



Form 180 Blue

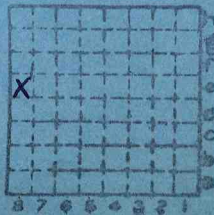
Location sheet filed - Map 2/57

Tazewell C.C.

Mine map 27

24

✓ 27



Sec. 6

T. 24 N. E

R. 4 W.

Index No.

Mine Ind 27

Mine originally operated by: (1) **Ubben Coal Co.**

Date
1901

(compiled by
MAP - 2757)

Original name or number:
Illinois Coal Report **1901** p.

LATER OPERATORS

Date	Operator	Name or No.
2 1904	Tazewell Coal Co.	
3 1906	"	No. 1 Mn.
4 1907	"	Big Four Mn
5 1908	"	Tazewell Mn
6 1911	"	Mn. No. 1
7 1915	"	Tazewell MN
8 1918	"	Mn. No. 1
9		
10		
11		
12		
13		
14		

*Also owners

#See ownership sheet

Railroad, Wagon, Strip, Idle, Abandoned

Shaft IDENTIFICATION

County No. 24

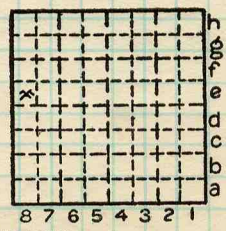
Coal No.

Coal Report No.

5

Quad.

County



Sec. **06 E8**

T. **24** N. **SK**

R. **4** W. **W.**

Index. No.

Tazewell

COAL MINE OPERATOR





(compiled by MAP -2/57)

(Sheets)

COAL PRODUCTION

(Sheet)

Period				Tons			
Mo.	Day	Year	Mo.	Day	Year		
		1901				13	800
		02				20	000
		03				225	000
		04				25	300
		05				71,	863
		06				61	748
		07				51	048
		08				74	109
		09	35		05	85	805
		10				61	287
		11				66	462
		12				126	206
		13				148	294
		14				133	760
		15				134	930
		16				130	184
		17				146	627
		18				171	087
		19				125	721
		20				112	540
		21				88	405
		22				93	267
		23				75	577
		24				46	312

SUMMARIES

No.	to	No.		
1901	to	1924	2	089 332

Railroad, Wagon, Strip, Idle, Abandoned

Tazewell Coal Co. Mine No. 1 IDENTIFICATION

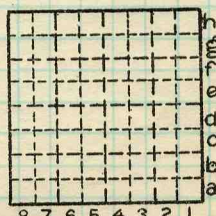
County No. 24

Coal No. 5

Coal Report No. _____

Quad.

County Tazewell



Sec. 06 E8

T. 24

R. 4 W.

Index No.

COAL MINE—PRODUCTION

ILLINOIS GEOLOGICAL SURVEY, URBANA



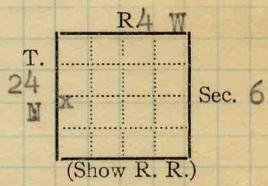
Town, Pekin
Local Authority,

Surface alt., Abt 575 ft.
Depth to coal, 162 ft.
Alt. top coal, 413 ? ft.
Thickness: Av. 56 in.
Max. 58 in., Min. 52 in.

Level: Auth., Cady

Method, Est from Uddens map
See bulletin

R. R., Big Four



Location: authority, Mine 14 Peoria Quad
Udden's Bull.

Operator

Mine Name or No.

19 Tazewell Coal Co

No. 1

Successor to

Date

Succeeded by

Date

Succeeded by

Date

PRODUCTION.

										U. S. No.
19	Production 500-700 tons daily									

Geol. Notes? Yes

Coop. No. 27

Coal secs? Yes

Analyses No.

White 1912

Examined by Cady July 22. 1918

Ref.

Coal bed name: Local

Survey No. 5

County Tazewell

Index No. 0906a

K.—ACTIVE SHIPPING OR LOCAL COAL MINE.

Town, Pekin

Local Authority,

Surface alt., 580 ft.

Depth to ^{base} coal, 160' ft.

Alt. top coal, 420 ft.

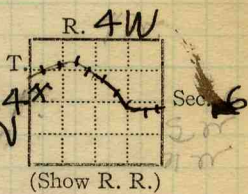
Level: Auth., U.S.G.S. Bull. 506 p.46. Thickness: Av. 56' in.

Max. in., Min. in.

Method,

R. R.,

520' from W line
255 " S. line



Location: authority, letter Tazewell Coal Co

Mine 14 Peoria Quad B 306 3/5/18

Mine notes

Operator

Mine Name or No.

19 18

Tazewell Coal Co.

Tazewell

Successor to

Date

Succeeded by

closed permanently
1925 (Coal Catalog)

Date

Succeeded by

Date

PRODUCTION.

Illinois							U. S. No.
1917	146	627	500-700 T daily				

Geol. Notes? Yes

Coop. No. 27

Coal secs.? Yes

Analyses No. 5277, 5281, 5278, (Comp)

1413

Examined by Cady July 22 '18

Ref.

Coal bed name: Local SHIPPING MINE

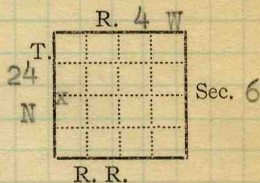
Survey No. 57

County Tazewell

Index No. 090604

K.—ACTIVE SHIPPING OR LOCAL COAL MINE.

Mine Name or No., **No. 1**
 mile from
 Operator, 191 **Tazewell Coal Co.**
 Operator, 191



Entrance, Shaft Elev., **575 ?** ft. } above, Sea level Est.
 } below,
 Depth to bottom coal, **162** ft. Alt. **413 ?**
 top
 SURFACE DATA.

- A. Topography, **Hilly** See
 B. Surficial materials. (1) Character,
 ;
 (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,

Survey No. 5

Collector, **Cady** July 22 1918

Mine, **Tazewell Coal Co.** Co. **Tazewell**

Index No. **0906a**

L.—SURFACE SHEET (Geol.)

- K. (5) Physical character of coal in benches, No benches
- (a) Relative hardness, Nothing noteworthy
- (b) Lustre,
- (c) Fracture,
- (d) Texture, See
- (6) Impurities in coal, other than bedded, Horsebacks
- (a) Kind, Clay and pyrite
- (b) Position and persistence, Possibly average every
15-20 feet
- (c) Rejected, comes with coal Ease of separation, Difficult
See
- L. Floor: (1) Material, Fire clay
- (2) Thickness,
- (3) Variation,
- (4) Note character, condition, tendency to heave, relation to undercutting commercial value. Mine dry

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



COAL MINE NOTES.

COUNTY *Tazewell* TOWN
 T. *24 N* R. *5 W*
 OPERATOR *Tazewell Coal Co.*
 OFFICE *Pekin.*
 MINE # *1 Tazewell*
 TIPPLE *Steel*
 ENGINES
 BOILERS
 DRUM
 SHAFT
 HAULAGE
 CARS *Wooden 4000 lbs.*
 VENTILATION

MAP No. *1001*
 S. *6 NE 1/4*
NW SW
 see U.S. Bull
506

CAGE *Automatic Damp.*

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 *Shaker screen* RESCREENED
 SIZES
 PER CENT

PROPORTION AND SIZE OF WASHED COAL
 DAILY OUTPUT *400 tons.*
 UTILIZATION

MARKETS
 FREIGHT RATES
 SELLING PRICES AT MINE

COAL LAND OWNED LEASED HELD IN FEE *1001 0906a*
 COST OF LAND OWNED LEASED HELD IN FEE

ADDITIONAL NOTES



COAL MINE NOTES.
CONTINUED.

OPERATOR *Tazewell Coal Co* MINE #1 *Tazewell*
 ENTRANCE *Shaft.* NAME OF COAL BED #5
 ELEVATION THICKNESS OF COAL
 DEPTH TO FLOOR *163.* MAX. MIN. AV.
 ALTITUDE OF COAL

LOCATION OF SECTION *5th W. off south Room*17, 1800' S. SW from shaft.*

No.	SECTION.	In.
1	<i>Slate</i>	<i>24</i>
2	<i>Coal</i>	<i>56</i>
3	<i>Fire Clay</i>	<i>24</i>
4		
5		
6		
7		
8		
9		
10		
11		
12		
Tape		Total

SAMPLE No. *W51*
 CAN No.
 CONDITION *Dry 56"*
 GROSS WEIGHT *30**
 TIME EXPOSED *35*
 NOT SHIPPED
 NOT INCLUDED *1/63.*



PHYSICAL PROPERTIES BY NUMBERS

ROOF *Fairly Good. slate 2'*
 FLOOR *Heaves a little. Fire Clay. 2'*
 DIP
 FAULTS, ETC. *Horse backs. numerous.*
 GAS

COLLECTOR *Wheeler* REFERENCE *M.B. 139. P. 66.* DATE *4-18-06*

09069
1001

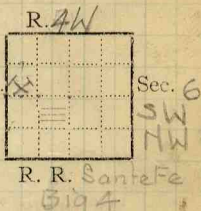


COAL MINING INVESTIGATIONS
COOPERATIVE AGREEMENT

Mine Name or No., *Tazewell*
2 mile SE from Pekin. R.R. Station.

Operator, 1912 *Tazewell County Coal Co. 24NT*

Operator, 191



Entrance, *shaft* Elev., ft. { above,
Depth to bottom coal, *172'* ft. below,
Alt.

SURFACE DATA.

- A. Topography *Hilly.* See
- B. Surficial materials, (1) Character
- (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, *5*

Collector, *K.P. White.*

Mine, *Tazewell*

L.—SURFACE SHEET (Geol.)

Survey *5*

State No. *0906 a*

Co-op. No. *27*

Co. *Tazewell*

UNDERGROUND DATA (cont'd.),

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

(a) Relative hardness, *Hard.*(b) Lustre, *Bright.*(c) Fracture, *Slightly sub-conchoidal to hackly.*(d) Texture, *Solid to banded*

See #1

(6) Impurities in coal, other than bedded,

(a) Kind,

(b) Position and persistence,

None.

(c) Rejected,

Ease of separation,

See

L. Floor: (1) Material *Fire Clay*(2) Thickness *12"*(3) Variation *constant.*

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

*Clay becomes hard 12" below coal, a dark gray color sandy, and does not slack.**The fire clay does not contain many root remains is of a medium gray color, and does not contain much sand.**The clay heaves badly in air, and even more so when it is wet. It slacks in air into small pieces.*

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, *KDW*Coal *5*State No. *0906 a*Mine, *Tazewell*Co. *Tazewell*Co-op. No. *27*

INDEX

Section - Room 15 - 1st Stub off 8th South - Main East

K5

1. Roof Black Slate
2. Coal, hard, bright, tough; solid to banded. Glance coal in thin and thick bands. Appearance of bed generally similar. Mother coal generally soft. Partings softer and thicker towards bottom. Very little sulphur in bed and what occurs is in about the middle of the coal. Calcite occurs along the faces in small amount. Cleat poorly developed. Fracture slightly sub-conchoidal breaks in irregular pieces. Coal is not blocky. Thickness 4'-6"

G

soapstone, or gray shale occurs above the cap rock. Contains ironstone nodules. Is reported to be over 40' thick. Core went that high and did not get thru.

I

Black slate filled with thin lenses of sulphur in bands parallel to the bedding. Most of the bands occur in the lower 4" of the slate. The slate is more massive than sheety. It weathers to a blue color. The concretions are in smaller amount than usual.

H

The cap rock is about the same as usually found in the district. Its contact with the slate is slightly unconformable the bottom of the limestone is covered with nodules giving it a mamillary effect. The limestone is a crystalline, slightly fossiliferous rock.

K3



Note. More sulphur always occurs with the coal in connection with clay veins than under normal conditions.

Sketch showing Fire Clay Thrust into Clay Vein

Collector K.D.W.

Coal 5

State No. 0906a

Mine Tazewell, Pekin Co. Tazewell

Co-op No. 27

COAL MINING INVESTIGATION

COOPERATIVE AGREEMENT

Operator, Tazewell Co. Coal Co. Date, Aug. 5 1912
 Mine, Tazewell Located 2 miles* E from † Pekin
 Location in mine, Face of 2nd off Main South
 Total (vertical) depth from surface at point of sampling, 160 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 tippel).

SECTION OF BED AT POINT SAMPLED

No.	DESCRIPTION	FEET	INCHES
x1	Roof-Black Shale	-	-
2	Coal - fairly clean	1	5 $\frac{3}{4}$
3	Pyrite -	0	$\frac{1}{4}$
4	Coal - clean - bright	1	11 $\frac{1}{2}$
x5	Bone -		$\frac{1}{2}$
6	Coal - fairly clean		9
7			
8	<u>Floor - fire clay</u>		
9			
10			
11			
12			
13			
14			
15			
16			
17			
TOTAL,		4	3

231 5 1/2 10 1/2

Is coal wet or dry? -Dry ✓
 Time exposed, 0 hours, 30 minutes.
 Weight, 30# ✓ gross, net.
 What are the impurities, and how do they occur? bone, pyrite in hor. streaks - CaCO₃ on cleat
 What are shipped? 2, 3, 4, 6
 What are excluded from the sample? 1, 5

Coal bed, No. 5

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

Town, Pekin Mine, Tazewell Co. Tazewell Co. Coal Co.
 Sample No. 27A Can No. ISG 561 No. 27 0906a

I.—COAL SAMPLE SHEET. Sampler. Nebel & Smith

5277

COAL MINING INVESTIGATION

COOPERATIVE AGREEMENT

Operator, *Tazewell Co. Coal Co.* Date, *8-5* 191*2*
 Mine, *Tazewell* Located *2* miles* *E* from † *Pekin*
 Location in mine, *Room 16 - 1st Stube E - 8th S off E -*
 Total (vertical) depth from surface at point of sampling, *160* 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 tippel).

SECTION OF BED AT POINT SAMPLED

No.	DESCRIPTION	FEET	INCHES
X 1	Roof-Black Slate	—	—
2	Coal-clean, bright	1	2 1/2
X 3	Pyrite lens-		2 1/2
4	Coal-clean bright		8
5	Mother of coal-soft		1/2
6	Coal-fairly clean-bright	2	3 1/2
X 7	Floor-fire clay		
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
	TOTAL,	4	5

230

Is coal ~~wet~~ or dry? *Dry* ✓
 Time exposed, *0* hours, *35* minutes.
 Weight, *30#* gross, net.
 What are the impurities, and how do they occur? *pyrite, mother of coal in hor. streaks - clay veins.*
 What are shipped? *2, 4, 5, 6.*
 What are excluded from the sample? *1-3-7*

Coal bed, # *5*
 *Direction (N., NE., etc.) †Nearest railway station.

Town, *Pekin* Mine, *Tazewell* Co. *Tazewell Co*
 Sample No. *2762* Can No. *St. D. 16* No. *Coal Co.*
 I.—COAL SAMPLE SHEET. Sampler. *Smith + Nibel* — *0906a*

5278

COAL MINING INVESTIGATION

COOPERATIVE AGREEMENT

Operator, *Tazewell Co Coal Co.* Date, *8-5* 191*2*
 Mine, *Tazewell* Located ~~2~~ miles* *E* from † *Pekin* -
 Location in mine, *Face of 2nd off Main S-*
 Total (vertical) depth from surface at point of sampling, *160* 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
<i>X</i> 1	<i>Roof-Black Slate</i>	—	—
2	<i>Coal-Fairly clean</i>	1	<i>5 3/4</i>
3	<i>Pyrite-</i>	0	<i>1/4</i>
4	<i>Coal-Clean, bright</i>	1	<i>11 1/2</i>
<i>X</i> 5	<i>Bone-</i>		<i>1/2</i>
<i>X</i> 6	<i>Coal-Fairly clean</i>		9
7			
<i>X</i> 8	<i>Floor-fire clay</i>		
9			
10			
11			
12			
13			
14			
15			
16			
17			
	TOTAL,	4	3

233

S 1/2
S 1/2

Is coal wet or dry? *Dry*
 Time exposed, *0* hours, *30* minutes.
 Weight, *30#* gross, net.

What are the impurities, and how do they occur? *Bone, pyrite in hori streaks - Ca CO₃ on cleat -*

What are shipped? *2, 3, 4, 6*

What are excluded from the sample? *1, 5*

Town, *Pekin* Mine, *Tazewell* Coal bed, *#5*
 Sample No. *27A2* Can No. *5225* †Nearest railway station, *Tazewell Co Coal Co -*
 No. *27 0906*

COAL MINING INVESTIGATION

COOPERATIVE AGREEMENT

Operator, Tazewell Co. Coal Co. Date, Aug. 5 1912

Mine, Tazewell Located 2 miles E from Pekin

Location in mine, Face Room 5-12th Stub - 12th East of S.

Total (vertical) depth from surface at point of sampling, 160 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
X 1	Roof - Black Shale	—	—
X 2	Top Coal - left up		3-4
3	Coal - clean		1 $\frac{1}{2}$
X 4	Mother of coal & pyrite		3/4
5	Coal - very dirty	4	1
X 6	Floor - fire clay		
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
	TOTAL,	4	3

5 1/4
232 50 1/4

Is coal wet or dry? - Damp ✓

Time exposed, 35 hours, 35 minutes.

Weight, 30 gross, net.

What are the impurities, and how do they occur? pyrite in horizontal & vertical streaks - mother of coal & dirt bands - CaCO₃ on cleat

What are shipped? 3, 5

What are excluded from the sample? 1, 2, 4, 6

Coal bed, No. 5

*Direction (N., NE., etc.).

†Nearest railway station.

Town, Pekin Mine, Tazewell Co. Tazewell Co. Coal

Sample No. 27B Can No. I.S.G. 25 No. 27 0906A

I.—COAL SAMPLE SHEET. Sampler. Nebel & Smith



COAL MINING INVESTIGATION

COOPERATIVE AGREEMENT

Operator, Tazewell Co Coal Co Date, 8-5-1912
Mine, Tazewell Located 2 miles* E from † Pekin
Location in mine, Room 5-15 Stvb-12th E off. 3-
Total (vertical) depth from surface at point of sampling, 160 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 3/8 inch thick or over (and even those of less thickness if they are rejected at mine or tippel).

SECTION OF BED AT POINT SAMPLED

Table with 4 columns: No., DESCRIPTION, FEET, INCHES. Rows include: 1 Roof - Black shale, 2 Top Coal - Left up, 3 Coal - clean, 4 Mother of coal - Fes., 5 Coal - very dirty, 6 Floor - fire clay, 7-17 (blank), TOTAL, 4, 3.

235

Is coal wet or dry? Damp -
Time exposed, 0 hours, 35 minutes.
Weight, 30# gross, net.
What are the impurities, and how do they occur? pyrite in hor. & vert. streaks - mother of coal - dirt bands.
What are shipped? 3.5 -
What are excluded from the sample? 1-2-4-6

Coal bed, #5

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

Town, Pekin Mine, Tazewell Co, Tazewell Co Coal Co -
Sample No. 27B2 Can No. I.S.G.S. 38 No. 27 0906 a
I.-COAL SAMPLE SHEET. Sampler, Smith + Nebel -

COAL MINING INVESTIGATION

COOPERATIVE AGREEMENT

Operator, *Tazewell Co. Coal Co.* Date, ~~8-5~~ 191 ~~2~~
 Mine, *Tazewell* Located *2* miles* *E* from † *Pekin* -
 Location in mine, *Room #16 off 1st stub E, off 8th soft E*
 Total (vertical) depth from surface at point of sampling, *160* 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
X 1	Roof-Black s/a+p	—	—
2	Coal-clean-bright	1	2 $\frac{1}{2}$
X 3	Pyrite lense		2 $\frac{1}{2}$
4	Coal-clean bright		8
5	Mother of coal-soft		$\frac{1}{2}$
6	Coal-fairly clean-bright	2	3 $\frac{1}{2}$
X 7	Floor-fire clay		
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
TOTAL,		4	5

238 58 1/2
 57 1/2

Is coal ~~wet~~ or dry? *Dry*
 Time exposed, *30* hours, *35* minutes.
 Weight, *30#* gross, net.
 What are the impurities, and how do they occur? *pyrite mother of coal in hor. streaks - clay veins numerous*
 What are shipped? *2, 4, 5, 6*
 What are excluded from the sample? *1, 3, 7*

Coal bed, *#5*

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

Town, *Pekin* Mine, *Tazewell* Co. *Tazewell Co. Coal Co.*
 Sample No. *27 C* Can No. *St. D. 35* No. *27 0906*
 I.—COAL SAMPLE SHEET. Sampler. *Smith + Nebel*

PYRITE
GEOLOGICAL OCCURRENCE

See
Extra
Sheet
No.

1. Manner Pyrite occurs as brown sulphur, as pyrite balls in the coal and as spars in the horsebacks
2. Size of Masses Pyrite balls seen up to 4-5" x 24 brown sulphur 4" by possibly 30" Spars rarely over 1/2" thick Hard pyrite uncommon
3. Measurements to determine amount

No.	Location in mine	1	2	3	4	5	Total		Px3	P %
		C P	C P	C P	C P	C P	Coal	Pyrite		
1	R. 1 stubb 8th S	54	3	12	0	0	0	270	4.5	13.5
2	R. 15 Two balls	3-4	x 14	1	2x1 1/2	1	1 1/2" x 10			Less 1
3	R. 18 One ball	3x8"	streak	1 1/2"	x 10"					Less than 1
4	R1 4S 6W:	3 brn	1 1/2" x 18"	1	solid	4" x 24"				
5	R6 4N 5W:	1 brn	1" x 12-14"							
6	Difficult to est. pyr. in horsebacks									
7										
8										
9										
10										

4. Notes Total Average
Recoverable pyrite probably less than 1%

5. Samples.

Label No.	Location in mine	Analyses, etc.
C-18-60	R 15 Solid P from ball	
C-18-62	R 3 stub 21 8S. "Spar"	
C-18-63	R 15 Clay from horseback with Pyr.	
C-18-64	R 3 21 Stub 8 S Spar from horseback	
C-18-61	Brn S and spar from nearby Johnston City mine	

6. Notes
Collector Cady Date July 22, 1918 Coal No. 5
Operator Tazewell C Co No. 27
Mine No. 1 Index No. 0906

PYRITE RECOVERY

 See
Extr
Shee
No.

7. Method of rejection of pyrite
- (1) In mine Picked out by hand
 - (2) Per cent rejected Possibly 15-20% including
 - (3) At tippie horsebacks. Supt thought about 1 ton in 6
 - (4) Per cent rejected
8. Per cent of pyrite in rejected lumps Prob. between .05 and .10% est. of little value. Solid pyr. less than .0
9. Possible daily production of pyrite
Solid pyrite possibly 200-500 lbs
10. Possibility of future production Possibility of recovering pyrite in horsebacks is of interest to management
Other pyrite prob. too small am't to bother with
11. Pyrite ever cleaned and shipped? No
- (1) Method
 - (2) How loaded
 - (3) Consignee
 - (4) Price F. O. B. cars
12. Washing: Daily tonnage of refuse No washeryN
- (1) Maximum size
 - (2) Pyrite in refuse, per cent:
 - (3) Samples. No.
 - (4) Sulphur samples. No.
 - (5) Conditions of recovery
13. General conclusion as to pyrite recovery Not especially favorable
Some good pyrite but too erratic Only in some rooms

Collector Cady Date July 22 1918 Coal No. 5

Operator Tazewell Coal Co. Mine No. 1 Co. Tazewell

Index No. 0906a

Z PYRITE SHEET (2)

K-2

Room 1 4th S entry off 6th W entry

Three brown sulphur lenses $1\frac{1}{2}$ " by 15-18" long; also one solid pyrite ball 4" by 24" in the face of the room

Room 6 4th north off 5th W off main south

One streak of brown pyrite 1" by 12-14"

Room 1 in stub off 8th south

: One brown pyrite $1\frac{1}{2}$ " and one 3" thick in face of room

Room 15 Two balls pyrite, hard sulphur, 3-4" by 8-14", one ball 2" by $\frac{1}{2}$ " and one lense $\frac{1}{2}$ " by 10"

This much sulphur is apparently very unusual for this mine

Room 18 One ball 3" by 8-10" and a lense $1\frac{1}{2}$ " by 15"

Hard sulphurs are not common. The horsebacks contain considerable pyrite, especially the spar horsebacks which are thin and the filling composed almost entirely of sulphur.

