

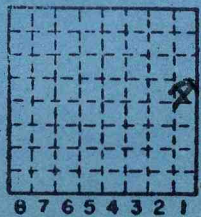


Henderson Wallace,  
#1

Co # 495

173

m.i. #178



h	Sec.	8	
g	T.	9	N.
f			S.
e	R.	3	E.
d			W.
c			
b			
a			
	Index No.		

8 7 6 5 4 3 2 1

Mine originally operated by: (1)

Date

1917

Henderson & Wallace

Original name or number:

#1, H & W

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, Strip, Idle, Abandoned

1925 shaft

IDENTIFICATION

County No. 495

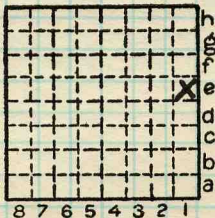
Coal No.

Coal Report No.

6

Quad.

County Williamson



Sec. 8

T. 9 N. S.

R. 3 E. W.

Index No.

0708

COAL MINE OPERATOR



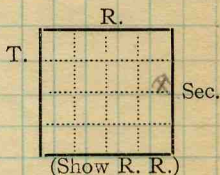
Town, *Marian*  
 Local Authority,

Surface alt., \_\_\_\_\_ ft.  
 Depth to coal, *65-67* ft.  
 Alt. top coal, *- 420±* ft.  
 Thickness: Av. *6* in.  
 Max. *7.0* in., Min. *60* in.

Level: Auth., *alt 485*

Method, *Est in field. Top map.*

R. R., *Mo Pac + Eld. Mar. + SW*



Location: authority, *Cady*

Operator

Mine Name or No.

1918 *Henderson - Wallace Coal Co.  
 Marian Ill*

Successor to

Date

Succeeded by

Date

Succeeded by

Date

*8-95-3E*

**PRODUCTION.**

								U. S. No.
19								

Geol. Notes?  
 Analyses No.

Coop. No.

Coal secs?

Examined by

Ref.

Coal bed name: Local

Survey No.

County

Index No.

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



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

- (a) Relative hardness, *Coal softer than ordinary  
Should measure it would not ship well*
- (b) Lustre, *Bright with clay streaks*
- (c) Fracture, *Not like unusual; squarish*
- (d) Texture, See
- (6) Impurities in coal, other than bedded, *Few S-streaks & white flakes*
- (a) Kind, *Sulphur and white flakes (gypsum or  $CaCO_3$ )*
- (b) Position and persistence, *in bent joint streaks*
- (c) Rejected, *only when large* Ease of separation, *fair*  
See

- L. Floor: (1) Material, *fine clay*
- (2) Thickness, *not known*
- (3) Variation, *not much known*

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

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,

Co.

Coal: Survey No. 

Index No.

Symbol	Description	Inches
	gray shale	48"+
	Coal	21"
	shaly part poorly bedded top coal floor part	
	Thin streaks of clay + charcoal few 1/8" sulphur streaks	
	wt. E. Iron.	
	"B B"	1"
		

(Scale: 1 division = 3 inches).

Sample No. Can No. Lab. No.

Collector, Co. Coal: Survey No.

Mine, Co. Index No.







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

- (a) Relative hardness, Middle probably softest  
due to shaly partings. Coal in general soft
- (b) Lustre, as usual
- (c) Fracture, " "
- (d) Texture, " " See

## (6) Impurities in coal, other than bedded,

- (a) Kind, Pyrite + calcite or gyp. in vest streaks
- (b) Position and persistence, Most in middle bench, upper part
- (c) Rejected, Small when large Ease of separation, fair See

## L. Floor: (1) Material,

- (2) Thickness, ?
- (3) Variation, ?

Gray flon clay

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

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,

Coal: Survey No. 

Mine,

Co.

Index No. 0708

Symbol	Description	Inches
	Meas on 1st E off 2nd North Gray shale	48" +
	shale parting Parting. not everywhere well developed Roof of much of mine	21
	Blue band	49"
	Coal	21

(Scale: 1 division = 3 inches).

91"

Sample No. \_\_\_\_\_ Can No. \_\_\_\_\_ Lab. No. \_\_\_\_\_  
 Collector, \_\_\_\_\_ Mine, Henderson + Wallace Co. Williamson Coal: Survey No. \_\_\_\_\_ Index No. 0708   
 Q.—COAL SECTION SHEET.

## Pyrite

### Geol. occurrence

(1) Manner. As a few larynae  $\frac{1}{8}$ " -  $\frac{1}{4}$ " pyrite also few v. sh streaks in joint cracks little or no "balls" and masses. Pyrite rarely unmyxed with coal. Commonly flaky

2 size. Saw few sulphur streaks 1" by 12"-15" but not solid. Much flaky sulphur in there. One piece solid sulphur  $\frac{1}{4}$ " x 4" x 3"

### 3 Measurements

	Location in mine	1 2 3 4 5 6						x 3	
		C	P	C	P	C	P		
1	Room 10 off Main E	730	720	730	750	720	365	0	0
2	Extreme East	770	760	751	760	760	380	3	< 1
3	Straight NE	700	630	670	730	730			0
4	" North	691	670	660					0
5	" West	81	$\frac{1}{2}$ 66	$\frac{1}{2}$ 660	690	75	$\frac{1}{2}$ 357	3	$\frac{3}{8}$ < 1
6	1st S off west	800	670	76	$\frac{1}{4}$ 69	$\frac{1}{4}$ 640	356	1	$\frac{1}{2}$ < 1

### 4 Notes

- #1 - One small streak pyr. seen 2" x 24"  
 #2 #3 = 1" bright pyrite Prod N.G.  
 #4 Sprangles of Pyrite near small balls. No balls seen "sprangles" bright  
 #5 Sample of blue band containing Pyr. Coal darker than on east side

### 5 Samples

1 - C18-2	R10. Main E	5 - C18-6	Str. W
2 - C18-3	Extreme E	6 - C18-7	2nd S. off W
3 - C18-4	Packed off cars	7 - C18-8	Bbd
4 - C18-5	Straight N(?)		

Collector: Cady      June 26, 1918      Coal No 6  
 Company: Henderson Wallace Coal Co  
 Mine: No. 1      Co. Williamson      Index No. 0708

- 7 Pyrite rejected some, unimportant  
 8 —  
 9 - Possible daily prod. negligible  
 10. Pyrite in too small quantity  
 too friable  
 :

Conditions unsuitable for  
 recovery in this mine

Geo Wallace Gen. Supt  
 Supt of West Virginia Coal Co

John Wallace Supt. Henderson-Wallace Co

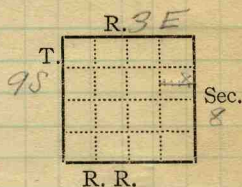
Bruce Wallace Clerk " "

John Paul Mine Manager " "

Good bunch

Collectn Cady Date June 26/18 Coal No 6  
 Company Henderson Wallace  
 Mine 1 Williamson Index No 0708

Mine Name or No., *No 7*  
*2 1/2* mile *E* from *Marion*  
 Operator, 19*21* *Henderson-Wallace*  
*Coal Co.*  
 Operator, 191



Entrance, *Shaft* Elev., ft.  $\left. \begin{array}{l} \text{above,} \\ \text{below,} \end{array} \right\}$   
 Depth to ~~bottom~~ coal, *60* ft. Alt.

## SURFACE DATA.

- A. Topography, *Rolling* See
- B. Surficial materials. (1) Character, *Till & loess*  
 (2) Thickness, *No information* (3) Effect on mining and shaft-sinking, of former drainage lines, underground water strata, etc. *No information.*

- 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,

Survey No. *6* Collector, *Wilson*Mine, *H&W. #1*Co. *Williamson*Index No. *0708.96*

L.—SURFACE SHEET (Geol.)



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

(a) Relative hardness,

(b) Lustre,

(c) Fracture, *Cleat See X 1*(d) Texture, *Laminated* See

(6) Impurities in coal, other than bedded,

(a) Kind, *Pyrite lenses & stringers*

(b) Position and persistence,

*Mostly over B.B. - few lenses below.*

(c) Rejected,

Ease of separation, See

L. Floor: (1) Material, *Floor clay, soft, light gray.*(2) Thickness, *4-5'*

(3) Variation,

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

*Floor clay heaves but little*

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, *Hend. & Wallace #1* Co. *Williamson*Index No. *0708.96*

K50

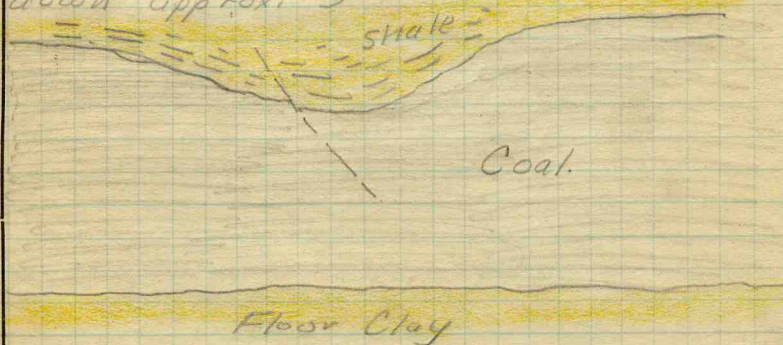
Cleat at face of 5th S off Main W  
Face  $N40^{\circ}E$ , Butt  $N42^{\circ}W$

In 5th & 6th W off Main N, cleat is very irregular or "gnarled," due probably to the presence of the "red rock." See X 2

In the 4th S off the 1st E, Face  $N42^{\circ}E$   
Butt  $N43^{\circ}W$ .

K3

Small "Roll" or fault in 5th S off Main W,  
100' from face. "Roll" trends  $N74^{\circ}E$  and  
dips to the S.E. Top of coal forced  
down approx. 3'





I In northern part of mine roof is very good and is L.S. This just occurs in patches in this part of the mine.

In S. Eastern part of mine no rock at all is found over coal and this part has had to be abandoned. In other parts of the mine a gray shale overlies 6-10" of drab slate on top of the coal. Wherever possible, however, top coal is left as roof.

In Eastern part of mine the lime pinches out leaving the clay fill over the coal. This has fallen in in several places making mining unpractical.

R9 "Red Rocks": In the 5th & 6th W. of the Main N a peculiar form of impurity in the coal made mining almost impossible. It occurred in the form of limestone boulders, apparently concretions, which varied in size from 1" to 3' in diameter and in shape from almost lenticular bodies to nearly round ones. This material is a light brownish color and is extremely hard. It occurs in the lower part of the coal bed.

Operator, *Henderson-Wallace Coal Co.* Date *July 26, 1921*  
 Mine, *No 7* Sec. *8* T. *9S* R. *3E*  
 Located, *2 1/2 E* miles from *Marion*  
 Location in mine, *Face of 5th S. off Main W.*

GRAPHIC SECTION		DESCRIPTION OF SECTION (AT POINT SAMPLED)		
In.	No.	No.	(Note character and thickness of roof)	Inches
			<i>Shale</i>	
			<i>Draw "Shale" 6-8"?</i>	
		<i>1.</i>	<i>Coal (left as roof) app. 18"</i>	
		<i>2.</i>	<i>Coal</i>	<i>8 3/4</i>
		<i>3.</i>	<i>Charcoal lens</i>	<i>1</i>
		<i>4.</i>	<i>Coal</i>	<i>9 1/4</i>
		<i>5.</i>	<i>Charcoal &amp; Coal</i>	<i>2 1/4</i>
		<i>6.</i>	<i>Coal (Pyrite stringers)</i>	<i>22</i>
		<i>7.</i>	<i>Charcoal &amp; Pyrite</i>	<i>1</i>
		<i>8.</i>	<i>Coal</i>	<i>15</i>
		<i>9.</i>	<i>B.B. (Brown Shale)</i>	<i>3/4</i>
		<i>10.</i>	<i>Coal</i>	<i>10 1/2</i>
		<i>11.</i>	<i>Charcoal</i>	<i>1/4</i>
		<i>12.</i>	<i>Coal (Pyrite stringers)</i>	<i>11</i>
			<i>Floor Clay</i>	
			<i>Tape 80 3/4"</i>	<i>81 3/4</i>
			(Note character and thickness of floor)	
			Total thickness of coal. <i>14.25</i>	<i>99 3/4</i>
			Condition, <i>Damp, fresh</i> Time, <i>9:50</i> <i>4</i> hr. <i>15</i> min.	
			Wt. Gross, <i>39</i> lbs. Net, <i>4</i> lbs.	
			What Nos. shipped by Co.?	
			Excluded from sample: No. <i>1, 9</i>	
			Sample represents <i>81</i> in. tons.	
			Impurities? How do they occur?	

Sample No. *W-21-72* Can No. *17723* Lab. No. *80673*  
 Collector, *Netzeband* Coal: Survey No. *6*   
 Mine, *Hend. & Wallace #1* Co. *Williamson* Index No. *0708.96*  
 R.—COAL SAMPLE SHEET.

Operator, *Henderson & Wallace Coal Co.* Date *July 26, 1921*  
 Mine, *No. 1* Sec. *8* T. *95* R. *3E*  
 Located, *2 1/2* miles from *E Marion*  
 Location in mine, *Room 15 off 6<sup>th</sup> N off Main N*

GRAPHIC SECTION		DESCRIPTION OF SECTION (AT POINT SAMPLED)		
In.	No.	No.	(Note character and thickness of roof)	Inches
			<i>1. Coal (Left as roof) 16"</i>	
			<i>2 Coal</i>	<i>6 1/8</i>
			<i>3 Charcoal</i>	<i>16</i>
			<i>4 Coal</i>	<i>1/8</i>
			<i>5 Pyrite &amp; Charcoal</i>	<i>2 1/2</i>
			<i>6 Coal</i>	<i>7/8</i>
			<i>7 Charcoal</i>	<i>19 1/4</i>
			<i>8 Coal</i>	<i>1 1/4</i>
			<i>9 B.B.</i>	<i>1 1/2</i>
			<i>10 Pyrite lens</i>	<i>6 1/4</i>
			<i>11 Coal</i>	<i>1 1/2</i>
			<i>12 Pyrite lens</i>	<i>9 1/2</i>
			<i>13 Coal</i>	<i>1 3/8</i>
			<i>Floor Clay</i>	
			<i>Tape 8 1/2</i>	<i>8 2 1/8</i>
			(Note character and thickness of floor)	
			Total thickness of coal. <i>14 3/8</i>	<i>98 1/8</i>
			Condition, <i>Damp</i>	Time, <i>3</i> hr. <i>15</i> min.
			Wt. Gross, <i>32</i> lbs.	Net, <i>4</i> lbs.
			What Nos. shipped by Co.?	
			Excluded from sample: No. <i>1, 9, 10, 12</i>	
			Sample represents <i>78 7/8</i> in.	tons.
			Impurities? How do they occur?	

Sample No. *W-21-73* Can No. *18099* Lab. No. *80671*  
 Collector, *Netzeband* Coal: Survey No. *6*  
 Mine, *Hend & Wallace #1* Co. *Williamson* Index No. *0708.96*  
**R.—COAL SAMPLE SHEET.**

Operator, *Henderson-Wallace Coal Co.* Date *July 26, 1921*  
 Mine, *No. 1* Sec. *8* T. *9S* R. *3E*  
 Located, *2 1/2 E* miles from *Marion*  
 Location in mine, *Room 8 off the 4th S off the 1st E.*

GRAPHIC SECTION		DESCRIPTION OF SECTION (AT POINT SAMPLED)		
In.	No.	No.	(Note character and thickness of roof)	Inches
			<i>Clay Till</i>	
			<i>Shale 1"-18"</i>	
		<i>1.</i>	<i>Coal (left as roof) 18"</i>	
		<i>2.</i>	<i>Coal</i>	<i>6 1/8</i>
		<i>3.</i>	<i>Charcoal</i>	<i>19 1/4</i>
		<i>4.</i>	<i>Coal</i>	<i>14 1/4</i>
		<i>5.</i>	<i>Charcoal</i>	<i>1 1/4</i>
		<i>6.</i>	<i>Coal</i>	<i>14 3/4</i>
		<i>7.</i>	<i>Shale &amp; Charcoal</i>	<i>1 1/4</i>
		<i>8.</i>	<i>Coal</i>	<i>16 1/2</i>
		<i>9.</i>	<i>B.B. Soft Gray Shale</i>	<i>2</i>
		<i>10.</i>	<i>Coal</i>	<i>72 1/4</i>
			<i>Floor clay</i>	
			<i>Tape 73 1/4"</i>	
<p><i>Note: Some sh. &amp; ch. coal dropped in sample from roof; was well picked out.</i>                      (Note character and thickness of floor)</p>				
Total thickness of coal.				<i>90 1/4</i>
Condition, <i>Damp</i>		Time, <sup><i>12 1/2</i></sup> <sub><i>2 1/2</i></sub> <i>2</i> hr. <i>30</i> min.		
Wt. Gross, <i>29</i> lbs.		Net, <i>4</i> lbs.		
What Nos. shipped by Co.?				
Excluded from sample: No. <i>19</i>				
Sample represents <i>71</i> in. tons.				
Impurities? How do they occur?				

Sample No. *W-21-74* Can No. *17486* Lab. No. *80672*

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

Mine, *Hend. & Wallace #1* Co. *Williamson* Index No. *0708.96*