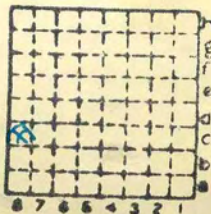


Brewerton. cc #8!

mi. #122



Sec. 1

T. 15 N. 5

R. 5 W. 5

Index No.



Mine originally operated by: (1) O'Gara Coal Co.
 Date 1901

Original name or number:
 Illinois Coal Report p. 50 1882-1930

LATER OPERATORS

Date	Operator	Name or No.
2 1913	Middle States Coal Co.	#26
3 1918	Sangamon Co. Coal Co.	
4 1919	Brewerton Coal Co.	#81
5 1933	Jefferson Coal Mining Co.	#81
6 1935	Mid State Coal Co.	#81
7 1936	Brewerton Coal Co.	#81
8		
9		
10		
11		
12		
13		
14		

Plat Sheet #3

* Also owners #See ownership sheet

bd. 1939 Railroad, Wagon, Idle, Abandoned 1939

SHIPPING MINE

IDENTIFICATION

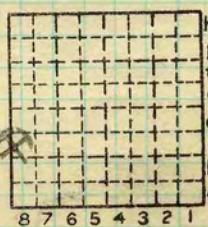
County No.

Coal No. 5

Quad. Springfield

Part 8

County Sangamon



Sec. 1
 T. 15 N.
 R. 5 E.
 Index No.
 1501 c8

COAL MINE OPERATOR



(Sheets)

COAL PRODUCTION

(Sheet)

No.	Period						Tons
	Mo.	Day	Year	Mo.	Day	Year	
						1935	
9	1	1	1937	12	31	1937	20829
S-9	1	1	1938	12	31	1938	111789
						1939	0

#3

SUMMARIES

No.	to	No.	Tons
1901		1930	3713573

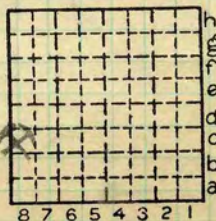
Railroad, Wagon, Idle, Abandoned

IDENTIFICATION

County No. ~~X~~ Coal No.

Quad. Part

County sangamon



Sec. 1
 T. 15 N.
 R. 5 E.
 Index No. 1501 c8

COAL MINE—PRODUCTION



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) ft.

By 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 1921
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

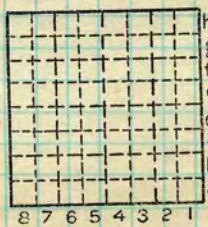
Classification
Misc. tests: Coking. Cleaning Boiler

Published descriptions:—
M. I. #122 B.62

Railroad, Wagon, Idle, Abandoned

IDENTIFICATION
County No.
Quad. Springfield
County Sangamon

Coal No. 5
Part 8



Sec. 1
T. 15 N.
R. 5 W.
Index No. 1501 c8

COAL MINE LOCATION AND DATA

Town, *Springfield*
 Local Authority,
Mical Frank, Braticeman
 Level: Auth.,
 Method, *Topog. map.*

Surface alt., *580* ft.
 Depth to coal, *235* ft.
 Alt. top coal, *345* ft.
 Thickness: Av. *66* in.
 Max. *72* in., Min. *60* in.

R. R.,
B+O., I.T.S.



Location: authority,

Mine Map

Operator

Mine Name or No.

1921 Sangamon County Mining Co

*Sangamon County
(Jefferson)*

Successor to
 Date

✓ Succeeded by *Brewerton Coal Co*
 Date *1925 620-230 S. Clark St.*

No. 8.1

Succeeded by *Chicago, Ill*
 Date

PRODUCTION.

								U. S. No.
<i>1921</i>	<i>1200</i>	<i>Tons</i>						
<i>1927</i>	<i>126</i>	<i>563</i>			<i>Idle</i>	<i>1936</i>		
<i>1928</i>								
			<i>Miller Bros. Engrs.</i>	<i>Engrs.</i>				<i>1930 #2</i>

Geol. Notes? *yes* Coop. No. Coal secs? *3*

Analyses No. *81440-1-2-3 21*

Examined by *Netzeband & Thurston* Ref.

Coal bed name: Local **SHIPPING MINE**

Survey No. *5*

County *Sangamon*

Index No. *1501.02* ✓

✓ K.—ACTIVE SHIPPING OR LOCAL COAL MINE. *Duplicate*



Location and Elevation Data

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

Location by W. B. Roe

Date 4-22-31 Notebook No. 602 Page 5-22

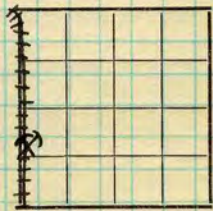
Looseleaf ref. _____

Map files No. 12-83-13c

Description of location

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

_____ feet from North line
_____ feet from East line
1650 feet from South line
_____ feet from West line



Sec. 1
T. 15 N.
R. 5 W.

Other description: Idle

Farm _____
No. _____
Company Brewerton Coal Co.
No. 81
County No. ~~X~~

Elevation 591.4 ft.

By W. B. Roe

Method: Level, transit, alidade, hand level

Elevation of Alidade
Rail at shaft.

Height of point above ground 0

Date 4-22-31 Notebook 602 P. 5-22

Looseleaf ref. _____

Map files No. 12-83-13c

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

242 to R-R. DeWolf reports 246' **SHIPPING MINE**

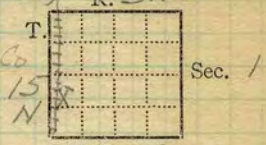
County Luganow Quadrangle Springfield Index No. 150/c8
(5576-10-10-30) 7

Mine Name or No., Sangamon County (Jefferson) R. 5W

2 1/2 mile S.E. from Springfield

Operator, 1911 Sangamon County Mining Co

Operator, 191



Entrance, shaft Elev., 580 ft. (above, sea level) (below, I.T.S.)
 Depth to bottom coal, 235 ft. Alt. 345

SURFACE DATA.

- A. Topography, Flat See
- B. Surficial materials. (1) Character, Till
- (2) Thickness, No information (3) Effect on mining and shaft-sinking, of former drainage lines, underground water strata, etc. No information.

- C. Outcrops, (1) Character, See
- (2) Structure, See
- (3) Fossil horizons, See
- Collection No.,
- (4) Evidences of subsidence, See
- D. Note collection of mine maps, drill records and shaft logs.

See drill record sheet,

E. Notes on surrounding area,

See

Coal bed name: Local, Survey No. 5

Collector, Metzband

Mine, Sangamon County Co. Sangamon Index No. 1501-02

F. Thickness of rock above bed worked, *No information*

(1) Important variations,

See

G. Note presence of strata having important effect on mining,

Black shale requires timbering. See

(1) Position, *Between lvs & coal*

(2) Character, *Massive dark gray to black shale*

(3) Persistence, *Through mine.*

(4) Other workable coal beds, *None reported.*

See

H. Cap rock, *Limestone*

(1) Thickness, *6" - 36"*

(2) Height above coal, *8" - 36"*

See XI

I. Immediate roof, *Black shale*

(1) Thickness, *8" - 3 1/2'* (2) Contact with coal,

(3) Horizontal variation,

See XI

J. Draw slate. (1) Thickness, (2) Contacts

None.

(3) Persistence,

K. Coal bed: Max. *72* Min. *60* Av. *66* inches

(1) Benches, *None.*

(a) Position,

(b) Persistence,

See

(2) Bedded impurities, kind, position in benches, persistence, ease of separation. *Charcoal lenses*

& bands.

SECTION				
Ft.	fn.	Name	Sym.	
3		Limestone		
3	6	Blacksh.		
5	6	Coal		
12		Floorclay		
				1 Dir = 4'

(3) Irregularities in continuity of bed (due to deposition, erosion, or movement), *Clay horse backs.*

See

(a) Effect on mining, *Expensive to cut*

thru especially if hard.

See

Collector, *Natzo band*

Coal: Survey No. 5

Mine, *Sangamon County Sangamin*

Index No. *1501-02*

K. (5) Physical character of coal in benches,

(a) Relative hardness, *Coal is fairly soft*

(b) Lustre,

(c) Fracture, *Blocky*(d) Texture, *Laminated*

See

(6) Impurities in coal, other than bedded,

(a) Kind, *Pyrite lenses & bands.*(b) Position and persistence, *Upper part of coal thruout**mine. Pyrite in patches, some coal entirely free.*(c) Rejected, *Large bands etc.* Ease of separation, *Break free*

See

L. Floor: (1) Material, *Floor clay is below*(2) Thickness, *12' Min or max unk now.*

(3) Variation,

(4) Note character, condition, tendency to heave, relation to undercutting commercial value.

Heaves 4-5" but no serious squeezes.

See

(5) Clay sample No.

Location,

M. Stratigraphy,

(1) Fossiliferous horizons underground,

Collection No.

Location,

N. Notes on effect of deep drilling in coal mine areas.

See

Collector, *Netzeband*Coal: Survey No. *5* Mine, *Sangamon County* Co. *Sangamon*Index No. *1501.02*



INDEX

I₃

The roof is usually black shale (the miners call it "slate")

This shale is massive, black to dark gray and similar in character to the shale over vein #6. it contains nodules, limy and very hard. This rests upon the coal with a fairly regular contact. This "slate" makes heavy timbering necessary, and in the case of slips the "slate" will fall even when timbered. This "slate" is from 8" to 3 1/2' in thickness, wherever it is less than 18" it is taken down.

H

Above this shale is very hard limestone, with an extremely uneven lower contact, projections of which protrude below ~~the~~ or through the "slate" into the coal.

According to a timberman this ls. is from 6" to 4' in thickness. This makes an excellent roof. The ls. sometimes extends into the coal in long rolls and sometimes in inverted conical projections. These were probably deposited in depressions on an eroded surface.

Collector Thurston

Index No. 1501.02

X- 1

EXTRA NO. 1

County Sangamon

Operator, *Sangamon County Mining Co.* Date *Sept. 7 1921*
 Mine, *T. 15N R. 5W* Sec. *1*
 Location in mine, *Room 146, 19th W off Main S.*

GRAPHIC SECTION		DESCRIPTION OF SECTION (AT POINT SAMPLED)		
In.	No.	No.	(Note character and thickness of roof)	Inches
			<i>Black shale</i>	
			<i>1 Coal</i>	<i>13</i>
			<i>2 Charcoal</i>	<i>1/4</i>
			<i>3 Coal</i>	<i>10 3/4</i>
			<i>4 Pyrite lens</i>	<i>1/4</i>
			<i>5 Coal</i>	<i>17 3/4</i>
			<i>6 pyrite lens</i>	<i>1/4</i>
			<i>7 Coal</i>	<i>28 1/2</i>
			<i>Tape 71</i>	
			(Note character and thickness of floor)	
			Total thickness of coal.	<i>70 3/4</i>
			Condition, <i>Dry, fresh</i>	Time, <i>3</i> hr. <i>26</i> min. <i>12:38</i>
			Wt. Gross, <i>26</i> lbs.	Net, lbs. <i>9.12</i>
			What Nos. shipped by Co.?	
			Excluded from sample: No. <i>None.</i>	
			Sample represents <i>70 3/4</i> in.	tons.
			Impurities? How do they occur?	

(1 division = 3 in.)

Sample No. *N-21-145* Can No. *02538* Lab. No. *81440*
 Collector, *Netzeband* Coal: Survey No. *5*
 Mine, *Sangamon County* Co. *Sangamon* Index No. *15011.02*
 R.—COAL SAMPLE SHEET.

Operator, *Sangamon County Mining Co.* Date *Sept. 7 1921*
 Mine, *Sangamon County* Sec. *1* T. *15N* R. *5W*
 Location in mine, *Face of Main S.*

GRAPHIC SECTION		DESCRIPTION OF SECTION (AT POINT SAMPLED)	
In.	No.	No. (Note character and thickness of roof)	Inches
		<i>Black shale.</i>	
		<i>1 Coal</i>	<i>14 1/8</i>
		<i>2 Charcoal lens</i>	<i>6</i>
		<i>3 Coal</i>	<i>1/2</i>
		<i>4 pyrite + clay</i>	
		<i>5 Coal</i>	<i>45</i>
		<i>6 coal</i>	
		<i>7 shale</i>	
		<i>Total 65 1/2</i>	
(Note character and thickness of floor)			
Total thickness of coal.			<i>65 1/8</i>
Condition, <i>Damp</i>		Time, <i>3</i> hr. <i>10:00</i>	<i>1</i> min.
Wt. Gross, <i>2.6</i> lbs.		Net, <i>4</i> lbs.	
What Nos. shipped by Co.?			
Excluded from sample: No. <i>4</i>			
Sample represents <i>65 1/8</i> in.			tons.
Impurities? How do they occur?			

(1 division=3 in.)

Sample No. *A-21-146* Can No. *97004* Lab. No. *81441*
 Collector, *Notzband* Coal: Survey No. *5*
 Mine, *Sangamon County* Co. *Sangamon* Index No. *1501.02*

Operator, *Sangamon County Mining Co.* Date *Sept. 7, 1921*
 Mine, *Sangamon County* Sec. *1* T. *15N* R. *5W*
 Location in mine, *Face of 25th F. off Main S.*

GRAPHIC SECTION		DESCRIPTION OF SECTION (AT POINT SAMPLED)		
In.	No.	No.	(Note character and thickness of roof)	Inches
			<i>Black shale</i>	
			<i>1 Coal</i>	<i>4 1/4</i>
			<i>2 Charcoal lens</i>	<i>3/4</i>
			<i>3 Coal</i>	<i>11</i>
			<i>4 pyrite and clay</i>	<i>1/4</i>
			<i>5 Coal</i>	<i>7 3/4</i>
			<i>6 Charcoal lens</i>	<i>1/4</i>
			<i>7 Coal</i>	<i>18</i>
			<i>8 Charcoal lens</i>	<i>1/4</i>
			<i>9 Coal</i>	<i>11 3/4</i>
			<i>10 shale lens</i>	<i>1/4</i>
			<i>11 Coal</i>	<i>13 1/2</i>
			<i>Tape 68 1/2</i>	
			(Note character and thickness of floor)	
			Total thickness of coal.	<i>68</i>
			Condition, <i>Damp</i>	Time, <i>2</i> hr. <i>50</i> min.
			Wt. Gross, <i>29</i> lbs.	Net, <i>4</i> lbs.
			What Nos. shipped by Co.?	
			Excluded from sample: No. <i>None</i>	
			Sample represents <i>68</i> in.	tons.
			Impurities? How do they occur?	

(1 division = 3 in.)

Sample No. *N-21-147* Can No. *05606* Lab. No. *81442*

Collector, *Natzaband* Coal: Survey No. *5*

Mine, *Sangamon County* Co. *Sangamon* Index No. *1501.02*

TOWN Springfield T. 15N R. 5W S. 1. NW 1/4 S. 1/4 Sangamon CO.
 COAL BED 5 DATE COLLECTOR
 OPERATOR O'Leary Coal Co., MINE Jefferson
 HEAD OFFICE
 CAPACITY MARKETS, FRT.
 ENTRANCE Shaft 24 R'
 CAGE ENGINES
 DRUM
 SCREENS STORAGE

VENTILATION

GAS, SOURCE

COAL THICKNESS, AV 69" MAX. MIN. ELE. FT.

SECTION LOCATED

No.	In.	No.	In.
1		7	
2		8	
3		9	
4		10	
5		11	
6		TAPE	

NOT SHIPPED

NOT INCLUDED

CAN

SAMPLE

PHYSICAL PROPERTIES BY NOS.

ROOF

FLOOR

DIP

CLEAT

FAULTS, ETC.

MACHINES

HAULAGE

CARS

DRAINAGE

WORKING SYSTEM

ENTRIES, MAIN

CROSS

ROOMS

PILLARS, MAIN

CROSS

ROOM

DRAWN

TIMBERS

Note also: Variation in coal, impurities, roof, structure.

Collect records, analyses, fossils. Note land values, etc.

Correspondence

Aug 19-08 Sangamon 4
 O'Garra Coal Co. Jefferson Mine ~~2207~~

Located SW 1/4 S1; T11 N15; R5.

Shaft 246' to floor. Alt top 582.

Old shaft about 7' x 10'

Cage hand made.

Engines old; local make; second action
 on 6 1/2' wooden drum.

Coal 3 1/2' to 6 1/2' ±; Av 6 ft. No bands.

Section:

1	shale - lt gr, soft,	5' ±
2	ls - hd, impure,	0' - 4'
3	Shale, dk drk. with 1/4" lt gr bands & flat lenses -	6" - 4' ±
4	ls - very ferruginous & fossilif.	0 - 8" ±
5	Coal	3 1/2' - 6 1/2'
6	f. c.	2' ±

2 - dk gr, slightly foss. rather
compact, hard. No fusilina.

4 - One plate seen 12" x 8" x 6".
Balls up to size of turbs common.
Looks like "Clod" of W. Kentucky #9.

Mine very veeg. abct clay veins
which are everywhere. Mainly
NE x SW or NW x SE. Locally all
directions intersecting. Some 2' ±
where coming thru sap rock, &
swelling a little in coal. Cut thru
floor also. Drag all downward.

Usually one side is faulted down
1 foot ± & dragged at top. Frags of
roof slate dragged down & shuldered
in clay. Roof needs proppery 4' &
cuts badly. Can't be held near
veins. Small ribs left. Some
squeeze.

Capacity 400-500 T. Mules.

Q Gara (cont'd).

Mined by shooting off solid. Rooms
24' wide x 200' ±; wooden rails in "
laid by men. Very break throughs.

Dip SW ±. E. outle; mules haul 15 cars
1/2 mile to shaft. Cheat approx
N 35° E. 2 butts at rt L. Family
well developed. Disregarded in
mining.

Coal laminated bright & satiny
layers. 1/16" th ±. Looks like
thayer seam except lack of
bands & presence of clay veins

Clay veins look like squeeze of
shale from above cap rock thru
small joints or fissures in cap
rock. Shattered aspect of latter
locally suggests tectonics
origin. Rather than solution
cracks. Clay squeezed by
pressure when plastic.

Operator, Jefferson Coal Mining Co.

Date July 14, 1933

Mine, Brewerton # 81

Sec. 1 T. 15N, R. 5W

Location in mine, Face of 9th N entry off 4th E entry
2600' E and 1100' N of shaft

GRAPHIC SECTION		DESCRIPTION OF SECTION (AT POINT SAMPLED)		
In.	No.	No.	(Note character and thickness of roof)	Inches
			Roof: Black shale, hard - with large, dark, calcareous concretions	
		1.	Coal	17 $\frac{1}{16}$
		2.	Fusain, soft	$\frac{5}{16}$
		3.	Coal	14 $\frac{9}{16}$
		4.	Pyrite, bright, along bedding	$\frac{1}{16}$
		5.	Coal	30 $\frac{1}{8}$
			Floor: Underclay, dark gray, soft, heaves some, surface irregular	
			(Note character and thickness of floor)	
			Total thickness of coal.	63 $\frac{1}{2}$
		Condition, Dry	Time, hr. 50 min.	
		Wt. Gross, 75 lbs.	Net, lbs.	
		What Nos. shipped by Co. ?	1, 2, 3, 5	
		Excluded from sample: No. 4		
		Sample represents 63 $\frac{1}{16}$ in.	tons.	
		Impurities? How do they occur?	Pyrite stringers, lenses, facings, veinlets, bedding plane bands	

(1 division = 3 in.)

Channel - IGS 414 U.S. B.M. channel - T499
 Sample No. Can. Survey Can No. A.M. 60(top) + X80(bottom) Lab. No.
 Collector, L.C. McCabe, E.T. Benson, & J.W. Robinson Coal: Survey No. 5
 Mine, Brewerton # 81 Co. Sangamon Index No. 1501
 R.—COAL SAMPLE SHEET. (12759—1000—2-29) 7

Operator, **Jefferson Coal Mining Co.** Date **July 14, 1933**
 Mine, **Brewerton # 81** Sec. **1** T. **15N** R. **5W**
 Location in mine, **Face of New room off 8th E off 9th N entry**
2650' E, app. 800' N of shaft

GRAPHIC SECTION		DESCRIPTION OF SECTION (AT POINT SAMPLED)		
In.	No.	No.	(Note character and thickness of roof)	Inches
			Roof: Black shale, hard	
		1.	Coal	14 $\frac{2}{32}$
		2.	Fusain parting, soft	$\frac{3}{32}$
		3.	Coal	9 $\frac{5}{32}$
		4.	Pyrite parting	$\frac{1}{16}$
		5.	Coal	36 $\frac{1}{32}$
			Floor: Underclay, dark gray, soft	
			(Note character and thickness of floor)	
			Total thickness of coal.	60

Condition, **Dry** Time, **1** hr. min.
 Wt. Gross, **75** lbs. Net, lbs.
 What Nos. shipped ~~1, 2, 3, 5~~ **1, 2, 3, 5**

Excluded from sample: No. **4**
 Sample represents **59 $\frac{15}{16}$** in. tons.
 Impurities? How do they occur? **Pyrite plates, partings and facings**

(1 division = 3 in.)

Sample No. **U.S.B.M. Channel: K 349** Acc. W. **V 362 (top)** Lab. No.
Can No. B 193 (bottom)
 Collector, **L.C. McCabe, E.T. Benson, & J.W. Robinson** Coal: Survey No. **5**
 Mine, **Brewerton No. 81** Co. **Sangamon** Index No. **1501**
R.—COAL SAMPLE SHEET.

Operator, Jefferson Coal Mining Co.
 Mine, Brewerton #81
 Location in mine, Face of S sideroom off Room 5, 7th W off 9th N
 2400' E and 500' N of shaft

Date July 14, 1933
 Sec. 1 T. 15 N R. 5 W

GRAPHIC SECTION		DESCRIPTION OF SECTION (AT POINT SAMPLED)	
In.	No.	No. (Note character and thickness of roof)	Inches
		Roof: Black Shale, hard	
		1. Coal	22 $\frac{1}{32}$
		2. Pyrite plate	$\frac{1}{32}$
		3. Coal	1 $\frac{27}{32}$
		4. Pyrite parting	$\frac{3}{32}$
		5. Coal	36 $\frac{1}{4}$
		Floor: Underclay, blue, soft	
		(Note character and thickness of floor)	
		Total thickness of coal.	60 $\frac{1}{4}$
		Condition, Dry	Time, hr. 45 min.
		Wt. Gross, 75 lbs.	Net, lbs.
		What Nos. shipped by Co.? 1, 3, 5	
		Excluded from sample: No. 2.4	
		Sample represents 60 $\frac{1}{8}$ " in. tons.	
		Impurities? How do they occur? Pyrite lenses, plates, partings, and facings	

(1 division = 3 in.)

Sample No. U.S. B.M. Channel - 138
 A.W. V 813 (top)
 Can No. X 1 (bottom)
 Lab. No.
 Collector, L.C. McCabe, E.T. Benson, & J.W. Robinson
 Mine, Brewerton #81 Co. Sangamon
 Coal: Survey No. 5
 Index No. 1501
 R.—COAL SAMPLE SHEET.