



Mine originally operated by: (1)

Date

1896

Big Muddy Coal & Iron Co.

Original name or number: #1

Illinois Coal Report 1896 p.

LATER OPERATORS

Date	Operator	Name or No.
2 1902	Big Muddy Coal & Iron Co.	#7
3 1920	Consolidated Coal Co.	#7 (New Monarch)
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		

* Also owners

#See ownership sheet

Railroad, Wagon, Idle, Abandoned

Shaft

C.B.&Q., Mo. Pac., I.C.

IDENTIFICATION

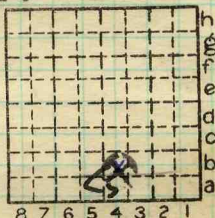
County No. 425

Coal No. 6

Quad. Herry

Part

County Williamson



Sec. 20

T. 8 N. S.

R. 2 E. W.

Index No.

0320 A4

9-3

COAL MINE OPERATOR



No.	Period						Tons	
	Mo.	Day	Year	Mo.	Day	Year		
						1935		
3	1	1	1936	12	31	1936	697	006
3	1	1	1937	12	31	1937	665	532
S-3	1	1	1938	12	31	1938	379	533
						1939	302	307
						1940	182	623

#6

14509531
1039963
4109904

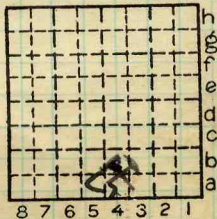
SUMMARIES

No.	to	No.		
1896		1935	13 812 529	14509531

Railroad, Wagon, Idle, Abandoned IDENTIFICATION

County No. 425 Coal No. 6

Quad. Herrin Part
County Williamson



Sec. 20

T. 8 N. S.
 R. 2 E. W.

Index No. 0320 A4



LOCATION AND ELEVATION

Location: side R. R. side R. R. side Highway No.

on top. map Location sheet Map Files # 14-100-45

Elevation: Method, 1. Est. () ft. 2. Inst. (kind Plane Table) 403.7 ft.

By W.B. Roe NB 614 p.57 Data sheet

DEPTH

Authority To coal 140 ft. Authority Rail to rail ft. Top of coal above rail. (Est. Rule) ft. To coal 150 ft.

ALTITUDE OF TOP OF COAL

By estimated data By instrumental data 264 ft.

Thickness

Max. in. Min. 108 in. Aver. 114 in.

GEOLOGICAL DATA

Mine notes, date 1905

Coop No. Pyr. inv. Coal Ash inv.

CHEMICAL DATA

Table with 4 columns: Analyses Face, U. I., B. M., Others. Rows include Car, Org. Sulf, Ash fusion, Ash anal.

Classification

Misc. tests: Coking. Cleaning Boiler

Published descriptions:— 750N } 275E } SW cont S W SE

Railroad, Wagon, Idle, Abandoned 750' from S. 2365' from E

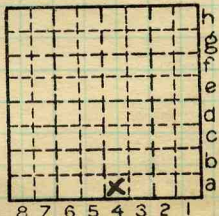
IDENTIFICATION

County No. 425

Coal No. 6

Quad Herrin County Williamson

Part



Sec. 20 T. 8 S. R. 2 E. Index No. 0320

COAL MINE LOCATION AND DATA

94



COAL MINE NOTES.

COUNTY *Williamson*

TOWN

MAP No. *02240*

T. *85*

R. *2E*

S. *20 S.E. 1/4* *0320*

OPERATOR *Big Muddy Coal & Iron Co.*

OFFICE *Herrin.*

MINE *#7*

TIPPLE

ENGINES

BOILERS

DRUM

SHAFT

CAGE

HAULAGE

CARS

VENTILATION

DRAINAGE

SPRINKLING

WORKING SYSTEM

MINING METHODS

SIZE OF ENTRIES—MAIN

CROSS

ROOM

NECK

SIZE OF PILLARS—MAIN

CROSS

ROOM

SHAFT

CHAIN

BARRIER

AMOUNT OF TIMBERING

SIZE

PROPORTION OF COAL UTILIZED

AMOUNT AND CHARACTER OF WASTE

ACREAGE OF COAL MINED

ACREAGE OF COAL REMAINING

PROPORTION OF MINE RUN AND SCREENED COAL

METHOD OF SIZING

RESCREENED

SIZES

PER CENT

PROPORTION AND SIZE OF WASHED COAL *Campbell Washer, feed unsized material*

DAILY OUTPUT

UTILIZATION

MARKETS

FREIGHT RATES

SELLING PRICES AT MINE

02240

COAL LAND OWNED

LEASED

HELD IN FEE

0320

COST OF LAND OWNED

LEASED

HELD IN FEE

ADDITIONAL NOTES *For notes on washer see N.B. 10-P 39, 40, 41, 42, 43, 44*



COAL MINE NOTES.
CONTINUED.

0320

OPERATOR *Big Muddy Coal Co.* MINE
ENTRANCE *Shaft.* NAME OF COAL BED #7
ELEVATION THICKNESS OF COAL
DEPTH TO FLOOR MAX. MIN. AV.
ALTITUDE OF COAL
LOCATION OF SECTION

No.	SECTION.	In.
1	<i>Top Coal</i>	<i>24</i>
2	<i>Coal</i>	<i>60</i>
3	<i>Blue Band, Clay shale</i> $\frac{1}{2}$ "	<i>2"</i>
4	<i>Coal</i> $22\frac{1}{2}$ "	<i>27"</i>
5	<i>Bottom Clay hard</i> 1'	
6		
7		
8		
9		
10		
11		
12		
	<i>Tape</i>	<i>Total</i>

SAMPLE No. *B108*

CAN No.

CONDITION

GROSS WEIGHT

TIME EXPOSED

NOT SHIPPED

NOT INCLUDED

SECTION

Feet

24"

60

$\frac{1}{2}$ " to 2"
22" to 27"

1"

PHYSICAL PROPERTIES BY NUMBERS

#1 Top Coal not removed until rooms are mined out.

ROOF *Top Coal 2'*

FLOOR *Fire Clay 1' hard.*

DIP

FAULTS, ETC.

GAS

COLLECTOR *Bain*

REFERENCE *N.B. 10+15 P. 39+38* DATE

0320

Operator,
Mine, **No 7**
Located,
Location in mine, **2300 ft. SW shaft - R17-S6 W side**

Date **June 16, 1905**
Sec. T R.

miles from **Herrin**

GRAPHIC SECTION DESCRIPTION OF SECTION (AT POINT SAMPLED)

In.	No.	No.	(Note character and thickness of roof)	Inches
			Roof shale	
0	1		Top coal	19
	2		Coal	26
12	3		Sulphur	
	4		mother coal	26 1/4
	5		Coal	33 1/4
24	6	4	Shale regular parting	
	7	7	mother coal	33 3/8
36	8		coal	44 3/8
48	9	10	mother coal	
	10		Shale + mother coal	44 5/8
60	11		Coal	64 5/8
	12	5	Sulphur	
72	13		Shale	64 6/8
	14		Coal	
84	15	17	mother coal	64 7/8
	16		Coal	80 7/8
96	17		Blue band	81 7/8
	18		Coal	105 7/8
108			Flow fire clay	
			(Note character and thickness of floor)	
			Total thickness of coal.	105 7/8

Condition, Time, hr. min.
Wt. Gross, lbs. Net, lbs.
What Nos. shipped by Co.?

Excluded from sample: No. **1, 3, 17.**
Sample represents **85 7/8** in. tons.
Impurities? How do they occur?

Bulletin 92 p 513

Sample No. Can No. Lab. No. **B.M. 1731**
Collector, **J. M. Groves** Coal: Survey No.
Mine, **Co. Williams** Index No. **0320**
R.—COAL SAMPLE SHEET.

Operator, _____ Date *June 16, '05*
 Mine, *No. 7* Sec. _____ T. _____ R. _____
 Located, _____ miles from *Lerrin*
 Location in mine, *2400 ft N 27 shaft - R 14 - N 5 - E side*

GRAPHIC SECTION		DESCRIPTION OF SECTION (AT POINT SAMPLED)		
In.	No.	No.	(Note character and thickness of roof)	Inches
0	1		Roof shale	—
	2		Top coal	—
	3		Coal	6
12	3		Sulphur	6 1/4
	4		Mother coal	—
24	5		Coal	14 1/4
	6		Shale, regular parting	14 3/8
36	7		Mother coal	—
	8		Coal	29 7/8
48	9		Mother coal	29 1/2
	10		Shale & mother coal	—
60	11		Coal	44 1/2
	12		Sulphur	44 5/8
72	13		Shale	—
	14		Coal	62 5/8
84	15		Mother coal	62 1/8
	16		Coal	86 1/8
96	17		Blue band	83 1/4
	18		Coal	107 3/4
108			Flour fine clay	—
			(Note character and thickness of floor)	—
			Total thickness of coal.	107 3/4

Condition, _____ Time, hr. min.
 Wt. Gross, lbs. Net, lbs.
 What Nos. shipped by Co.?

Excluded from sample: No. *1 3 17*
 Sample represents *105 1/2* in. tons.
 Impurities? How do they occur?

Bullition 22, p 513

Sample No. _____ Can No. _____ Lab. No. *B.M. 1732*
 Collector, *J. N. Groves* Coal: Survey No. _____
 Mine, _____ Co. *Williamson* Index No. *0320*

HERRIN. No. 7 MINE.

Symt

(1 divi)

Sample.—Bituminous coal; Illinois field; (Illinois No. 16) analyses Nos. 1731, 1732, and analyses Nos. 3629, 3632, 3636 (pp. 92, 93).

Mine.—No. 7; Big Muddy district; at Herrin, on the Illinois Central Railroad.

Coal bed.—Herrin coal (No. 6) of the United States Geological Survey; Carboniferous age, Carbondale formation. At this mine the bed as a whole is horizontal with local hollows in the floor and rolls in the roof. The bed is from 6 feet to 9 feet 6 inches thick, with an average thickness of 8 feet 9 inches, and has a number of partings of mother coal and paper-like shale. The roof is a massive gray somewhat sandy shale cut by vertical joints; falls in thick layers on exposure. Local rolls cut out some of the coal in places. The floor is generally good, a hard fire clay, averaging 18 inches thick. In places it is scaled off with the coal by shoveling.

The bed was measured and sampled at two widely separated points by J. W. Groves on June 16, 1905. The sections were as follows:

Sulphur.....	0	0	8
Shale.....	0	$\frac{1}{2}$	1
Coal.....	1	4	7
Mother coal.....	0	$\frac{1}{2}$	0
Coal.....	1	4	1
Blue band <i>a</i>	0	1	0
Coal.....	2	0	2
Floor, fire clay.....	8	9 $\frac{1}{2}$	8
Thickness of section.....	7	1 $\frac{1}{2}$	8
Thickness of coal sampled.....			9 $\frac{1}{2}$

a Not included in sample.

Section A, sample 1731, was measured at a point 2,300 feet southwest of the shaft, in room 17, off south entry 6, west side.

Section B, sample 1732, was measured 2,400 foot northeast of the shaft, room 14, off north entry 5, east side.

The bed was also measured and sampled at three points by K. M. Way. Sample 3629 was taken at a point 2,400 feet west of shaft. The sample included a 7-foot cut. It was taken from north straight entry. Sample 3632 was taken 2,250 feet northwest of shaft; 83-inch cut. Sample 3636 was taken west of shaft, 1,800 feet north; 7-foot cut.

Notes.—The coal from this mine, like that from many others in this field, is brittle and bright, the top coal being the hardest. Room-and-pillar system of mining used in 1905, and coal shot from solid. In general about 7 feet of the lower part of the bed was mined, leaving 16 to 24 inches for a roof. The top coal was shot down and loaded when the rooms were ready to be abandoned. The rated capacity of the mine in 1905 was 1,000 tons per day. The unwashed sizes made were: Lump, over 6-inch screen; egg, through 6-inch and over 3-inch screen. The washed sizes were 4, 3, and 2, through $\frac{3}{4}$ -inch, 1-inch, and 1 $\frac{1}{4}$ -inch holes, respectively. The refuse from the washer went to the dump.

For results of tests of this coal, see mention of specific tests as follows—steaming tests: U. S. Geol. Survey Bull. 290, p. 86; Bureau of Mines Bull. 23, pp. 60, 153; producer-gas tests: U. S. Geol. Survey Bull. 290, p. 86; Bureau of Mines Bull. 13, pp. 114, 273; washing tests: U. S. Geol. Survey Bull. 290, p. 87; Bull. 336, p. 12; coking tests: U. S. Geol. Survey Bull. 290, p. 88; Bull. 336, pp. 21, 28, 37; cupola tests of coke: U. S. Geol. Survey Bull. 336, pp. 50, 53, 56, 59, 62.

For chemical analyses see part I of this bulletin, pp. 92, 93; also U. S. Geol. Survey Bull. 290, p. 85; Bull. 332, p. 107.

Collector,

Coal: Survey No. 6

Mine. #7

Co. Williamson

Index No. 0320.52

Location and Elevation Data

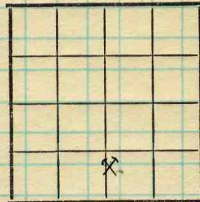
Location: Exact Approximate
(Approximate only if no trace or record of original exists)

Location by W.B. Roe
Date 8-11-1932 Notebook No. 614 Page 57(2335)
Looseleaf ref. _____
Map files No. 14-100-45

Description of location

Position in sec., 1/4 sec., 40 acres

_____ feet from North line
2500 feet from East line
950 feet from South line
_____ feet from West line



Sec. 20
T. 8 S.
R. 2 E.

Other description: _____
Farm _____
No. _____
Company Consolidated Coal Co.
of St. Louis
No. 7A5 Herrin-mine
County No. 1121

Elevation 404.3 ft.

By W.B. Roe

Method: Level, transit, alidade, hand level
Plane table & alidade

Elevation of Curb
Height of point above ground _____
Date 8-11-1932 Notebook 614 P. 57(2335)

Looseleaf ref. _____
Map files No. 14-100-45

Description of item: (drill hole, mine, etc.) Air shaft - active shipping mine

(SH) Not on map

County Williamson (45576-1M-10-30)
Quadrangle 264 Herrin
Index No. 0320.4b
AREA 1