

1894-1911 Depth to coal reported as 220' in Annual Coal Reports.

Mine apparently reopened in 1919 and operated to 1924. These latter 5 years reports showed shaft 240'.

JHS
4/5/60

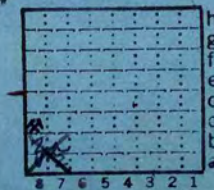
Savage in Bull. 20 gives this SW SW location, and there seems to be no reason to doubt it. Therefore the mine note's SE SE loc. is treated ^{as} incorrect since it has no apparent basis.

Probably correct - SESE loc would place shaft down on flood plain of Sangamon River
KC 6-27-58

Location C5
by W. B. Roe

Standard Hatched C. C.,
#2 at Clear Lake

M. J. # ~~121~~
#121



| | |
|-----------|-------|
| Sec. | 8 C8 |
| T. | 16 N. |
| R. | 4 W. |
| Index No. | |

1450' S line
300' W "
W. B. Roe

~~1208-24~~



Mine originally operated by: (1) *Clear Lake Coal Co.*
Date *1893.* *Riverton.*

Original name or number:
Illinois Coal Report _____ p.

LATER OPERATORS

| Date | Operator | Name or No. |
|------|-------------------------------------|-------------|
| 2 | <i>1903. Spaulding</i> | <i>2.</i> |
| 3 | <i>1906 Standard Washed Coal Co</i> | <i>2.</i> |
| 4 | | |
| 5 | | |
| 6 | | |
| 7 | | |
| 8 | | |
| 9 | | |
| 10 | | |
| 11 | | |
| 12 | | |
| 13 | | |
| 14 | | |

LOCATION *7*
o.k. - Sample in B20

* Also owners # See ownership sheet

Railroad, Wagon, Idle, Abandoned *1915*

SHIPPING MINE

IDENTIFICATION

County No. Coal No.

Quad. *158*

Part *6*

County *Sangamon.*



Sec. *8*
T. *16* N. S.
R. *4* E. W.
Index No.

COAL MINE OPERATOR

1008
Not correct



COAL MINE NOTES.

0908

MAP No. *1508*

COUNTY *Saugamun* TOWN
 T. *16N* R. *4W* S. *B*
 OPERATOR *Standard Washed Coal Co.*
 OFFICE *Fisher Bldg Chicago.* SW SW 8
 MINE *#2.* Bull 20 p. 123
 TIPPLE
 ENGINES *Litchfield 1st motion 20" x 32"*
 BOILERS
 DRUM *6' Wood.*
 SHAFT CAGE
 HAULAGE
 CARS *2800 lbs.*
 VENTILATION
 DRAINAGE
 SPRINKLING
 WORKING SYSTEM *Room + Pillar.*
 MINING METHODS

SIZE OF ENTRIES—MAIN *35'* CROSS *30'* ROOM *30'* NECK
 SIZE OF PILLARS—MAIN CROSS ROOM
 SHAFT CHAIN BARRIER
 AMOUNT OF TIMBERING SIZE
 PROPORTION OF COAL UTILIZED
 AMOUNT AND CHARACTER OF WASTE
 ACREAGE OF COAL MINED
 ACREAGE OF COAL REMAINING
 PROPORTION OF MINE RUN AND SCREENED COAL
 METHOD OF SIZING *Shaker Screen* RESCREENED
 SIZES *6", 3"*
 PER CENT
 PROPORTION AND SIZE OF WASHED COAL *about 66%*
 DAILY OUTPUT *100 to 800 tons.*
 UTILIZATION
 MARKETS
 FREIGHT RATES
 SELLING PRICES AT MINE
 COAL LAND OWNED LEASED HELD IN FEE *1508*
 COST OF LAND OWNED LEASED HELD IN FEE *1008*
 ADDITIONAL NOTES



COAL MINE NOTES.
CONTINUED.

OPERATOR *Standard Washed Coal Co.* MINE # *2* 0908
 ENTRANCE *Shaft.* NAME OF COAL BED # *5*
 ELEVATION *568* THICKNESS OF COAL
 DEPTH TO FLOOR *240* MAX. MIN. AV.
 ALTITUDE OF COAL *328*
 LOCATION OF SECTION *Room #3. first south off first west.*

| No. | SECTION. | In. |
|------|-------------|-----------|
| 1 | | |
| 2 | <i>Coal</i> | <i>69</i> |
| 3 | | |
| 4 | | |
| 5 | <i>:</i> | |
| 6 | | |
| 7 | | |
| 8 | | |
| 9 | | |
| 10 | | |
| 11 | | |
| 12 | | |
| Tape | | Total |

SECTION



SAMPLE No.

CAN No.

CONDITION

GROSS WEIGHT *69"*

TIME EXPOSED

NOT SHIPPED

NOT INCLUDED

PHYSICAL PROPERTIES BY NUMBERS

Sulphur band 1"-2 1/2" locally found at top of coal. Concretions few. Narrow lenses of sulphur found occasionally in middle part.

ROOF *Black Shale 1 1/2'-4' Ls. cap. Chk. 0"-2"-4' gray soapstone +*
 FLOOR *Fire Clay 6'*

DIP *Due south 3 1/2% grade.*

FAULTS, ETC. *Black slate found in clay horse back 13" below top of coal. No cleat noticed.*

GAS

COLLECTOR *Savage*

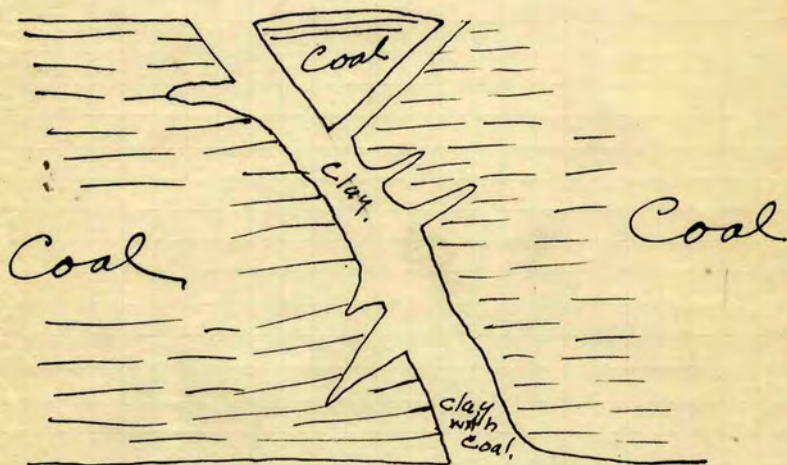
REFERENCE *N.B. 12 P. 96.*

DATE *5-0-08*
1008



Black slate fragments in clay of horseback 22" below top of coal. 0908

Considerable trouble with squeezes so that seldom can double track width be driven



All coal that passes thru 3" screen sent to washer



Washer. Machinery.

Steward. sig. 60 tons per hour

200 gals per ton of coal. Coal passes from car by conveyor to jig, then to settling tanks by Weber's Co. Conveyor. buckets 38-45 lbs each

Dirt removed between 5+6%. Passes from buckets thru screens 7/8", 1 1/2" + 2"

| | | |
|-------|-----|--------------|
| Slack | 40% | on 3" screen |
| pea | 25% | |
| nut | 20% | |
| egg | 15% | |

Capacity of washer 100 tons per hour

Settling tank 18' square, 24' deep. Cone shaped. The overflow from the settling tanks used at once.

Pumps centrifugal. 40000 gals. per hour.

High pressure pump capacity 10000 gals. per hour.

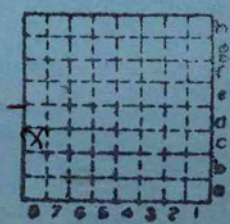
Washer loads on 2 tracks but 4 cars, by conveyors.

1008

Utilities Coal Corp

M.I. # 124

Sangamon



Sec. 8

T. 16 N. 4

R. 4 W. 4

Index No.



Mine originally operated by: (1)

Date 1919.

Bissell Coal Co.
Springfield.

Original name or number:

Illinois Coal Report _____ p.

LATER OPERATORS

Date Operator Name or No.

2 1924 Utilites Coal Corp.

3

4

5

6

7

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9

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12

13

14

Platsheet #2

* Also owners

See ownership sheet

Railroad, Wagon, Idle, Abandoned

SHIPPING MINE

before 1936 Shaft 240'

IDENTIFICATION

County No.

Coal No.

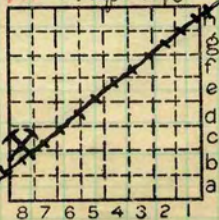
5'6"

Part 6

Quad. 158

County

Sangamon.



Sec. 8

T. 16 N.

R. 4 W.

Index No.

~~10080~~

10080

COAL MINE OPERATOR

Location and Elevation Data

Location: Exact ~~Approximate~~
 (Approximate only if no trace or record of original exists)
 Location by W. B. Roe
 Date 4-28-31 Notebook No. 602 Page 21-173
 Looseleaf ref. _____
 Map files No. 12-83-13c

Description of location

Position in sec., $\frac{1}{4}$ sec., 40 acres

_____ feet from North line
 _____ feet from East line
1450 feet from South line
300 feet from West line



Sec. 8
 T. 16 N.
 R. 4 S.
 W.

Other description: _____
MV
 Farm _____
 No. _____
 Company Utilities Coal Corp.
 No. _____
 County No. ~~_____~~

Elevation 577.6 ft.
 By W. B. Roe
 Method: Level, transit, alidade, hand level
Alidade
 Elevation of top casing
 Height of point above ground 1'
 Date 4-28-31 Notebook 602 P. 21-173
 Looseleaf ref. _____

Map files No. 12-83-13c
 Description of item: (drill hole, mine, etc.) Mine shaft.
240' R-R. 5'6" #5. SHIPPING MINE
 County Fergusson Quadrangle Springfield Index No. 1008CB
 (45576-1M-10-30) 7

Town, Riverton

Local Authority,

Level: Auth.,

Method,

R. R., IC.

Location: authority, Bissell Coal Co.

Surface alt., 568 ft.

Depth to coal, 234 ft.

Alt. top coal, 334 ft.

Thickness: Av. 66 in.

Max. in., Min. in.



(Show R. R.)

Operator

Mine Name or No.

19 Bissell Coal Co.

Bissell
Clear Lake

Keystone 1918

Successor to Standard Washed Coal Co.

Date (See letter April 23, 1921)

Succeeded by Utilities Coal Corp.

Date 1925 (Coal Catalog)

Succeeded by Springfield, Ill.

Date

Bissell

PRODUCTION.

| | | | | | | | | | U. S. No. |
|------|------------------|-------------|-------------|--|--|--|--|--|-----------|
| 1926 | <u>Daily exp</u> | <u>2000</u> | <u>Tons</u> | | | | | | |
| 1927 | <u>249024</u> | | | | | | | | |
| 1928 | <u>Sidle</u> | | | | | | | | |

Geol. Notes? Yes Coop. No.

Coal secs?

Analyses No. 81456-7-8-9

Examined by

Ref.

Coal bed name: Local #5 SHIPPING MINE Vein No.

County Sangamon

Index No. 1008.01

K.—ACTIVE SHIPPING OR LOCAL COAL MINE.

Entrance *Shaft*
 Kind of tippel *Steel*
 Motive power for hoist *Steam*
 Source if electrical
 Kind of hoist (cage, skip, etc.) *Cage*
 Kind of haulage *Mule*
 Mining equipment
 Note any features of the equipment that are of special interest

SURFACE DATA.

A. Topography, *Rolling*
 B. Surficial materials, (1) Character, *Till*
 (2) Thickness, (3) Effect on mining and shaft-sinking, of
 former drainage lines, underground water strata, etc.

C. Outcrops, (1) Character,
 (2) Structure,
 (3) Fossil horizons,
 Collection No.,
 (4) Evidences of subsidence,
 D. Note collection of mine maps, drill records and shaft logs.

Write Mr. Dooner, supt. for shaft logs

See drill record sheet,

E. Notes on surrounding area,

Coal bed name: Local,

Survey No. *5*

Collector, *Netzeband*

Mine, *Clear Lake*

Co. *Sangamon*

Index No. *1008-02*

L.—SURFACE SHEET (Geol.)

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

(a) Relative hardness, *Harder than Springfield district*

(b) Lustre, *Upper dull, lower bright + dull*

(c) Fracture, *Hackly*

(d) Texture, *Laminated* See

(6) Impurities in coal, other than bedded,

(a) Kind, *Pyrite lenses & fit, calcite or gypsum fit.*

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

(c) Rejected, *Lenses over 1/2"* Ease of separation, *Usually stick.* See

L. Floor: (1) Material, *Floorclay* ls. below:

(2) Thickness, *2' known. Max. or min. unknown.*

(3) Variation, *Varies from dark to light with some medium grey*

(4) Note character, condition, tendency to heave, relation to undercutting commercial value. *Hard, grey clay, black fragments, a few slickensides; heaves after standing in abandoned workings; shoo from the solid; value unknown*

See

(5) Clay sample No.

Location,

M. Stratigraphy,

(1) Fossiliferous horizons underground, *Black shale contains pyritic replacements of brachiopods. Abundant in patches.*

Collection No.

Location,

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

See

Collector, *Netzeband*

Coal: Survey No. 5

Mine, *Clear Lake* Co. *Sangamon*

Index No. *1008.02*

I
3

The roof of the mine is practically all black shale (slate). This immediately overlies the coal with a fairly regular contact. The "slate" is from 1 to 5' in thickness, massive, with some ls. & pyrite nodules. This was ~~not~~ timbered in the rooms and only occasionally in the entries.

Above this shale is limestone, hard, compact. This occasionally formed the roof where the black shale fell for a short distance. Nowhere did we observe a place where it had fallen.

The lower contact is uneven. Above the limestone is gray shale, "scopstone". The ls. was probably deposited on an erosional surface.

Roof conditions are good very little timber ^{required} the "slate" falling occasionally, giving a little trouble but not much.

The concretions project downward into the coal, making the roof uneven.

There are numerous horsebacks in the roof extending down into the coal.

Operator, *Bissal Coal Co*
 Mine, *Clear Lake*
 Location in mine, *3rd W off Main N*

Date *Sept. 10, 1921*
 Sec. *8* T. *16N* R. *4W*

| 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 16 1/2</i> |
| | | <i>2</i> | <i>Pyrite lens 3/8</i> |
| | | <i>3</i> | <i>Coal 4 1/2</i> |
| | | <i>4</i> | <i>Pyrite lens 1/2</i> |
| | | <i>5</i> | <i>Coal 16 1/4</i> |
| | | <i>6</i> | <i>Pyrite lens 1/4</i> |
| | | <i>7</i> | <i>Coal 12 1/2</i> |
| | | <i>8</i> | <i>Pyrite lens 3/8</i> |
| | | <i>9</i> | <i>Coal 12 1/2</i> |
| | | | <i>Tape 63 5/8</i> |
| | | | (Note character and thickness of floor) |
| | | | Total thickness of coal. <i>63 3/8</i> |
| | | Condition, <i>Dry, fresh.</i> | Time, <i>4</i> hr. <i>13</i> min. <i>5:30</i> |
| | | Wt. Gross, <i>26</i> lbs. | Net, <i>4</i> lbs. |
| | | What Nos. shipped by Co.? | |
| | | Excluded from sample: No. <i>2, 4, 8</i> | |
| | | Sample represents <i>62 5/16</i> in. | tons. |
| | | Impurities? How do they occur? | |

(1 division=3 in.)

Sample No. *T-21-46* Can No. *07007* Lab. No. *81456*

Collector, *Thurston* Coal: Survey No. *5*

Mine, *Clear Lake* Co. *Sangamon* Index No. *1008.02*

R.—COAL SAMPLE SHEET.

Operator, *Rissel Coal Co* Date *Sept. 10, 1921*
 Mine, *Clear Lake* Sec. *8* T. *16 N* R. *4 W*
 Location in mine, *Room 14, 3rd N off 1st F off Main N*

| GRAPHIC SECTION | | DESCRIPTION OF SECTION (AT POINT SAMPLED) | |
|-----------------|-----|---|--------|
| In. | No. | No. (Note character and thickness of roof) | Inches |
| | | Black shale roof | |
| | | 1 Coal | 18 3/4 |
| | | 2 Charcoal lens | 1/4 |
| | | 3 Coal | 7 1/8 |
| | | 4 Charcoal lens | 1/4 |
| | | 5 Coal | 7 1/4 |
| | | 6 Pyrite lens | 1/4 |
| | | 7 Coal | 9 |
| | | 8 Charcoal lens | 1/8 |
| | | 9 Coal | 6 1/4 |
| | | 10 Pyrite lens | 1/8 |
| | | 11 Coal | 12 1/2 |
| | | 12 Pyrite lens | 1/8 |
| | | 13 Coal | 10 1/2 |
| | | Tap 72 3/4 | |
| | | (Note character and thickness of floor) | |
| | | Total thickness of coal. | 72 3/4 |
| | | Condition, <i>Dry fresh</i> Time, <i>3</i> hr. <i>32</i> min. | |
| | | Wt. Gross, <i>29</i> lbs. Net, lbs. | |
| | | What Nos. shipped by Co.? | |
| | | Excluded from sample: No. <i>None</i> | |
| | | Sample represents <i>72 1/4</i> in. tons. | |
| | | Impurities? How do they occur? <i>Pyrite sp., calcite</i> | |

(1 division = 3 in.) *or gyp sum f. if*

Sample No. *7-21-47* Can No. *05761* Lab. No. *81457*

Collector, *Thurston* Coal: Survey No.

Mine, *Clear Lake* Co. *Sangamon* Index No. *1008.02*

Operator, *Richard Coal Co* Date *Sept 19, 1921*
 Mine, *Clear Lake* Sec. *8* T. *16N* R. *7W*
 Location in mine, *Room 11, 6th S. off 7th E. off Main S.*

| 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 Coal somewhat bony</i> | <i>15 1/8</i> |
| | | | <i>2 Pyrite lens</i> | <i>1/8</i> |
| | | | <i>3 Coal</i> | <i>14 1/4</i> |
| | | | <i>4 Pyrite lenses</i> | <i>1/4</i> |
| | | | <i>5 Coal</i> | <i>2 3/8</i> |
| | | | <i>6 Pyrite lens</i> | <i>1/8</i> |
| | | | <i>7 Coal</i> | <i>8</i> |
| | | | <i>8 Charcoal lens</i> | <i>1/8</i> |
| | | | <i>9 Coal</i> | <i>21 1/4</i> |
| | | | <i>10 Charcoal lens</i> | <i>1/2</i> |
| | | | <i>11 Coal</i> | <i>5 1/2</i> |
| | | | <i>Trace 68 5/8</i> | |
| (Note character and thickness of floor) | | | | |
| Total thickness of coal. | | | | <i>68 7/8</i> |
| Condition, <i>Dry Fresh</i> | | Time, <i>2</i> hr. <i>30</i> min. <i>11:00</i> | | |
| Wt. Gross, <i>27</i> lbs. | | Net, lbs. | | |
| What Nos. shipped by Co.? | | | | |
| Excluded from sample: No. <i>None</i> | | | | |
| Sample represents <i>68 7/8</i> in. tons. | | | | |
| Impurities? How do they occur? | | | | |

(1 division=3 in.)

Sample No. *7-21-48* Can No. *05729* Lab. No. *81459*
 Collector, *Thurston* Coal: Survey No.
 Mine, *Clear Lake* Co. *Sangamon* Index No. *1008.02*