Union Fuel Co. 5

Sec. 17

T. 17 N.
S.

R. 4 E.
W.

Index No.

Mi. #40

J

Moore's Modern Methods

Mine ~~originally~~ operated by: (1) Williamsville Coal Co. Williamsville.

Date 1893.

Orginal name or number:

Illinois Coal Report p.

LATER OPERATORS

	Date	Operator	Name or No.
2	1918	Chicago-Williamsville C. Co.	
3	1920	Union Fuel	5.
4		Merchants & Mnfg Coal Co	
5		Peabody Fuel Co.	5
6		(Peabody #5 ?)	
7		13N 5W	
		section 12, mine index 806	
8			
9			
10			
11			
12			
13			
14			

Operated as Union Fuel #5 until abnd. J.O., 1957.

incorrect. See McBet?

* Also owners # See ownership sheet

Railroad, Wagon, Idle, Abondoned Before 1927

SHIPPING MINE

Shaft 260' 5'8" #5 IDENTIFICATION

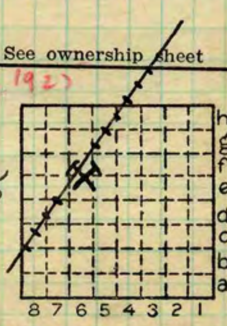
County No.

Coal No. 5

Quad. 158.

Part 1

County Sangamon.



Sec. 17

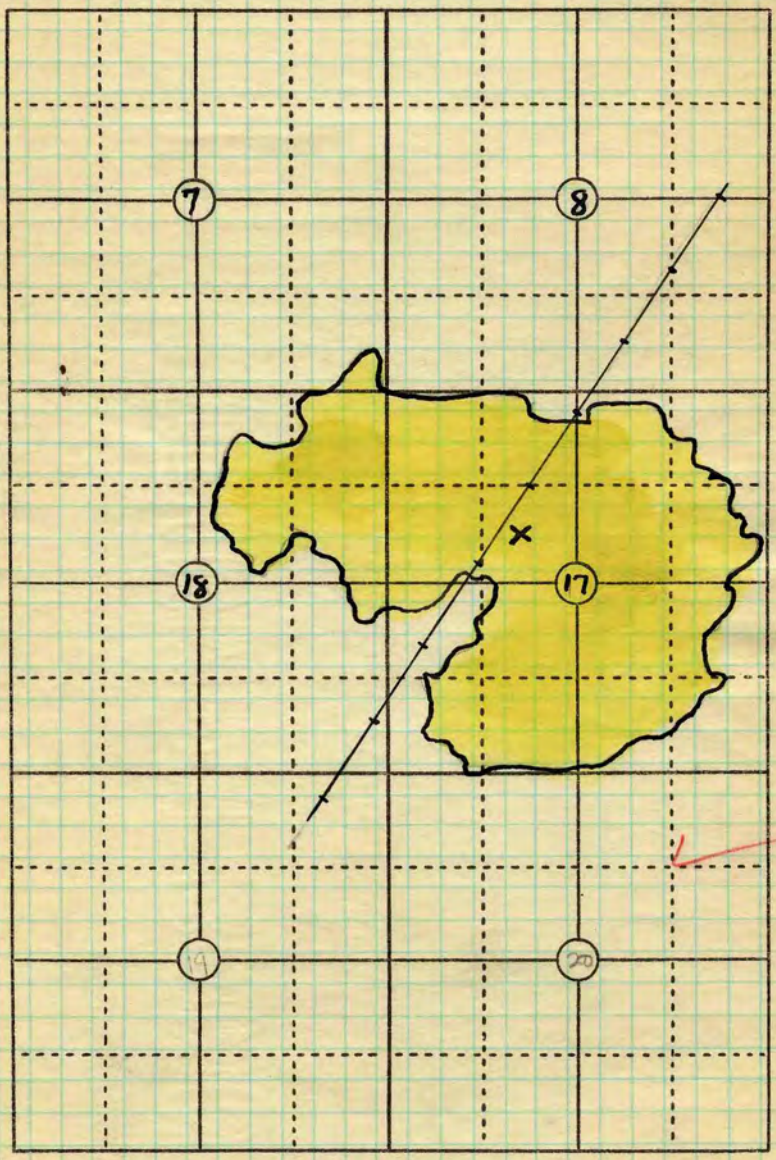
T. 17 N. ~~S.~~

R. 4 ~~E.~~ W.

Index No. 0317

COAL MINE OPERATOR

(34216—1M—3-30) 7



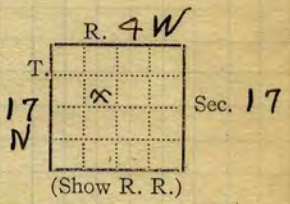
T17N R4W

Date Map 4-'22 Operator Peabody Fuel Co. Name or No. 5

County Sangamon Index No. 0317

Town, Selbytown
Local Authority,
Level: Auth., Bull. 20 Mine Notes
Method,
R. R., C & A
Location: authority, Mine Notes
Wrote to Co for loc as this is possibly an old one -

Surface alt., 590 ft.
Depth to coal, 267 1/3 ft.
Alt. top coal, 322 2/3 ft.
Thickness: Av. 68 in.
Max. in., Min. in.



Auer #18
1893-1922

Operator: 19 Chi.-Williamsville Coal Co.
Mine Name or No.: Williamsville

Successor to
Date
Succeeded by Union Fuel Co #5
Date
Succeeded by Reisch Bldg., Springfield
Date B.F. Blair, Union Fuel Co. No. 5
828 1st Nat'l Bank Bldg, Chicago

PRODUCTION.

Merchants - Mftrs Fuel Co — U. S. No.

1925-26	Idle (Dept. of Mines)
1927	—0—
1928	

Geol. Notes? Yes Coop. No. 40 Coal secs.? Yes
Analyses No. 5188, 5189, 5187, 1792

Examined by Ref.

Coal bed name: Local SHIPPING MINE
County Sangamon
Survey No. 5
Index No. 0317.46

K.—ACTIVE SHIPPING OR LOCAL COAL MINE.
Idle since 1924

MOORE'S MODERN METHODS

Location and Elevation Data

Location: Exact ~~Approximate~~

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

Location by W. B. Roe.

Date 4-29-31 Notebook No. 602 Page 25-224

Looseleaf ref.

Map files No. 12-83-13a

Description of location

Position in sec., ¼ sec., 40 acres

feet from North line

1100 ~~2750~~ feet from East line

700 ~~1500~~ feet from South line

feet from West line

NW ¼

Sec. 17

T. 17 N.

R. 4 W.

Other description:

Farm

No.

Company Union Fuel Co

No. 5

County No. ~~47~~ 59

Elevation 590.9 ft.

By W. B. Roe

Method: Level, transit, alidade, hand level Alidade

Elevation of Rail

Height of point above ground 0

Date 4-29-31 Notebook 602 P 25-224

Looseleaf ref.

Map files No. 12-83-13a

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

272 - R-R - Mine Note 5'8" N 5

SHIPPING MINE

County Sangamon Quadrangle Springfield Index No. 0317 F6

(45576—6M—10-30) 7

COAL MINE NOTES.

COUNTY Sangamon TOWN Williamsville MAP No. 0317

T. 17N R. 4W S. 17 NW 1/4. 0317

OPERATOR Williamsville Coal Co.

OFFICE Springfield. → Union Fuel Co #35

MINE Williamsville.

TIPPLE

ENGINES

BOILERS

DRUM

SHAFT 8'×16' CAGE Danville Automatic.

HAULAGE

CARS 2800 lbs.

VENTILATION

DRAINAGE

SPRINKLING

WORKING SYSTEM Panel.

MINING METHODS

Where roof is strong considerable trouble with squeeze. Some entries have been abandoned.

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 Shaker screen. RESCREENED

SIZES 4", 3", 2", 1¼", 3"

PER CENT

PROPORTION AND SIZE OF WASHED COAL

DAILY OUTPUT 1000 tons.

UTILIZATION

MARKETS Railroad.

FREIGHT RATES

SELLING PRICES AT MINE 0317 0317

COAL LAND OWNED LEASED HELD IN FEE

COST OF LAND OWNED LEASED HELD IN FEE

ADDITIONAL NOTES

COAL MINE NOTES.
CONTINUED.

0317

OPERATOR Williamsville Coal Co MINE Williamsville
ENTRANCE Shaft. NAME OF COAL BED #5
ELEVATION 590 THICKNESS OF COAL 68"
DEPTH TO FLOOR 272 MAX. MIN. AV.
ALTITUDE OF COAL 318
LOCATION OF SECTION 1st south entry on east side, Room 1 past 2nd W.

No.	SECTION.	In.
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
	Tape Total	

SECTION

	Feet
SAMPLE No.	
CAN No.	
CONDITION	
GROSS WEIGHT	
TIME EXPOSED	
NOT SHIPPED	
NOT INCLUDED	

PHYSICAL PROPERTIES BY NUMBERS

ROOF Black Shale 6" to 4½' Ls. 4" to 2'. Black slate generally stands well furnishing good roof.
FLOOR Fire clay 2½'+

DIP Slightly towards West and South.
Cleat nearly East and West.
FAULTS, ETC. Horse backs not numerous.

GAS

0317

COLLECTOR Savage REFERENCE UB 12. P63 DATE

MOORE'S MODERN METHODS

COAL MINING INVESTIGATION

Cooperative Agreement

Operator, Williamsville Coal Co. Date, 7-23 191 2

Mine, Shelbytown Located — miles* — from† Shelbytown

Location in mine, 9E N. off W (W. Side) 2nd Right

Total (vertical) depth from surface at point of sampling, 265 ft.

In describing the beds and character of the members, note any member that is rejected by the miner. Note all clay and sulphur partings, whatever their thickness. Exclude from sample all clay and sulphur partings $\frac{3}{8}$ inch thick or over (and even those of less thickness if they are rejected at mine or tipple).

Section of Bed at Point Sampled

No.	DESCRIPTION	Feet	Inches
1	Coal, Bright	2	2
X 2	Sulphur Streak		1/4
3	Coal Bright	2	2 1/2
X 4	Sulphur Streak		1/4
5	Coal Bright	1	~~2~~
6			
7			
8			
9			
10			
11	~~137~~		
12			
13	138	6	
14			
15		6	2
16	Output 1000 T		
17	Roof - Black Slate Floor - Fire Clay		
	Total,	5	7

Is coal wet or dry?

Time exposed, 38 hours, 45 minutes.

Weight, gross, net.

What are the impurities, and how do they occur? Sulphur Streaks

What are shipped? 1-3-5

What are excluded from the sample? 2-4

*Direction (N., NE., etc.). Coal bed,

†Nearest railway station.

Town, Shelbytown Mine, Shelbytown Co. Williamsville

Sample No. 5187 Can No. 35 No. 0317

I.—COAL SAMPLE SHEET. Sampler. Mac + Stafford

#5187

COAL MINING INVESTIGATION

COOPERATIVE AGREEMENT

Operator, Williamsville Coal Co. Date, 7-25 191 2

Mine, Shelby Town Located — miles* — from† Shelby town

Location in mine, 5th S. off E. (Entry face) 4000' from Shaft

Total (vertical) depth from surface at point of sampling, 26.5 ft.

In describing the beds and character of the members, note any member that is rejected by the miner. Note all clay and sulphur partings, whatever their thickness. Exclude from sample all clay and sulphur partings $\frac{3}{8}$ inch thick or over (and even those of less thickness if they are rejected at mine or tipple).

SECTION OF BED AT POINT SAMPLED

No.		DESCRIPTION	FEET	INCHES
1		Coal, Bright	2	9½
X	2	Sulphur Streak		¼
	3	Coal, Bright		3
X	4	Sulphur Streak		¼
	5	Coal, Dull	2	5
	6			
	7			
	8			
	9			
	10			
	11			
	12			
	13			
	14			
	15	Roof - Black Slate		
	16	Floor - Fire Clay		
	17	Output - 1000 T		
		TOTAL,	5	6

142 / 5 5 / 2

Is coal wet or dry? Dry

Time exposed, — hours, 45 minutes.

Weight, 35 gross, net.

What are the impurities, and how do they occur? Sulphur Streaks

What are shipped? 1-3-5

What are excluded from the sample? 2-4

*Direction (N., NE., etc.). Coal bed, 5

†Nearest railway station.

Town, Shelby Town Mine, Shelby Town Co. Williamsville Co.

Sample No. 40A Can No. 07 D 20 No. 0317

I.—COAL SAMPLE SHEET. Sampler. MacDonald Stafford.

#5188

MOORE'S MODERN METHODS

COAL MINING INVESTIGATION

Cooperative Agreement

Operator, Williamsville Coal Co. Date, 7-23 191

Mine, Shelbytown Located — miles* — from† Shelbytown

Location in mine 3 Pan face 3rd S. off W. (E side)

Total (vertical) depth from surface at point of sampling, 265 ft. (8500' from 8)

In describing the beds and character of the members, note any member that is rejected by the miner. Note all clay and sulphur partings, whatever their thickness. Exclude from sample all clay and sulphur partings ⅛ inch thick or over (and even those of less thickness if they are rejected at mine or tipple).

Section of Bed at Point Sampled

No.	DESCRIPTION	Feet	Inches
1	Coal, Bright	2	2
2	Sulphur Streak		1/8
3	Coal, Bright	2	
4	Sulphur Streak		1/8
5	Coal, Bright	1	
6			
7			
8			
9			
10			
11			
12			
13			
14			
15	Roof - Black Slate		
16	Floor - Fire clay		
17	Output - 1000 T		
	Total,	5	2 1/4

137

Is coal wet or dry? Dry

Time exposed, — hours, 50 minutes.

Weight, 40 gross, — net.

What are the impurities, and how do they occur? Sulphur Streaks

What are shipped? 1-2-3-4-5

What are excluded from the sample? —

*Direction (N., NE., etc.). Coal bed, #5

†Nearest railway station.

Town, Shelbytown Mine, Shelbytown Co. Williamsville Co.

Sample No. 4B Can No. 15, 16, 32 No. 40 0317

I.—COAL SAMPLE SHEET. Sampler. McDonald - Stafford

#5189

COAL MINING INVESTIGATIONS

Cooperative Agreement

Mine Name or No., Selbytown

mile from At Selbytown

Operator, 1912 Williamsville Coal Co.

Operator, 191

Entrance, Shaft. Elev., ft. { above, below, same as Electric station

Depth to bottom coal, 270 ft. Alt.

Surface Data.

A. Topography Flat See

B. Surficial materials, (1) Character

(2) Thickness, 170?± (3) Effect on mining and shaft-sinking, of former drainage lines, underground water strata, etc.

A 14' layer of soft muck and quick sand. 60' from surface considerable in sinking shaft. Occurs in both hoisting and air shaft

See

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,

Coal bed name: Local, 5 Survey 5

Collector, K.D. White State No.

Mine, Selbytown Co. Sangamon Co-op. No. 4

L.—SURFACE SHEET (Geol.)

UNDERGROUND DATA

F. Thickness of rock above bed worked,
(1) Important variations,

See

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

See

(1) Position,
(2) Character,
(3) Persistence,
(4) Other workable coal beds,

See

H. Cap rock, Limestone.
(1) Thickness, 6" to 2'
(2) Height above coal,

See #2, 3

I. Immediate roof Black Slate
(1) Thickness, 0' to 5 av. 2½-3' (2) Contact with coal,

(3) Horizontal variation,

See #2

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

(3) Persistence

K. Coal bed: Max. 6'-0" Min. 5'-6" Av. 5'-8" inches
(1) Benches, One bench
(a) Position,

(b) Persistence,

See

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

A few balls, lenses, and partings of sulphur.

See

(3) Irregularities in continuity of bed (due to deposition, erosion, or movement).
Slips of a foot or two, and clay veins See #1, 2, #4

(a) Effect on mining,

Require grading See

SECTION				
Ft.	In.	Name	Index	Sym.

Collector, K.D.W. Coal, 5 State No. 0317
Mine, Selbytown Co. Sangamon Co-op. No. 40

UNDERGROUND DATA (cont'd.)

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

(a) Relative hardness, Hard

(b) Lustre, Bright

(c) Fracture, Irregular

(d) Texture, Solid

See #3

(6) Impurities in coal, other than bedded,

(a) Kind, Sulphur near slips.

(b) Position and persistence, Irregular.

(c) Rejected, Yes

Ease of separation, Not loaded.

See

L. Floor: (1) Material Fire Clay.

(2) Thickness 3'+

(3) Variation Constant.

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

In sump clay is reported 9' thick with a thin seam of coal below it. The clay heaves badly in air and worse when wet.

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.

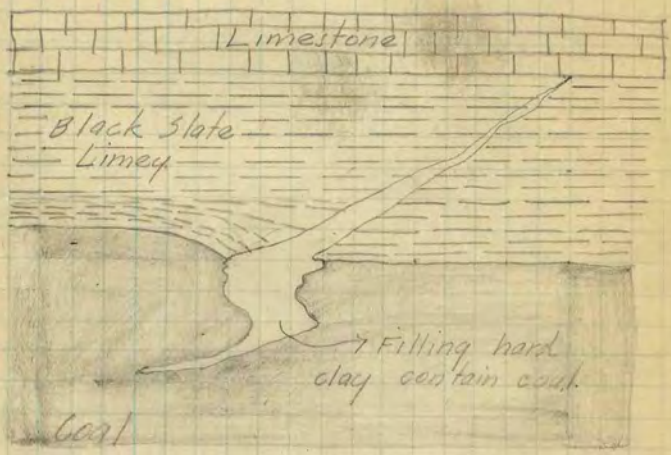
See

Collector, K.D.W Coal 5 State No. 0317

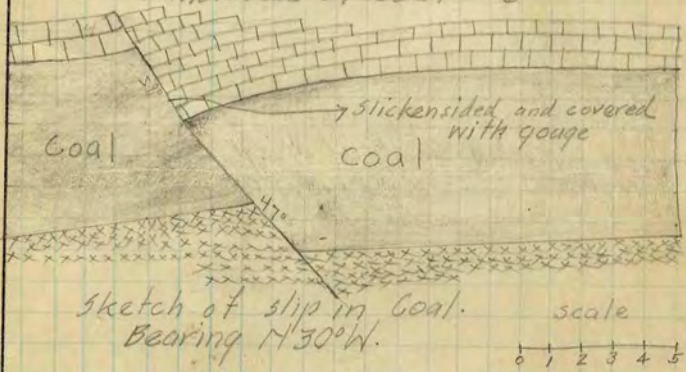
Mine, Selbytown Co. Sangamon Co-op. No. 40

N.—UNDERGROUND SHEET (Geol.)

INDEX



Sketch showing Clay Vein. Dying out after reaching 18" of the coal bed. Thickness of coal 54"



Sketch of slip in Coal. Bearing N 30° W.

scale 0 1 2 3 4 5

Note: clay is intruded in coal near slip, but in a general horizontal direction, and does not bear any noticable relation to the slip.

Considerable sulphur always occurs around slips. Surface of the break generally slickensided, and has calcite deposited along it.

Collector K.D. White
Mine Selbytown
X.—EXTRA SHEET No. 1

Coal 5
Co. Sangamon

State No. 0317
Co-op No. 40

INDEX

H It contains a few fossils and is always carbonaceous on contact with the black slate or coal

Sketch of Roll of Limestone in Coal.

H The contact of the limestone with the coal, is seperated by an inch or two of limey, very carbonaceous shale, containing coal streaks. The contact with either coal or black slate is never sharp.

I Black sheety slate, has fossil replaced by sulphur scattered thru it. The bottom 4" of the slate is very hard, it contains considerable lime and sulphur, this band is filled with shells.

The slate at times cuts out along joint planes, one bears N 55° E, another N 35° W

When the lower 4" (sulphur band) scales off, sooner or latter the slate will fall to the cap.

Where the slate is wet it is considerably harder to hold.

K_3 Clay veins are usually accompied by a displacement of the roof. The filling is a gray clay mixed with pieces of coal having sharp edges. The shape of the veins are irregular, and the coal bed in contact with the vein, has rounded rather than sharp edges at the contact.

Collector KOW | Coal 5 | ☐ State No. 0317
Mine Selby town | Co. Sangamon | Co-op No. 40
X.—EXTRA SHEET No. 2

INDEX

K5 Section - Room 2 - 3rd S W - East Side.

1. Roof sulphur band of black slate
2. Coal generally same in appearance thru out bed. Coal is hard, bright, and tough, fracture irregular. A few balls and lenses of sulphur as well as knife edge partings, occur irregularly but parallel to the bedding. Coal is solid only a few bands of coal occur. 5'-3"
3. Floor fire clay, between fire clay and coal a brownish black carbonaceous shale, a couple of inches thick.

Section Room 1 on Hole Road

1. Roof limestone
2. Carbonaceous Shale 1"
3. Coal hard, bright and tough. Glance coal in thick and thin bands up to 1" thick. Coal is not laminated, but shoots in good size blocks. Fracture irregular. Mother Coal generally solid though some partings are soft.
   Less glance coal occurs near the bottom and mother coal partings are softer.
   Thickness 5'-6"
4. Carbonaceous shale, a dark gray color, containing root impressions, and thin stringers of coal.

K5 Line of contact between coal and roof is generally fairly sharp.

Soapstone or gray shale occurs above cap rock was visable for 12' Caves 40' high are reported not to get thru it.

H Cap rock, a hard, grayish brown, slightly crystalline limestone. Its bottom is nobular and at times its horizon is a band of lime nodules. cont.

Collector KDW | Coal 5 | State No. 0317
Mine Selbytown | Co. Sangamon | Co-op No. 40
X.—EXTRA SHEET No. 3

INDEX

K3

Clay veins are present in the limestone at times though do not extend into black slate or coal.

General trend of clay veins are north and south.

Filling of veins a kind of fire clay more or less similar to the bottom.

Collector KDW | Coal 5 | ☐ State No. 0317

Mine Selby town | Co. Sangamon | Co-op No. 40

X.—EXTRA SHEET No. 4

Roof: Black shale 6in to 4½ ft. then Ls.- 4 in to 2 ft. The black slate generally stands well furnishing good roof.

Sangamon Co.
Union Fuel Co Mine # 5
NW¼, sec 17, T17N, R~~4~~W
5 Coal