



Mine originally operated by: (1)

Date

1905

Benton Coal Mining Co.

Original name or number: #1

Illinois Coal Report 1954 p. 75

LATER OPERATORS

Date

Operator

Name or No.

1922

Chicago, Wilmington & Franklin

Coal Co. #1-Benton

FORMERLY - BENTON COAL COMPANY

#1 MINE

* Also owners

#See ownership sheet

Railroad, Wagon, Idle, Abandoned

Shaft 620'

SHIPPING MINE

IDENTIFICATION

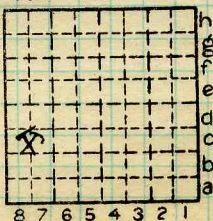
County No. 259

Coal No. 6

Quad. 263

Part

County Franklin



Sec. 19

T. 6 N. S.

R. 3 E. W.

Index No.

0719.8c

COAL MINE OPERATOR



(Sheets) COAL PRODUCTION (Sheet)

Period		Tons
Mo. Day Year	Mo. Day Year	
	1928 - Idle	
	1931 - Idle	
	1932 - Idle	
	1933 - "	
	1934 - "	
1921	303,215	1905 7000
1922	299,288	1906 46157
1923	373,383	1907 140353
1924	319,586	1908 202050
1925	IDLE	1909 283133
26		1910 376758
27		1911 247876
28		1912 382465
29		1913 406275
30		1914 341659
31		1915 361175
32		1916 425934
33		1917 440864
34		1918 437364
BY RAB 8-77		1919 291705
FROM ^{ILL} COAL REPORTS	1920 294541	
TOTAL 5,980,781		

SUMMARIES

No.	to	No.	Tons
1905	-	1930	5 368 286

Railroad, Wagon, Idle, Abandoned

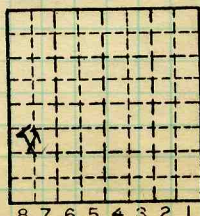
IDENTIFICATION

SHIPPING MINE

County No. 259 Coal No. 6

Quad. 263 Part

County Franklin



Sec. 19

T. 6 N.
R. 3 E.
W.

Index No.

COAL MINE—PRODUCTION

0719.8C



LOCATION AND ELEVATION

Location: side R. R.
 side R. R.
 side Highway No.
 on top. map Location sheet

Elevation: Method, 1. Est. () _____ ft.
 2. Inst. (kind PT) 483.9 ft.

By WBR. Data sheet

DEPTH

Authority To coal _____ ft.
 Authority Rail to rail _____ ft.
 Top of coal above rail. (Est. Rule) _____ ft.
 To coal 623.6 ft.

ALTITUDE OF TOP OF COAL

By estimated data _____
 By instrumental data -140 ft.

Thickness

Max. in. Min. in. Aver. /// in.

GEOLOGICAL DATA

Mine notes, date _____

 Coop No. Pyr. inv. Coal Ash inv.

CHEMICAL DATA

Analyses Face	U. I.	B. M.	<u>Bull #22 (3)</u>	Others
Car	U. I.	B. M.	<u>(Benton mine)</u>	Others
Org. Sulf	U. I.	B. M.		Others
Ash fusion	U. I.	B. M.		Others
Ash anal.	U. I.	B. M.		Others
	U. I.	B. M.		Others

Classification

Misc. tests: Coking. Cleaning Boiler

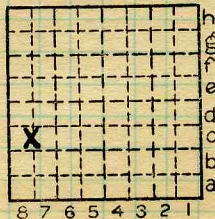
Published descriptions:—

Railroad, Wagon, Idle, Abandoned

SHIPPING MINE IDENTIFICATION

County No. 259
 Quad. W. Frankfort
 County Franklin

Coal No. 6
 Part



Sec. 19
 T. 6 S.
 R. 3 E.
 Index No. 0719.8c

COAL MINE LOCATION AND DATA



Location and Elevation Data

Location: Exact Approximate

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

Location by W.B. Roe

Date 7-27-1932 Notebook No. 614 Page 7(2042)

Looseleaf ref. _____

Map files No. 5-20-28

Description of location

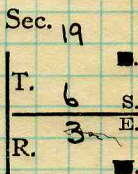
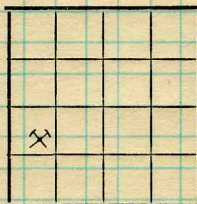
Position in sec., 1/4 sec., 40 acres

_____ feet from North line

_____ feet from East line

1750 feet from South line

850 feet from West line



Farm _____

Other description: _____

MN 1905

No. _____

Company _____

Chicago, Wilmington, & Franklin Coal Co.

No. 1 Benton Mine

County No. 205

Elevation 482.4 ft.

By W.B. Roe

Method: Level, transit, alidade, hand level

Plane table and alidade

Elevation of Curb

Height of point above ground _____

Date 7-27-1932 Notebook 614 P. 7(2042)

Looseleaf ref. _____

Map files No. 5-20-28

Description of item: (drill hole, mine, etc.) Abandoned air shaft - shipping mine

SHIPPING MINE

County Franklin
(45576-1M-10-30)

Quadrangle W. Frankfort

Index No. 0719.7c

NEW



Location and Elevation Data

Location: Exact ✓ Approximate
 (Approximate only if no trace or record of original exists)
 Location by W.B. Roe and topographic map
 Date 7-27-1932 Notebook No. 614 Page 7(2041)
 Looseleaf ref. _____
 Map files No. 5-28-28

Description of location

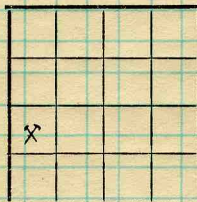
Position in sec., $\frac{1}{4}$ sec., 40 acres

_____ feet from North line

_____ feet from East line

1825 feet from South line

625 feet from West line



Sec. 19	
T. 6	S.
R. 3	E.

Other description: _____
MN 1905

Farm _____
 No. _____
 Company _____
Chicago, Wilmington & Franklin
Coal Co.
 No. 1 Benton mine
 County No. 259

Elevation 483.9 ft.

By W.B. Roe

Method: Level, transit, alidade, hand level

Plane table and alidade

Elevation of Top of Rail

Height of point above ground 3"

Date 7-27-1932 Notebook 614 Page 7(2041)

Looseleaf ref. _____

Map files No. 5-28-28

Description of item: (drill hole, mine, etc.) Hoist shaft - abandoned shipping
mine **SHIPPING MINE**

County Franklin
 (45576-1M-10-30)

Quadrangle W. Frankfort

Index No. 0719.8c



Mine originally operated by: (1)

Date

Chicago, Wilmington & Franklin Coal Co.

Original name or number: #1 Benton Mine
Illinois Coal Report p.

LATER OPERATORS

Date

Operator

Name or No.

2

3

4

5

6

7

8

9

10

11

12

13

14

#259 = Housley, Ill

~~Air Shaft only~~
gmr

* Also owners

#See ownership sheet

Railroad, Wagon, Idle, Abandoned

Air Shaft SHIPPING MINE IDENTIFICATION

County No.

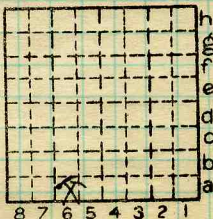
Coal No.



Part

Quad. 263

County Franklin



Sec. 24

T. 6 N. S.
R. 2 E. W.

Index No.

COAL MINE OPERATOR

0624.6a



Location and Elevation Data

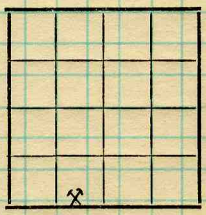
Location: Exact Approximate
(Approximate only if no trace or record of original exists)

Location by W.B. Roe
Date 7-27-1932 Notebook No. 614 Page 7(2057)
Looseleaf ref. _____
Map files No. 5-28-28

Description of location

Position in sec., $\frac{1}{4}$ sec., 40 acres

_____ feet from North line
3425 feet from East line
200 feet from South line
_____ feet from West line



Sec. 24
T. 6 S.
R. 2 E.

Other description: _____
Farm _____
No. _____
Company _____
Chicago, Wilmington & Franklin
Coal Co.
No. 1 Benton mine
County No. 79

Elevation 444.8 ft.

By W.B. Roe

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

Elevation of Corb

Height of point above ground 10"

Date 7-27-1932 Notebook 614 P. 7(2057)

Looseleaf ref. _____

Map files No. 5-28-28

Description of item: (drill hole, mine, etc.) New air shaft - No. 1 mine - abandoned
shipping mine

County Franklin Quadrangle W. Frankfort Index No. 0624.6a
(45576-1M-10-30) NEW



LOCATION AND ELEVATION

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

on top. map Location sheet

Elevation: Method, 1. Est. () _____ ft.
 2. Inst. (kind PT) 444.8 ft.

By WBR. Data sheet

DEPTH

Authority To coal _____ 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 _____
 By instrumental data _____ ft.

Thickness

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

GEOLOGICAL DATA

Mine notes, date _____

 Coop No. Pyr. inv. Coal Ash inv.

CHEMICAL DATA

Analyses Face	U. I.	B. M.	Others
Car	U. I.	B. M.	Others
Org. Sulf	U. I.	B. M.	Others
Ash fusion	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

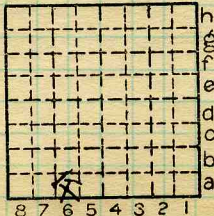
Air Shaft

SHIPPING MINE
 County No.

Coal No.
 Part

Quad. 263
 County

Franklin



Sec. 24

T. 6 N.
 S.
 R. 2 E.
 W.

Index No.

0624.6a

COAL MINE LOCATION AND DATA



COAL MINE NOTES.

0719

COUNTY *Franklin.*

TOWN

MAP No. ~~30817~~

T. *65*

R. *3E*

S. *19 N.W. 5W.*

OPERATOR *Benton Coal Co.*

OFFICE *Benton, Ill.*

MINE *Benton #2*

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

DAILY OUTPUT

UTILIZATION

MARKETS

FREIGHT RATES

SELLING PRICES AT MINE

~~0817~~ 0719

COAL LAND OWNED

LEASED

HELD IN FEE

COST OF LAND OWNED

LEASED

HELD IN FEE

ADDITIONAL NOTES



Operator, _____ Date **1905**
 Mine, **Benton, Big Muddy Dist.** Sec. T. R.
 Located, _____ miles from **Benton - Chic. Eastern Ill.**
 Location in mine, **main entry 100 ft. N. of the shaft**

GRAPHIC SECTION		DESCRIPTION OF SECTION (AT POINT SAMPLED)		
In.	No.	No.	(Note character and thickness of roof)	Inches
			Roof shale	
0	1		Coal	13
	2		Shale, local	13 1/4
12	3		Mother coal, hard	
	4	2	coal	44 1/4
24	5		sulphur	44 1/2
	6		mother coal, soft	
36	7		coal	56 1/2
	8		mother coal	
48	5	9	mother coal, local	57 1/4
	10		coal	84
60	9	11	mother coal	
	12		coal	
72	13		Blue band (shale)	82 1/2
	14		mother coal	
84	13	15	coal	101 3/4
	16		Blue band	
96	17		coal	
	18		Blue band	
108	?	19	coal	?
			(Note character and thickness of floor)	
			Floor, fire clay	
			Total thickness of coal.	111 3/4

Condition, _____ Time, hr. min.
 Wt. Gross, _____ lbs. Net, lbs.
 What Nos. shipped by Co.?
 Excluded from sample: No. **5, 13, 16, 18**
 Sample represents **110** in. tons.
 Impurities? How do they occur?
Bulletin 22, p 493

Sample No. _____ Can No. _____ Lab. No. **B.M. 1695**
 Collector, **J. M. Groves** Coal: Survey No.
 Mine, _____ Co. **Franklin** Index No. **0719**
R.—COAL SAMPLE SHEET.

37 ^{3/4}
 8 1/2
 14 1/4
 18 1/2
 77 12 3/4

7 1/4
 6 3/4
 1
 4 3/4
 21
 39 12 1/8

79 3/4
 41 1/8
 120 7/8"

PSD) 4190
 (See printed version)

Operator,
 Mine, *Ben*
 Located,
 Location in mine, *main entry 80 ft 89 shaft*

Date *1905*
 T. R.

C. E. J.

GRAPHIC SECTION

DESCRIPTION OF SECTION (AT POINT SAMPLED)

In.	No.	No. (Note character and thickness of roof)	Inches
		Roof, shale	
0	1	Coal	37
	2	Shale, local	37
12	3	mother coal, hard	37 3/4
	4	coal	46 1/4
24	5	Sulphur	
	6	mother coal, soft	46 3/4
36	7	coal	60 3/4
	8	mother coal	51
48	9	mother coal, local	
	10	coal	79 1/2
60	11	mother coal	79 3/4
	12	Coal	87
72	13	Blue band (shale)	
	14	mother coal	87 3/4
84	15	Coal	94 1/2
	16	Blue band (shale)	95 1/8
96	17	Coal	99 1/8
	18	Blue band (shale)	99 7/8
108	19	coal	120 7/8
120		(Note character and thickness of floor) <i>lon, per</i> Total thickness of coal.	

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

Excluded from sample: No. *5, 13, 16, 18*
 Sample represents *119 1/4* in. tons.
 Impurities? How do they occur?

Bulletin 22, p 493
 Sample No. Can No. Lab. No. *13.11.1694*

Collector, *J. W. Groves* Coal: Survey No.
 Mine, Co. *Frankl.* Index No. *0719*



COAL MINE NOTES.
CONTINUED.

OPERATOR *Benton Coal Co*

ENTRANCE *Shaft*

ELEVATION ~~*459*~~

DEPTH TO FLOOR *618* MAX.

ALTITUDE OF COAL *-159*

LOCATION OF SECTION

No. SECTION.

MINE *Benton #2*

~~*76*~~ *0719*

NAME OF COAL BED

THICKNESS OF COAL

MIN. AV. *108'*

No.	SECTION.	In.
1	<i>Coal</i>	<i>9' 0"</i>
2	<i>Sulphur thin streak</i>	
3	<i>Coal</i>	<i>10"</i>
4	<i>Blue band</i>	<i>1 1/2"</i>
5	<i>Coal</i>	<i>21"</i>
6		
7		
8		
9		
10		
11		
12		
Tape		Total

SAMPLE No.

CAN No.

CONDITION

GROSS WEIGHT

TIME EXPOSED

NOT SHIPPED

NOT INCLUDED

Coal 9'

Sulphur Streak 10"

Blue band

Coal 1'-9"

SECTION

Feet

—

—

—

—

—

—

—

—

—

—

—

—

XXXX

PHYSICAL PROPERTIES BY NUMBERS

ROOF *Shale top. with 2' of coal left as a top.*

FLOOR *Fire Clay.*

DIP

FAULTS, ETC.

GAS

#1722

COLLECTOR *Cady*

REFERENCE

DATE

NB. 96-128

3849 0719



Symbol Description Inches

(1 division=3 in.) *USGM Bull. 22, p 493*

BENTON. BENTON MINE.

Sample.—Bituminous coal; Illinois field; (Illinois No. 13) analyses Nos. 1694, 1695 (p. 83).

Mine.—Benton; Big Muddy district; a shaft mine at Benton, on the Chicago & Eastern Illinois Railroad.

Coal bed.—Herrin coal (No. 6) of the United States Geological Survey, locally designated as the Big Muddy. Carboniferous age, Carbondale formation. It lies nearly horizontal. Shaft, 630 feet deep. The bed is 6 to 10 feet thick, averaging 9 feet. It has a rather weak roof of hard blue shale, and a floor of medium hard gray shale.

The following sections were measured and sampled by J. W. Groves in 1905:

Sections of coal bed in Benton mine at Benton.

Section.....	A		B	
	1695		1694	
Laboratory No.....	Ft.	in.	Ft.	in.
Roof, shale.....	0	1	3	1
Coal.....	1	1	0	1
Shale, local.....	0	1	0	1
Mother coal, hard.....	2	7	0	8
Coal.....	0	1	0	1
Sulphur ^a	0	1	0	1
Mother coal, soft.....	1	0	1	2
Coal.....	0	1	0	1
Mother coal.....	1	11	1	6
Mother coal, local.....	0	1	0	1
Coal.....	1	11	0	7
Mother coal.....	0	1	0	1
Coal.....	1	7	0	6
Blue band (shale) ^a	0	1	0	1
Mother coal.....	1	7	0	4
Coal.....	0	1	0	1
Blue band (shale) ^a	0	1	0	1
Coal.....	0	1	0	1
Blue band (shale) ^a	0	1	0	1
Floor, fire clay.....	9	3	10	7
Thickness of section.....	9	2	9	11
Thickness of coal sampled.....	9	2	9	11

^a Not included in sample.

Section A (sample 1694) was measured in the main entry 100 feet north of the shaft.

Section B (sample 1695) was measured in the main entry 80 feet south of the shaft.

The two blue bands in section B come together 6 feet from the point at which the section was measured.

Notes.—The coal from this mine, like that from others in this field, is hard and firm. There are local shale partings and "sulphur" nodules, but no regular partings. In 1905 the mine was new and had no definite rating.

For results of tests of this coal see mention of specific tests as follows—steaming tests: U. S. Geol. Survey Bull. 290, p. 77; Bureau of Mines Bull. 23, pp. 60, 152; producer-gas tests: U. S. Geol. Survey Bull. 290, p. 78; Bureau of Mines Bull. 13, p. 113; washing tests: U. S. Geol. Survey Bull. 290, p. 79; Bull. 336, p. 12; coking tests: U. S. Geol. Survey Bull. 290, p. 79; 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, p. 83; also U. S. Geol. Survey Bull. 290, p. 77.

Collector,

Mine. *Benton* Co. *Franklin*

Coal: Survey No. *6*

Index No. *0719.14*