



Form 180 Blue

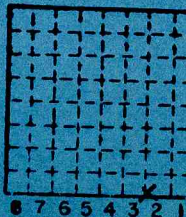
Location sheet files

Mine index # 842

Abd. March 1964

Lumaghi C. C., Cantine ~~Stementine~~ #4

COUNTY No. 546
S-7



h	Sec.	23
g		
f	T.	3 M.
e		R
d		R
c	R.	8 W.
b		
a	Index No.	

MADISON County

abandoned 3/64

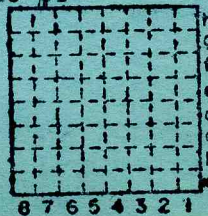
~~local
See active shipping book.~~

370N 1455 W OF SE COR SW SE
1963 M+M REPORT

Lumaghi Coal Co. "Cantine #4"

S-7

County No. 546



Sec.	23	A2
T.	3	N.
		S.
R.	8	E.
Index No.		W.

MADISON County

Mine originally operated by: (1)

Date

Date

2

3

4

5

6

7

8

9

10

11

12

13

14

Rail

No.

Lumaghi 3, 4, 5
 Madison 3N-8W Sec 23, 25, 26

Reclamation work being done on the abandoned mine site on Lebanon Road, east of Collinsville.

Collinsville Mine Site Gets New Look

By Patrick E. Gauert 11-25
 Of the Post-Dispatch Staff

It may be impossible to make a silk purse from a sow's ear, but it is becoming common for Illinois to make a green pasture out of a pile of gray-black rock.

One of the latest examples is a mined-out area east of Collinsville, where small mountains of coal waste are being graded, covered with dirt and planted with vegetation.

The project is the largest in the Metro East area this year and one of the biggest in the state for the Illinois Abandoned Mined Lands Reclamation Council. The agency uses money paid by mining companies into a federal fund to repair damage at mine sites of years ago.

Residents of the area are looking forward to results from the project. "It will be just wonderful," said Chris Paoli, who has lived on Richter Hill, near the Collinsville mine sites, for 20 years. She said the mounds of waste material had been an eyesore and an assault on the

nose, with a sewer-like smell when the wind blows the wrong way.

Collinsville Township Supervisor Terry "Bones" Allan said the project might spur residential growth in open land nearby that has been unattractive to developers because of proximity to the mined-out mess. "I think this is dynamite," Allan said.

The 70 acres of damaged land actually being reclaimed will not be suitable for buildings, but can be used as pastures or parks, said Kim Shanhart, a spokeswoman for the state council. The effort seems certain to increase the value of surrounding property, she said.

"In any case, no matter what you do with it, it will be better than it was before," Shanhart said.

Three former mines, the now-defunct Lumaghi Coal Co.'s numbers 2, 3 and 4, are involved. The first of the three was sunk in 1901 and the last one closed in 1964, state records show. The most productive of the mines put out 20 million tons of coal in 49 years.

Congress enacted the Surface Mining and Reclamation Act in 1977, requiring coal operators to restore mine land after use and imposing a tax of 35 cents a ton on coal from surface mines and 15 cents from underground mines. The money is used to clean up sites vacated before August 1977.

The Reclamation Council, under the supervision of Lt. Gov. George Ryan, gets half the coal tax collected in the state. This year's grant is for \$14 million, and next year \$16 million will be requested, Shanhart said. The amounts include release of some money collected previously and represent substantially more than the state's yearly share of the coal tax, she said.

The project near Collinsville was begun in mid-September and is scheduled to be completed next fall. It is being done under a \$2,655,000 contract awarded to Illinois Excavators Co. of Red Bud.

Cleanup of five acres of waste at nearby Lumaghi No. 1, a mine which opened in 1879 and closed in

1903, has been contracted to the McMath Construction Co. of Waterloo for \$152,000.

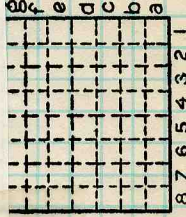
The Reclamation Council was formed in 1975 and did some early cleanup work with state money. Federal grants for specific projects became available after 1977, and the council assumed greater control over use of the federal money in 1982.

About 20,000 acres of sites have been identified on a cleanup priority list, Shanhart said, and about half of them have been restored either by the agency or by private companies, or are no longer eligible for help.

Private operators find some sites suitable for recovery of coal from the waste, a process that makes them liable for eventual restoration of the property under the 1977 law, Shanhart said. Recovery of coal products was attempted at the Lumaghi sites about 10 years ago but abandoned.

Early council projects, given top

T. N. S.
 R. E. W.
 Index No.



Coal No.

IDENTIFICATION

County No. _____

Coal Report No. _____

Quad.

County

COAL MINE OPERATOR



(92753-1M-6-54)

Mine originally operated by: (1)

Date

Date

Name or No.

Work progresses on reclaiming mine

By JACK COWAN
News-Democrat 12/12

COLLINSVILLE — Earthmovers are transforming small mountains of gray-black rock into green pastures on mined-out land east of Collinsville.

It is one of the largest mine reclamation projects underway in the state.

Caterpillar tractors and heavy machinery are cutting into towering piles of coal slag, some almost 100 feet high, and spreading dirt over the mine-scarred land surrounding Lumaghi Coal Co.'s Mines Nos. 2, 3, and 4, along Lebanon Road, east of Collinsville.

By late 1986, grass and small trees will cover the 70-acre site, where until recently burning coal seams released a foul, sewer-like stench, and coal slurry streamed into nearby Canteen Creek.

"I never thought it would happen," said Herman Lilley, who lives near the site. "That's been a big eyesore for the people living around here. I think, now, we'll finally improve this end of Collinsville."

Lilley said he is grateful the coal seams are no longer smoking because he believed the smoke was

endangering peoples' health.

"It was hard to get your breath at times," he said. "It was the sulfur in the coal."

The Lumaghi Mine reclamation project is one of the largest undertaken this year, said officials of the Illinois Abandoned Mined Lands Reclamation Council, a state agency formed in 1975 to restore mine-scarred lands.

The state agency allocated \$14 million in federal funds this year for mine reclamation work at 34 sites, and awarded a \$2.65 million contract to clean up the Lumaghi mine site, Kim Shambart, a spokeswoman for the agency, said.

Illinois Excavators Inc. of Red Bud, the winning bidder, began work in September and is expected to complete the Lumaghi project by late 1988, Shambart said.

The site will never be suitable for buildings because only a thin layer of dirt is spread over the damaged ground. But other reclaimed sites are now parks or pastures, Shambart said.

The \$14 million was provided by a grant from the U.S. Department of the Interior's Office of Surface Mining, and included three other reclamation

projects in the metro-east, Shambart said.

Those projects are at Lumaghi Mine No. 1, just south of the other three Lumaghi mines; the St. Louis & O'Fallon Coal Co. mine, near Ruby Drive in Fairview Heights; and the Belle Valley Mine Co.'s slag heap near Mascoutah.

McMath Construcion Co. completed work last month at the eight-acre Belle Valley Mine site at a cost of \$143,728, Shambart said.

Cleanup of the 25-acre St. Louis & O'Fallon Mine Co. site will begin next spring after a contract is awarded, Shambart said.

Reclamation of the five-acre Lumaghi Mine Co. No. 1 site also will begin next spring under a \$152,000 contract awarded to McMath Construction Co., Shambart said.

Shambart said the reclamation agency will request a \$16 million federal grant for further reclamation work in 1986. The tentative list of projects includes two mine sites in Madison County and one site in Randolph County, she said.

Lt. Gov. George H. Ryan will announce the specific sites and funding amounts in February, Shambart said.

Madison City 3N 8W Sec 27

*ALS

Railroad, Wago

IDENT.

County No. _____

Coal Report No

Quad.

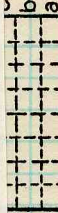
County

ec.

N. S.

E. W.

Index. No.



8 7 6 5 4 3 2 1

COAL MINE OPERATOR





Mine originally operated by: (1)

Date

LUMAGHI COAL CO.
Collinsville, Ill.

Original name or number: **# 4**

Illinois Coal Report **D.**

LATER OPERATORS

Date	Operator	Name or No.
2		# 4
3 1955		Cantine Clementini # 4
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		

*Also owners

#See ownership sheet

Railroad, Wagon, Strip, Idle, Abandoned

March 1964

IDENTIFICATION

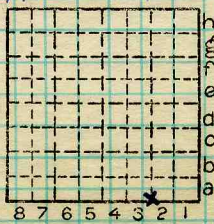
County No. **546**

Coal No. **6**

Coal Report No. **S-7**

Quad. **Collinsville**

County **MADISON**



Sec. **23**

T. **3** N. **8**

R. **8** W.

Index No.

1823A2

COAL MINE OPERATOR



(Sheets) COAL PRODUCTION (Sheet)

Period			Tons		
Mo.	Day	Year	Mo.	Day	Year
<i>Nov.</i>	<i>—</i>	<i>Dec.</i>	<i>1950</i>	<i>142</i>	<i>231</i>
			<i>1951</i>	<i>585</i>	<i>446</i>
			<i>1952</i>	<i>529</i>	<i>341</i>
			<i>53</i>	<i>474</i>	<i>224</i>
			<i>1954</i>	<i>490</i>	<i>299</i>
			<i>1955</i>	<i>589</i>	<i>280</i>
			<i>1956</i>	<i>635</i>	<i>825</i>
			<i>1957</i>	<i>572</i>	<i>559</i>
			<i>1958</i>	<i>521</i>	<i>364</i>
			<i>1959</i>	<i>505</i>	<i>458</i>
			<i>1960</i>	<i>563</i>	<i>963</i>
			<i>1961</i>	<i>536</i>	<i>071</i>
			<i>1962</i>	<i>486</i>	<i>582</i>
			<i>1963</i>	<i>528</i>	<i>864</i>
<i>Abandoned March</i>			<i>1964</i>	<i>123</i>	<i>611</i>

SUMMARIES

No. to No.

Railroad, Wagon, Strip, Idle, Abandoned *Slope*

IDENTIFICATION

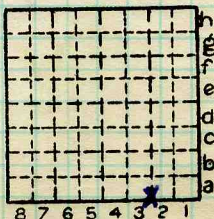
County No. *546*

Coal No.

Coal Report No. *5-7*

Quad. *Collinsville*

County *MAKISON*



Sec. *23*
 T. *3* N.
 R. *8* W.
 Index No.

COAL MINE—PRODUCTION

ILLINOIS GEOLOGICAL SURVEY, URBANA



ILLINOIS STATE GEOLOGICAL SURVEY

Location and Elevation Data

Location _____ Exact _____ Approx. _____

Location by O'Neill Plan

Date _____ Notebook No. _____ Page _____ No. _____

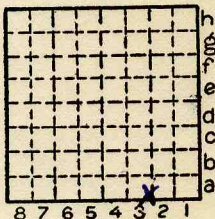
Looseleaf ref. _____ Map files No. _____

Position in sec.

_____ ft. from _____ line

_____ ft. from _____ line

Other description SE corn., SW 1/4, SE 1/4



Sec. 23
 T. 3 N.
 S.
 R. E.
8 W.

Bed	Depth	Elev.	Thickness

Farm Mine No. 4

No. _____

Company LUMAGHI Coal Co.

No. _____

Card by MEH Date 3-3-52

Used in _____

County No. 546

5-7 Elevation _____ ft.

Method: Level, transit, alidade, hand level, top. map.

Elev. of _____ Height of point above ground _____

Date _____ Notebook No. _____ Page _____ No. _____

Looseleaf ref. _____ Map files No. _____

Year opened Nov. 1950 Total depth _____ I. P. _____

Sample set No. _____ Electric log _____ S _____ H _____ L _____

Description (drill hole, mine, etc.) Slope Mine

Time log _____

County Madison Quad Collinsville Index No. _____



Description of coal
before samples taken

Lumaghi #4 Mine
(see next page)

JAH

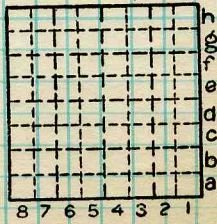
6-17-59

Cret chem Analy #
before typing & filing.

By Date

Quad. Part

County



Sec. N.
T. S.
R. E.
Index No. W.





Location ~~SE SW SE SEC 23 T3N R5W~~
~~Lomaghi Mine about 4 miles N^W of Collinsville, Ill.~~
~~St. Clair County~~ ~~15, 1959~~

4th E off of 11th Right
approximately 32 feet ^{south} from
face on right hand side - No. 1 entry

Face has been abandoned because
of a "roll" that was encountered

Put 1 & 2 under
Remarks that
should follow

Described by Harrison
Recorded by Berger

4th E off bottom
1st N off of 4th E, 11 Right off 4th N,
45° (11th Right slant)

Driving 6 entries

#6 coal

Roof - shale gray with
numerous plant fossils -
"stegallaria"

Coal - #2" 7'2"

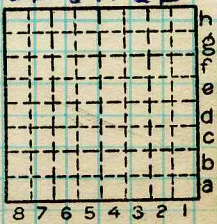
Lomaghi Mine #4
Sample #1

By JAH & RLB Date 6-15-59

Quad. 226B Part

County Madison

SESWSE



Sec. 23
T. 3 N
R. 8 W.
Index No.

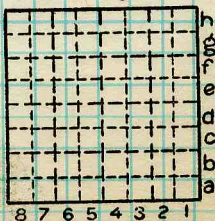




June 15, 1959 (Continued)
4E off of 11E Right

- 0-2" bright coal
- 2-2 1/8 fusain, thickens to the st. to about 1/4"
- 2 1/8-2 7/8 bright coal, NBB, vitrain bands up to 5/8 of an inch
- 2 7/8-2 7/4 Pyrite band - taken out (excluded)
- 2 7/4-35 bright banded clarain
- 35-35 1/2 shale band taken out (excluded)
- 35 1/2-46 1/2 bright banded clarain, vitrain bands net over 1/4"
- 46 1/2-46 9/10 - pyrite nodules with nodules increasing to 1/4 laterally
- 46 9/10-49 1/2 bright clarain with vit. bands up to 1/4"
- 49 1/2-50 shale band - taken out (excluded)
- 50-68 Coal NBB, clarain
- 68-69 } Bright coal & bone coal
interlaminated
- 69-70 1/2 } bone coal & shale mineralizing with calcite
- 70 1/2-71 - bright coal

By _____ Date _____
 Quad. _____ Part _____
 County _____



Sec. _____
 T. _____ N.
 S. _____
 E. _____
 R. _____ W.
 Index No. _____



71-72" shale, blue band (excluded)
72-^{86"}bottom bright banded clay with
one vit. band $\frac{3}{4}$ " coarse
clay

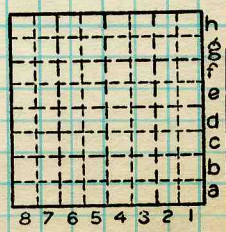
Bottom - hard clay

~~Removed 7th~~

By Date

Quad. Part

County



Sec. N.
T. S.
E.
R. W.
Index No.





~~Sample #2~~

about 4 miles NE June 15

~~Lumaghi mine East of Collinsville Ill.
on R.L. #2 SE-SW SE Sec 23 T3N R8W~~

2nd right parallel of 4th. E. off ~~(sample)~~
the 11th right, approx. 35 ft. from face
on south rib. (2nd, 3rd, 4th entry)
1st. right parallel between sample 1 & 2

Described by Harrison
Recorded by Berger

Roof - gray shale with abundant
plant remains and slip faces

Coal

7' 7 1/2"

Detailed description of coal

0-6 1/2" bright charain

6 1/2-7 Fusain

7-23 1/2 Bright charain with fusain
band up to 1/16", vitreous band
up to 5/8"

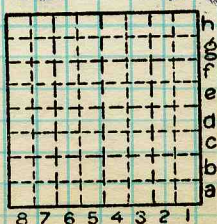
Lumaghi Mine #4
Sample #2

SESWSE

By JAH-RLB Date 5-15-59

Quad. 226 B Part

County Madison



Sec. 23
T. 3 N.
R. 8 W.
Index No.



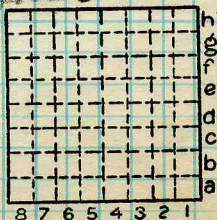


Sample 2 cont.
June 15, 57

- 23½-23¾ - pyrite band (excluded)
from sample
- 23¾-25¾ - bright clarain
- 25¾-25½ shale band
- 25½-36 clarain, NBB
- 36-36¾ - shale band
- 36¾-49¾ - bright clarain = vitrain
band ± ¾" thick
- 49¾-50 shale band
- 50-68½ clarain NBB, vitrain
bands to ½"
- 68½-69 fusain band, relatively mineral
free
- 69-73 bright clarain
- 73-74 shale, blue band (excluded)
from sample
- 74-83½ clarain, vitrain bands up to ½"
- 83½-84 Pyrite & shale zone (excluded from
sample)
- 84-91½ By clarain NBB.

Quad. _____ Part _____

County _____



Sec. _____
T. _____ N.
S. _____ S.
R. _____ E.
W. _____
Index No. _____



Description of coal before samples taken at
the Lumaghi #4 mine. J. A. Harrison 6-17-59.

Lumaghi Coal Co.

Mine No. 4

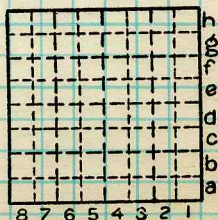
Described by Harrison; Recorded by Berger.

SE SW SE Section 23 T. 3 N., R. 8W
Madison County

By JAH-RLB Date 6-17-59

Quad. 226 B Part

County MADISON



Sec. 23A3
T. 3 N.
R. 8 W.
Index No.



Sample No. 1

C-11091

Location- 4 E off 11th right off 4th North,
45° (11th right slant). Driving
six entries.

Roof- Shale- Gray, contains numerous plant
fossils- "Stigillaria"

Coal No. 6

7'2"

INCHES

0	-	2	Bright coal
2	-	2 1/8	Fusain, thickens to the right to about 1/4"
2 1/8-		27 1/8	Bright coal, normally bright banded, vitrain bands up to 5/8" thick.
27 1/8-		27 1/4	Pyrite band-EXCLUDED-
27 1/4	-	35	Bright banded clarain
35	-	35 1/2	Shale band-EXCLUDED-
35 1/2	-	46 1/2	Bright banded clarain, vitrain bands not over 1/4".
46 1/2	-	46 9/16	Pyrite nodule with nodules in- creasing to 1/4" laterally.
46 9/16-		49 1/2	Bright clarain with vitrain bands up to 1/4" thick.
49 1/2	-	50	Shale band-EXCLUDED-
50	-	68	Coal, normally bright banded, clarain.
68	-	70 1/2	Fusain band mineralized with calcite.
70 1/2	-	71	Bright coal.
71	-	72	Shale (Blue Band)-EXCLUDED-
72	-	86	Bright banded clarain with one vitrain band 3/4", coarse clar- ain.

Bottom

Hard clay

NOTE: Face has been abandoned because of a "roll"
that has been encountered.



Sample No. 2

C-11092

Location - 2nd right parallel of 4th E. off the 11th right, approximately 35' from face on south rib. (2nd, 3rd, and 4th entry and 1st right parallel between sample 1 and 2.)

Roof- Shale- Gray with abundant plant remains and slip faces.

INCHES		
0	-	6 $\frac{1}{2}$ Bright clarain
6 $\frac{1}{2}$	-	7 Fusain
7	-	23 $\frac{1}{2}$ Bright clarain with fusain band up to 1/16", vitrain band up to 5/8"
23 $\frac{1}{2}$	-	23 5/8 Pyrite band-EXCLUDED-
23 5/8	-	*23 3/8 Bright clarain
25 3/8	-	25 $\frac{1}{2}$ Sale band
25 $\frac{1}{2}$	-	36 Clarain, normally bright banded
36	-	36 1/8 Shale band
36 1/8	-	49 7/8 Bright clarain and vitrain bands to 3/4" thick
49 7/8	-	50 Shale band
50	-	68 $\frac{1}{2}$ Clarain, normally bright banded, vitrain bands to $\frac{1}{2}$ "
68 $\frac{1}{2}$	-	69 Fusain band, relatively mineral free
69	-	73 Bright clarain
73	-	74 Shale (Blue Band)-EXCLUDED-
74	-	83 $\frac{1}{2}$ Clarain, vitrain bands up to $\frac{1}{2}$ "
83 $\frac{1}{2}$	-	84 Pyrite & shale zone-EXCLUDED-
84	-	91 $\frac{1}{2}$ Clarain, normally bright banded

9-8-60

No. 6 coal FACE Channel Sample,
from 3rd East Entry, north rib,
20 feet back from face. Entry
cut approx. 1 1/2 YEARS ago.

~~Cantine #4 Mine~~, ~~Humaghi~~ Coal
Co., Collinsville, ILL., ~~Ill.~~

~~Chair Co.~~ Madison Co.
23-3N-8W

Roof, gray shale with
numerous plant fossils
Coal, n.b.b. 7'6 1/2"

DETAILED Description of coal

- 1" BONE 0 - 1"
- 18 1/4" Bright clarain, finely
laminated, with occasional
vitrain band up to 1/4" 1" - 19 1/4"
- 1/4" Dull coal, duro-clarain 19 1/4 - 19 1/2"
- 2 3/4" Clarain as above 19 1/2 - 22 1/4"
- 1/4" Fusain zone with pyrite
mineralization 22 1/4 - 22 1/2"
- 8 1/4" v. Clarain as above 22 1/2 - 30 3/4"

No. 6 coal
Lumaghi mine (cont.)

(2)
9-8-60

- $\frac{1}{4}$ " Fusain, non-mineralized 30 $\frac{3}{4}$ - 31
- 2 $\frac{1}{2}$ " Vitrain band, maybe two vitrain bands with a parting in the middle 31 - 33 $\frac{1}{2}$ "
- $\frac{1}{2}$ " Clay band (removed) 33 $\frac{1}{2}$ - 34
- 8 $\frac{1}{4}$ " Med. banded clarain with vitrain bands up to $\frac{1}{4}$ " thick, some pyrite along cleating 34 - 42 $\frac{1}{4}$
- 8" Zone containing dull clarain and shale and pyrite bands 42 $\frac{1}{4}$ - 50 $\frac{1}{4}$
 $\frac{3}{4}$ " pyrite band at top } REMOVED
 $\frac{1}{4}$ " shale at bottom }
- 8 $\frac{3}{4}$ " MED. clarain with vitrain bands up to 1" thick 50 $\frac{1}{4}$ - 59
- 10" Dull clarain with occasional bright vitrain band from $\frac{1}{16}$ - $\frac{1}{8}$ " thick, coal generally dull, may be duro-clarain 59 - 69
- 3" Fine clarain 69 - 72
- 2 $\frac{1}{2}$ " Clarain as above 72 - 74 $\frac{1}{2}$
- 1 $\frac{1}{4}$ " Shale band (removed) 74 $\frac{1}{2}$ - 75 $\frac{3}{4}$

No. 6 Coal, Lumaghi Mine (cont.) 9-8-60

9" medium clarain	r	75 ³ / ₄ - 84 ³ / ₄
1 ¹ / ₄ " vitrain band		84 ³ / ₄ - 86
4 ¹ / ₂ " medium clarain		86 - 90 ¹ / ₂
:		

ILLINOIS GEOLOGICAL SURVEY, URBANA

Lamaghi Coal Co.
Collinsville Mine #4 area
7 SW, Room 33.

MI 842

The underclay had heaved up to within 42 inches of the roof. According to the engineer and the plant superintendent, the coal was 7' thick. The limestone beneath the clay was 97½" below the roof. The underclay was heaved and cracked. The limestone below the underclay was cracked and gave a hollow sound when hit.

This was the area where the roof had split all the way to the surface, causing damage to property above the mine.

According to the Engineer and Superintendent, the squeezes occur in local areas. The thought is that the underclay has flowed plastically from under the coal pillars into the rooms. One chunk of clay showed scratches like another chunk of clay had been shoved over it, and the small limestone concretions have scratched this chunk of clay. The shale below may have also taken part in the squeeze, as indicated by the broken limestone.

From roof to limestone beneath underclay - 128'?

7 NW 3rd cross cut between 6 and 7 N.

Lumaghi Coal Mine Co.

Send montmorillonite samples.

Sim

Mr. L. L. Ruff

By

Having no more troubles at present.

Quac

June 10, 1954.

County

Sec.

T

R