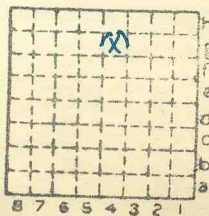


Hofes Washed CC #3

457

MI 64



Sec. 36

T. 8

R. 1

Index No.

~~N~~
S.
E.
~~W~~



Mine originally operated by: (1)

Hafer Washed Coal Co.

Date
1906

Original name or number: #3
Illinois Coal Report p.

LATER OPERATORS

Date Operator Name or No.

2

3

4

5

6

7

8

9

10

11

12

13

14



* Also owners

#See ownership sheet

Railroad, Wagon, Idle, Abandoned

I.C Coal Belt

SHIPPING MINE IDENTIFICATION

County No. 457

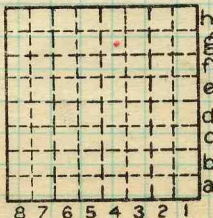
Coal No. 6



Part

Quad. Herrin

County Williamson



Sec. 36

T. 8 S.

R. 1 E.

Index No.

0436 g

COAL MINE OPERATOR



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) 455 ft.

By T.E.S. NB102 p.16 p.46 Data sheet

DEPTH

Authority To coal ft.
Authority Rail to rail ft.
Top of coal above rail. (Est. Rule) ft.
To coal 111 ft.

ALTITUDE OF TOP OF COAL

By estimated data
By instrumental data 344 ft.

Thickness
Max. 108 in. Min. 84 in. Aver. 96 in.

GEOLOGICAL DATA

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

CHEMICAL DATA

Analyses Face U. I. 5169-70, -72 B. M. Others
Car U. I. 5171 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

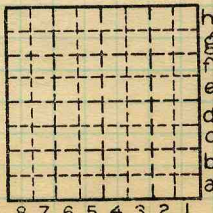
Misc. tests: Coking. Cleaning Boiler

Published descriptions: MI 64 Bull. 62

Railroad, Wagon, Idle, Abandoned

IDENTIFICATION

County No. 457 Coal No. 6
Quad. Herrin
County Williamson



Sec. 36

T. 8 S.
R. 1 E.

Index No. 0436 84

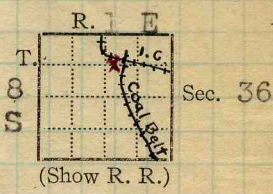
COAL MINE LOCATION AND DATA

Town, **Cartersville**
Local Authority,
Level: Auth., **TES; NB102-pl6&46**
Minenotes K.D.W.
Method, **H.L.**

Surface alt., **455** ft.
Depth to coal, **111** ft.
Alt. top coal, **344** ft.
Thickness: Av. **196** in.
Max. **108** in., Min. **84** in.

R. R., **IC; Coal Belt;**

Location: authority, **TES; folio;**



GEN'L COAL REPT
Operator **#457**

Mine Name or No.

1906 Hafer Washed Coal Co

No. 3

Successor to

Date

Succeeded by **Abandoned W.L.M.**

Date

Succeeded by

Date

PRODUCTION.

				Fiscal		U. S. No.
1915				208	672	913

*No report by
Jan 24 Coal belt
25 report
Rail
included*

Geol. Notes? **Yes?** Coop. No. **64**

Coal secs.? **7**

Analyses No. **5169-70 & -72 (Coop)**
5171

Examined by **TES; KDW**

30

Ref.

Coal bed name: Local
County **Williamson**

Survey No. **6**

Index No. **0436.67**



COAL MINE NOTES.

COUNTY *Williamson*

TOWN

MAP No. *0136*

T. *85*

R. *1E*

S. *36*

0436

OPERATOR *Hafer Washed Coal Co.*

OFFICE *Chicago*

MINE *#3*

TIPPLE

ENGINES

BOILERS

DRUM

SHAFT

CAGE

HAULAGE

CARS

VENTILATION

DRAINAGE

SPRINKLING

WORKING SYSTEM

MINING METHODS

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

**0136*

COAL LAND OWNED

LEASED

HELD IN FEE

0436

COST OF LAND OWNED

LEASED

HELD IN FEE

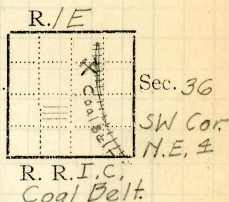
ADDITIONAL NOTES



COAL MINING INVESTIGATIONS
COOPERATIVE AGREEMENT

Mine Name or No., #3
1/2 mile NW from Fordsville
Operator, 1912 Water Washed Coal Co.

85 T.



Operator, 191

Entrance, *Shaft* Elev., 455 ft. { above,
Depth to bottom coal, 120' ft. Alt. 335' { below.

SURFACE DATA.

- A. Topography *Rolling* See
- B. Surficial materials, (1) Character
Clay
(2) Thickness, (3) Effect on mining and shaft-sinking, of former drainage lines, underground water strata, etc. *To the west and southwest the streams have eroded their channels to the top and sometimes into the coal itself, and fill up its bed to the present level. The deposit was a yellow sandy plastic clay with coarseness in filling up the entry as soon as the coal is taken out. At the face of Old 5th South East, the top of the coal is a wavy line, with yellow clay on top.* See *Sheet #1+2*
- 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 #6

Collector, *Kowhite*

State No. 0436

Mine, #3

Co. *Williamson* Co-op. No. 64

L.—SURFACE SHEET (Geol.)

UNDERGROUND DATA (cont'd.)

- K. (5) Physical character of coal in benches,
- (a) Relative hardness, *Top and bottom beds hardest.*
 - (b) Lustre, *Bright, Top and bottom coal brightest.*
 - (c) Fracture, *Blocky.*
 - (d) Texture, *Laminated to blocky* See
- (6) Impurities in coal, other than bedded, *Some cat faces.*
- (a) Kind, *Sulphur streaks.*
 - (b) Position and persistence, *Irregular but occurs over mine.*
 - (c) Rejected, *Generally.* Ease of separation, *difficult.* See
When seen
- L. Floor: (1) Material *Fire Clay below bastard Ls. sandy.*
- (2) Thickness *4" to 3'*
 - (3) Variation *Fairly constant.*
- (4) Note character, condition, tendency to heave, relation to undercutting, commercial value.
Clay becomes soft and muddy when wet, but does not heave

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, *Kowhite*

Coal #6

State No. **0436**

Mine, #3

Co. *Williamson*

Co-op. No. 64



INDEX

Section at Bottom.

Roof light gray soft shale slacks easily, in tabular pieces

- | | |
|--|--------|
| 1 Top coal not very hard, bright, with a little calcite. Cleat well developed. | 2 1/2" |
| 2 Parting dirt | 1/8" |
| 3 Middle Coal above same | 5'-2" |
| 4 Bottom Coal, (not determined) | |

Section face 3rd East, South.

- | | |
|--|--------|
| 1 Top left for roof. | |
| 2 Middle bed, some calcite along cleavage planes. a few sulphur balls and cat faces thru coal plenty of black jack streaks. Coal bright and fairly hard. cleat (N33°W + N24°E) | 5'-2" |
| 3 Blue band | 1 1/2" |
| 4 Bottom coal harder, bright, numerous dirt bands | 2 1/2" |

Section 4th W.S.

- | | |
|---|-------|
| 1 Top coal up for roof. | — |
| 2 Middle bed, Clean, hard, bright, some calcite | 5'-4" |
| 3 Blue band | 3/4" |
| 4 Lower bed hard, bright, clean coal | 2'-0" |

The cleat is varrable. Strongest developement N24°W to N33°W, North east cleat about N15°E. not so well developed.

Coal is softer to the S.W. as it nears the outcrop.

The cleat is strongest developed in the top coal. The botton bed has few cleavage planes, but a considerable number of black jack band, and a few sulphur balls and cat faces.

B3

The coal is soft and easy to dig.

At the face of 4th W.S. the blue shale remain but as a soft clay. due to weathering stream probably has cut very close to it. Coal is soft.

Collector *KD White*
 Mine *Hofer #3*

Coal #6
 Co. *Williamson*

State No. **0436**
 Co-op No. 64

X.—EXTRA SHEET No. 1



INDEX

B₃ A large amount of water comes in on the West side.

Room 6th 4th South West was abandoned on account of the large amount of water that drops from the roof. In the last three years the coal has been covered with calcite $\frac{1}{8}$ " thick and the loose pieces of coal cemented into a single mass, while the roof is covered with stalagmites.

The water is impregnated with lime and iron salts. When it is allowed to stand for any length of time a thick scum of iron + lime forms.

G Gray shale, weather with a white efflorescence 3' thick, slightly sandy, fracture irregular, falls in tabular slabs.

Above, what is called a hard pan, but is a gray shale slightly harder, containing a few sulphur nodules of irregular size, and forming the cap rock.

The soft gray shale falls badly and is harder to keep up near the rolls than elsewhere.

K₃ Top rolls a great deal especially on north side. The filling is a gray shale slightly sandy, plane parallel to the slip are slickensided.

K₃ (From Sheet #3) The slip or fault also occurs in in room 30, 3rd East, South. It makes considerable water, and has a drop of about 3' to the east, from the fault the coal rises to the east.

K₃ On the north side, the top does not cut out much coal, but the roof is very bad and falls in large bell like masses, 2' thick, 3' wide, 7' long.

Collector K. R. White

Coal #6

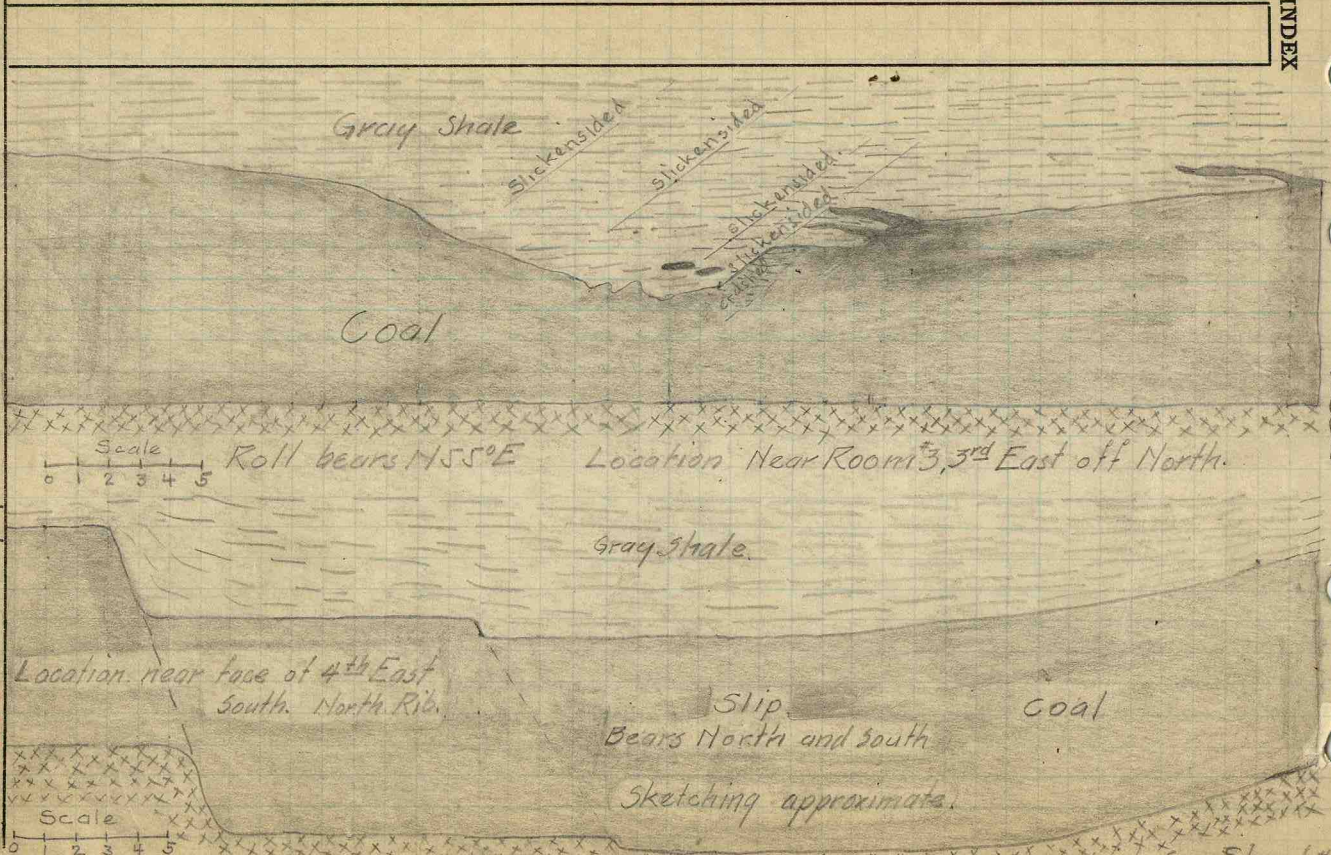
State No. 0436

Mine #3

Co. Williamson

Co-op No. 64

X.—EXTRA SHEET No. 2



Scale 0 1 2 3 4 5

Roll bears N55°E

Location Near Room 3, 3rd East off North.

Scale 0 1 2 3 4 5

Location near face of 4th East South North Rib.

Slip Bears North and South

Coal

Sketching approximate.

See Sheet #2

Collector K. C. Whitts

Mine #3

X-EXTRA SHEET No. 6

Coal #6

Co. Williamson

State No.

Co-op No. 64

0436



COAL MINING INVESTIGATION

COOPERATIVE AGREEMENT

Operator, Hofer W. & C. C. Date, 7/22 1912
 Mine, No. 3 Located 2 miles* from Casterville
 Location in mine, face 4 West N. E.
 Total (vertical) depth from surface at point of sampling, 126 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	8
2	Blue clay band		3/4
3	Coal		6
4	Blue clay band		1 1/4
5	Coal	2	2
6			
7			
8			
9			
10	No coal not included. ✓	60	18 1/2
11			
12			
13			
14			
15			
16			
17			
TOTAL,		7	6

Is coal wet or dry? Dry
 Time exposed, _____ hours, 59 minutes.
 Weight, 50 gross, _____ net.
 What are the impurities, and how do they occur? Blue clay 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, Casterville Mine, No. 3 Co. Williamson
 Sample No. 4 Can No. Sta. 2 No. 64 0436
 I.—COAL SAMPLE SHEET. Sampler, J.M.W.

#5169



COAL MINING INVESTIGATION

COOPERATIVE AGREEMENT

Operator, *Holy Washed* Date, *7/22* 191 *2*
 Mine, *103* Located *2* miles* from † *Cartersville*
 Location in mine, *4 West*
 Total (vertical) depth from surface at point of sampling, *50* 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	coal		7
2	clay band (blue)		18
3	coal		11
4	clay band		14
5	coal	3	
6	blue clay band		3
7	coal	1	
8			
9			
10	Hop coal not included	1	3
11		1	6
12		1	6
13		1	6
14		12	5
15			
16			
17			
	TOTAL,	6	6 ³ / ₄

Is coal wet or dry? *moist*
 Time exposed, _____ hours, *53* minutes.
 Weight, *40* gross, _____ net.
 What are the impurities, and how do they occur? *Blue clay band*
 What are shipped? *1 3 5 8 2, 4, 6*
 What are excluded from the sample? _____
 *Direction (N., NE., etc.) _____ †Nearest railway station. *Cartersville*

Town, *Cartersville* Mine, *103* Co. *Williamson*
 Sample No. *3* Can No. *203* No. *64*

I.—COAL SAMPLE SHEET. Sampler. *64 043*
 # *5170*

COAL MINING INVESTIGATION

COOPERATIVE AGREEMENT

Operator, *Naves Washed C. Co.* Date, *7/22* 191*2*
 Mine, *No. 3* Located *2* miles* *NE* from † *Carterville*
 Location in mine, *2 E. South*
 Total (vertical) depth from surface at point of sampling, *1915* 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	2
2	Clay band		$\frac{1}{2}$
3	Coal		$\frac{5}{8}$
4	Clay band		$\frac{1}{2}$
5	Coal	2	
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
TOTAL,		6	10

128
 Dip out
 ✓

Is coal wet or dry? *moist*
 Time exposed, *47* hours, *52* minutes.
 Weight, *47* gross, net.
 What are the impurities, and how do they occur? *clay bands*

What are shipped? *1 3 4 5*
 What are excluded from the sample? *6*
 Coal bed, *6*
 *Direction (N., NE., etc.) †Nearest railway station.

Town, *Carterville* Mine, *No. 3* Co. *W. Va.*
 Sample No. *51* Can No. *51* No. *64 0436*



COAL MINING INVESTIGATION

COOPERATIVE AGREEMENT

Operator, *Haley Washed C.C.* Date, *7/22* 191-*2*
 Mine, *No 3* Located *2* miles* *NE* from † *Cartersville*
 Location in mine, *Room 33, 288*
 Total (vertical) depth from surface at point of sampling, *125* 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 clean & bright</i>	<i>1</i>	<i>6</i>
2			
3			
4			
5			
6		<i>126</i>	
7			
8			
9			
10	<i>H of coal sample ✓</i>		
11			
12			
13			
14			
15			
16			
17			
TOTAL,		<i>1</i>	<i>6</i>

Is coal wet or dry? *dry ✓*
 Time exposed, *15* hours, *15* minutes.
 Weight, *12* gross, *12* net.
 What are the impurities, and how do they occur? *none*

What are shipped? *total*
 What are excluded from the sample?

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

Town, *Cartersville* Mine, *No 3* Co. *Williamson*
 Sample No. *2* Can No. *34* No. *64*
 COAL SAMPLE SHEET. Sampler. *J.M.H.*
 #5172 0436