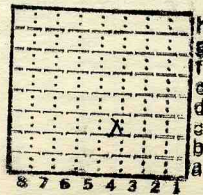


Greenfield M. C. in 1920
A.N. Poli Coal Co. in 1923

County No. = 113



Sec. 27

T. 11 N.

R. 10 W.

Index No.

MI # 389

0827 C4

Form 180

2945

Co. No. _____ County _____ Sec. _____ T. _____ R. _____ T.&R. _____

Company *A.N. Poli Coal Co.* No. _____ Farm _____ No. _____

Elev. *561.3'* of _____ by ~~_____~~^P Total depth _____ Year drld. *1923(?)*

For *C* Method *L* Result *A* Type log _____ Core desc. _____

Stripped _____ Analysis _____ Confd. _____ Publ. *Area 4 C-88*

Location *1775' from S line, 3280' from W line*

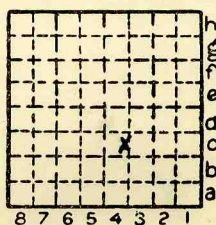
Core logged _____ by *map 4102 is. 1-87*

Remarks: *notebook #651 p. 25-157 (BCP)*

KEY BEDS

Code	Name	Depth	Thk.	Elev.

Correlations by _____ basis _____
 Date _____ Quad. *192*
 County *Greene* Co. No. *113*



Sec. *27*
 T. *11* N.
 R. *10* W.

0827-C4

Mine originally operated by: (1)

Date

1923 (?)

A.N. Pol: Coal Co.

Original name or number:

Illinois Coal Report p.

LATER OPERATORS

Date	Operator	Name or No.
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		

not shaft?

*Also owners

#See ownership sheet

Railroad, Wagon, Strip, Idle, Abandoned

Slope Mine

IDENTIFICATION

County No. 113

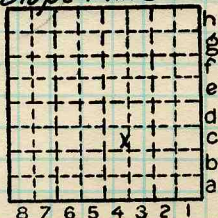
Coal No. 1924

Coal Report No. _____



Quad. 192

County Greene



Sec. 27

T. 11 N. B.

R. 10 E. W.

Index. No.

COAL MINE OPERATOR





(Sheets) COAL PRODUCTION (Sheet)

Period						Tons			
Mo.	Day	Year	Mo.	Day	Year				
					1923	6679			

SUMMARIES

No. to No.

Railroad, Wagon, Strip, Idle, Abandoned

Slope Mine

Sec. 27

IDENTIFICATION

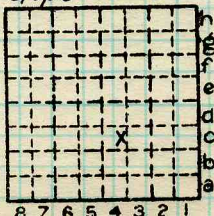
County No. 113

Coal No.

Coal Report No. _____

Quad. 192

County Greene



T. 11 N.
R. 10 W.
Index No.

0827 C4

COAL MINE—PRODUCTION

ILLINOIS GEOLOGICAL SURVEY, URBANA

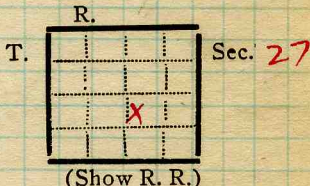


Town, *Greenfield*
Local Authority, *A. N. Poli, Supt*

Surface alt., *573±* ft.
Depth to coal, *55* ft.
Alt. top coal, *518* ft.
Thickness: Av. in.
Max. in., Min. in.

Level: Auth., *HEC*
Method, *A hevoid*

R. R., *Wagon*



Location: authority, *HEC*

Operator

Mine Name or No.

1922
19 *Greenfield Mining Co Greenfield*

Successor to
Date
Succeeded by
Date
Succeeded by
Date

PRODUCTION.

								U. S. No.
<i>19</i>		<i>100 car daily</i>			<i>no report</i>			<i>apparently local mine with 125' coal seam</i>

Geol. Notes? *Yes* Coop. No. Coal secs? *1*
Analyses No. *13799, 13800, 13801, 2750*

Examined by Ref.
Coal bed name: Local *Greenfield* Survey No.
County *Green* LOCAL MINE Index No. *0827.53*
K.-ACTIVE SHIPPING OR LOCAL COAL MINE.

County # *# 87* ✓



Operator, **Greenfield Mining Co.** Date **Dec. 27-1927**
 Mine, **Greenfield** Sec. **27** T. **11N** R. **10W**
 Location in mine, **N. Entry off Main W.**

GRAPHIC SECTION		DESCRIPTION OF SECTION (AT POINT SAMPLED)	
In.	No.	No. (Note character and thickness of roof)	Inches
		Soapstone roof	
	1	18" top coal left as roof	18
	2	1" Soft Gray Shale	1
	3	Coal	21
	4	Pyrite Lens	1 1/2
	5	Coal	1 1/2
	6	Blackjack lens	1
	7	Coal	4 1/2
	8	Pyrite lens	1/2
	9	Coal	15 3/4
		Dark Gray floor clay.	
		(Note character and thickness of floor)	
		Total thickness of coal.	64 3/4

Condition, **Moist** Time, **2 hr. 20 min.**
 Wt. Gross, **18 lbs.** Net, **4 lbs.**
 What Nos. shipped by Co.?

Excluded from sample: No. **1, 2, 4, 5, 6, 8.**
 Sample represents **41 1/4 in.** tons.

Impurities? How do they occur? **Calcite frac. fil. Pyrite lenses and stringers, blackjack lens.**

(1 division = 3 in.)

Sample No. **T-22-1** Can No. **60** Lab. No. **13799**
 Collector, **Thurston** Coal: Survey No.
 Mine, **Greenfield** Co. **Greene** Index No. **0827.53**



Operator, **Greenfield Mining Co.** Date
 Mine, **Greenfield** Sec. **27** T11N R.10W
 Location in mine, **1st N. off 2nd W.**

GRAPHIC SECTION		DESCRIPTION OF SECTION (AT POINT SAMPLED)	
In.	No.	No. (Note character and thickness of roof)	Inches
		Soapstone	
	1	Roof coal	18
	2	Coal	13
	3	Shale and pyrite band (excl.)	1/4
	4	Coal	5
	5	Pyrite lens (excl.)	1
	6	Coal	18
	7	Pyrite lens	1/8
	8	Coal	6 1/4
	9	Pyrite lens (excl.)	3/8
	10	Coal	33 1/2
		Dark gray floor clay	7 7
		(Note character and thickness of floor)	95 1/2
		Total thickness of coal.	
		Condition, Moist	Time, 2 hr. 15 min.
		Wt. Gross, 30 lbs.	Net, lbs.
		What Nos. shipped by Co.?	
		Excluded from sample: No. 1, 3, 5, 9	
		Sample represents 75 7/8 in. tons.	
		Impurities? How do they occur? Facings, Shale	
(1 division = 3 in.)		and Pyrite lenses and bands.	

Sample No. **T-22-2** Can No. **46** Lab. No. **13800**

Collector, **Thurston** Coal: Survey No.

Mine, **Greenfield** Co. **Greene** Index No. **0827.53**

R.—COAL SAMPLE SHEET. *County No. 2787*



Operator, **Greenfield Mining Co.** Date _____
 Mine, **Greenfield** Sec. **27** T. **11N** R. **10W**
 Location in mine, **N.E.**

GRAPHIC SECTION		DESCRIPTION OF SECTION (AT POINT SAMPLED)	
In.	No.	No. (Note character and thickness of roof)	Inches
	1	Coal left as roof	7?
	2	Charcoal and pyrite band	1/4
	3	Coal	11
	4	Shale	4
	5	Dirty coal	4
	6	Shale	3/4
	7	Coal	11 1/2
	8	Charcoal & Pyrite lens	1
	9	Coal	10 1/2
	10	Shale	3/4
	11	Coal	1/2
	12	Pyrite lens	1/2
	13	Coal	29 3/4
(Note character and thickness of floor)			
Total thickness of coal.			74 1/2
Condition, Moist		Time, 2 hr. 5 min.	
Wt. Gross, 25 lbs.		Net, 4 lbs.	
What Nos. shipped by Co.?			
Excluded from sample: No 1, 2, 4, 5, 6, 8, 10, 12			
Sample represents 63 1/4 in. tons.			
Impurities? How do they occur? Facings, Shale and pyrite bands and lenses, pyrite stringers.			

(1 division = 3 in.)

Sample No. **T-22-3** Can No. _____ Lab. No. **13801**

Collector, **Thurston** Co. **Greene** Coal: Survey No.

Mine, **Greenfield** Index No. **0827.53**

See
Extra
Sheet
No.

Entrance *shaft*
 Kind of tippie *wood*
 Motive power for hoist *steam*
 Source if electrical
 Kind of hoist (cage, skip, etc.) *cage - 1 car*
 Kind of haulage *mule man*
 Mining equipment
 Note any features of the equipment that are of special interest

SURFACE DATA.

- A. Topography, *rough - shaft in valley of 60' relief*
 B. Surficial materials, (1) Character, *till*
 (2) Thickness, *60±* (3) Effect on mining and shaft-sinking, of former drainage lines, underground water strata, etc.

Some water along slips in roof - not bad. Well put down north of shaft draws 20% of mine water

- C. Outcrops, (1) Character, *stream bed - banks below mine*
 (2) Structure, *wrapped into syncline - axis thru mine??*
 (3) Fossil horizons, *none noted*
 Collection No.,
 (4) Evidences of subsidence,
 D. Note collection of mine maps, drill records and shaft logs.

See drill record sheet,

- E. Notes on surrounding area,

*Heavy drift cover conceals most of the bed rock
 Creek just north of shaft shows shallow sections down
 stream for $\frac{1}{2}$ ± mile.*

Coal bed name: Local,

Survey No. Collector, *Culver*Mine, *Poli - Greenfield*Co. *Greene*Index No. *0827.53*

L.—SURFACE SHEET (Geol.)

Geology 87



F. Thickness of rock above bed worked, 10 feet

(1) Important variations, none
shale under lies under the hill to the W. See X1

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

See

- (1) Position, over "soapstone" roof
- (2) Character, lies, modular
- (3) Persistence, everywhere
- (4) Other workable coal beds none known

See

H. Cap rock, lies

- (1) Thickness, 4'-5'
- (2) Height above coal, 4'-5'

See

I. Immediate roof, "soapstone" - mass. lt gray shale

(1) Thickness, 4'-5' (2) Contact with coal, uneven

(3) Horizontal variation, not noted

See

J. Draw slate, (1) Thickness, 1-12 (2) Contacts uneven

(3) Persistence, only at "slips" See X1

K. Coal bed: Max. 97. Min. 48 Av. 72 inches

(1) Benches, 4 see Q

(a) Position, 2 in top 24"
2 in bottom 60"

(b) Persistence, practically uniform

See X1

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

"4" ply" above 2 lower benches is a bone band which is easily separated and gobbed. This is not always done.

See

(3) Irregularities in bed (due to deposition, erosion, or movement), one slip near shaft.

See

(a) Effect on mining, weakens roof + lots in water

See X1

SECTION		
Name	Ft.	In. Sym.
surface (gray till)	40	X
lies, mod.	4	8
sh. lt gray	5	0
Coal	6	
clay lt gray	13	
plastic rptd.		

Collector, Culver

Coal: Survey No.

Mine, Greenfield Co. Greene

Index No.

0827-53

M.—UNDERGROUND SHEET (Geol. County No. #87)



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

- (a) Relative hardness, "top coal best"
- (b) Lustre, all about the same, little glaucous
- (c) Fracture,
- (d) Texture, no cleat noted See
- (6) Impurities in coal, other than bedded,
- (a) Kind, facings of S + Gypsum.
- (b) Position and persistence,
- (c) Rejected, Ease of separation, See

L. Floor:

- (1) Material, clay
- (2) Thickness, 13' + not penetrated
- (3) Variation, none known.

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

dry - no heaving - plastic when wet. good mining floor tho somewhat uneven.

(5) Clay sample No. Location, See

M. Stratigraphy,

(1) Fossiliferous horizons underground,

Collection No. Location,

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

See

Collector, *Enver*
 Mine, *Greenfield*

Co. *Greene*

Coal: Survey No.
 Index No. *0827-53*

N.—UNDERGROUND SHEET (Geol.) *# 877*
County No.

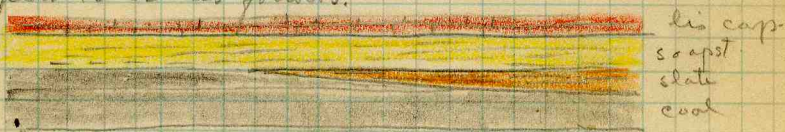


INDEX

(36713-500-7-20)

F₁ This shale over the li is not seen - was rptd by Mr. Polk's pit boss.

J. The blk st. comes in over the coal only where the slips are encountered. Relations not clear, but appear to be as follows:

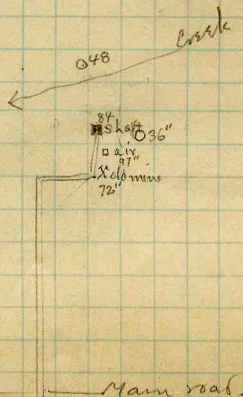


The upper part of the "boom" or top coal is cut out where the slate comes in. No lateral gradation betw. top coal and slate is seen, altho' the exposures are not good - only 2 places could be visited.

Coal may grade laterally into slate and the slips at these places may be due to differential settling in main coal and coal slate sections. The li is not affected by the slips apparently, altho' considerable water comes in at slips and not elsewhere, suggesting a fractured cap rock.

K₃ see notes on slips above.

K₁ Thickness variable - mine appears to lie in a basin which trends a little N of W. Thicknesses are reported as follows:



Collector

Cubozz, No. #87
County, No.

Index No.

0827.53

X- /

EXTRA NO. /

County

Greene



Symbol	Description	Inches
(1 division = 3 in.)	Section SW of shaft. ca 150 ft.	
	top coal - not removed, thickens out	108
	parting of S coal with S. charcoal ptg $\frac{1}{16}$	$\frac{1}{8}$ 11
	shale, sandy coal, bony, (the "4 inch ply") shale	1 4 $\frac{1}{2}$
	coal mostly bright with lenses up to $\frac{1}{4}$ " of blk jack, S. or charcoal	23
	parting, shale + S. + bone (local "BB") $\frac{1}{8}$ " to 1"	1
	coal, mostly dull - little glance	37 $\frac{1}{2}$
	bone coal and sh.	1 $\frac{1}{2}$
	clay	79 $\frac{5}{8}$ 18
	total clay 13"	top coal sub total 97 $\frac{5}{8}$

Collector, *Culver*
 Mine, *Greenfield* Co. *Greene*
 Q.—COAL SECTION SHEET
 County No. *#87*

Coal: Survey No.
 Index No. 0827-53



Symbol Description Inches

(1 division = 3 in.)



section 300' NW of bottom

Top coal not removed and thickness not known.

18

4" clay - bone coal

4

coal

24

shale ptg. "BB"

1

coal

29

bone bottom under clay

1

Collector, Culver
Mine, Greenfield

Co. Greene

Coal: Survey No.

Index No. 0827.53

Q.—COAL SECTION SHEET, County No. # 87

ILLINOIS STATE GEOLOGICAL SURVEY
URBANA

COUNTY GREENE

SECTIONS 27

T. 11N, R. 10W

1000 ft = 1 in.

