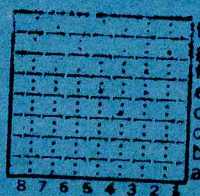
Wm. C. Schafer Coal Co.



Sec. 7 D 8

T. 19 N.

R. 11 E. W.

Index No.

County No = ~~[illegible]~~

MI #95

Location and Elevation Data

Location: Exact Approximate

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

Location by Mine Notes - K.D. White

Date 1912 Notebook No. Page

Looseleaf ref.

Map files No.

Description of Location

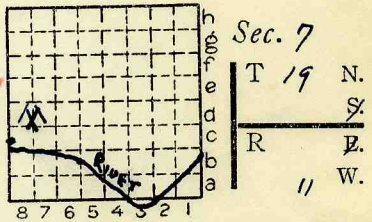
Position in sec., ¼ sec., 40 acres

..... feet from North line

..... feet from East line

..... feet from South line

..... feet from West line



Co-op #95

Other description: Av.
31' to bottom of 6' of #6 coal
Elev. of bottom 505 (KDW)
6' (Av.) of #7 coal 31' above #6
Measured section from Caprock through Coal in Mine Notes Book

Farm

No.

Company W.C. Schafer Coal Co.

No.

County No. ~~288~~

~~in tabulations~~

Elevation apparently too low

Elevation 536 ft.

By K.D.W. Estimate (in field?)

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.) Slope mine Abandoned

County Vermilion Quadrangle Danville 149 Index No. 1707 D8

P1

Location and Elevation Data

Location: Exact Approximate ✓

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

Location by Dept Mines Minerals

Date ..... Notebook No. ..... Page .....

Looseleaf ref. .....

Map files No. .....

Description of Location

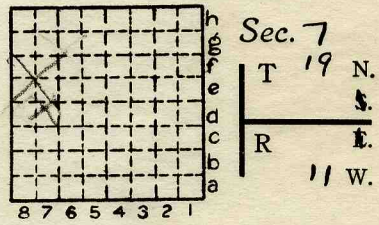
Position in sec., ¼ sec., 40 acres

.....feet from North line

.....feet from East line

.....feet from South line

.....feet from West line



Other description: .....

.....

Farm .....

No. .....

Company Schafer Coal Co.

.....

.....

No. .....

County No. 078

.....

Elevation ..... 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.) .....

LOCAL MINE

County Quadrangle Index No.

28294—5M—5-5-37

Vermilion Danville 1707

Mine originally operated by: (1)

Date 1898 Wm. Shaffer

Original name or number:

Illinois Coal Report p.

LATER OPERATORS

	Date	Operator	Name or No.
2	1899	Wm. C. Shaffer	
3	~~1901~~	Wm. Schafer	
4	1902	W.C. Shafer	#1
5	1904	———	, Shafer
6	1905	Wm.C. Shafer	#1
7	1909	Wm. Schafer & Sn.	
8	1910	Wm. C. Schafer 1914 — & Sn.	
9	IDLE 1916, 1917		
10	1918	Wm E Shafer (?)	
11	1919	W.C. Schafer (?)	
12	1920	A.G. Schafer (?)	
13	1921	Aug. G. Schafer (?) also	} which one?
14		Wm. Schafer (?)	}

*Also owners #See ownership sheet

Railroad, Wagon, Strip, Idle, Abandoned 1923

Slope Mine

IDENTIFICATION

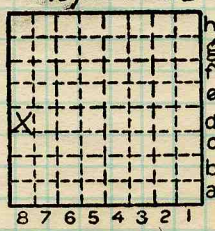
County No. ~~11~~

Coal No. □ 6

Coal Report No.

Quad. Danville

County Vermilion



Sec. 7

T. 19 N. S.

R. 11 E. W.

Index. No. 1707 D8

COAL MINE OPERATOR

(92753—1M—6-54) 2

Wm. Shaffer	1898	
Wm. C. Shaffer	1899	
Wm. Schafer	1901	
W. C. Shafer, #1	1902	
W. C. Shafer, Shafer	1904	
W. C. Shafer, #1	1905-1907	
idle	1908	
Wm. Schafer & Sn.	1910	
Wm. C. Schafer	1911	
Wm. C. Schafer & Sn.	1914	
idle 1915-1916-17		
?		
Wm. E. Shafer	1918	
W. C. Schafer	1919	
August G. Schafer	1920	
Wm. C. Schafter	1920, 1921, 1923	
idle	~~1907~~	
		production
Aug. G. Schafer	1921	4180
Wm. Schafer		3978
Wm. C. Schafer	1923	3983
Wm. C. Schafer		1640
Schafer Bros., #4	1924	2524
Schafer Broa., #5		1943
Shafer Bros. Coal Co.	1925	2331
Shafer Bros. Coal Co.		1781
Schafer Bros., #4	1926	3055
Schafer Bros., #5		1629
Shafer Bros., #4	1927	4933
Shafer Bros., #5		1748
Schafer Bros.	1928	2427
Shafer Bros.		1500
Schafer Bros., #5	1929	1845
Shafer Bros., #6		825
Schafer Bros.	1930	2747
W.E.-E.G.&A.G. Schafer	1931	1434
Schafer Bros. Coal Co.	1932	2814
Schafer Bros. Mine	1933	2968
Schafer Bros. Coal Co.	1934	2176

Schafer Bros. Coal Co.		1935	1728
Schafer Bros.		1936	2300
Schafer Bros.	L-26	1937	2293
Schaefer Bros. Coal Co.	L-26	1938	459
Schaefer Bros., #7	L-179	1938	660
Schaefer Bros., #7 Mine	L-179	1939	1543
Shafer Bros., #2	L-179	1940	1307
Schafer Bros. Coal Co.	L-179	1941	1600
Schafer Bros., #7	L-179	1942	2075
Shafer Bros. Coal Co.#7	L-179	1943	2823
Schafer Bros. Coal Co.#7	L-179	1944	540
Schafer Bros. Coal Co.#7	L-179	1945	356

(Sheets) COAL PRODUCTION (Sheet)

Period Mo.	Day	Year	Mo.	Day	Year	Tons
		1902				6940
		1903				6050
		1904				
		1905				
		1906				
		1907				
		1908				
		1909				
		1910				6000
		1911				6750
		1912				
		1913				8000
		1914				8700
		1915				
		1918				
		1919				
		1920				
		1921				
		1922				
		1923				

SUMMARIES

No.	to	No.	Tons
1902		1914	42440

Railroad, Wagon, Strip, Idle, Abandoned SLOPEMINE

Sec. 7

IDENTIFICATION

County No. ~~91~~

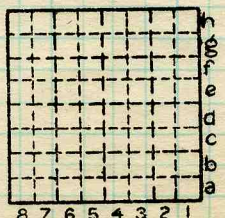
Coal No.

Coal Report No.

☐ 6

Quad. DANVILLE

County VERMILION



T. 19 N.

~~S.~~

R. 11 W.

~~E.~~

Index No. 170708

COAL MINE—PRODUCTION

ILLINOIS GEOLOGICAL SURVEY, URBANA

(2732—2M—7-41)

MOORE'S MODERN METHODS

Town, Danville
Local Authority,

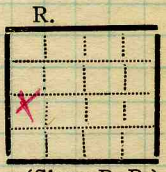
Level: Auth.,

Method,

R. R.,

Location: authority,

Surface alt., 536 ft.
Depth to coal, 25 ft.
Alt. top coal, 511 ft.
Thickness: Av. 72 in.
Max. in., Min. in.



(Show R. R.)

Operator | Mine Name or No.

19 Schafer W. C.

Successor to
Date
Succeeded by
Date
Succeeded by
Date

PRODUCTION.

19		U. S. No.

Geol. Notes? Coop. No. 95 Coal secs?
Analyses No. 4705-6-7-8

Examined by Ref.

Coal bed name: Local LOCAL MINE Survey No.
County Vermilion Index No. 1707.14

K.—~~ACTIVE SHIPPING~~ OR LOCAL COAL MINE.

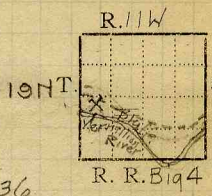
(9019-1M-7-18)

MOORE'S MODERN METHODS

COAL MINING INVESTIGATIONS

Cooperative Agreement

Mine Name or No., Local. Schafer.
1 mile West from Danville



Operator, 191

Operator, 1912 W.C. Schafer

#6

Entrance, Slope Elev., 94' ft. { ~~above~~, Elev 536 below, Jones Sta. on Elec RR, Overhead bridge 5' higher.
Depth to bottom coal, 31' ft. Alt. 505

Surface Data.

A. Topography Rugged, on Vermilion River. See

B. Surficial materials. (1) Character Soil and Glacial Drift. Drift-mostly small boulders, pebbles + sand, water worn, few large boulders.

(2) Thickness, 2'-15', Aver. 8' (3) Effect on mining and shaft-sinking, of former drainage lines, underground water strata, etc. No especial effect, Surface on which gravel was deposited. is some what irregular in the vicinity of mine.

See

C. Outcrops, #6 (1) ~~Character~~, at Low water mark in Vermilion See
(2) ~~Structure~~, River. #7 on, hill, side, above. 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,

Gray shale above #7 Coal is mined with steam shovels, just to the East, to manufacture brick. Coal #7 is then taken up when overburden is removed. Drift mined, washed + sand + gravel used. Shale beneath #7 not used.
#7 Coal bed carries considerable water.

See Sheet

Coal bed name: Local, Grape Creek Survey 6
Collector, K.P White State No. 1707
Mine, W.C. Schafer. Co. Vermilion Co-op. No. 95

L.—SURFACE SHEET (Geol.) [redacted] 4-23

MOORE'S MODERN METHODS

UNDERGROUND DATA

F. Thickness of rock above bed worked, approximately 76'
(1) Important variations, Considerable variations in thickness. See

G. Note presence of strata having important effect on mining.
18" of slightly wet sand 4' below surface, no effect. See
(1) Position,
(2) Character,
(3) Persistence,
(4) Other workable coal beds, Coal bed #7, 6' thick, 31' above #6 See

H. Cap rock, Dark gray Ls, nodular, weathers earthy
(1) Thickness, 3½' to 4'
(2) Height above coal, 6'

See

I. Immediate roof Grayish black dense shale
(1) Thickness, 18" (2) Contact with coal, yes.
(3) Horizontal variation, Lenticular, when absent 18" of cannel, reported, to replace it. Questionable See Sheet #1

J. Draw slate. (1) Thickness, — (2) Contacts —
(3) Persistence —

K. Coal bed: Max. 9'-0" Min. 18" Av. 6'-0" inches
(1) Benches, 2
(a) Position, Upper bench 3'-4" from top. Lower bench to floor.
(b) Persistence, Over Mine

See

(2) Bedded impurities, kind, position in benches, persistence, ease of separation. Blue band over entire mine, Several dirt and Sulphur bands of irregular vertical and horizontal extent. Both Coal, and clay bands, carry considerable sulphur.

See

(3) Irregularities in continuity of bed (due to deposition, erosion, or movement). Roof & Floor Roll. Floor rolls more than roof.
(a) Effect on mining, When roof rolls badly and cats coal below 5' cannot hold.

See

SECTION

Ft.	In.	Name	Index	Sym.
3' to 4'	6 to 0	L.S.	1	
to	6" 8"	Ls, Sh.		
3' to 4'	0" to 0"	Bk. Sh.		
1	6	Gr. Sh		
3	4"	Coal		
	1½	B.B		
3	5	Coal		
	4" to 6"			
6	11			

Collector, K.O. White Coal, 6 State No. 1707
Mine, W.C. Schafer Co. Vermilion Co-op. No. 95

M.—UNDERGROUND SHEET (Geol.)

UNDERGROUND DATA (cont'd.)

K. (5) Physical character of coal in benches, Coal in both benches about same

(a) Relative hardness, Coal near roof and floor the hardest. and very laminated.

(b) Lustre, Bright to dull

(c) Fracture, Irregular.

(d) Texture, Alternate layer, of tary and mother of Coal. See Sheet #1

(6) Impurities in coal, other than bedded,

(a) Kind, Sulphur lenses, dirt bands, and gypsum veins + slabs.

(b) Position and persistence, Sulphur both in Coal and in dirt bands, gypsum in coal; over entire mine.

(c) Rejected, Sulphur lenses + clay Ease of separation, Difficult to seperate sticks to coal See

L. Floor: (1) Material Fire Clay and gray shale.

(2) Thickness Clay 4" to 6", shale 4.

(3) Variation Constant over mine.

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

Fire Clay contains coal lenses, heaves readily as soon as wet. Mine is small so has no especial effect. would probably be troublesome in large mine. Below fire clay hard gray shale that does not heave. Shot off solid.

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. White Coal 6. #6 State No. 1707

Mine, H.C. Schafer. Co. Vermilion. Co-op. No. 95

INDEX

I

Section

1 Ls, dark gray, argillaceous, nodular	3½' to 4'
2 Calcareous Shale, light gray color	6" to 8"
3 Black very bituminous shale	3' to 4
4 Grayish black hard shale or cannel coal	18"

#3 has Clay seams thru it bearing N60°W and N30°E. #3 forms roof of part of mine being worked. When neither #3 or cannel coal are present it falls to Ls cap rock.

When roof rolls soas to cut coal below 5' it is generally bad and cannot be kept up. Roof generally very good.

K

Section of Coal Bed

1 Coal laminated fairly hard containing sulphur and dirt bands, and some gypsum veins. Tary bands irregular and numerous.	28"
2 Coal softer and more blocky and with less sulphur otherwise same as #1	12"
3 Blue Band containing pyrite balls	1½"
4 Lower bench, contains Clay + sulphur bands and pyrite balls, lower 10" harder and more laminated	41"

Tary layers give coal banded appearence.

Section at W. C. Schafer Mine.

#6 Coal vis. at low water in Vermilion river

Black Slate vis	2'	
Argillaceous Ls. Weathers rapidly, is nodular	3'	5
Brownish unconsolidated Shale	10'	15
Impure Coal	1'	16
Carbonaceous Shale.	4'	20
Danville Coal #7	6'	

Section at Brick Works East of Mine, "Open Cut,"

Soil + Earth	5±
Glacial Drift	2' to 8'
Gray Soft Shale Containing Ironstone Conc, general size 3" diameter, discoidal	20'
Carbonaceous Shale with Ironstone Conc.	2'-6"
Coal #7	6'-6"

Collector K D White
Mine W. C. Shafer
X.—EXTRA SHEET No. 1

Coal #6
Co. Vermilion

State No. 1707
Co-op No. 95

John C. Moore Corporation, Rochester, N. Y. Binder and holes in leaves, each Patented 1906. 162392

MOORE'S MODERN METHODS

COAL MINING INVESTIGATION

Cooperative Agreement

Operator, ~~Wm C Schafer~~ Date, Mar 4, 191 2

Mine, ~~Schafer~~ Located miles* from†

Location in mine, Room #2 (950 from Shaft) (7th Rt Entry)

Total (vertical) depth from surface at point of sampling, 114? 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	HARD BRIGHT COAL	2	11 1/4
2	SULPHUR STREAKS		1/2
3	HARD BRIGHT COAL		8 1/4
4	CLAY ROCK		2
5	HARD BRIGHT COAL	2	2 1/4
6	SULPHUR BAND		1/2
7	HARD BRIGHT COAL	1	0
8			
9			
10			
11			
12	Cover 114		
13	Roof Shale		
14	Flobr Clay		
15			
16			
17	J. M. Webb O B a b		
	Total,	7	1 3/4

Is coal wet or dry? dry

Time exposed, hours, minutes.

Weight, gross, net.

What are the impurities, and how do they occur?

What are shipped?

What are excluded from the sample?

Coal bed, Grape Creek (No 6)

*Direction (N., NE., etc.). †Nearest railway station.

Town, Danville Mine, Schafer Co. Vermilion

No. 95 1707

I.—COAL SAMPLE SHEET. Sampler. Webb

SAMPLE NO. 10B CAN NO. (g) 22451 (t) 5791 Pg4

#4707 (g) 22452 (t) 22433 " Urbana

MOORE'S MODERN METHODS

COAL MINING INVESTIGATION

Cooperative Agreement

Operator, Wm. C. Schafer Date, Mar 4, 191 2

Mine, Schafer Located miles* from†

Location in mine, Room #1 Right Entry, 800' from slope

Total (vertical) depth from surface at point of sampling, 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	Hard Bright Coal	1	2 1/4
X 2	Sulphur Bony		1 3/4
3	Hard Bright Coal	1	11 1/2
X 4	Clay Band		2
5	Hard Bright Coal	1	11
X 6	Sulphur Rock		1 1/2
7	Hard Bright Coal	1	4 3/4
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
	TOTAL,	8	3 1/4

J. M. Webb

10A

Is coal wet or dry? dry

Time exposed, hours, minutes.

Weight, 48 gross, net.

What are the impurities, and how do they occur?

What are shipped?

What are excluded from the sample?

Coal bed, Grape Creek (No 6)

*Direction (N., NE., etc.). †Nearest railway station.

Town, Danville Mine, Schafer Co. Vermilion

No.

I.—COAL SAMPLE SHEET. Sampler,

SAMPLE NO. 10A CAN NO. (a) 22420 (b) 22422 (c) 22614 (d) 22548

#4706

Pgh Urbana 3

Pgh Urbana

1707