

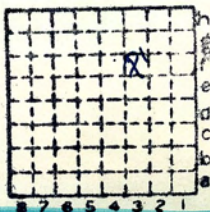


Form 180

Alcoa Ore Co

281

Mine Index
502



Sec. 29
 T. 1 S.
 R. 8 E.
 Index No. W.



Mine originally operated by: (1)

Date

1888

MURPHY COAL CO

Original name or number:

Illinois Coal Report

D.

MORGAN

LATER OPERATORS

Date

Operator

Name or No.

2 1909. REEB COAL CO

8 1917. RADIUM COAL CO

4 1921. ALUMINUM ORE CO.

"RADIUM"

5 1929. ALCOA ORE CO.

"

6

7

8

9

10

11

12

13

14

* Also owners

#See ownership sheet

Railroad, Wagon, Idle, Abandoned

SHIPPING MINE

1933-4
IDENTIFICATION

County No. 281

Coal No.

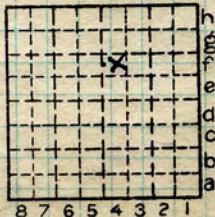
6

Quad. French Village

Part 7

County

ST CLAIR



Sec. 29

T. 1 N.

R. 8 W.

Index No.

COAL MINE OPERATOR



(Sheets) COAL PRODUCTION (Sheet)

Period						Tons
Mo.	Day	Year	Mo.	Day	Year	
1	1	33	12	31	33	Idle
1	1	34	12	31	34	Idle
1	1	35	12	31	35	Idle

SUMMARIES

No.	to	No.	Tons
1888	-	1932 1936 Idle	2,994,867

Railroad, Wagon, Idle, Abandoned
IDENTIFICATION

County No. 281 Coal No. 6

Quad. 225d Part 7

County ST CLAIR



Sec. 29
T. 1 N.
R. 8 W.
Index No.



Town, *Belleville*

Surface alt., *504.1* ft.

Local Authority,

Depth to coal, *51* ft.

Alt. top coal, *453.1* ft.

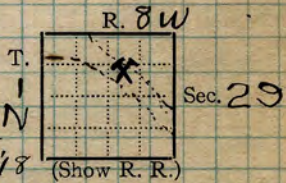
Level: Auth., *W.B.R. (1930)*

Thickness: Av. *72* in.

Max. in., Min. in.

Method, *Plane Table*

R. R., *St. L. & O. R. R.*
~~*I. C. & S. T. Co.*~~



Location: authority, *Letter from Radium H. Zink Co. WBR (1930) 3/4/18*

Operator *Gen. Coal Report #281* Mine Name or No.

1918. *Radium Coal Co* *Radium*

Successor to *Aluminum Ore Co.* *11*

Date

✓ Succeeded by *Aluminum Ore Co. Radium*

Date

Successed by *3300 Missouri Ave. East St. Louis, Ill.*

Date

PRODUCTION.

U. S. No.

19							
<i>'26</i>	<i>1500T cup</i>						
<i>1927</i>	<i>89229</i>						
<i>1928</i>							
<i>1931</i>	<i>270808</i>						
<i>1932</i>	<i>80400</i>						
							<i>1930 #27</i>

Geol. Notes? *No*

Coop. No.

Coal secs? *No*

Analyses No.

Examined by

Ref.

Coal bed name: Local

SHIPPING MINE

Survey No.

County *St. Clair*

Index No. *0729a*

✓ K.—ACTIVE SHIPPING ~~COAL MINE.~~

0729F3
(5628-500)



John C. Moore Corporation, Rochester, N. Y. Binder and holes in leaves, each Patented 1906.
(35031-500-6-25)

Mine Name or No. Radium Mine Address Bella Villa

Operator Alcoa Ore Co

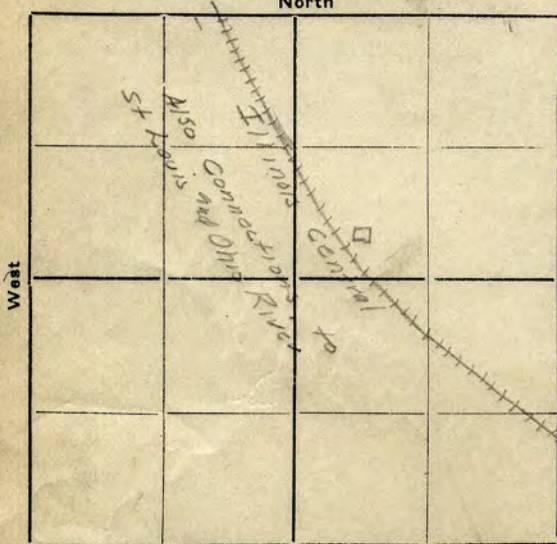
Main Office Address 35th and Missouri Ave
E. St Louis

Location of Mine:

Township Name St Clair County St Clair

Section No. 29 Township 1 N 8 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:

1800 from N. line
----- from E. line
----- from S. line
3000 from W. line

Idle entire year 19-----
Yes
No

Abandoned (date) 19-----

COUNTY NO. 281

SHIPPING MINE

Surface landing is 504.1 feet above sea level or about ----- feet (above)

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

Depth to top of coal is 50 feet.

Average thickness of coal is 6 feet ± inches.

Do not fill in below this line.

Coal Bed Name -----

Survey No. -----

County -----

Index No. 0729F3



LOCATION AND ELEVATION

Location: N side I. C. R. R.
S side St. L. & Ohio R. R. R.
side Highway No.

on top. map 225d Location sheet 13-87-44b.

Elevation: Method, 1. Est. () ft.
2. Inst. (kind Plane table) 504.1 ft.

By W. B. Roe 10-13-30 Data sheet

DEPTH

Authority To coal 50 ft.
Authority Rail to rail ft.
Top of coal above rail. (Est. Rule) ft.
To coal ft.

ALTITUDE OF TOP OF COAL

By estimated data ft.
By instrumental data ft.

Thickness

Max. in. Min. in. Aver. 72 in.

GEOLOGICAL DATA

Mine notes, date 1931

Coop No. Pyr. inv. Coal Ash inv.

Columns 5, 6

CHEMICAL DATA

Analyses Face 165 U. I. C 5, 6, 26 B. M. Others
Car U. I. B. M. Others
Org. Sulf 165 U. I. ✓ B. M. Others
Ash fusion 165 U. I. ✓ B. M. Others
Ash anal. U. I. B. M. Others
U. I. B. M. Others

Classification

Misc. tests: Coking. Cleaning Boiler

Published descriptions:—

Railroad, Wagon, Idle, Abandoned

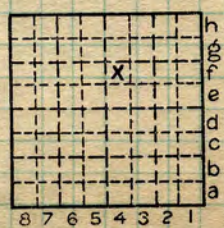
IDENTIFICATION

County No. 281

Coal No. 6

Part 7

Quad. French Village
County St Clair



Sec. 29

T. 1 N.
R. 8 W.
Index No.

COAL MINE LOCATION AND DATA

07293f

lah



Operator, *Alcoa Ore Co*

Date *July 15 1931*

Mine, *Radium*

Sec. *29* T. *1 N* R. *8 W*

Location in mine,

3200 South and 5800 West of Shaft.

GRAPHIC SECTION

DESCRIPTION OF SECTION (AT POINT SAMPLED)

In.	No.	No.	(Note character and thickness of roof)	Inches
	6		<i>Limestone Roof</i>	
	6		<i>(6) Black Slate 17" here</i>	
			<i>Top of Seam</i>	
	5			
	4			
	3		<i>(5) Pyrite and Charcoal 1/2"</i>	
			<i>(4) Pyrite and Charcoal 1/2"</i>	
			<i>(3) Pyritic clay and Charcoal 3/4"</i>	
			<i>(2) Blue band, clay, some pyrite 1/4"</i>	
			<i>(1) Fire Clay</i>	
	2		(Note character and thickness of floor)	
			Total thickness of coal	
	1			
		Condition,	Time,	hr. min.
		Wt. Gross,	lbs.	Net, lbs.
What Nos. shipped by Co.?				
Excluded from sample: No.				
		Sample represents	in.	tons.
Impurities? How do they occur?				

(1 division = 3 in.)

Col.

Sample No. *5*

Can No. *R5*

Lab. No.

Collector, *Hannabach*

Coal: Survey No.

Mine, *Radium Mine Co. St Clair*

Index No. *0729*



Operator, *Alcoa Ore Co* Date *July 17, 1931*
 Mine, *Radium* Sec. *29* T. *1 N* R. *8 W*
 Location in mine, *5400' West and 1600' North of shaft*

GRAPHIC SECTION		DESCRIPTION OF SECTION (AT POINT SAMPLED)		
In.	No.	No.	(Note character and thickness of roof)	Inches
	12			
	11		<i>Top of Seam 76"</i>	
	10		<i>12 1/2" clay and coal lamina</i>	
			<i>(11) 1/8" charcoal</i>	
			<i>(10) 3/8" charcoal</i>	
	9		<i>(9) 1/2" blue clay continuous for 100'</i>	
			<i>or more</i>	
			<i>(8) 1/8" charcoal</i>	
	8		<i>(7) Pyrite lense 3/4 x 5" local only</i>	
			<i>(6) bony coal adjacent thereto</i>	
	7		<i>(6) 1/2" charcoal</i>	
			<i>(5) 1/8" charcoal</i>	
	6		<i>(4) 1" hard clay Blue Band.</i>	
			<i>(3) 2" charcoal</i>	
			<i>(2) 1/4" charcoal</i>	
	5		<i>(1) high gray fire clay</i>	
	4		(Note character and thickness of floor)	
			Total thickness of coal	
	3			
	2		Condition,	Time, hr. min.
			Wt. Gross, lbs.	Net, lbs.
			What Nos. shipped by Co.?	
			Excluded from sample: No.	
	1		Sample represents	in. tons.
			Impurities? How do they occur?	

(1 division = 3 in.)

Sample No. *6* Can No. *R-6* Lab. No.

Collector, *H. M. Nelson* Coal: Survey No. *6*
 Mine, *Radium* Co. *St Clair* Index No. *0729*



Radium Mine.

Column No. 5 was taken at a point 3200 feet south and 5800 feet west of the shaft in the Radium mine of the Alcoa Ore Company, which is located about one mile south west of Belleville. This column was cut from the pointed intersection between a 45-degree cross-cut and a room and in perfectly fresh coal. Due to the irregular nature of vertical and inclined fractures it was not possible to cut the column as a single unit and then lay it over but instead the upper half was cut and taken down and then the lower half was offset a few inches and cut separately. There were a great number of concretions in the slate over the coal in this section of the mine. There was one about 18 inches in diameter in the roof partly over this column which had to be taken down before the column was removed, otherwise it would have fallen immediately and have been very dangerous.

Column No. 6 was cut at a point 5400 feet west and 1600 feet north of the shaft. In this section of the mine there were a great number of inclined slips, some of which were white faced and slickensided. This was characteristic of this side of the mine and there was no use in attempting to ~~nt~~ avoid them. To do so would require getting the column back in the same section as Column No. 5. The coal was rather soft and friable and very easily picked so the effort in cutting the column was reduced.



The coal produced by this mine is almost all consumed by the Aluminum Corp. plant in E. St. Louis. The ash in the screenings is quite immaterial as they are not sold on a competitive basis with other mines so no great expense or effort is made toward getting the small peices of draw slate andpyrite out of the fine sizes. The lump coal is picked and the refuse taken up a chain conveyer to the top of the dump. This dump took fire by spontaneous combustion this summer while were still in that vicinity. It would be possible to get a tipple sample at this mine.

Mr. Ian Marsh, Supt.

Mr. J. F. Gissom, Mine Mgr.

Column 5 + Col. 6