



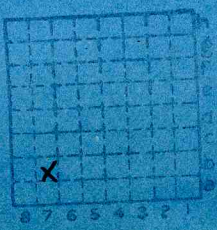
Form 180 Blue

~~Handwritten scribbles and lines~~

Southern C.C. #10

mi. #332, BM46

213



Sec.	3	
T.	1	N.
R.	4	E.
W.		
Index No.		





Mine originally operated by: (1)

Date 1899-1906

Germantown Coal Co.

Original name or number:

Illinois Coal Report

p.

LATER OPERATORS

Date

Operator

Name or No.

2 1906 Southern Coal Co. 10

RJD

add 1910

3

4

5

6

7

8

9

10

11

12

13

14

* Also owners

#See ownership sheet

Railroad, Wagon, Idle, Abandoned

SHIPPING MINE

IDENTIFICATION

County No. 213

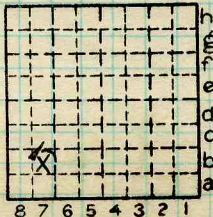
Coal No.



Part

Quad. 227

County Clinton



Sec. 3

T. 1 N. S.

R. 4 E. W.

Index No.

COAL MINE OPERATOR

1303.76



(Sheets) COAL PRODUCTION (Sheet)

Period				Tons	
Mo.	Day	Year	Mo.	Day	Year
German town Coal Co.			18	99	1 000
			19	00	15 600
			19	01	7 800
			19	02	23 414
			03		25 076
			04		71 988
			05		46 881
Southern Coal Co. No 10			06		36 036
			07		18 553
			08		26 602
			19	09	3 527 "local"
			abd-		

Mine maps leads
"Abandoned
July 7, 1910"

Ad.
Matches
McBee
clothes of paper.
A.D. 242
153.6 acre Feet = 4.95
21.3 acres
covers ~ 65 acres
at 50% extr. 50
good match.

SUMMARIES

No.	to	No.		
1899		1909	276	477

Railroad, Wagon, Idle, Abandoned

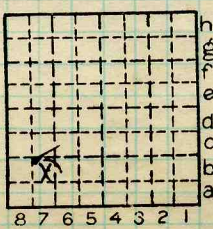
IDENTIFICATION

SHIPPING MINE

County No. 213 Coal No.

Quad. 227 Part

County Clinton



Sec. 3
T. 1 N.
S.
R. 4 E.
W.
Index No.

COAL MINE-PRODUCTION

1303.76



LOCATION AND ELEVATION

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

on top. map Location sheet

Elevation: Method, 1. Est. () _____ ft. ~~427~~
 2. Inst. (kind PT) _____) 428.15 ft.

By _____ Data sheet _____
DEPTH
 Authority Mine Notes To coal _____ ft.
 Authority _____ Rail to rail _____ ft.
 Top of coal above rail. (Est. Rule) _____ ft.
 To coal 345 ft.

ALTITUDE OF TOP OF COAL
 By estimated data _____ 72
 By instrumental data _____ 83 ft.

Thickness
 Max. 62 in. Min. 54 in. Aver. 58 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 <u>* 796</u>
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

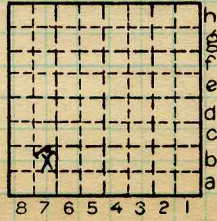
Misc. tests: Coking. _____ Cleaning _____ Boiler _____

Published descriptions:—

Railroad, Wagon, Idle, Abandoned

SHIPPING MINE IDENTIFICATION

County No. 213 Coal No. _____
 Quad. 227 Part
 County Clinton _____



Sec. 3
 T. 1 N. _____
 R. 4 E. _____
 Index No. _____

1303.76

COAL MINE LOCATION AND DATA



Location and Elevation Data

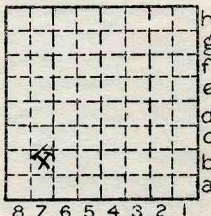
Location: Exact Approximate
(Approximate only if no trace of record of original exists)

Location by Auer
Date..... Notebook No..... Page.....
Looseleaf ref.....
Map files No.....

Description of Location

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

.....feet from North line
.....feet from East line
.....feet from South line
.....feet from West line



Sec. 3
T 1 N.
S.
R E.
4 W.

Other description:.....
MN 1906

Auer # 11 (1899-1910)

Farm.....
No.....
Company Southern Coal Co.
No. 10
County No. 213

Surface Elevation 427 ft.

By.....

Method: Level, transit, alidade, hand level

Elevation of.....
Height of point above ground.....
Date..... Notebook..... P.....
Looseleaf ref.....

Map files No.....

Description of item: (drill hole, mine, etc.) Mine-abd.

SHIPPING MINE

County Clinton

Quadrangle

Index No. /

28294-5M-5-5-27

227

1303.76



COAL MINE NOTES.

COUNTY *Clinton*

TOWN *Germantown*

MAP No. ~~****~~ *1103*

T. *1N*

R. *4W*

S. *3 SW, SW* **1303**

OPERATOR *Southern Coal Co.*

OFFICE *St Louis Mo.*

MINE **10*

USED IN COOP. REPT. 1912.

TIPPLE

ENGINES

BOILERS

DRUM

SHAFT

CAGE

HAULAGE *Mules.*

CARS *Wooden 1 1/4 tons capacity*

VENTILATION *With Fan Forcing.*

DRAINAGE *3" discharge 16 hours pumping*

SPRINKLING

WORKING SYSTEM *Room and Pillar*

MINING METHODS

Undercut with Electric Chain Machines.

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 *3" Shaker.*

RESCREENED

SIZES *Lump over 3" under goes to washer.*

PER CENT

PROPORTION AND SIZE OF WASHED COAL

DAILY OUTPUT *200 tons.*

UTILIZATION

MARKETS

FREIGHT RATES

~~1103~~ **1303**

SELLING PRICES AT MINE

COAL LAND OWNED

LEASED

HELD IN FEE

COST OF LAND OWNED

LEASED

HELD IN FEE

ADDITIONAL NOTES



COAL MINE NOTES.
CONTINUED.

OPERATOR *Southern Coal Co.* MINE # *10*
 ENTRANCE *Shaft* NAME OF COAL BED # *6* 1303
 ELEVATION *427* THICKNESS OF COAL
 DEPTH TO FLOOR *350* MAX. *5'-2"* MIN. *4'-6"* AV.
 ALTITUDE OF COAL *77*
 LOCATION OF SECTION *9th W. off 1st N, 22 00' from shaft.* USED IN COOP. REPT. 1912.

No.	SECTION.	In.
1	<i>Coal</i>	<i>20</i>
2	<i>Sulphur</i>	<i>1/4</i>
3	<i>Coal</i>	<i>8</i>
4	<i>Sulphur</i>	<i>1/4</i>
5	<i>Coal</i>	<i>3</i>
6	<i>Blue Band ?</i>	<i>1/2</i>
7	<i>Coal</i>	<i>3 1/2</i>
8	<i>Sulphur</i>	<i>1/4</i>
9	<i>Coal</i>	<i>12</i>
10	<i>Sulphur</i>	<i>1/4</i>
11	<i>Coal</i>	<i>10</i>
12	<i>Fire Clay or Shale</i>	
Tape <i>58"</i>		Total <i>57 1/2</i>

*427
343
77*

SAMPLE No.
CAN No.
CONDITION *Dry*
GROSS WEIGHT *25 lbs. 12"*
TIME EXPOSED *30 min. +*
NOT SHIPPED
NOT INCLUDED



PHYSICAL PROPERTIES BY NUMBERS

Coal is hard, and sticks to the cap rock. The Coal is hard and bright with numerous sulphur streaks and balls in it.

*427
343
77*

ROOF *Slate 18" 5' Cap rock Ls.*

FLOOR *Slate*

DIP *Slightly to the north.*

FAULTS, ETC.

GAS

COLLECTOR *Wheeler
Clinton*

REFERENCE *N.B. 141 Page 62* DATE

#708 1303

Operator,

Date Feb 2, 1906

Mine, Southern No. 10

Sec. T. R.

Located, 1/2 miles from E of Germantown on Southern R.R.

Location in mine, 264 N. 27200 ft N.W. of shaft

GRAPHIC SECTION DESCRIPTION OF SECTION (AT POINT SAMPLED)

In.	No.	No.	(Note character and thickness of roof)	Inches
			Roof shale	16
0	1		coal	16 1/8
	2		shale	29 1/8
12	3		coal	
	4	2	shale (local)	29 3/8
24	5		shale	49 2/8
	6	4	coal	50 5/8
36	7		blackjack	55 1/8
	8		coal	
48	9		sulphur	
55	10	7	coal	
60	11		shale & sulphur	
	12		coal	

Floor, shale

(Note character and thickness of floor)

Total thickness of coal.

55 1/8

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

Excluded from sample: No. 7
 Sample represents 53 1/4 in. tons.
 Impurities? How do they occur?

Bulletin 22, p 491

Sample No. Can No. Lab. No. 13.M.2857

Collector, N. M. Gross Coal: Survey No.

Mine, N. John Barrie Co. Clinton Index No. 1303

(total)
2200' is N+W of shaft along
legs of triangle, about
1500' directly N or
slightly W of N. R30

(Note orientation and thickness of rock)

(Note orientation and thickness of rock)

SYMBOLS AND ABBREVIATIONS

DESCRIPTION OF SECTION (AS FOUND OR AS RECORDED)

Section in miles

Section in feet

Scale 1:50,000

Date





Operator, *[blank]* Date *Feb. 2, 1906*
 Mine, *Southern No. 10* Sec. *T.* R. *R.*
 Located, *1/2* miles from *Exp. 17 Germantown on Southern P. R.*
 Location in mine, *Back N. 200 ft. north of Shaft*

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>	<i>2</i>
	2		<i>Shale</i>	<i>2 1/2</i>
12	3		<i>Coal</i>	<i>13 1/2</i>
	4		<i>Shale (local)</i>	<i>13 5/8</i>
24	5		<i>Shale</i>	
	6		<i>Coal</i>	<i>32 5/8</i>
36 ^{B.J.}	7		<i>Blackjack</i>	<i>33 1/8</i>
	8		<i>Coal</i>	<i>46 5/8</i>
48	9		<i>Sulphur</i>	<i>46 3/4</i>
	10		<i>Coal</i>	<i>54 3/4</i>
60	11		<i>Shale + Sulphur</i>	<i>55 1/4</i>
	12		<i>Coal</i>	<i>56 3/4</i>
			<i>Floor, shale</i>	
			(Note character and thickness of floor)	
			Total thickness of coal.	<i>563/4</i>
		Condition,	Time,	hr. min.
		Wt. Gross, lbs.	Net,	lbs.
		What Nos. shipped by Co.?		
		Excluded from sample: No. <i>2, 11</i>		
		Sample represents <i>553/4</i> in. tons.		
		Impurities? How do they occur? <i>Bulletin 22, p. 91</i>		

Sample No. *[blank]* Can No. *[blank]* Lab. No. *B.M. 2856*
 Collector, *H. M. Groves* Coal: Survey No.
 Mine, *H. J. von Borries* Co. *Clinton* Index No. *1303*
 R.—COAL SAMPLE SHEET.



Symbol Description Inches

(1 division=3 in.) U S B M Bull 22, p. 491

GERMANTOWN. SOUTHERN NO. 10 MINE.

Sample.—Bituminous coal; Illinois field; (Illinois No. 25) analyses Nos. 2856, 2857 (p. 83).

Mine.—Southern No. 10; a shaft mine one-half mile east of Germantown on the Southern Railway.

Coal bed.—Herrin coal (Belleville, No. 6) of the United States Geological Survey. Carboniferous age, Carbondale formation. Thickness, 4 to 5 feet, averaging 4 feet 8 inches; roof, black shale; floor, hard black shale; shaft, 345 feet deep. Thin layers of shale and streaks and lenses of pyrite constitute the impurities in the bed.

Two sections in the mine were measured and sampled by J. W. Groves and W. J. von Borries on February 2, 1906, as shown below:

Sections of coal bed in Southern No. 10 mine, at Germantown.

Section.....	A		B	
	2856		2857	
Laboratory Nos.....	Ft.	in.	Ft.	in.
Roof, shale.....	0	2	1	4
Coal.....	0	0	0	0
Shale.....	0	11	1	1
Coal.....	0	0	0	0
Shale (local).....	0	0	0	0
Shale.....	0	0	0	0
Coal.....	1	7	1	8
Blackjack.....	0	0	0	0
Coal.....	1	1	0	0
Sulphur.....	0	0	0	0
Coal.....	0	8	0	0
Shale and sulphur.....	0	0	0	0
Coal.....	0	1	0	0
Floor, shale.....	0	0	0	0
Thickness of section.....	4	8	4	7
Thickness of coal sampled.....	4	7	4	5

^a Not included in sample.

Section A (sample 2856) was measured in the back north entry, 2,100 feet north of the shaft.

Section B (sample 2857) was measured in the sixth west entry, 2,200 feet northwest of the shaft.

Note.—The coal at this mine is hard and firm.

For results of tests of this coal, see mention of specific tests as follows—steaming tests: U. S. Geol. Survey Bull. 332, p. 101; Bureau of Mines Bull. 23, pp. 61, 157; producer-gas tests: U. S. Geol. Survey Bull. 332, p. 101; Bureau of Mines Bull. 13, pp. 121, 273; washing tests: U. S. Geol. Survey Bull. 332, p. 102; Bull. 336, p. 12; coking tests: U. S. Geol. Survey Bull. 332, p. 102; Bull. 336, pp. 22, 28, 38.

For chemical analyses see part I of this bulletin, p. 83; also U. S. Geol. Survey Bull. 332, p. 100.

Collector, Mine. #10 Co. Clinton Coal: Survey No. 6 Index No. 1303.11

Q.—COAL SECTION SHEET.