



Form 180 Blue

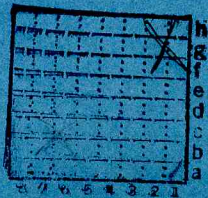
BE Sec. 8 H₁

United Electric Coal Co.

#1

1919

Mine Index 400



Sec. 5

T. 19

R. 12

Index No.

✓

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

Company United Electric Co. No. 1 Farm No.

Elev. of by Total depth Year drld. 1919

For M Method T Result A Type log Core desc.

Stripped Analysis Confd. Publ.

Location

Core logged by

Remarks:

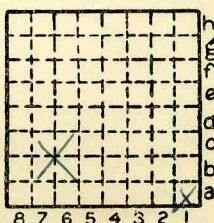
KEY BEDS

Code	Name	Depth	Thk.	Elev.

Correlations by basis

Date Quad. 149

County Vermilion Co. No.



Sec. 5028
 N. 19 ✓
 E. 12 W.

1808-A1
1806-56

Mine originally operated by: (1) *Electric C.C.*

Date 1919

Original name or number: *# 1*

Illinois Coal Report p.

LATER OPERATORS

Date	Operator	Name or No.
2 <i>1922</i>	<i>United Electric C.C.</i>	<i># 1</i>
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		

*Also owners

#See ownership sheet

Railroad, Wagon, Strip, Idle, Abandoned

IDENTIFICATION

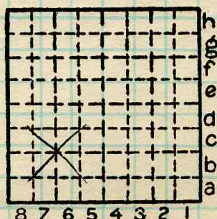
County No. _____

Coal Report No. _____

Quad. *Danville*
County *Vernilion*

1934

Coal No.



Sec. *5*

T. *19* N. *X*

R. *12* W. *X*

Index No.

COAL MINE OPERATOR



(Sheets) COAL PRODUCTION (Sheet)

Period						Tons	
Mo.	Day	Year	Mo.	Day	Year		
7	1	1918	6	30	1919	131	580
7	1	1919	6	30	1920	144	777
7	1	1920	6	30	1921	233	704
7	1	1921	6	30	1922	221	870
7	1	1922	6	30	1923	285	647
7	1	1923	6	30	1924	205	487
7	1	1924	6	30	1925	467	588
7	1	1925	12	31	1925	154	098
1	1	1926	12	31	1926	299	187
1	1	1927	12	31	1927	349	136
1	1	1928	12	31	1928	371	946
1	1	1929	12	31	1929	209	986
1	1	1930	12	31	1930	388	603
						3	463 609
1	1	1931	12	31	1931	324	151
1	1	1932	12	31	1932	309	918
1	1	1933	12	31	1933	150	453
1	1	1934	12	31	1934		(0)
						784	522

Electric Coal Co #1

SUMMARIES

No.	to	No.		
7 -1	1918	12 31	1930	3 463 609
1 1	1931	12 31	1934	784 522
Total				4 248 131

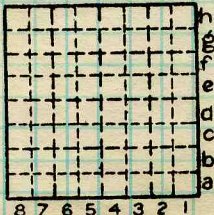
Railroad, Wagon, Strip, Idle, Abandoned

1934

Sec. 8

IDENTIFICATION

County No. _____ Coal No. _____
 Coal Report No. _____
 Quad. Danville
 County Vermilion



T. 19 N.
 S.
 R. 12 W.
 Index No.

1808-A1

COAL MINE—PRODUCTION

ILLINOIS GEOLOGICAL SURVEY, URBANA





250693

K. (5) Physical character of Coal,

- (a) Relative hardness,
- (b) Lustre,
- (c) Fracture,
- (d) Texture,

See

- (6) Impurities in coal, other than bedded, kind, position, persistence, ease of separation, etc.

*Lenses - pyrite, - pyrite sheets + balls
Thin clayey partings - - - Dk carb dirt bands $\frac{1}{4}$ - $\frac{1}{8}$ - $\frac{1}{2}$ "
usually associated with molten coal
One fairly persistent pyrite band midway bed*

See

- L. Floor: (1) Material, *Fire clay - gray hrd shale - not typically slip-fractured*
- (2) Thickness, ?
- (3) Variation, ?

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

Clean separation from coal

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,

Mine, *United Elec #1* Co.

COUNTY NO.

514

Cola: Survey No. *701*

Index No. *1805*



F. Thickness of rock above bed worked, *40' ± (strip-pit)*

(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, *- None*

(1) Thickness, See
 (2) Height above coal, See

I. Immediate roof, *Gray shale -*

(1) Thickness, *30* (2) Contact with coal, See
 (3) Horizontal variation, *- None observed*
 See

J. Draw slate, (1) Thickness, *None* (2) Contacts

(3) Persistence,

K. Coal bed: Max. Min. Av. *72* inches

(1) Benches,
 (a) Position, *Bottom bench 8"-10" lies below clay band*
 (b) Persistence, *- Continuous*
 See
 (2) Bedded impurities, kind, position in benches, persistence, ease of separation,
Clay band - Clean sep - above - rather tight below Sample A-1

See X-1

(3) Irregularities in bed (due to deposition, erosion, or movement), *- Noted one horseback on roll*

(a) Effect on mining, *Cleaned out by hand*
 See

SECTION		
Name	Ft.	In. Sym.
Cl. bnd		1/4"
Frcl		6" ±

Collector, *Nicholson (?)*

Coal: Survey No. *7(?)*

Mine, *United #1* Co. *Vermilion*

Index No. *1805*

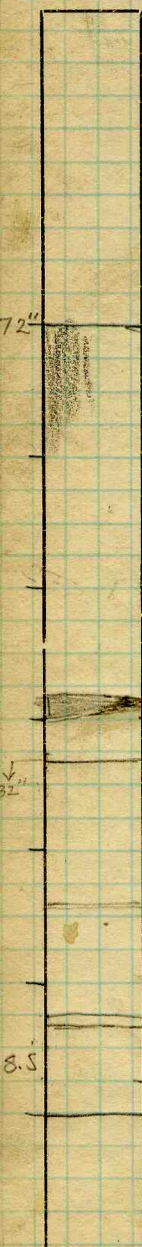
M.—UNDERGROUND SHEET (Geology No. *514*)

at Steam Shovel



Symbol Description Inches

1 division=3 in.]



SW
~~SWSE~~ sec 32 - T20N
 R12W

Analysis No 16945
 SW see 4

gray shale

Top of coal not exposed - scrapped off
 Possibly few inches gone -

Coal - like that below -

Pyrite lense 12" long - 1/2" thk
 - Position of fairly persistent pyrite band

Coal fairly well banded
 - 1/4" clayey seam not persistent

clay band mottled greenish gray clay shale
 Sample A1
 Bottom coal

Fire clay

Coal Sample A-5

Collector. NICHOLSON (?) Coal: Survey No. 7(2)
 Mine. Co. COUNTY RUS Index No. 1805



Sample A-1 - Clayband Coal No 7 - Danville

A-2 { 3-Types of Pyrite found in coal
Facings / calcites

A 3 - ~~7~~ 3 places - 6" shale
above Coal No 7

A 4 Sample Floor rock -
Danville No 7 coal

A-5 Coal Sample

June 19-29

Impurities in Coal bed.

(a) Bedded imp. -

1. Clayband - 8"-10" above floor - Forms a persistent parting - up to 1" in thickness average less than 1" - (Sample A-1)

Clay is hard, greenish gray - with mottled structure - - Not like fireclay not slip fracture surfaces - - Looks much like B.B in Coal No 6

This is cleaned off the ~~coal~~ lower bench by hand shovels -

b. This is the only persistent bedded impurity

2. Pyrite - ~~Sheet py~~

The bed is distinctly banded and at least part of banding is due to ~~so~~ mother clay layers which are prob high in ash - None of these seem to be persistent

United Elec. Nat. - Steam Pit.

Vermilion - Extral.

1805



b - Concrete + seq.

Most conspic. imp. consist of pyrite bands - nodules lenses etc

Two characteristic occurrences -

- 1 - Fairly clean plates or lenses - - like
Sample A-2-1
which split out of bedding without carrying much coal
- 2 - Earthy green gray pyrite interbedded
with coal + split out with difficulty
Sample A-2-2

~~≠~~ Variety b-2 (A-2-2) ~~→~~

Both varieties are picked out at pit +
tipple but ~~see~~ much coal discarded with
second variety -

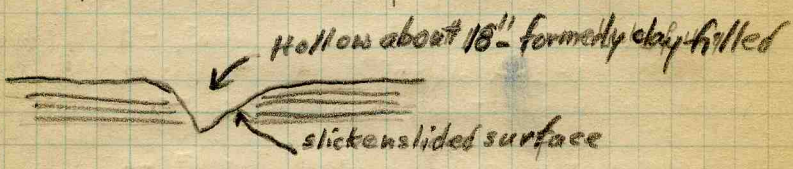
Most sections of bed contain at least
one of these varieties of sulphur. Probably
average 1" of pyrite over the part of mine

Much of the brassy pyrite occurring in lenses
or balls shows characteristic association with
mother coal - like sample included in can A-2



c - Lenticular clay masses

One body of clay - a roll in roof noted at one place - - Not an important occurrence



d. Joint fillings + facings -

This - is apparently an important ash constituent in the bed - White facings upto $\frac{1}{16}$ " thick - Character - calcite + gypsum not known - Some pyrite facings -

Much of this material shakes off in process of mining

See Sample A2-3

Noted near top / bed that coal facings commonly bright tarnish - Small sample collected



f Interbedded carbonaceous material

No bone noted - possibly little near bottom
but none observed

g. None

h - None - except facings -

i Petrif.

Noted one spec - brownish prob calcareous
petrification - like

Roof - Not usually an impurity in this mine
because scraped off - Sample A-3

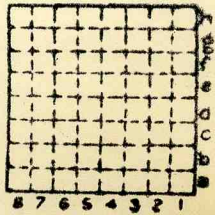
Floor - Possibly some included in coal by
shovel - but it is hard + fairly
cleanly separated from coal

Sample A-4



Form 180

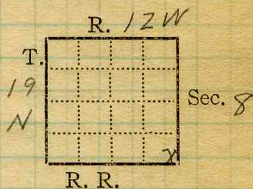
ELECTRIC CC #1
visited 1922



Sec. 8
T. 19 N. 9
R. 12 W. 8
Index No.



Mine Name or No., *Electric No 1.*
mile *W* from *Danville*
Operator, 19*22* *Elec. Coal Co*
Operator, 191



Entrance, *Inclin* Elev., ft. { above,
Depth to *bottom* coal, ft. Alt.

SURFACE DATA.

- A. Topography, *Flood plain* See
- B. Surficial materials. (1) Character, *River silts and drift.*
- (2) Thickness, (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.

See drill record sheet,

E. Notes on surrounding area,

See

Coal bed name: Local, *Danville*

Survey No. *77*

Collector, *Netzeband*

Mine, *Elec. #1*

Co. *Vermilion* Index No. *1808-90*

L.—SURFACE SHEET (Geol.)

COUNT NO 515

1816-09



F. Thickness of rock above bed worked, 0-30'

(1) Important variations,

See

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

Shale gives some trouble to See shorals.

(1) Position,

Above coal.

(2) Character,

Massive gray shale.

(3) Persistence,

Encountered in most parts of pit.

(4) Other workable coal beds

Grape Creek coal ca 50'

below

See

H. Cap rock,

Shale.

(1) Thickness,

0 - ca 30'

(2) Height above coal,

No information

See

I. Immediate roof,

Shale.

(1) Thickness,

(2) Contact with coal,

(3) Horizontal variation,

See

J. Draw slate,

(1) Thickness,

(2) Contacts

(3) Persistence,

K. Coal bed: Max. 72 Min. 54 Av. 68 inches

(1) Benches,

(a) Position, Method of mining makes this indeterminable.

(b) Persistence,

See

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

Charcoal &

clay bands.

See

(3) Irregularities in bed (due to deposition, erosion, or movement),

None noted

See

(a) Effect on mining,

See

SECTION		
Name	Ft.	In. Sym.

Collector, Culver & Netzeband

Mine, Electric #1 Co. Vermilion

M.—UNDERGROUND SHEET (Geol.)

Coal: Survey No. Danville.

Index No. 1808-90

1816-09



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

(a) Relative hardness,

Soft

(b) Lustre,

Bright with some glanca to dull.

(c) Fracture,

Blocky

(d) Texture,

Laminated.

See

(6) Impurities in coal, other than bedded,

(a) Kind,

Pyrite lenses (max 2" x 8")

(b) Position and persistence,

Throught coal

(c) Rejected,

On picking

Ease of separation,

*Break free**table*

See

L. Floor: (1) Material,

Floor clay

(2) Thickness,

No information

(3) Variation,

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

*clay**Hard, light to medium grey*

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, *Culver & Natzaband*
 Mine, *Electric #1* Co. *Vermilion*
 N.—UNDERGROUND SHEET (Geol.)

Coal: Survey No. *Danville*
 Index No. *1808.90*
1816.89



Operator, *Elec. Coal Co*
 Mine, *No 1*
 Location in mine,

Date *2-10-22*
 Sec. *8* T. *19N* R. *12W*

GRAPHIC SECTION		DESCRIPTION OF SECTION (AT POINT SAMPLED)		
In.	No.	No.	(Note character and thickness of roof)	Inches
		1	coal	18 4
		2	charcoal lens	4
		3	coal - bright glanz	3 4
<i>18 7/8</i>	<i>1</i>	4	charcoal	2
		5	coal - <i>4 x</i>	6 4
		6	charcoal	2
<i>4/8</i>	<i>2</i>	7	coal	4 4
<i>3 7/8</i>	<i>3</i>	8 ✓	bone	1 0
<i>2/8</i>	<i>4</i>	9	coal	5 0
<i>6 4/8</i>	<i>5</i>	10 ✓	bone	6
<i>2/8</i>	<i>6</i>	11	coal	8 6
<i>4 4/8</i>	<i>7</i>	12 ✓	charcoal + clay ^{1/2}	4
<i>1</i>	<i>8</i>	13	coal	13 2
<i>5 6/8</i>	<i>10</i>	14 ✓	clay ^{1/8}	1
<i>8 4/8</i>	<i>11</i>	15	coal	7 0
<i>1/8</i>	<i>12</i>	$\begin{array}{r} 2 \frac{7}{8} = 70 \frac{375}{1000} \\ \underline{2 \frac{11}{8} = 26250} \\ 26250 \end{array}$		<i>70 3/8</i>
<i>13 7/8</i>	<i>13</i>	$\begin{array}{r} 2 \frac{7}{8} = 70 \frac{375}{1000} \\ \underline{2 \frac{11}{8} = 26250} \\ 26250 \end{array}$		
		(Note character and thickness of floor) Total thickness of coal.		
<i>1</i>	<i>14</i>	Condition, <i>moist</i> Time, <i>0</i> hr. <i>55</i> min. Wt. Gross, <i>30</i> lbs. Net, <i>4</i> lbs. What Nos. shipped by Co.? <i>all</i> Excluded from sample: No. <i>8, 10, 12, 14</i> Sample represents <i>67 3/4</i> in. tons. Impurities? How do they occur? <i>Pyrite balls</i> <i>& lenses, fragments of calcite & gypsum</i>		
<i>7</i>	<i>15</i>			

(1 division = 3 in.)

Sample No. *N. 22-5* Can No. *1774 9* Lab. No. *84227*
 Collector, *Net. Chand* Coal: Survey No.
 Mine, *Electric #1* Co. *Vermilion* Index No. *1808.90*



Operator, *Electric Coal Co*
 Mine, *NO 1 PIT.*
 Location in mine,

Date *2-10-22*
 Sec. *8* T. *19N* R. *12W*

GRAPHIC SECTION DESCRIPTION OF SECTION (AT POINT SAMPLED)

In.	No.	No.	(Note character and thickness of roof)	Inches
			<i>Tull - no rock</i>	
		1	<i>Coal</i>	<i>26 0</i>
		2	<i>clay mixture</i>	<i>2</i>
		3	<i>Coal</i>	<i>3</i>
		4	<i>Pyrite lens</i>	<i>1</i>
<i>26</i>	<i>1</i>	5	<i>Coal</i>	<i>1 2</i>
		6	<i>Pyrite lens</i>	<i>2</i>
		7	<i>Coal</i>	<i>7 4</i>
		8	<i>Clay band</i>	<i>4</i>
		9	<i>Coal</i>	<i>6 3</i>
		10		
<i>3 1/8</i>	<i>2</i>	11		<i>58 7/8</i>
<i>3 1/8</i>	<i>3</i>	12		
<i>1 2</i>	<i>4</i>			
	<i>5</i>			
	<i>6</i>			
<i>2/8</i>	<i>7</i>			
<i>9 1/8</i>	<i>8</i>			
<i>1/8</i>	<i>9</i>			
<i>6 3/8</i>				

59.5 / 1.5 / 25
1.90 / 1.90 / 21.00
29.75

Tape 5-9 3/8

(Note character and thickness of floor)
 Total thickness of coal.

Condition, *moist* Time, *1* hr. *5* min.
 Wt. Gross, *30* lbs. Net, *4* lbs.
 What Nos. shipped by Co.? *all*

Excluded from sample: No. *4, 8*
 Sample represents *57 3/8* in. tons.
 Impurities? How do they occur? *Sulphur in*

(1 division = 3 in.)

Pyrite lenses + gypsum - Calcite, pyrites

Sample No. *N-22-6* Can No. *17743* Lab. No. *84228*
 Collector, *Netzeband* Coal: Survey No.
 Mine, *Electric #1* Co. *Vermilion* Index No. *1808.90*

Mine originally operated by: (1) Mission Mining Co.

Date

Original name or number: # 1

Illinois Coal Report 1918 p.

LATER OPERATORS

Date	Operator	Name or No.
2 1919	Electric Coal Co.	# 1
3 1922	United Electric Coal Co.	# 1
4		
5		
6		
7		
8		
9		
10		
11		
12	Same tippel used by Two Rivers Coal Co.	
13	<u>AND</u> original Mission Mining Co. (1911)	
14		

*Also owners

#See ownership sheet

Railroad, Wagon, Strip, Idle, Abandoned 1934

IDENTIFICATION

County No. _____

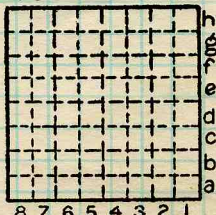
Coal No. _____

Coal Report No. _____

7

Quad.

County Vermilion



Sec. 16

T. 19	N. S.
R. 12	E. W.

Index No. 1818 H8

COAL MINE OPERATOR



(Sheets) **COAL PRODUCTION** (Sheet)

Period						Tons		
Mo.	Day	Year	Mo.	Day	Year			
					1918	73	931	
					1919	131	580	
					1920	144	777	
					1921	233	704	
					1922	221	870	
					1923	285	647	
					1924	205	487	
June 30	1924		June 30		1925	467	388	
July 1	1925		Dec. 31		1925	154	898	
					1926	299	187	
					1927	349	136	
					1928	371	946	
					1929	209	986	
					1930	388	603	
					1931	324	151	
					1932	309	918	
					1933	150	453	
					1934			

United Electric Coal Co. #1

SUMMARIES

No.	to	No.		
1918		1933	4	322 062

Railroad, Wagon, Strip, Idle, Abandoned

1934

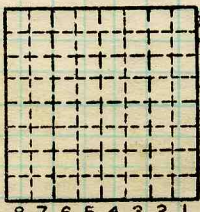
STRIPMINE Sec.

IDENTIFICATION

County No. _____ Coal No. _____

Coal Report No. _____ 7

Quad. DANVILLE
County VERMILION



T. 19 N.
R. 12 W.
Index No. 1805 1808 1809

COAL MINE—PRODUCTION

ILLINOIS GEOLOGICAL SURVEY, URBANA





FORM 180 W

Production For: Mission Mining No.1

IS65 # 400

Year Production Year Production

1911	Mission Mining Co.	45,153		
1912	Mission Mining Co.	No.1 53,248		
1913	Mission Mining Co.	62,240		
1914	Mission Mining Co.	No.1 106,858		
1915	Mission Mining Co.	No.1 117,238		
1916	Two Rivers C.C.	443,000		
1917				
1918	Mission Mining Co.	73,931		
1919	Electric C.C.	No.1 131,580		
1920	Electric C.C.	No.1 144,777		
1921		233,704		
1922	United Electric C.C.	No.1 221,870		
1923		285,647		
1924		205,487		
1925		621,686		
1926		299,187		
1927		349,136		
1928		371,946		
1929		209,986		
1930		388,603		
1931		324,151		
1932		309,918		
1933	United Electric C.C.	150,453		



Town, ~~Oakwood~~ *Danville*

Local Authority,

Level: Auth., *Mine notes*

Method,

R. R., *CCC & St. L., I.T.S.*

Location: authority, *Letter Two Rivers Coal Co. 3/18/18*

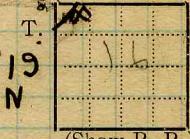
Also see Corres. 2135-261

Operator

Mine Name or No.

Surface alt., ft.
 Depth to coal, *bot 106* ft.
 Alt. top coal, ft.
 Thickness: Av. in.
 Max. in., Min. in.

R. 12W



Sec. *16*
NW 1/4 NW 1/4

Aver #7 (1910-1935)

19 *18* *Mission Mining Co. No. 1*

Successor to

United Electric Coal Co. No. 1

Succeeded by

PRODUCTION.

19 *1928*
 349 136

1931 324 157
1932 309 918

U. S. No.

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

Coal secs? *No.*

Examined by

Ref.

Coal bed name: Local
 County *Vermillion 9*

Survey No.
 Index No. *1816.09*

K.—ACTIVE SHIPPING OR LOCAL COAL MINE.
Strip Mine



Town, *Danville*

Surface alt., ft.

Local Authority,

Depth to coal, ft.

Level: Auth.,

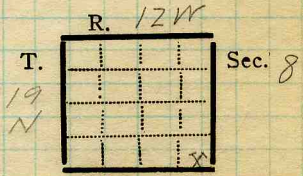
Alt. top coal, ft.

Method,

Thickness: Av. in.

Max. in., Min. in.

R. R., *cc east L. - 2nd. Traction*



Location: authority,

(Show R. R.)

Operator

Mine Name or No.

19 *22 Electric Coal Co*

No. 1

Successor to

Strip Pit

Date

Succeeded by

Date

Succeeded by

Date

PRODUCTION.

								U. S. No.
19								

Geol. Notes? *Yes*

Coop. No.

Coal secs? *Yes*

Analyses No.

Examined by *Culver and Netzeband*

Ref.

Coal bed name: Local *Danville*

Survey No. *7?*

County *Vermilion*

Index No. *1808-90*

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

1816-09

COUNT NO. 55

(9019-1M-7-18)



United Electric Coal Companies
#1 Pit 5 Mi. W. of Danville

Var.
18

More Acreage
North of Here

50' Cover Line

Middle Fork
Vermilion

54
89

Temporary
Limestone
Creek

Face

Strip
Coal
Exhausted

Mine #6
Exhausted

low

50' Cover Line

Face

Strip Exhausted

Flume

Deep Coal
Exhausted

mine

Big 4

COUNTY NO.

ST

89 = shop
17/16 = Tipple

Vermilion 1816-09

TO THE STATE GEOLOGICAL SURVEY:
URBANA, ILLINOIS.

Mr. _____ owner, is

building a rig on _____ Farm _____ Acres,

_____ Twp., _____ Co.

Located as follows in Section No. _____

Please indicate railroad

_____ feet from North line

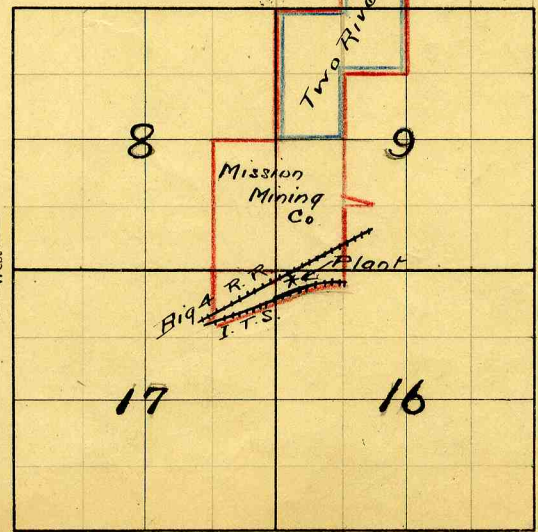
_____ feet from East line

_____ feet from South line

_____ feet from West line

Remarks _____

Mine name or No. _____



T. 19 N. — South — R. 12 W. 2 P.M.

Letter to _____

Date _____

Letter to _____

Date _____

_____ sample sacks

to _____

Date _____

Samples rec'd _____

Date _____

Log rec'd _____

Date _____

Remarks _____

County *Vermilion* LOCAL MINE COUNTING 1816a
 Farm _____ Well No. _____
 Operator _____



John C. Moore Corporation, Rochester, N. Y. Binder and holes in leaves, each Patented 1365

*Same title for
 2 Rivers Coal Co. &
 Mission Mng Co.*

Signed
*Really name
 Companies*



1924

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

TO THE STATE GEOLOGICAL SURVEY:
URBANA, ILLINOIS.

Mr. _____ owner, is

building a rig on _____ Farm _____ Acres,

_____ Twp., _____ Co.

Located as follows in Section No. _____

Please indicate railroad

—North—

_____ feet from North line

_____ feet from East line

_____ feet from South line

_____ feet from West line

Remarks Near Oakwood

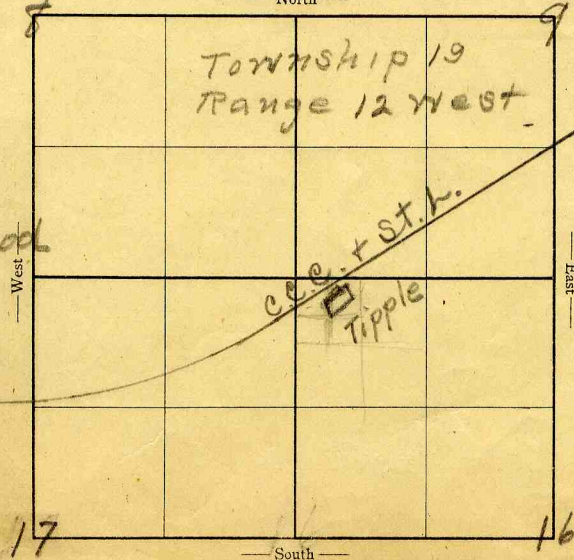
Mine name or No. _____

Mission Mining Co

Mine No. 1

Signed

J. C. Anderson



19

Letter sent to Mission field coal Co.

Letter to _____

Date _____

Letter to _____

Date _____

_____ sample sacks

to _____

Date _____

Samples rec'd _____

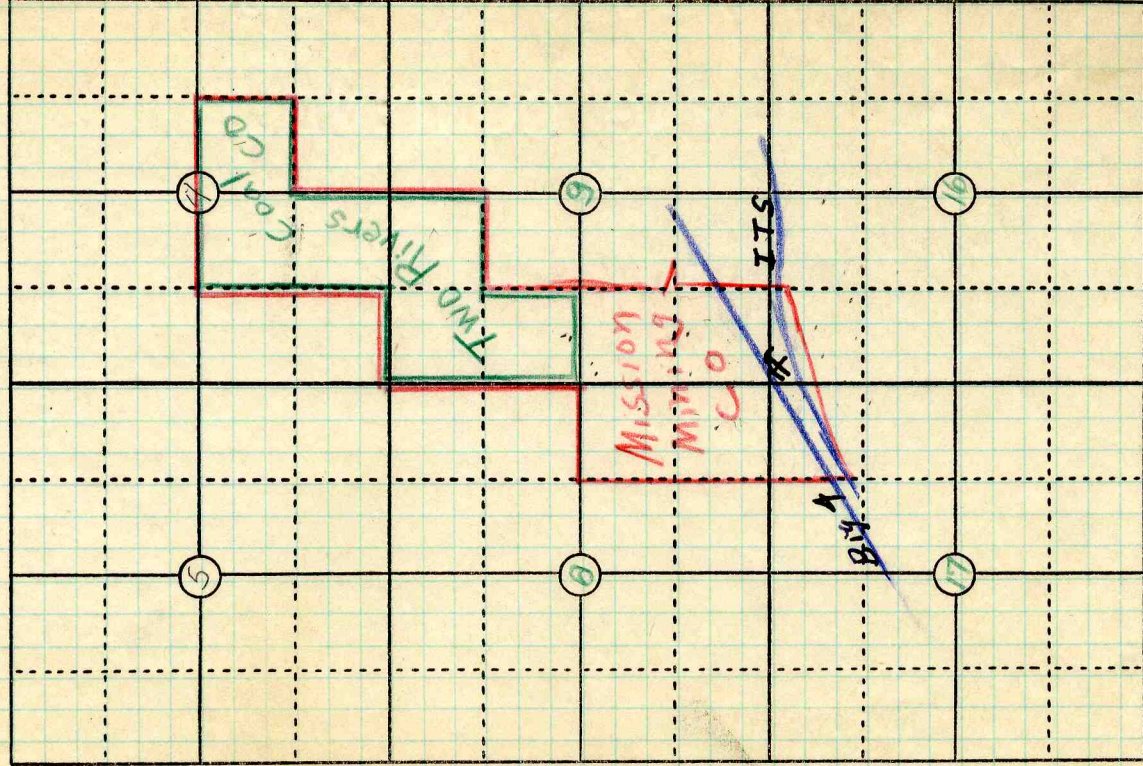
Date _____

Log rec'd _____

Date _____

Remarks _____

County Vermillion LOCAL MINE Mission 625
Farm _____ Well No. _____
Operator _____



Dec Dec 16
 T 19N R 2W
~~Name or No.~~
 Name or No.

Operator

Date

COUNTY BOIS
 1816

Index No.

County



Twp 19 N R. 12 W Sec 16

Operator A. E. C. Co
Address Danville
Mine name or No. 1

R

R R
Drainage
Area worked

T

S

see next sheet.

Stripping

Shovel(Make size power source)

Marion 250 - 3 yd dippers on
ca 70' boom

Plan(operations)

follow valley on curve

Preparation for loading(cleaning surface shooting)

*shovel - no boom
shot w. Bell P.V.*



2

LOADING

Shovel (make size power source)

1 1/2 yds - steam Morrison

Operation (Housebacks slips dirt bands)

Haulage (out of pit)

Cars (type capacity)

*5 Ton side gate**cars*

Loco (capacity cars per trip time per trip)

steam - 15 car trip

Dumping (method equipment)

at top of long incline - into hopper then to table leading to screens

Conveyor (type)

*steel endless apron*PREPARATION

Crushing (sizes equipment)

none crushed

Cleaning (picking tables number men)

sledges - 2 picked on first conveyor; one on wayon belt, two each on two sizes of tables.

Screening (sizes capacity)

*over 6" lumps**3x6 "**under 2" screenings*



3
SHIPPING

Car Loading (sizes loaded method equipment)

By cars & wagons from tipples -
loading basins and tracks -

Trackage (diagram)

By ~~4~~

Market (RR carrier rates uses)

By etc.

STORAGE

Equipment type capacity

None by Company

APPENDIX

Sulfur separated, conveyed to market
in good market, sold - otherwise buried.



4
OVERBURDEN

Method of handling *dumped by shovel*
into coal cut

Drainage (pump equipment) *elec. passing to*
river

Behavior when wet *spoil slumps - grade*
cut stands well

Area of thick and thin

Variation of coal with thickness

Special features

Coal

Thickness (max min av. Q. sheet)

73 - 60 - 66

Attitude *Flat in general but shows marked rolls*

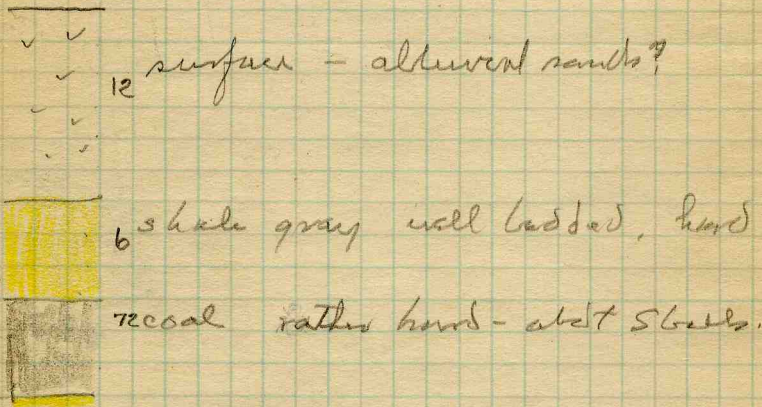
Special features (slips horsebacks faults)



5

1 div = 2'

GRAPHIC SECTION



FLOOR

Character (refractory material used)

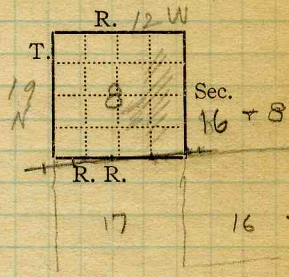
Vermilion

County

Index 1816.09



Mine Name or No., *No 1 Strip Pit*
5 mile *W* from *Danville*
 Operator, 1921 *Electric Coal Co*
 Operator, 191 *#94* *Bunker*



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

SURFACE DATA.

- A. Topography, *youthful, 100 foot relief* See
 B. Surficial materials. (1) Character, *drift - boulders, etc*
 (2) Thickness, *15-30* (3) Effect on mining and shaft-sinking, of former drainage lines, underground water strata, etc.
no drainage lines or aquifers noted.

- 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,
The famous Mission field lies just south and shows similar relations of coal, shale, fire clay and sandstone.

#94

See

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

Collector, *Crews*

Mine, *Elec. Co #1* Co. *Vermilion* Index No. *1816:09*

L.—SURFACE SHEET (Geol.)



F. Thickness of rock above bed worked, *0-20 feet*

(1) Important variations, *only in thickness*

See

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

See

(1) Position, *over coal*

(2) Character, *shale*

(3) Persistence, *missing near site at east, thicker westward*

(4) Other workable coal beds, *none reported*

See

H. Cap rock, *none*

(1) Thickness,

(2) Height above coal,

See

I. Immediate roof, *drift or shale*

(1) Thickness, (2) Contact with coal,

(3) Horizontal variation, *irregular - considerable in thickness & character* See X 1.

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

none
(3) Persistence,

K. Coal bed: Max. *73* Min. *60* Av. *66* inches

(1) Benches, *none*

(a) Position,

(b) Persistence,

See

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

sulfur lenses and balls

See X 1

(3) Irregularities in continuity of bed (due to deposition, erosion, or movement, *rolls*

See X 1

(a) Effect on mining,

slight

See

SECTION				
Ft.	In.	Name	Index	Sym.
20	Av.	drift	B	
4	Av.	sh	G	
5	6	coal	K	
2	+	fr. clay	L	

Collector, *Culver*

Mine, *Elec. Co #1*, Co. *Vermillion*

Coal: Survey No.

Index No. *1816-09*



- K. (5) Physical character of coal in benches, *no benches*
- (a) Relative hardness, *fairly soft,*
- (b) Lustre, *dull*
- (c) Fracture, *uneven*
- (d) Texture, *laminated* See
- (6) Impurities in coal, other than bedded,
- (a) Kind, *Calcite plates*
- (b) Position and persistence, *joints - abundant*
- (c) Rejected, *no* Ease of separation, See
- L. Floor: (1) Material, *fire clay*
- (2) Thickness, *24" at least,*
- (3) Variation, *not known*
- (4) Note character, condition, tendency to heave, relation to undercutting commercial value.
- coal seems to come clean from the floor. This point should be further noted, also uneven places - rolls, etc.*
- (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, *Culver*Coal: Survey No. Mine, *Elec. Co. #1*Co. *Vermilion*Index No. *1816-09*



INDEX

(36713-500-7-20)

I 1 The overburden at the east, up dips, is till and soil but westward the shale comes in over the coal and as far west as opened by stripping reaches a maximum of about 20-25 feet. This makes a total cover of 20-45 feet to be removed. Beyond the west end of the field a slope has been run to the coal which is about 50 feet plus the extra height of the hill (feet) from the surface the contact of the drift and the coal is uneven and irregular. Usually in cleaning the top of the coal below the till the top inch or more of coal is removed. Below the shale the top coal is less uneven but in places is also removed in cleaning.

K2 The impurities are fairly abundant altho not apparently more so than in Fulton Co. No 5 bed. The master mechanic told me that the 1600 ton average daily production gave a discarded lot of ca. 8 cars - (holding 5 Tons of coal each) of pyrite. During the war this was crushed, the coal removed by washing and the 90% (?) pure concentrate sold. With lower price for pyrite this preparation is not practicable and the rejected pyrite, uncleaned, is dumped in the cuts and covered with earth to prevent firing.

K3 The generally low angle dip to the west which is uniform over this field is shown by the stripping to have minor variations. The coal bed where exposed in the cut shows a surface as sketched:

where the dips are never reversed appreciably altho the bed lies flat for short distances.

Collector *Carlson*

Index No.

X-1

EXTRA NO. 1

County

Vermilion 6816.09

Mine originally operated by: (1) Mission Mining Co.

Date

1911

Original name or number: #1

Illinois Coal Report 1911 p. 290

LATER OPERATORS

Date	Operator	Name or No.
2 1916	Two Rivers Coal Co.	
3 1917	Two Rivers Coal Co.	No. 4
4 1919	Electric Coal Co.	No. 4
5 1922	United Electric Coal Co.	No. 4
6	(In 1922 Electric Coal Co. consolidated it's properties and became known as United Electric Coal Co.)	
7		
8		
9		
10		
11		
12		
13		
14		

*Also owners

#See ownership sheet

Railroad, Wagon, Strip, Idle, Abandoned - 1926
Shipping mine

IDENTIFICATION

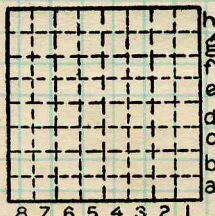
County No. 248

Coal No. 7

Coal Report No. _____

Quad. Fithian

County Vermilion



Sec. 18

T. 19 N. S.

R. 12 E. W.

Index No.

COAL MINE OPERATOR



Mine originally operated by: (1)

Date
1911?

MISSION MINING Co.

Original name or number: No. 1.
Illinois Coal Report p.

LATER OPERATORS

Date	Operator	Name or No.
2 1916	TWO RIVERS COAL Co	No. 4.
3 1919	ELECTRIC COAL Co.	No. 4.
4 1922	UNITED ELECTRIC COAL Co.	No. 4.
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		

*Also owners

#See ownership sheet

Railroad, Wagon, Strip, Idle, Abandoned

SHIPPING MINE 1927 STRIP MINE

IDENTIFICATION

County No. 246

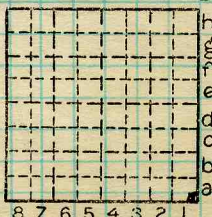
Coal No.

Coal Report No. _____

7

Quad. Fithian

County Vermilion



Sec. 18

T. 19 N. 8

R. 12 W. 8

Index No.

1818 A1

COAL MINE OPERATOR

1817
1818
1819
1820



(Sheets) COAL PRODUCTION (Sheet)

Period		Tons	
Mo.	Day Year	Mo.	Day Year
	7/1/10-----6/30/11	45	153
	7/1/11-----6/30/12	53	248
	7/1/12-----6/30/13	62	240
182	7/1/13-----6/30/14	106	858
	7/1/14-----6/30/15	117	238
	7/1/15-----6/30/16	143	000
282	7/1/16-----6/30/17	159	373
3	7/1/17-----6/30/18	161	861
	7/1/18-----6/30/19	116	849
	7/1/19-----6/30/20	90	536
4	7/1/20-----6/30/21	69	528
	7/1/21-----6/30/22	92	310
	7/1/22-----6/30/23	165	054
	7/1/23-----6/30/24	130	297
5	7/1/24-----6/30/25	180	097
	7/1/25-----12/31/25	93	184
	1/1/26-----12/31/26	30	588
	1927		000
		1 817	414

SUMMARIES

No.	to	No.		
7/1/10-----		12/31/26	1 817	414

Railroad, Wagon, Strip, Idle, Abandoned - 1926

Sec. 18

IDENTIFICATION

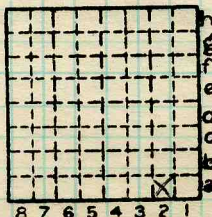
County No. 248

Coal No.

Coal Report No. _____

Quad. Fithian

County Vermilion



T. 19 N.
 R. 12 E.
 W.
 Index No.

COAL MINE-PRODUCTION

ILLINOIS GEOLOGICAL SURVEY, URBANA





(Sheets) COAL PRODUCTION (Sheet)

Period						Tons
Mo.	Day	Year	Mo.	Day	Year	
					1911	45 153
					1912	53 248
					1913	62 240
					1914	106 858
					1915	117 238
					1916	143 000
					1917	159 373
					1918	161 861
					1919	116 849
					1920	90 536
					1921	69 528
					1922	92 310
					1923	165 054
					1924	130 297
					1925	189 297
					1926	30 588
					1927	
					July 1 1924	June 30
					July 1 1925	Dec. 31

SUMMARIES

No.	to	No.	Tons
1911		1926	1 817 414

Railroad, Wagon, Strip, Idle, Abandoned

STRIP MINE

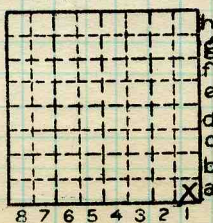
shipping

IDENTIFICATION

County No. 248 Coal No. 7

Quad. Ft. Hian

County Vermilion



Sec. 18

T. 19 N.

R. 12 W.

Index No.

1818 A1

COAL MINE—PRODUCTION

ILLINOIS GEOLOGICAL SURVEY, URBANA





FORM 180 W

Production For: Two Rivers C.C. No. 4

Electric C.C. No. 4 United Electric C.C. No. 4

Year Production Year Production

1917 Two Rivers C.C. No. 4 159,373

1918 Two Rivers C.C. No. 4 161,861

1919 Electric C.C. No. 4 116,849

1920 Electric C.C. No. 4 90,536

1921 Electric C.C. 69,528

1922 United Electric C.C. No. 4 92,310

1923 United Electric C.C. No. 4 165,054

1924 United Electric C.C. No. 4 130,297

1925 United Electric C.C. No. 4 273,281

1926 United Electric C.C. No. 4 30,588

1,289,677



United Electric Coal Companies
 { Danville. }
 { Nos. 1, 4, 5, 6. Oakwood, Vermilion, }
 { Big 4 }
 { N.Y.C. }
 { Wabash. }

F.E. Toenniges, M. Engr. Danville.

1-4-5-6 Slope & Strip #7, 72"

Haul, Mules, Trolley Pole, & Stor. Batt. Locomos.
 36" Track

8 Steam & El. Shovels.

P.P. 10 Pumps.

Emp 495 Daily - 4000 T.

Sizes: Rotm, Slack, Pea, Nut, Egg, Lump, Block.

Prep. Shaker Screens, Picking Tables,

Loading Tables. Booms.



United Electric Coal Co.
Danville, Ill.

Sec. 18
T. 19N
R. 12W

Mine #A - Oak wood

Location of tiple: S.W 1/4 S.E 1/4 S.E. 1/4 Sec. 18

Exhausted

~~530~~ 530

TO THE STATE GEOLOGICAL SURVEY:
URBANA, ILLINOIS.

Mr. *Two Rivers Coal Co.* owner, is

building a rig on *Mine No. 4* Farm _____ Acres,

_____ Twp., _____ Co.

Located as follows in Section No. _____

R. 12 W.
_____ North _____

_____ feet from North line

_____ feet from East line

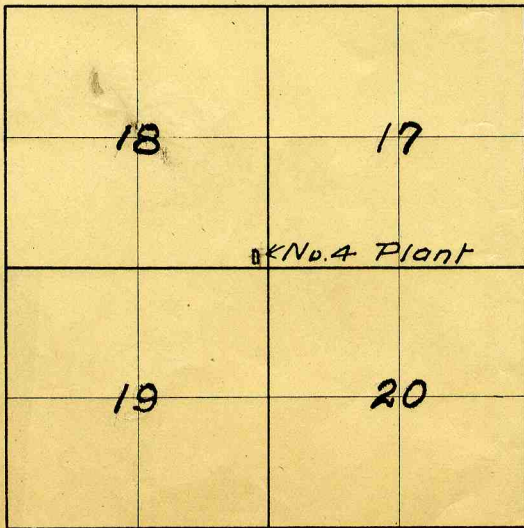
_____ feet from South line

_____ feet from West line

Remarks _____

Mine No. 4

T 19 N
West



_____ South _____

Letter to _____

Date _____

Letter to _____

Date _____

_____ sample sacks

to _____

Date _____

Samples rec'd _____

Date _____

Log rec'd _____

Date _____

Remarks _____

County *Vermilion*

Farm _____ Well No. _____

Operator _____

LOCAL MINE

COUNTY NO.

1818
631



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



Town, **Oakwood**

Local Authority,

Level: Auth.,

Method,

R. R.,

Location: authority, **Two Rivers Coal Co 4/1/18**

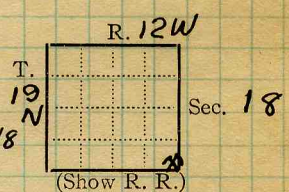
Surface alt., ft.

Depth to coal, ft.

Alt. top coal, ft.

Thickness: Av. in.

Max. in., Min. in.



Operator

Mine Name or No.

19 18 **Two Rivers Coal Co. No. 4**

Successor to

United Electric Coal Co No. 4

Date Succeeded by

Date Succeeded by

Date

PRODUCTION.

								U. S. No.
19								

*Use per 22
by Carter*

Geol. Notes? **No**

Coop. No.

Coal secs? **No**

Analyses No.

#16

Examined by

Ref.

Coal bed name: Local **SHIPPING MINE**

Survey No.

County **Vermilion**

Index No. **1820, 09m**

K.—ACTIVE SHIPPING OR LOCAL COAL MINE.

Strip Mine



Twp. 19N
18

R. 12W

Sec. 20
20

Operator *United Elec. Co*
Address *Danville*
Mine Name or No. *4*



Route 10
T.

R R *Big*
Drainage
S. Area worked

Stripping

Shovel (Make size power source)
Marion 270 John boom 80' 6yd bucket
Serial 3098 -

Plan (Operations)
curve with valley - 40' cut up and back

Preparation for loading (cleaning surface shooting)
shovel gang - shot with single F 4 1/2 ft



COUNTY NO.
536

County *Vermilion*

Index 1820-09



2
LOADING

Shovel (Make size power source)

Marion 1 1/2 Yd Steam

Operation(horsebacks slips dirt bands)

Haulage(out of pit)

Pit car

Cars(type capacity) *5 ton*

Loco(capacity cars per trip time per trip)

20 Ton-dinkey 12 per trip

Dumping(method equipment)

*pit cars hauled up incline 1 at a time
Tipple has rated capacity of 1000T.*

Conveyor(type)

PREPARATION

Crushing(size equipment)

Cleaning(picking tables number men)

7 men at picking tables

Screening(size capacity)

*make standard sizes and sell
some mine Run*



3 SHIPPING

Car Loading (sizes loaded method equipment)

Trackage (diagram)

Two track tripple - the old "Two Rivers" equipment.

Market (RR carrier rates uses)

P & E - Walash - 9 TS -

STORAGE

Equipment	type	capacity
-----------	------	----------

none

ADDENDA

Old No 3 underground mine workings just North of pit - cut into some benches last round - Two more 40' cuts will finish north extension of the pit.



4

OVERBURDEN

Method of handling

Drainage (pump equipment)

pumped over spoil to river

Behavior when wet

Area of thick and thin

little variation

Variation of coal with thickness

Special features

COAL

Thickness (max ⁷² min ⁶⁴ av ⁶⁶ & sheet)

72 64 66

Attitude

flat

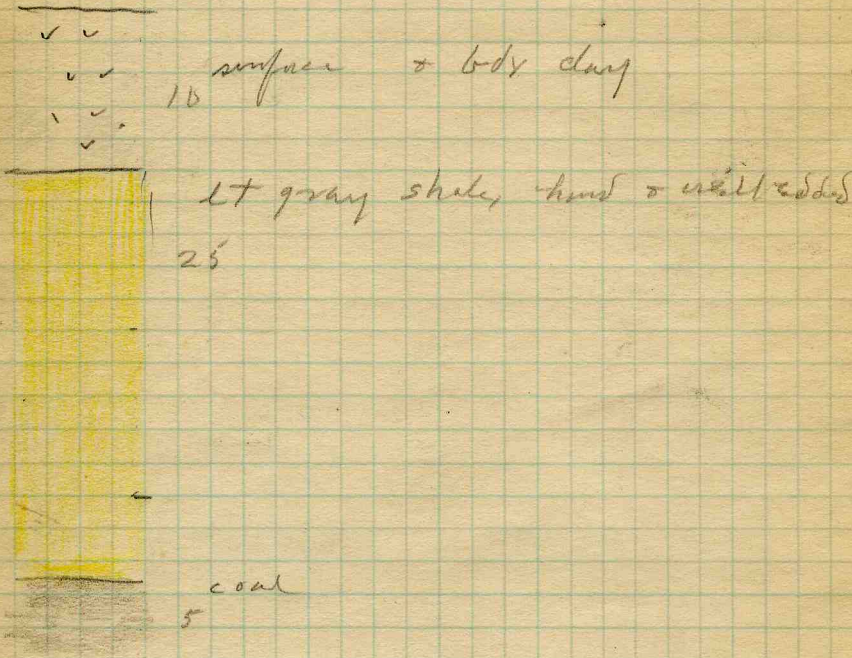
Special features (slips horsebacks)

parted out cuts - down to 20"



⁵
GRAPHIC SECTION

1 div = 2'



Floor

Character (refractory material used)

gray clay, hard - mag lit.