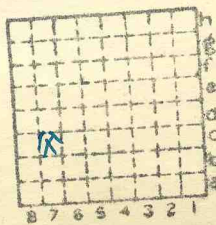


location sheet filed

Consol. CC #8

Co. # 446

MI 63



Sec. 14
 T. 8 N.
 S.
 R. 1 E.
 W.
 Index No.



Mine originally operated by: (1) **Big Muddy Coal & Iron Co.**

Date **1905**

Original name or number: **#8**
Illinois Coal Report p.

LATER OPERATORS

Date	Operator	Name or No.
2 1920	Consolidated Coal Co. (St. Louis)	#8
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		

* Also owners

#See ownership sheet

Railroad, Wagon, Idle, Abandoned

I.C. Mo.P. C.B.&Q.

IDENTIFICATION

County No. **446**

Coal No. **6**

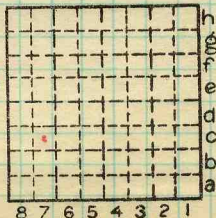


Part

Quad. **Herrin**

County **Williamson**

COAL MINE OPERATOR



Sec. **14**

T. **8** S.

R. **1** E.

Index No.

0414 c7



LOCATION AND ELEVATION

Location: side R. R.
side R. R.
side Highway No.

on top. map Location sheet

Elevation: Method, 1. Est. () ft.
2. Inst. (kind Hand Level) 398 ft.

By T.E.S. NB102 p.15 Data sheet

DEPTH

Authority To coal ft.
Authority Rail to rail ft.
Top of coal above rail. (Est. Rule) ft.
To coal 171 ft.

ALTITUDE OF TOP OF COAL

By estimated data
By instrumental data 227 ft.

Thickness

Max. in. Min. in. Aver. 108 in.

GEOLOGICAL DATA

Mine notes, date
Coop No. 63 Pyr. inv. Coal Ash inv.

CHEMICAL DATA

Analyses Face U. I. 5180-2,538, B. M. Others
Car U. I. 468,325, B. M. Others
Org. Sulf U. I. B. M. Others
Ash fusion U. I. B. M. Others
Ash anal. U. I. B. M. Others
U. I. B. M. Others

Classification

Misc. tests: Coking. Cleaning Boiler

Published descriptions:—

Railroad, Wagon, Idle, Abandoned

IDENTIFICATION

County No. 446

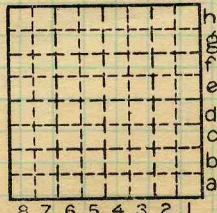
Coal No. 6



Part

Quad. Herrin

County Williamson



Sec. 14

T. 8 S.

R. 1 E. W.

Index No.

0414 c7

COAL MINE LOCATION AND DATA

Town, Clifford

Local Authority,

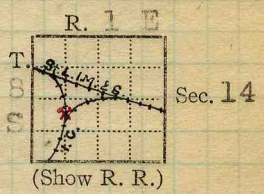
Level: Auth., TES;NB102-pl5

Method, H. L.

R. R., I. C.; ^{St. L. Mo. P.} M&St. L.; C. B. & O

Location: authority, TES;folio
Idle but not abd rtd

Surface alt., 398 ft.
Depth to coal, 160 171.35 ft.
Alt. top coal, 238 227 ft.
Thickness: Av. 108 in.
Max. in., Min. in.



Operator **GEN'L COAL REPT** Mine Name or No.

446

1905 Big Muddy Coal & Iron Co

No. 8

Successor to

Date

Succeeded by

Date

Succeeded by

Date

*Consolidated Coal Co of St. Louis
Oct. 1, 1920 see Corres 1220 22*

*Railway Exchange Bldg., Hermit #8
St. Louis, Mo.*

PRODUCTION.

QV

				Fiscal		U. S. No.	
1915				527	324		666
<i>126 Cap 2500T</i>							
<i>1925-26 Idle (Dept. of Mines)</i>							
<i>1927</i>	<i>- 0 -</i>						
<i>1928</i>	<i>- Idle -</i>						
				<i>22</i>			

Geol. Notes? Yes Coop. No. 63 Coal secs.? 6
Analyses No. 5180-2(Coop), 538, 468, 460, 325

Examined by TES;Grout;KDW; *24* Ref.

Coal bed name: Local #6 Survey No. 6

County Williamson Index No. 0414.24

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



COAL MINE NOTES.
CONTINUED.

0414

OPERATOR *Big Muddy Coal & Iron Co* MINE *8*
 ENTRANCE NAME OF COAL BED
 ELEVATION THICKNESS OF COAL
 DEPTH TO FLOOR *178* MAX. MIN. AV.
 ALTITUDE OF COAL
 LOCATION OF SECTION *Room 13, 4th S.E.*

No.	SECTION.	In.
1	<i>Top Coal</i>	<i>24</i>
2	<i>Coal</i>	<i>77</i>
3	<i>Blue Band</i>	<i>1 1/2</i>
4	<i>Coal</i>	<i>23</i>
5		
6		
7		
8		
9		
10		
11		
12		
Tape		Total

SAMPLE No. *B109*

CAN No.

CONDITION

GROSS WEIGHT

TIME EXPOSED

NOT SHIPPED

NOT INCLUDED

SECTION

Feet

24"

77

1 1/2"

23"

PHYSICAL PROPERTIES BY NUMBERS

#1 taken on retreat.

ROOF

FLOOR

DIP

FAULTS, ETC.

GAS

COLLECTOR *Bain*

REFERENCE *M.B. 15, P39*

DATE *12/1/19*

" notes on Washer. " 10, P39

0414



COAL MINE NOTES.
CONTINUED.

OPERATOR *Big Muddy Coal & Iron Co.* MINE #8 *0414*
ENTRANCE *Shaft.* NAME OF COAL BED #7
ELEVATION THICKNESS OF COAL
DEPTH TO FLOOR *178* MAX. MIN. AV.
ALTITUDE OF COAL

LOCATION OF SECTION *Cross Cut opposite Room #1, 2nd 17, West.*

No.	SECTION.	In.
1	<i>Gray Shale</i>	<i>20'</i>
2	<i>Soft Top Coal</i>	<i>12"</i>
3	<i>Coal</i>	<i>70"</i>
4	<i>Blue Band.</i>	<i>1/2"</i>
5	<i>Coal</i>	<i>22"</i>
6	<i>Fire Clay.</i>	<i>20" to 30"</i>
7		
8		
9		
10		
11		
12		
	<i>Tape</i>	<i>Total</i>

SAMPLE No. *G69*

CAN No.

CONDITION

GROSS WEIGHT

TIME EXPOSED

NOT SHIPPED

NOT INCLUDED *4*

SECTION



PHYSICAL PROPERTIES BY NUMBERS

ROOF *Gray Shale. 20'. Soft coal above makes much the best roof, but thins out in several places. Gray shale is not good roof.*
FLOOR *Fire Clay 20" to 30"*

DIP

FAULTS, ETC. *Some faults.*

GAS

COLLECTOR *Groat*

REFERENCE *NB7, P74*

DATE

01/14/14

0414



COAL MINE NOTES.

0414

COUNTY *Williamson*

TOWN

MAP No.

0414

T. *85*

R. *1 E*

S. *14 SW 1/4*

OPERATOR *Big Muddy Coal & Iron Co.*

OFFICE *St. Louis.*

MINE *8*

TIPPLE

ENGINES

BOILERS

DRUM

SHAFT

CAGE

HAULAGE

CARS

VENTILATION

DRAINAGE

SPRINKLING

WORKING SYSTEM

MINING METHODS

*Machine mined punchers.
Shots have to be put low to keep top Coal as roof.*

SIZE OF ENTRIES—MAIN CROSS ROOM 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 RESCREENED

SIZES

PER CENT

PROPORTION AND SIZE OF WASHED COAL

DAILY OUTPUT

UTILIZATION

MARKETS

FREIGHT RATES

SELLING PRICES AT MINE

COAL LAND OWNED LEASED HELD IN FEE

COST OF LAND OWNED LEASED HELD IN FEE

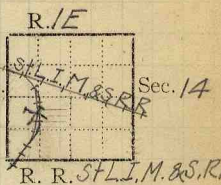
ADDITIONAL NOTES

0414

0414

COAL MINING INVESTIGATIONS
COOPERATIVE AGREEMENT

Mine Name or No., *8*
 = *1* mile from *At Clifford*
 Operator, 1912 *Big Muddy Coal and Iron Co. B.S.T.*
 Operator, 191



Entrance, *shaft* Elev., ft. { above,
 Depth to bottom coal, *173* ft. Alt. below.

SURFACE DATA.

- A. Topography *Flat to Rolling.* See
- B. Surficial materials, (1) Character *Sandy Yellow clay*
Write office regarding quicksand, Log of shaft.
 (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, #*6*

Survey

Collector, *R. White*

State No. **0414**

Mine, #*8*

Co. Williamson Co-op. No. *63*

UNDERGROUND DATA (cont'd.)

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

(a) Relative hardness, *Top and bottom bench hardest.**Bottom bench harder than top.*(b) Lustre, *Bright*(c) Fracture, *Hackly*(d) Texture, *No wood structure*

See Sheet#

(6) Impurities in coal, other than bedded,

(a) Kind, *Some Sulphur balls and streaks.*

(b) Position and persistence,

Irregular(c) Rejected, *Yes.*Ease of separation, *By hand.*

See Sheet#1

L. Floor: (1) Material *Clay*(2) Thickness *8' to 21-6" Average 6'*

(3) Variation

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

Under clay of a dark gray color, with considerable amount of carbon. Clay breaks into rounded pieces with slick faces. Heaves badly. Bastard Ls below clay.

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, *KD White*Coal # *6*State No. *0414*Mine, # *8*Co. *Williamson*Co-op. No. # *63*

INDEX

K₅

Section South Side

- 1 Top coal concealed
- 2 Middle Bench, coal bright, and fairly hard, considerable glance coal, some dirt and sulphur bands and a little calcite 5'
- 3 Blue Band 1"
- 4 Bottom coal slightly dirtier and harder 2'

Cleat Face N17°E
Butt N30°W

Top coal very bright, containing much glance and a small amount of dull coal 18"

Section North Side 4N.W. Room 72

- 1 Top coal 15"
- 2 Middle Bench bright (similar to other section) 66"
- 3 Blue Band 3/4"
- 4 Bottom Coal 22"

- Coal improves going south from shaft.

G Gray shale is irregularly bedded, this may account for it being so hard to keep up.

Spots of black slate are scattered over mine, water is reported with all these occurrences.

Roof falls badly when top coal comes down.

K₅

Coal under gray is cleaner and better than under the black slate

L Large masses of pyrite and carbonized wood occur in bottom, maybe replaced roots.

K₅

General dip of coal is to the north

Collector K D White

Coal #6

State No. 0414

Mine #8 (Clifford)

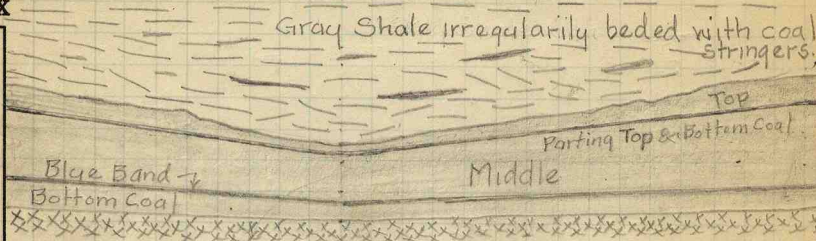
Co. Williamson

Co-op No. #63

X.—EXTRA SHEET No. 1

INDEX

K3



S.W. Between Room 15 to 17.

Roll occurs on 2nd S.W. Bet. Room 24 and 25.
Some coal cut out black slate as roof.

At times top coal entirely cut out.

Rolls occur mostly in swags. Crest of hills generally cut into bottom coal.

Coal in the rolls have considerable more dirt.

Collector K D White

Mine # 8

X.—EXTRA SHEET No. 2

Coal # 6

Co. Williamson



State No.

Co-op No. 63

0414

copying
6



COAL MINING INVESTIGATION

COOPERATIVE AGREEMENT

Operator, *Big Muddy Coal & Drift* Date, *7/23* 191*2*
 Mine, # *8* Located *3* miles *N.W.* from *Herrin*
 Location in mine, *2 St. B. Run*
 Total (vertical) depth from surface at point of sampling, *98* ft.

In describing the beds and character of the members, note any member that is rejected by the miner. Note all clay and sulphur partings, whatever their thickness. Exclude from sample all clay and sulphur partings $\frac{3}{8}$ inch thick or over (and even those of less thickness if they are rejected at mine or tipple).

SECTION OF BED AT POINT SAMPLED

No.	DESCRIPTION	FEET	INCHES
1	<i>coal</i>	<i>7</i>	
2			
3			
4			
5		<i>135</i>	
6			
7			
8		<i>136</i>	
9	<i>Top coal not included</i>		
10			
11			
12			
13			
14			
15			
16			
17			
	TOTAL,	<i>7</i>	

Is coal wet or dry? *Dry* ✓
 Time exposed, *48* hours, minutes.
 Weight, *49* gross, net.
 What are the impurities, and how do they occur? *None*

What are shipped? *None*
 What are excluded from the sample?

*Direction (N., NE., etc.). Coal bed, *6*
 †Nearest railway station.

Town, *Clifford* Mine, # *54* Co. *Williamson*
 Sample No. Can No. No. *63* *0414*
 I.—COAL SAMPLE SHEET. Sampler, *J.M. Webb*
#5180



COAL MINING INVESTIGATION

COOPERATIVE AGREEMENT

Operator, *Big Bend Coal & Stone* Date, *7/23* 191*20*
 Mine, *Big Bend Coal & Stone* Located *3* miles *W* from *Herrin*.
 Location in mine, *Room 44, 62 ft.*
 Total (vertical) depth from surface at point of sampling, *180* ft.

In describing the beds and character of the members, note any member that is rejected by the miner. Note all clay and sulphur partings, whatever their thickness. Exclude from sample all clay and sulphur partings $\frac{3}{8}$ inch thick or over (and even those of less thickness if they are rejected at mine or tippie).

SECTION OF BED AT POINT SAMPLED

No.	DESCRIPTION	FEET	INCHES
1	Coal	4	10
2	Blue dirt band		1
3	coal		8 1/4
4	Blue dirt band		1 1/4
5	coal	1	11
6			
7			
8			
9	<i>Top coal not in</i>		
10	<i>cluded.</i>		
11			
12			
13			
14		184	
15		<i>135</i>	
16		<i>90 1/4</i>	<i>6 1/4</i>
17		<i>2 1/4</i>	
TOTAL, 0		<i>14</i>	<i>11 1/4</i>

Is coal wet or dry? *Dry*
 Time exposed, *5.6* hours, *56* minutes.
 Weight, *44* gross, *58* net.

What are the impurities, and how do they occur? *Blue dirt band*

What are shipped? *1, 3, 5*

What are excluded from the sample? *2, 4*

*Direction (N., NE., etc.) Coal bed, *6*
 †Nearest railway station.

Town, *Clifford* Mine, *# 8* Co. *Wellington*
 Sample No. *3* Can No. *48* No. *623 0414*

I.—COAL SAMPLE SHEET. Sampler, *JMR*

#5181



COAL MINING INVESTIGATION

COOPERATIVE AGREEMENT

Operator, *Big Muddy Coal & Drift* Date, *7/23* 191*2*
 Mine, # *8* Located *3* miles* from *Herrin Ill.*
 Location in mine, *Face 2 S. W. entry*
 Total (vertical) depth from surface at point of sampling, *180* ft.

In describing the beds and character of the members, note any member that is rejected by the miner. Note all clay and sulphur partings, whatever their thickness. Exclude from sample all clay and sulphur partings $\frac{3}{8}$ inch thick or over (and even those of less thickness if they are rejected at mine or tippie).

SECTION OF BED AT POINT SAMPLED

No.	DESCRIPTION	FEET	INCHES
1	Coal	1	2
2	Blue dirt band		$\frac{3}{4}$
3	Coal	1	3
4	Blue dirt band		$\frac{3}{4}$
5	Coal	3	9
6	Clay band		1
7	Coal	2	2
8			
9			
10	<i>Hop coal not</i>		
11	<i>included.</i>		
12			
13			
14			
15			
16			
17			
TOTAL,		7	6 $\frac{1}{2}$

Handwritten red notes: 90/134, 2 1/2, 134, 138

Is coal wet or dry? *moist*
 Time exposed, *45* hours, *3* minutes.
 Weight, *45* gross, *6* net.

What are the impurities, and how do they occur? *Blue dirt bands*

What are shipped? *1 3 5 7*
 What are excluded from the sample? *2 4 6*

*Direction (N., NE., etc.). †Nearest railway station.

Town, *Clifford* Mine, # *8* Co. *Wells*
 Sample No. Can No. *52* No. *63 0414*

I.—COAL SAMPLE SHEET. Sampler.

#5182

J. M. ...