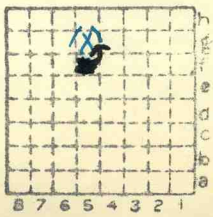




Johnson City Washed & White Ash

413

✓
MI # 150



Sec.	31
T.	8
R.	3
Index No.	



Mine originally operated by: (1)

Johnson city Washed Coal Company

Date 1921

Original name or number: White Ash
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 Before 1930

SHIPPING MINE

IDENTIFICATION

County No. 413

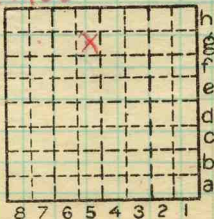
Coal No. 6



Quad. W. Frankfort

Part

County Williamson



Sec. 31

T. 8 S.

R. 3 E.

Index No.

0231 g5

COAL MINE OPERATOR



Period						Tons
Mo.	Day	Year	Mo.	Day	Year	

SUMMARIES

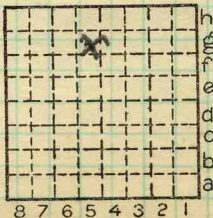
No. to No.

Railroad, Wagon, Idle, Abandoned
IDENTIFICATION

County No. **413** Coal No.

Quad. **W. Frankfort 5**

County **Williamson**



Sec. 31

T.	8	N.
R.	3	E.
		W.

Index No.

0231 g⁵



LOCATION AND ELEVATION

Location: SW side Mo. Pac. R. R. side R. R. side Highway No.

on top. map Ph. l. Location sheet X

Elevation: Method, 1. Est. () ft. 2. Inst. (kind P. table) 460.5 ft.

By W. B. Roe 14-100-45 Data sheet

DEPTH

Authority L. C. Boatright M. Man. To coal 107 ft. Authority Rail to rail ft. Top of coal above rail. (Est. Rule) 253.5 ft. To coal ft.

ALTITUDE OF TOP OF COAL

By estimated data By instrumental data 453.5 ft.

Thickness

Max. 108 in. Min. 48 in. Aver. 84 in.

GEOLOGICAL DATA

Mine notes, date 1921 (Wilson-Netzband)

Coop No. 150 Pyr. inv. Coal Ash inv.

CHEMICAL DATA

Analyses Face U. I. B. M. 12793-6 Others Car U. I. 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 R. I. 135 U. C. I 146

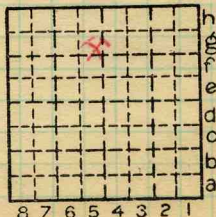
Misc. tests: Coking. Cleaning Boiler

Published descriptions:—

Railroad, Wagon, Idle, Abandoned

IDENTIFICATION

County No. 413 Coal No. Part 5 Quad. W. Frankfort County Williamson



Sec. 31

T. 8 S. R. 3 W.

Index No.

0231 g5

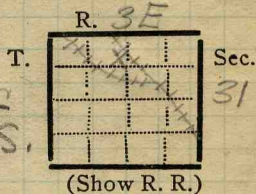
COAL MINE LOCATION AND DATA



Town, *White Ash*
 Local Authority, *WE Roe. P.T. 1932*
L.C. Boatright, Mine Man.
 Level: Auth., *(Chas. Shertz)*
 Method, *GHC. NB. 88 P. 32 P. 11*
HL.

460.5
 Surface alt., *455* ft.
 Depth to coal, *187* ft.
 Alt. top coal, *348* ft.
 Thickness: Av. *90* in.
 Max. *108* in., Min. *48* in.

Location, T.M.
 R. R., *C. & E. I.*
Marion & Johnson City
 Location: authority, *Cady*



Operator **GEN'L COAL REPT** Mine Name or No. *#413*

1921 *Johnson City Washed Coal Co.*
White Ash Mine

Successor to *324 McCormick Bldg.*
 Date *Chicago, Ill.*

Succeeded by
 Date

Succeeded by
 Date

PRODUCTION.

					U. S. No.
1921	<i>2000 Tons per day</i>				
1925-26	<i>Idle (Sept. of mine)</i>				
1927	<i>— 0 —</i>				
	<i>Abd.</i>				

Geol. Notes? *Cady's N.B. 88, p. 32* Coop. No.

Analyses No. *12793-4-5*

Coal secs? *3*

Examined by *Wilson*

Ref.

Coal bed name: Local

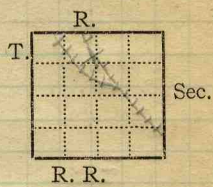
Survey No.

County *Williamson*

Index No. *0231-48*

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

Mine Name or No., *White Ash*
 4 mile N from Marion
 Operator, 1911 *Johnson City Washed Coal Co.*



Operator, 191

Took high

Entrance, *Shaft* Elev., *479* ft. } above, *sea level*
 } below,
 Depth to **bottom** coal, *98* ft. Alt. *381*

SURFACE DATA.

- A. Topography, *Trolling* See
- B. Surficial materials. (1) Character, *Till - Clayey*
- (2) Thickness, *37'* (3) Effect on mining and shaft-sinking, of former drainage lines, underground water strata, etc.
- Practically no water comes in from surface except at fault, see K3*

- C. Outcrops, (1) Character, See
- (2) Structure, *#6 Reptd to outcrop* See X 1
- (3) Fossil horizons, *2 mi S. of Marion* See
- Collection No., *beneath till.*
- (4) Evidences of subsidence, See

D. Note collection of mine maps, drill records and shaft logs.

For Elev. See P.B. Wilson, Marion
or Charley Shertz, Marion
E. Main, under Goodall Hotel

See drill record sheet,

E. Notes on surrounding area,

Sections & descriptions on Extra sheets in loose leaf Note Book, taken June 21, 1921, at Stripping pit 2 mi N. of Marion.

Coal bed name: Local, See

Collector, *Wilson* Survey No. *6*

Mine, *White Ash* Co. *Williamson* Index No. *0231.48*

L.—SURFACE SHEET (Geol.)

F. Thickness of rock above bed worked, *60' 6" Rept'd.*
 (1) Important variations, *See shaft log* See

G. Note presence of strata having important effect on mining, *See X 1*
L.S. roof in many places makes mining easier.
 (1) Position, *from 1' to 2' 6" above coal.*
 (2) Character, *Hard & durable*
 (3) Persistence, *Rept'd about 4' thick.*
 (4) Other workable coal beds, *None* See

H. Cap rock, *Limestone*
 (1) Thickness, *Rept'd 4' but see X 2*
 (2) Height above coal, *1" to 2' 6"* See X 1

I. Immediate roof, *Draw slate*
 (1) Thickness, *1" to 2' 6"* (2) Contact with coal,
Contact often irregular because of lenses of white top.
 (3) Horizontal variation, *of white top.* See

J. Draw slate. (1) Thickness, *1" to 2' 6"* (2) Contacts
 (3) Persistence, *In most of mine.* 37 6 Till Clay

K. Coal bed: Max. *108* Min. *48* Av. *84* inches
 (1) Benches, *Top coal, 15" thick*
 (a) Position, *this top coal is usually left for a roof.*
 (b) Persistence, *Thruout mine* 40 S.S. See
 (2) Bedded impurities, kind, position in benches, persistence, ease of separation.

B.B. Shale, 1-2" thick.

See 14 Gray Rock
 4 L.S.
 (3) Irregularities in continuity of bed (due to deposition, erosion, or movement), *Rolls see X 3* 2 6 D.S.
Fault in N.E. See X 2 7 Coal
 30 F.C.
Water; Coal drops out See X 2 = = L.S.

SECTION				
Ft.	In.	Name	Index	Sym.
37	6	Till Clay		
40		S.S.		
14		Gray Rock		
4		L.S.		
2	6	D.S.		
7		Coal		
		30 F.C.		
		L.S.		

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

(a) Relative hardness, *Bottom slightly harder*(b) Lustre, *Bright at top to dull at bottom*(c) Fracture, *Hackly*(d) Texture, *Laminated* See

(6) Impurities in coal, other than bedded,

(a) Kind, *FeS₂ & CaCO₃ stringers*(b) Position and persistence, *In middle & top; none below B.B.*

(c) Rejected, Ease of separation,

where possible, yes. SeeL. Floor? (1) Material, *F.C.*(2) Thickness, *30" to L.S.*

(3) Variation,

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

Heaves badly when wet.

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, *Wilson*Coal: Survey No. *6* Mine, *White Ash*Co. *Williamson*Index No. *0231-48*

C. 2 or 3 mi S. of this mine #6 seam is stripped and mined. Here a l.s. caps it in one place (2 mi. N. of Marion, just at the end of the concrete road) and this lime contains gastropods, brachiopods and corals. It is described in sections taken June 21, 1921.

Also about 3 mi. north of here the s.s., probably the one shown in the shaft log on the "L" sheet, is found outcropping in the creek bottoms. It is also described in sections taken June 21, 1921.

G. Although the draw slate (1" to 2'6") is as a rule between the l.s. and coal some variations occur as follows.

A. The "white rock" or gray soft shale in some places occurs as lenses from 4-6' thick, as in the W. Va. mine which holes into this mine. This white rock or "white top" softens and falls. It seems characteristic of this vicinity.

B. A black slate 1-2' thick occurs over the coal in places. It contains concretions but makes a good roof.

C. The black slate beneath the "white top" does not make a very good roof, but this combination is seldom found.

Note: This mine has been shut down since April 1, 1921, on account of a strike, but it is still in good shape.

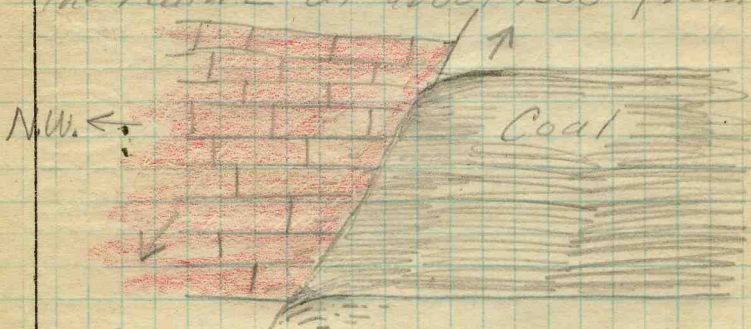
K3

Location Face of 12th N.E. Fault
cuts out coal.

Strike $N55^{\circ}E$

Dip to N.W.

Same fault, or the end of it, strikes
the Main E at about 1500' from bottom.



Could not get to the fault because
of water but illustration shows
it as well as possible

Fault apparently starts in Main
E 1500' from bottom and gets worse
as it advances to the N.E.

Fault is shown on Mine Map
where its strike is given as $N55^{\circ}E$.

Movement rept'd to be 15', when a
survey of this fault was made

Much water comes down thru
the fault and makes mining there
very difficult.

Mines 6 mi. to the E. are 200' deep
as compared with this shaft which
is 98'.

K₃ Ralls; these seem to be caused by depositional? lenses of soft white shale on the top of the coal, they are fairly common thru out the mine. The coal usually is thinner beneath these lenses but it was reptd. that in some cases the coal maintained its average thickness and was apparently bent down. The lenses vary from 1 to 6' in thickness and some are 40-50' long. Lenses of this type are also sometimes found in the coal, and are often seen in the mines of this vicinity.

Operator, *Johnston City Washed Coal Co.* Date *June 22, 1921*
 Mine, *White Ash* Sec. *31* T. *95* R. *3E*
 Located, *4 NE* miles from *Marion*
 Location in mine, *Face 1st N.E.*

GRAPHIC SECTION		DESCRIPTION OF SECTION (AT POINT SAMPLED)		
In.	No.	No.	(Note character and thickness of roof)	Inches
			<i>Black shale roof</i>	
<i>8</i>	<i>1</i>	<i>1</i>	<i>Coal (left as roof) 3" App.</i>	
		<i>2</i>	<i>Coal, pyrite stringers</i>	<i>40"</i>
		<i>3</i>	<i>Pyrite</i>	<i>1/8</i>
		<i>4</i>	<i>Coal</i>	<i>8</i>
		<i>5</i>	<i>Charcoal</i>	<i>1/4</i>
<i>40</i>	<i>2</i>	<i>6</i>	<i>Coal</i>	<i>9</i>
		<i>7</i>	<i>BB clay + pyrite</i>	<i>1</i>
		<i>8</i>	<i>Coal</i>	<i>17</i>
			<i>74" tape</i>	
<i>1/8</i>	<i>3</i>			
<i>8</i>	<i>4</i>			
<i>7</i>	<i>5</i>			
<i>9</i>	<i>6</i>			
<i>1</i>	<i>7</i>			
<i>17</i>	<i>8</i>			
			(Note character and thickness of floor)	
			Total thickness of coal.	<i>82</i>
		Condition, <i>As mined</i>	Time, hr.	min.
		Wt. Gross, <i>30</i> lbs.	Net, lbs.	
		What Nos. shipped by Co.?	<i>2, 3, 4, 5, 6, 8</i>	
		Excluded from sample: No.	<i>1, 7</i>	
		Sample represents	<i>73</i> in.	tons.
		Impurities? How do they occur?	<i>Bedded, pyrite lenses & vertical stringers</i>	

Sample No. *1* Can No. *N-21-60* Lab. No. *12793*

Collector, *Netzaband* Coal: Survey No. *6*

Mine, *White Ash* Co. *Williams* Index No. *0231.48*

Operator, *Johnston City Washed Coal Co.* Date *June 22, 1921*
 Mine, *White Ash* Sec. *31* T. *95* R. *3 E*
 Located, *4 NE* miles from *Marion*
 Location in mine, *Face, Main East*

GRAPHIC SECTION		DESCRIPTION OF SECTION (AT POINT SAMPLED)		
In.	No.	No.	(Note character and thickness of roof)	Inches
			<i>Black shale roof</i>	
<i>8</i>	<i>1</i>	<i>1</i>	<i>Coal (left as roof) 8" tape.</i>	
		<i>2</i>	<i>Coal pyrite stringer</i>	<i>24</i>
		<i>3</i>	<i>Pyrite</i>	<i>3/8</i>
<i>24</i>	<i>2</i>	<i>4</i>	<i>Coal</i>	<i>2 1/2</i>
		<i>5</i>	<i>Pyrite</i>	<i>1 1/4</i>
		<i>6</i>	<i>Coal</i>	<i>3 1/2</i>
<i>8</i>	<i>3</i>	<i>7</i>	<i>Clay</i>	<i>1/4</i>
		<i>8</i>	<i>Coal</i>	<i>5</i>
<i>9 1/2</i>	<i>4</i>	<i>9</i>	<i>Pyrite</i>	<i>1 1/2</i>
<i>17 3/2</i>	<i>5</i>	<i>10</i>	<i>Coal</i>	<i>8</i>
<i>7</i>	<i>6</i>	<i>11</i>	<i>BB</i>	<i>1 3/4</i>
<i>5</i>	<i>7</i>	<i>12</i>	<i>Coal</i>	<i>12</i>
<i>1 1/2</i>	<i>8</i>			
<i>8</i>	<i>9</i>			
<i>1 1/2</i>	<i>10</i>			
	<i>11</i>		<i>66" tape</i>	
<i>12</i>	<i>12</i>			
(Note character and thickness of floor)				
Total thickness of coal.				<i>74</i>
Condition, <i>As mined</i>		Time,	hr.	min.
Wt. Gross, <i>25</i> lbs.		Net,	lbs.	
What Nos. shipped by Co.?		<i>2, 4, 6, 7, 8, 10, 12</i>		
Excluded from sample: No.		<i>1, 3, 5, 9, 11</i>		
Sample represents		<i>6 1/8</i> in.	tons.	
Impurities? How do they occur?				

Sample No. *2* Can No. *N-21-61* Lab. No. *12794*
 Collector, *Netzeband* Coal: Survey No. *6*
 Mine, *White Ash* Co. *Williamson* Index No. *0231-48*
 R.—COAL SAMPLE SHEET.

Operator, *Johnston City Washed Coal Co.* Date *June 22, 1921*
 Mine, *White Ash* Sec. *31* T. *95* R. *3E*
 Located, *4 NE* miles from *Marion*
 Location in mine, *Room 57 - Main West*

GRAPHIC SECTION		DESCRIPTION OF SECTION (AT POINT SAMPLED)		
In.	No.	No.	(Note character and thickness of roof)	Inches
			<i>Black slate roof</i>	
<i>12</i>	<i>1</i>	<i>1</i>	<i>Coal (left as roof) 12" app.</i>	
		<i>2</i>	<i>Coal</i>	<i>15</i>
<i>15</i>	<i>2</i>	<i>3</i>	<i>Charcoal</i>	<i>3/4</i>
		<i>4</i>	<i>Coal</i>	<i>6</i>
<i>3/7</i>	<i>3</i>	<i>5</i>	<i>Charcoal</i>	<i>1/2 - 3/4</i>
<i>7/6</i>	<i>4</i>	<i>6</i>	<i>Coal</i>	<i>15</i>
<i>1/2 - 3/4</i>	<i>5</i>	<i>7</i>	<i>Charcoal</i>	<i>1/2</i>
		<i>8</i>	<i>Coal</i>	<i>6 1/2</i>
<i>15</i>	<i>6</i>	<i>9</i>	<i>Pyrite + clay</i>	<i>3/4</i>
		<i>10</i>	<i>Coal</i>	<i>4</i>
<i>1/2</i>	<i>7</i>	<i>11</i>	<i>Charcoal</i>	<i>1/2</i>
<i>3/6 1/2</i>	<i>8</i>	<i>12</i>	<i>Coal</i>	<i>4 1/2</i>
<i>3/7</i>	<i>9</i>	<i>13</i>	<i>BB (clay + pyrite)</i>	<i>3/4</i>
<i>1/2</i>	<i>10</i>	<i>14</i>	<i>Coal</i>	<i>15</i>
<i>9 1/2</i>	<i>12</i>		<i>7.6" tape</i>	
<i>3/4</i>	<i>13</i>			
<i>15</i>	<i>14</i>		(Note character and thickness of floor)	
			Total thickness of coal.	<i>88</i>
		Condition, <i>As mined</i>	Time, hr. min.	
		Wt. Gross, <i>25</i> lbs.	Net, lbs.	
		What Nos. shipped by Co.?	<i>2, 3, 4, 5, 6, 7, 8, 10, 11, 12, 14</i>	
		Excluded from sample: No. <i>9, 13, 1</i>		
		Sample represents <i>74 1/2</i> in.	tons.	
		Impurities? How do they occur?		

Sample No. *3* Can No. *N-21-62* Lab. No. *12795*
 Collector, *Natzband* Coal: Survey No. *6*
 Mine, *White Ash* Co. *Williamson* Index No. *0231.48*
 R.—COAL SAMPLE SHEET.