCHES
1	Coal Bright	1	10
2	Sulphur Streak		$\frac{1}{4}$
3	Coal Bright	1	$\frac{8}{4}$
4	Sulphur Streak		$\frac{1}{4}$
5	Coal Bright	1	$4\frac{3}{4}$
X 6	Blue Band		
7	Coal Bright (streaked)	1	10
X 8	Blue Band		1
9	Coal Bright	1	10
10			
11			
12			
13			
14			
15	Roof Black Slate		
16	Floor Fire Clay		
17	Output 2000 T TOTAL	8	$8\frac{1}{4}$

904' +
102' 2

Is coal wet or dry? Damp
 Time exposed, _____ hours 45 minutes.
 Weight, 45 gross, _____ net.
 What are the impurities, and how do they occur? Sulphur streaks, Blue Bands - Mother Coal streaks
 What are shipped? 1-2-3-4-5-7-9
 What are excluded from the sample? 6-8

Coal bed, # 6
 *Direction (N., NE., etc.) _____ †Nearest railway station. _____

Town, Collinsville Mine, # 2 Co. Wemaghi Coal Co
 Sample No. 71A Can No. STD 33 No. 11



COAL MINING INVESTIGATION

COOPERATIVE AGREEMENT

Operator, *Lumaghi Coal Co* Date, *7-8* 191 *2*
 Mine, *#2* Located *2* miles* *NE*, from *Collinsville*
 Location in mine, *5th Stub face of 9th W. off Main S. (5200*
 Total (vertical) depth from surface at point of sampling, *230* ft. *from shaft*)

In describing the beds and character of the members, note any member that is rejected by the miner. Note all clay and sulphur partings, whatever their thickness. Exclude from sample all clay and sulphur partings $\frac{3}{8}$ inch thick or over (and even those of less thickness if they are rejected at mine or tippel).

SECTION OF BED AT POINT SAMPLED

No.	DESCRIPTION	FEET	INCHES
1	Coal Bright	22	10
2	Sulphur Streak	22 ¹ / ₄	1 ¹ / ₄
3	Coal Bright	34	1
4	Sulphur Streak	34 ¹ / ₂	1 ¹ / ₄
5	Coal Bright	55 ¹ / ₂	3
X 6	Sulphur Streaks	54	1 ¹ / ₂
X 7	Coal Bright	72	4 ³ / ₄
X 8	Sulphur Streak	72 ¹ / ₄	5 ¹ / ₄
X 9	Coal Bright	78 ¹ / ₄	7 ¹ / ₂
X 10	Blue Band	79	1
X 11	Coal Bright	86 ¹ / ₂	7 ¹ / ₂
X 12	Sulphur Streak	88 ¹ / ₂	2
13	Coal Bright	105	1
14			3
15	Roof - Black Slate		86
16	Floor - Fire Clay		8
17	2000 T Output		2 ³ / ₄
	TOTAL,		8

Is coal wet or dry? *Dry* ✓
 Time exposed, _____ hours, *45* minutes.
 Weight, *76* gross, *75* net.

What are the impurities, and how do they occur? *Small Sulphur Streaks*
 What are shipped? *1-2-3-4-5-7-9-11-13*
 What are excluded from the sample? *6-8-10-12 #6*

#5071 Coal bed, *Direction (N., NE., etc.). †Nearest railway station.

Town, *Collinsville* Mine, *#2* Co. *Lumaghi Coal Co.*
 Sample No. *71C* Can No. *156* No. # *71* *1825*

I.—COAL SAMPLE SHEET. Sampler, *Maximald - Stafford*
8-64 *624*



COAL MINING INVESTIGATION

COOPERATIVE AGREEMENT

Operator, *Lumaghi Coal Co.* Date, *7-8* 191*2*
 Mine, #*2* Located *2* miles* *N.E.* from † *Collinsville*
 Location in mine, *1 1/2 E. of main shaft face* 5700'
 Total (vertical) depth from surface at point of sampling, *250* ft. *from shaft*

In describing the beds and character of the members, note any member that is rejected by the miner. Note all clay and sulphur partings, whatever their thickness. Exclude from sample all clay and sulphur partings $\frac{3}{8}$ inch thick or over (and even those of less thickness if they are rejected at mine or tippie).

SECTION OF BED AT POINT SAMPLED

No.	DESCRIPTION	FEET	INCHES
1	Coal, Bright	1	3 1/4
2	Sulphur streak		
3	Coal Bright	1	1 1/4
4	Sulphur streak		1/4
5	Coal Bright	2	2 1/4
6	Sulphur streak		1/4
7	Coal Bright	1	3 1/4
X 8	Sulphur streak		1/2
9	Coal Bright		4 1/2
X 10	Blue Band		1
11	Coal Bright		8
X 12	Sulphur streak		1
13	Coal Bright	1	8
14			
15	Roof - Black Slate		
16	Floor - Fire Clay		
17	2000 T. output	8	9 1/4
	TOTAL,		

Is coal wet or dry? *Dry* ✓
 Time exposed, *105 1/4* hours, *71* 45 minutes.
 Weight, *48* gross, *71* net.

What are the impurities, and how do they occur? *Sulphur streaks*
Blue Bands

What are shipped? *1-2-3-4-5-6-7-9-11-13*

What are excluded from the sample? *8-10-12* #6

#5072

*Direction (N., NE., etc.). †Nearest railway station.

Town, *Collinsville* Mine, #*2* Co. *Lumaghi Coal Co.*
 Sample No. *71 B* Can No. *ST 40* No. *71*

I.—COAL SAMPLE SHEET. Sampler. *MES. - Stafford* 1825

Madison



Operator _____ Date *April 18, '05*
 Mine, *Lemay No 2* Sec. _____ T. _____ R. _____
 Located, _____ miles from *Collinsville - Vandalia*
 Location in mine, *8.14 W of south entry*

GRAPHIC SECTION		DESCRIPTION OF SECTION (AT POINT SAMPLED)		
In.	No.	No.	(Note character and thickness of roof)	Inches
			<i>Roof shale</i>	
0	1		<i>Coal</i> 34	<i>34</i>
	2		<i>Sulphur knife edge</i>	
12	3		<i>Coal</i> 36	<i>2</i>
	4		<i>Sulphur knife edge</i> 26	
24	5		<i>Coal</i>	<i>40</i>
	6		<i>Clay shale</i>	
36	7		<i>Coal</i> 95	<i>19</i>
46				
60				
72	6			
84				
96				
			<i>Floor, shale</i>	
			(Note character and thickness of floor)	
			Total thickness of coal.	<i>95</i>

Condition, _____ Time, _____ hr. _____ min.
 Wt. Gross, _____ lbs. Net, _____ lbs.
 What Nos. shipped by Co.?
 Excluded from sample: No. *6*
 Sample represents *95* in. _____ tons.
 Impurities? How do they occur?

Sample No. _____ Can No. _____ Lab. No. *B.M. 1609*
 Collector, *J. S. Burrows* Coal: Survey No. _____
 Mine, _____ Co. *Madison* Index No. *1825-(?)*



Operator,

Date

April 18, 1905.

Mine,

Lumaghi No 2

Sec.

T.

R.

Located,

miles from

Big Muddy near Collinsville, Va.

Location in mine,

Room 172 N. entry

GRAPHIC SECTION		DESCRIPTION OF SECTION (AT POINT SAMPLED)		
In.	No.	No.	(Note character and thickness of roof)	Inches
			Roof shale	
	1		Coal	98
	2		Sulphur knife edge	—
	3		Coal	—
	4		Sulphur knife edge	—
	5		Coal	—
	6		Clay shale	—
	7		Coal	—
			Floor shale	
			(Note character and thickness of floor)	
			Total thickness of coal.	98
Condition,		Time,	hr.	min.
Wt. Gross,		lbs.	Net,	lbs.
What Nos. shipped by Co.?				
Excluded from sample: No. 6				
Sample represents 98 in. tons.				
Impurities? How do they occur?				
Bulletin 22, p 499				

Sample No.

Can No.

Lab. No. B. M. 1608

Collector,

J. S. Burrows

Coal: Survey No.

Mine,

Co. Madison

Index No.

1825- (?)



Symbol Description Inches
(1 division = 3 in.) *USBM Bull 22 of 498-9*

COLLINSVILLE LUMAGHI NO. 2 MINE.

Sample.—Bituminous coal; Illinois field; (Illinois No. 7) analyses Nos. 1608-A, 1609 (p. 86).

Mine.—Lumaghi No. 2; a shaft mine in the Big Muddy district near Collinsville, on the Vandalia Railroad.

Coal bed.—Herrin coal (Belleville, No. 6) of the United States Geological Survey. Carboniferous age, Carbondale formation. The bed is mined by a shaft 80 feet deep. The coal has an average thickness of 6 feet and no regular partings. It is tough and firm and contains small streaks of shale and sulphur. The roof is uneven, but extremely good, a massive black shale. The floor is firm black shale from 1 to 2 feet thick; below the shale is fire clay.

Two samples were taken by J. S. Burrows on April 18, 1905, from points where the following sections were measured:

Sections of coal bed in Lumaghi No. 2 mine near Collinsville.

	A 1608	B 1609
Laboratory No.		
Roof, shale.	<i>Ft. in.</i> 8 2	<i>Ft. in.</i> 2 10
Coal.		
Sulphur knife edge.		
Coal.		0 2
Sulphur knife edge.		3 4
Coal.		
Clay shale ^a		1 3
Coal.		
Floor, shale.		
Thickness of bed.	8 2	7 11
Thickness of coal sampled.	8 2	7 11

^a Not included in sample.

Section A (sample 1608) was measured in room 17 of the north entry.

Section B (sample 1609) was measured in room 14 of the south entry.

For results of tests of this coal, see mention of specific tests as follows—steaming tests: U. S. Geol. Survey Bull. 290, p. 58; Bull. 332, p. 80; Bureau of Mines Bull. 23, pp. 59, 148; producer-gas tests: U. S. Geol. Survey Bull. 290, p. 59; Bureau of Mines Bull. 13, pp. 110, 272; briquetting tests: U. S. Geol. Survey Bull. 332, p. 80; washing tests: U. S. Geol. Survey Bull. 290, p. 60; Bull. 336, p. 12; coking tests: U. S. Geol. Survey Bull. 290, p. 60; Bull. 336, pp. 21, 28, 37.

For chemical analyses, see part I of this bulletin, p. 86; also U. S. Geol. Survey Bull. 290, p. 57; Bull. 332, p. 80.

Collector,

Mine.

Lumaghi #2 Co. *Madison*

Coal: Survey No. *6*

Index No.

1825.01

COUNTY NO. 125 3N 8W 1825B8

Lumaghi Coal Co #2

Notes by Kay:

Caprock - limestone

1) Thickness, 40' good.

2) Ht. above coal, 4'-8'

Immediate roof - black slate

1) Thickness, 4'-8'

2) Contact with coal - smooth

3) Horizontal variation - Concretions
Immediately above coal.

Mine originally operated by: (1)

Date

Original name or number:

Cleanup proposed at Collinsville mine

By THOMAS C. TOBEN
Of the News-Democrat
COLLINSVILLE — The executive director of the Illinois Abandoned Mined Lands Reclamation Council will recommend the cleanup of the abandoned Lumaghi Mine site just east of Collinsville.

"It's bad," Sue Massie, the council's director said Tuesday. "Work needs to be done there. We've recognized for some time that it's becoming a real serious environmental problem."

Ink-black runoff winding through 15-foot gullies in a huge coal slurry pile has been flowing steadily into Canteen Creek. The runoff, containing particles of coal and clay, can poison plant and aquatic life along the creek, Massie said.

If allowed to cluster, the particles also can raise the creek bed and clog the channel, she said.

And, residents near the 30-acre site say they often are confronted with foul-smelling gases wafting from a section of the pile that is burning.

Massie said she planned to recommend to the council that the site be excavated to end the problems. She said she expects the project to be approved when the council considers funding requests in October.

The seven-member council is composed of representatives from several state agencies, including the Environmental Protection Agency,

the Department of Energy and Natural Resources, and the Agriculture and Conservation departments.

Massie said funds for the cleanup of Lumaghi and other sites around the state would be sought from the U.S. Department of the Interior's Office of Surface Mining.

She said the funds would be available by Feb. 1, 1985. Excavation at the Lumaghi site would begin in next spring, she said.

Two years ago, the council ordered a study of the site. In a report completed last year, a consulting firm concluded that coal slurry was contaminating the stream. The firm had taken samples from the creek above and below the site, Massie said.

The excavations would involve rebuilding of the levy around the pile, known as a slurry pond. The site, on the west side of the creek, also would be covered with soil and planted with vegetation, Massie said.

A steep gob pile on the stream's east bank would be planted and graded to flatten the slopes and reduce runoff, she said.

The Lumaghi gob pile is a small mound of byproducts from the mining of bit coal. Unlike the powdery slurry, its contents are not seriously poisoning the creek.

Massie said the project also would include grading and cleanup of post-mined refuse at the site.

6/21/84

Lumaghi Mine 3N8W
MADISON Co.

She estimated the project could cost from \$1 million to \$1.25 million. But she cautioned the figures are very preliminary.

The site is owned by Belleville Titan Corp. Massie said the company is cooperating with the cleanup.

One nearby resident, John Fornaris, owns about 60 acres adjacent to the site. He said he is pleased with the council's initiative.

"The creek is polluted so bad it's a shame," he said. "There's nothing that will live in there — nothing."

On some nights, with a westerly breeze and a low cloud cover, Fornaris said the burning coal "really gags you ... You can't hardly breathe."

The site contains coal from the Lumaghi No. 2 and No. 4 mines. The latter was the last Collinsville mine to close, ending an era in which the coal industry flourished in the city from the 1850s.

The No. 4 mine closed on Mar. 16, 1964.

Born in Italy, Dr. Octavius Lumaghi started a boom in Collinsville coal mining when he opened his first mine in 1869.

At one time, the Lumaghi operation employed 400 miners. It was one of several mines in the Canteen Creek valley that, at their peaks in 1921, produced almost 2 million tons of coal.

No. 2
E. W.
R. Index. No.

d	c	b	a
1	2	3	4
5	6	7	8
9	10	11	12

8 7 6 5 4 3 2 1

REPORT NO.

Quad.

County

COAL MINE OPERATOR

(92753-1M-6-54)

