



Mine originally operated by: (1)

Date
1906

Smith-Lohr Coal Co.

Original name or number:

Illinois Coal Report p.

Pana

LATER OPERATORS

Date

Operator

Name or No.

1923
1916

Springside Coal Co.

3

4

5

6

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11

12

13

14

*Also owners

#See ownership sheet

SHAFT
720'

Railroad, Wagon, Strip, Idle, Abandoned

IDENTIFICATION
ABD 1925
7'6"

County No. _____

Coal No. _____

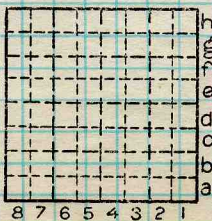
Coal Report No. _____

6

Quad.

County

CHRISTIAN



Sec.

T.

R.

Index No.

N.
S.

E.
W.

COAL MINE OPERATOR



Town, **Pana**
Local Authority,

Surface alt., **679.0** ft.
Depth to coal, **720** ft.
Alt. top coal, **-41** ft.
Thickness: Av. **87** in.
Max. **144** in., Min. **72** in.

Level: Auth., **J. S. Young**

Method, **Planetable 1929**

R. R., **9C. Cr E. 9., CCC + St. L.**
B + 0' SW.



Location: authority, **Smith Lohr Coal M'g Co.**

(Show R. R.)

'26 Idle since Jan 25 Mine for sale - letter from Schuyler
Operator **Gen. C. Bull # 66** Mine Name or No.

19 **06-1923** **Smith Lohr Coal Mining Co.**

Springside
Smith Lohr

Successor to

Date

Succeeded by

H. N. Schuyler, Pana, Ill.
Date **1925 (Coal Catalog)**

Succeeded by

Springside Coal Co

Smith Lohr
Pana

Date **1946 1923**

PRODUCTION.

							U. S. No.
19 21		1200 T, av. daily					

Geol. Notes? **Yes** Coop. No.

Coal secs.?

Analyses No. **84138-7-40-41; 25748-9-50-1**
26336-7

GEN'L COAL REPT. 66

Examined by **Neizeband**

Ref. **66**

Coal bed name: Local **SHIPPING MINE**

Survey No. **6**

County **Christian**

Index No. **1715a55**

K. ~~ASBESTE~~ **SHIPPING OR LOCAL COAL MINE.** **Abd**

County # **66**

0



8441

(5529-500) John O. Moore Corporation, Rochester, N. Y. Binder and holes in leaves, each Patented 1908

2

Mine Name or No. *Smith Lohr* Mine Address *Pana*

Operator *Smith Lohr Coal Mining Co.*

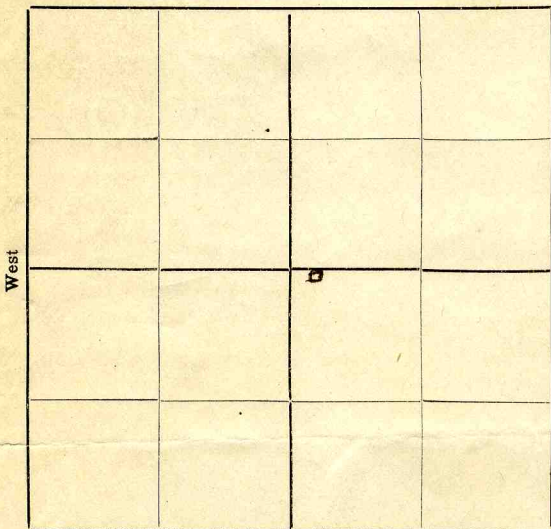
Main Office Address *Pana Illinois*

Location of Mine:
Township Name *Pana* County *Christian*

Section No. *15* Township *11* Range *1* E W

Indicate location of mine and position of R. R. in plat of section below.

North



Kindly state number of feet from ~~center~~ section lines:

Half
Adjoining from N. line
..... from E. line
..... from S. line
200 ft from W. line

Idle entire year 19 *20* Yes No
Abandoned (date) 19.....

MN 1921-1923
SHIPPING MINE

Surface landing is..... feet above sea level or about..... feet (above)

(below) railroad station at *Pana*..... (nearest town).

Depth to top of coal is *720* feet.

Average thickness of coal is *7* feet *6* inches.

Do not fill in below this line.

Coal Bed Name.....

Survey No.....

County *Christian*.....

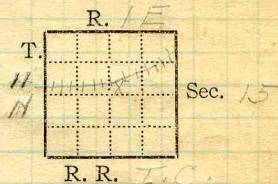
Index No. *1715a*.....

V—MINE LOCATION SHEET.

County #66



Mine Name or No., *No. 1*
 mile from
 Operator, 1911 *Smith-Lohr Coal Co.*
 Operator, 191



Entrance, *shaft* Elev., ft. $\left\{ \begin{array}{l} \text{above,} \\ \text{below,} \end{array} \right.$
 Depth to ~~bottom~~ coal, *733* ft. Alt.
 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.

- 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.

Hy. Bertin, No. 1, Penn Coal Co. for log of shaft.
 See drill record sheet,

- E. Notes on surrounding area,

See
 Coal bed name: Local, Survey No. *6*
 Collector, *Natza band*
 Mine, *Smith-Lohr #1* Co. *Christian* Index No. *1715.55*
 L.—SURFACE SHEET (Geol.)



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

- (a) Relative hardness, *Bottom coal very hard, rest about same as Montgomery County coal*
- (b) Lustre, *Upper & lower coal bright & glance, middle dull with bright*
- (c) Fracture, *Blocky*
- (d) Texture, *Laminated Cleat not well developed* See
- (6) Impurities in coal, other than bedded, *Pyrite lenses & bands,*
- (a) Kind,
- (b) Position and persistence, *Through coal vertically & laterally.*
- (c) Rejected, *Lenses above 1/4"* Ease of separation,

See

L. Floor: (1) Material, *Floor clay*(2) Thickness, *6"-14"*(3) Variation, *None other than thickness.*(4) Note character, condition, tendency to heave, relation to undercutting commercial value. *Dark grey, hard shale.*

Do not undercut; all pick work, cutting out blueband & then shooting coal above.

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, *Notzebund*Coal: Survey No. *6* Mine, *Smith-Lehr #1*Co. *Christian*Index No. *1715.55*

N.—UNDERGROUND SHEET (Geol.)



INDEX

I₃ The roof is a black shale varying in thickness from a featheredge to 16'. Above this is a crumbly, dark grey shale varying from a featheredge to 18". Where this sh. occurs the contact with the overlying lis. is not so irregular. The black sh. has many small slips (slickensided surfaces.)

I₃ In the 7th E off the Main N. there is from 1' to 5' of black sh. grading to grey above with no soft, crumbly sh. separating it from the overlying lis.

K₃ In a roll with several slips were a few grey sh. lenses about 14" thick

G The sh. being full of slips makes a very bad roof, requiring heavy timbering

In the S the black sh. increases from 2½' at the parting to 10' in the 18th N on the S. side of the mine.

Collector Thurston

Mine Smith-Lohrth Co. Christian

Coal: Survey No. 6

Index No. 171555

X.—EXTRA SHEET No.



Operator, *Smith-Lohr Coal Co.* Date *Aug. 23, 1921*
 Mine, *No. 1* Sec. *15* T. *11N* R. *1E*
 Location in mine, *Room 2, 5th S, 7th E, N. side of mine*

GRAPHIC SECTION		DESCRIPTION OF SECTION (AT POINT SAMPLED)	
In.	No.	No.	(Note character and thickness of roof) Inches
			<i>Black shale.</i>
		<i>1</i>	<i>Coal 21</i>
		<i>2</i>	<i>Pyrite lens 1/8</i>
		<i>3</i>	<i>Coal 6</i>
		<i>4</i>	<i>Pyrite band 1/8</i>
		<i>5</i>	<i>Coal 1 1/4</i>
		<i>6</i>	<i>Charcoal lens 1 1/4</i>
		<i>7</i>	<i>Coal 10 3/4</i>
		<i>8</i>	<i>Charcoal lens 3/4</i>
		<i>9</i>	<i>Coal 22 1/4</i>
		<i>10</i>	<i>Charcoal & bone coal 1 1/2</i>
		<i>11</i>	<i>Coal 2 3/4</i>
		<i>12</i>	<i>Soft grey shale } B.B. 1</i>
		<i>13</i>	<i>Coal } 2 1/2</i>
		<i>14</i>	<i>Charcoal } 3/4</i>
		<i>15</i>	<i>Coal 9 3/4</i>
			<i>Flour clay</i>
			<i>Tap. 92"</i>
			(Note character and thickness of floor)
			Total thickness of coal. <i>91 1/2</i>
			(= 4' 9 1/2")
		Condition, <i>Dry, fresh.</i>	Time, <i>5</i> hr. <i>32</i> min. <i>130</i>
		Wt. Gross, <i>32</i> lbs.	Net, lbs. <i>21.55</i>
		What Nos. shipped by Co.?	
		Excluded from sample: No. <i>12, 13, 14</i>	
		Sample represents <i>87 1/4</i> in.	tons.
		Impurities? How do they occur?	

(1 division = 3 in.)

Sample No. *F-21-25* Can No. *21101* Lab. No. *81138*
 Collector, *Thurston* Coal: Survey No. *6*
 Mine, *Smith-Lohr #1* Co. *Christian* Index No. *1715.55*
R.—COAL SAMPLE SHEET.



Operator, *Smith-Lohr Coal Co.* Date *Aug. 23, 1921*
 Mine, *No. 1* Sec. *15* T. *11 N R. 1E*
 Location in mine, *Room 1, 22nd W., N. side of mine*

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>19 1/4</i>
		<i>2 Pyrite band</i>	<i>1/4</i>
		<i>3 Coal</i>	<i>17 1/4</i>
		<i>4 Charcoal & pyrite</i>	<i>1/4</i>
		<i>5 Coal</i>	<i>4 1/2</i>
		<i>6 Pyrite</i>	<i>1/8</i>
		<i>7 Coal</i>	<i>11 1/4</i>
		<i>8 Pyrite lens</i>	<i>1/4</i>
		<i>9 Coal</i>	<i>14 3/4</i>
		<i>10 Charcoal</i>	<i>3/4</i>
		<i>11 Coal</i>	<i>6 3/4</i>
		<i>12 Gray shale</i>	<i>2 1/4</i>
		<i>13 Coal</i>	<i>1/2</i>
		<i>14 Pyrite & charcoal</i>	<i>1 1/2</i>
		<i>15 Coal</i>	<i>11 1/4</i>
		<i>Floor clay</i>	
		<i>Tape 9 1/4</i>	
		(Note character and thickness of floor)	
		Total thickness of coal.	<i>90 7/8</i>

Condition, *Dry, fresh* Time, *4 hr. 29 min.*
 Wt. Gross, *37 lbs.* Net, *4 lbs.*
 What Nos. shipped by Co.?

Excluded from sample: No. *12, 13, 14*
 Sample represents *86 3/8* in. tons.
 Impurities? How do they occur?

(1 division = 3 in.)

Sample No. *7-21-26* Can No. *241* Lab. No. *81139*
 Collector, *Thurston* Coal: Survey No. *6*
 Mine, *Smith-Lohr #1* Co. *Christian* Index No. *1715.55*
R.—COAL SAMPLE SHEET.



Operator, *Smith-Lohr Coal Co* Date *Aug. 23, 1921*
 Mine, *No. 1* Sec. *15* T. *11N* R. *1E*
 Location in mine, *Room 2, 18th N, S. side of mine*

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>3 3/4</i>
		<i>2 Charcoal & pyrite lens</i>	<i>1/4</i>
		<i>3 Coal</i>	<i>10 3/4</i>
		<i>4 Charcoal band</i>	<i>1/4</i>
		<i>5 Coal</i>	<i>11 3/4</i>
		<i>6 Pyrite lens</i>	<i>1/4</i>
		<i>7 Coal</i>	<i>6 1/4</i>
		<i>8 Charcoal band</i>	<i>1/4</i>
		<i>9 Coal</i>	<i>10 1/2</i>
		<i>10 Grey shale B.B.</i>	<i>2 1/2</i>
		<i>11 Coal</i>	<i>1 5/8</i>
		<i>Floor clay</i>	
		<i>Top 9 1/2</i>	
		(Note character and thickness of floor)	
		Total thickness of coal.	<i>91 3/4</i>
		Condition, <i>Damp fresh</i> Time, <i>2</i> hr. <i>35</i> min. <i>14 10</i>	<i>12:35</i>
		Wt. Gross, <i>22</i> lbs. Net, <i>4</i> lbs. <i>2 35</i>	
		What Nos. shipped by Co.?	
		Excluded from sample: No. <i>10</i>	
		Sample represents _____ in. _____ tons.	
		Impurities? How do they occur?	

(1 division=3 in.)

Sample No. *F-21-27* Can No. *17489* Lab. No. *81140*
 Collector, *Thurston* Coal: Survey No. *6*
 Mine, *Smith-Lohr #1* Co. *Christian* Index No. *1715.55*
R.—COAL SAMPLE SHEET.



PANA. SPRINGSIDE MINE.

Analyses 25748 to 25752 and 26336, 26337, and 26338 (p. 30). Bituminous coal, Illinois field, from Springside mine, a shaft mine 1 mile northeast of Pana, on the Chicago & Eastern Illinois R. R. Coal bed, No. 6; Carboniferous age, Carbondale formation. Bed is 7 feet 6 inches thick and has a slight northeast dip, with frequent rolls or horsebacks; roof, black, slaty shale from 7 to 14 inches to 14 feet thick, then strong lime-

Sections of coal bed in Springside mine.

Section.....	A. 25748	B. 25749	C. 25750	D. 25751	E. 26336	F. 26337
Laboratory No.....						
Roof, black shale.....	<i>Ft. in.</i> 1 10	<i>Ft. in.</i> 2 3½	<i>Ft. in.</i> 2 3	<i>Ft. in.</i> 8	<i>Ft. in.</i> 3 1	<i>Ft. in.</i> 2 7
Coal bright, brittle.....	a 1	a 2	a 1	a 1	a 1	a 1
Bone and "sulphur".....						
"Sulphur" band.....			a ½			
Coal, bright and brittle.....	6	1 4	5	2 4		
"Sulphur" band.....			a 1	a 1		
Bone and "sulphur".....	a 1½					
"Mother coal" and "sulphur".....						
"Mother coal" and bone.....		a ½				
Coal, bright, firm.....	4	6		1 3		
Coal, laminated dull.....			4		3 3	3 1
"Sulphur" band.....			a ½	a ½		
Bone and "sulphur".....	a 1	a 1½				
Coal, hard bright.....		4		6		
Coal laminated with dull bands.....	2 6		2 6			
"Blue band," bone and coal.....						a 4
"Sulphur" bands.....	a ½	a ½		a ½		
Shale, "blue band".....					a 1½	
Coal, bright hard.....				10		1 2½
Coal, hard, dull.....	10	8			1	
"Sulphur" band.....		a ½				
Coal, laminated dull.....		11				
Shale bands and coal.....	a 5	a 5	a 2½	a 5		
Coal, hard dull.....	1 0	1 0	1 0	9		
Floor, clay.....						
Thickness of bed.....	7 8½	7 10	6 10½	7 4	7 4	7 3
Thickness of coal sampled.....	7 0	7 ½	6 6	6 9	7 2	6 11

a Not included in sample.

Section A (sample 25748) was cut in 20 main entry, main north, 5,400 feet from shaft. Section B (sample 25749) was cut in room 13, 17 west, main north, 5,400 feet from shaft. Section C (sample 25750) was cut in room 10, 5 south, off 5 east, off main north, 2,700 feet from shaft. Section D (sample 25751) was cut at face of 7 east, off main north, 4,500 feet from shaft. Section E (sample 26336) was cut in room 9, off 14 north, off main east south, 4,800 feet southeast of shaft. Section F (sample 26337) was cut at face of main east south entry, 5,400 feet southeast from shaft.

The ultimate analysis of a composite sample made by combining samples 25748 to 25751 is given under laboratory No. 25752. The ultimate analysis of a composite sample made by combining samples 26336 and 26337 is given under laboratory No. 26338.

System of mining, room and pillar, in panels. In 1916 the mining was done by hand on bench above "blue band"; the top was shot down and the bottom shot up later with FF black powder. The daily average output of the mine was 1,125 tons, mostly derived from advance workings. Forty per cent of the coal passed through a 1½-inch screen. All coal going to washery was crushed to 3½-inch size. There was track capacity for 60 empty and 60 loaded cars. The probable lifetime of the mine was about 25 years.

Became South Side Cut See 15 Not Ran CC Coal No. 6

Springside Mine Christian Co. Index No 1715.55

USBM Bull 193, p. 43-4

ILLINOIS GEOLOGICAL SURVEY, URBANA

From: Coal Report, 1894, p. 80

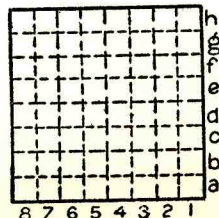
Improvements. - "The Springside Coal Mining Company, Christian County, has put in a system of endless rope haulage and a Bond box car loader."

Co #66

By.....Date.....

Quad.....Part.....

County.....Christian.....



Sec. 15

T. //	N.
R. /	E.