

Log in USGS Folio-188
page 4

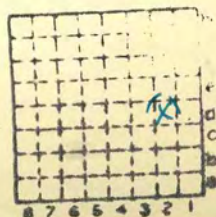
~~4~~
3₁₀₉₃

ACCORDING TO
M-D MAPS R.B. 12-76

Panther Creek #

~~36~~

mi, # 120 Panther Creek # 3



Sec. 19

T. 16 N. 3.

R. 5 E. W.

Index No.



Mine originally operated by: (1)

Date 1906

Spring Creek Coal Co.
Springfield.

Original name or number:

Illinois Coal Report

p.

LATER OPERATORS

Date

Operator

Name or No.

2 1927. Panther Creek Coal Co. 3.

3 1932 Dale

4
5

6

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12

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contradicted
below

Plat sheet #1

* Also owners

See ownership sheet

Railroad, Wagon, Idle, Abandoned

Shaft 1774

SHIPPING MINE

IDENTIFICATION

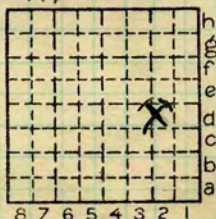
County No. 36

Coal No. 5

Quad. 158

Part 9

County Sangamon



Sec. 19

T. 16 N.

R. 5 W.

Index No.

0919 02

COAL MINE OPERATOR



Town, *Springfield*
 Local Authority,
John Strabel Supt.
 Level: Auth.,

Surface alt., *549.9* ft.
 Depth to coal, *167.1* ft.
 Alt. top coal, *382.91* ft.
 Thickness: Av. *66* in.
 Max. *72* in., Min. *60* in.

Method, *Topog. map.*

R. R.,
B & O
 Location: authority, *Mine map.*



(Show R. R.)

Operator

Mine Name or No.

1921 Spring Creek Coal Co No. 1

Successor to

Date

Succeeded by

Date

Succeeded by

Date

PRODUCTION.

							U. S. No.
<i>1921</i>	<i>1460 tons</i>						
<i>Dawson & Schrader</i>							

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

Analyses No. *81452-3-4-5*

Examined by *Netzband & Thurston* Ref. *Loose leaf*

Coal bed name: Local **SHIPPING MINE** Survey No. *5*

County *Sangamon* Index No. *0919.84*

K.-ACTIVE SHIPPING OR LOCAL COAL MINE.

D-2

Mine Name or No., *Spring Creek*
3 mile *NW* from *Springfield*
 Operator, 191*7* *Spring Creek Coal Co.*
 (*Panther Creek No 3*)
 Operator, 191



Entrance, *shaft* Elev., *538* ft. $\left\{ \begin{array}{l} \text{above,} \\ \text{below,} \end{array} \right.$
 Depth to ~~bottom~~ coal, *167-1*" ft. Alt. *371*

SURFACE DATA.

- A. Topography, *Flat* See
- B. Surficial materials. (1) Character, *Till*
- (2) Thickness, *5-6'* (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.
Log of hoist & escapement shaft.

See drill record sheet,

E. Notes on surrounding area,

See

Coal bed name: Local, Survey No. *5*

Collector, *Netzeband*

Mine, *Spring Creek* Co. *Sangamon* Index No. *0919-84*

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

(a) Relative hardness, *About same as rest of Springfield district.*

(b) Lustre, *Upper 1/4 with faint "bright layers, rest dull bright 1/2 - 1/4"*

(c) Fracture, *Hackly*

(d) Texture, *Laminated* See

(6) Impurities in coal, other than bedded,

(a) Kind, *Pyrite lenses* *Gypsum* *oolite* *inf. very few*

(b) Position and persistence, *Throught coal vertically & laterally*

(c) Rejected, *Large lenses* Ease of separation, *Sticks to coal.* See

L. Floor: (1) Material, *Floor clay* 15. below

(2) Thickness, *18"*

(3) Variation, *Variation in thickness unknown.*

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

Soft, medium grey clay; not much trouble with heaves except for one squeeze; shoot from the solid; value unknown.

See

(5) Clay sample No. Location,

M. Stratigraphy,

(1) Fossiliferous horizons underground, *Black roof shale.*

Collection No. Location,

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

See

Collector, *Notzoband* Coal: Survey No. *5*
Mine, *Spring Creek #1* Co. *Sangamon* Index No. *0919.84*
N.—UNDERGROUND SHEET (Geol.)



73

The roof of this mine is usually the black shale immediately overlying the coal, called "slate" by the miners. This is from 2 1/2" to 5" in thickness. Generally, this makes a fair roof, requiring timbering but locally the roof is bad, hard to hold. This occurs where there are slips in the shale.

H

Above this shale is Limestone from 6" to 3' in thickness, compact, gray. It lies on an uneven lower contact. The upper contact appears to be uneven from what we could observe. If this is true, the ls was deposited on an erosional surface and then uplifted and eroded before the shale above it was laid down.

Above the ls is a gray shale. The log of the shaft will tell its thickness.



Operator, *Spring Creek Coal Co* Date *Sept. 9, 1921*
 Mine, *Spring Creek* Sec. *19* T. *16N* R. *5W*
 Location in mine, *Room 6th E off Main N*

GRAPHIC SECTION		DESCRIPTION OF SECTION (AT POINT SAMPLED)	
In.	No.	No. (Note character and thickness of roof)	Inches
		1 shale app 4'	
		1 coal	2
		2 charcoal lens	1/2
		3 coal	23 1/2
		4 pyrite band	1/8
		5 coal	39 3/4
		(Note character and thickness of floor)	
		Total thickness of coal.	66 7/8
Condition, <i>Dry Fresh</i> Time, <i>3</i> hr. — min. <i>10:40</i>			
Wt. Gross, <i>30</i> lbs. Net, <i>4</i> lbs.			
What Nos. shipped by Co.?			
Excluded from sample: No. <i>None</i>			
Sample represents <i>66 7/8</i> in. tons.			
Impurities? How do they occur?			

(1 division = 3 in.)

Sample No. *N-21-149* Can No. *05753* Lab. No. *21452*
 Collector, *Natza Band* Coal: Survey No. *5*
 Mine, *Spring Creek #1* Co. *Sangamon* Index No. *0919.84*

Operator, *Spring Creek Coal Co* Date *Sept. 9, 1921*
 Mine, *Spring Creek #1* Sec. *19* T. *16N* R. *5W*
 Location in mine, *2nd E off 14th S off Main E*

GRAPHIC SECTION		DESCRIPTION OF SECTION (AT POINT SAMPLED)	
In.	No.	No. (Note character and thickness of roof)	Inches
		1 Limestone 4" to 4'	
		2 shale app. 3'	
		1 Coal	9 3/4
		2 Charcoal band	1/8
		3 coal	16
		4 pyrite lens	1/16
		5 coal	2
		6 pyrite lens	1/16
		7 coal	2
		8 pyrite lens	1/16
		9 coal	34 1/2
		<i>Top 34 1/2</i>	
		(Note character and thickness of floor)	
		Total thickness of coal.	64 7/16
		Condition, <i>Dry</i> Time, <i>3 hr. 52 min.</i>	<i>12 72</i> <i>9/20</i>
		Wt. Gross, <i>23</i> lbs. Net, lbs.	
		What Nos. shipped by Co.?	
		Excluded from sample: No. <i>None</i>	
		Sample represents <i>64 7/16</i> in. tons.	
		Impurities? How do they occur?	

(1 division = 3 in.)

Sample No. *N-21-148* Can No. *06134* Lab. No. *81453*
 Collector, *Netzeband* Coal: Survey No.
 Mine, *Spring Creek #1* Co. *Sangamon* Index No. *0919.84*

Operator, *Spring Creek Coal Co.* Date *Sept. 9, 1921*
 Mine, *Spring Creek* Sec. *19* T. *16N* R. *5W*
 Location in mine, *3 W. Entry off Main 3*

GRAPHIC SECTION		DESCRIPTION OF SECTION (AT POINT SAMPLED)	
In.	No.	No.	(Note character and thickness of roof) Inches
			<i>Black shale roof</i>
		<i>1</i>	<i>Coal</i> <i>9</i>
		<i>2</i>	<i>pyrite lens</i> <i>1/2</i>
		<i>3</i>	<i>Coal</i> <i>4 1/2</i>
		<i>4</i>	<i>pyrite lens</i> <i>1/2</i>
		<i>5</i>	<i>Coal</i> <i>1 1/2</i>
			<i>Tap 68 1/4</i>
			(Note character and thickness of floor)
			Total thickness of coal. <i>68</i>
			Condition, <i>Damp, fresh</i> Time, <i>2</i> hr. <i>26</i> min. <i>13:40</i>
			Wt. Gross, <i>50</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-21-150* Can No. *00735* Lab. No. *81454*
 Collector, *Netzeland* Coal: Survey No.
 Mine, *Spring Creek #1* Co. *Sangamon* Index No. *0919.84*

Feet from	Feet to	Thickness	Material
0	1	1	Clay
1	5	4	Sand shale
5	7	2	Sand rock
7	19'3"	12'3"	Sand shale
19'3"	21'3"	2	Soapstone
21'3"	26'3"	5	Blue sh.
26'3"	68'3"	42	Dark sh.
68'3"	76'3"	8	Soapstone
76'3"	76'7"	4"	Limestone
76'7"	78'10"	2'3"	Black slate
78'10"	79'	2"	Coal
79	84'3"	5'3"	Fire clay
84'3"	87'3"	3	Dark blue sh.
87'3"	97'3"	10	Red sh.
97'3"	100'3"	3	Fire clay
100'3"	102'3"	2	Hard ls.
102'3"	107'3"	5	Sandstone
107'3"	109'3"	2	Black slate
109'3"	112'3"	3	Fire clay
112'3"	122'3"	10	Limestone
122'3"	126'3"	4	Dark soapstone
126'3"	126'7"	4"	Coal
126'7"	132'7"	6	Fire clay
132'7"	158	25'5"	Grey sandstone
158	163'7"	5'7"	Soapstone
163'7"	164'3"	8"	Limestone
164'3"	167'1"	2'10"	Black slate
167'1"	173	5'11"	Coal

Log of Hoisting Shaft
Spring Creek Coal Co.

(54389-2M)

TOWN
COMPANY
FARM
AUTHORITY
ELEVATION
COLLECTOR

TOWNSHIP

Spring Creek Coal Co.

MAP No.



HOLE No. Escapment Shaft.
DATE DRILLED

No.	STRATA	THICKNESS		DEPTH	
		FEET	IN.	FEET	IN.
	Clay	6		6	
	Sand shale	7		13	
	Blue shale	44		57	
	Soapstone	11		68	
	Coal		4	68	4
	Fire clay	9		77	4
	Soapstone	5		82	4
	Red sh.	10		92	4
	Blue sh.	4		96	4
	Grey sh.	6		102	4
	Fire clay	6		108	4
	Limestone	10		118	4
	Blue sh.	6		124	4
	Coal	1		125	4
	Fire clay	6	8	132	
	Limestone	7		139	
	Sand shale	20		159	
	Soapstone	7		166	
	Limestone	1		167	
	Slate	4		171	
	Coal (#5)	6		177	

County Sangamon

Index No. 0919.84