

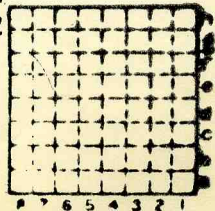


Form 180

Cosgrove Meehan Coal Co.
#5

Mi. # 76, BM44, BM45

G# 160



Sec. 22

T. 7 N.

R. 4 W.

Index No.



Mine originally operated by: (1)

Date Shoal Creek Coal Co.

1905

Original name or number:

(Panama #1)

Illinois Coal Report 1905 p.

LATER OPERATORS

Date	Operator	Name or No.
2 1924	Cosgrove Meehan Coal Co.	#5
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		



* Also owners

#See ownership sheet

Railroad, Wagon, Idle, Abandoned 1934

St. L.T.&W. SHIPPING MINE

IDENTIFICATION

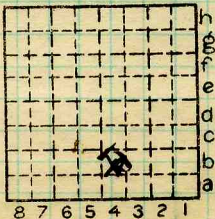
County No. 160

Coal No.

Quad. 201

Part 7

County Montgomery



Sec. 22

T. 7 N.

R. 4 W.

Index No.

2022 b4

COAL MINE OPERATOR



(Sheets) COAL PRODUCTION (Sheet)

Period						Tons	
Mo.	Day	Year	Mo.	Day	Year		
					1927	313	266

SUMMARIES

No. 1905 to No. 1935 12 623422

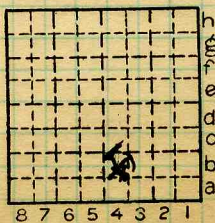
Railroad, Wagon, Idle, Abandoned

IDENTIFICATION

County No. 160 Coal No.

Quad. 201 Part 7

County Montgomery



Sec. 22

T. 7 N.

R. 4 W.

Index No. 2022 b4



LOCATION AND ELEVATION

Location: *Panama* side *T. St. L. & W* R. R.
 side R. R.
 side Highway No.

on top. map Location sheet

Elevation: Method, 1. Est. () 5 ft.
 2. Inst. (kind Co. Elev.) 538.6 ft.

By Co. Elev. Data sheet

DEPTH

Authority To coal _____ ft.
 Authority Rail to rail _____ ft.
 Top of coal above rail. (Est. Rule) _____ ft.
 To coal 374 ft.

ALTITUDE OF TOP OF COAL

By estimated data _____
 By instrumental data 164 ft.

Thickness

Max. 100 in. Min. 72 in. Aver. 84 in.

GEOLOGICAL DATA

Mine notes, date _____

Coop No. 76 Pyr. inv. Coal Ash inv.

CHEMICAL DATA

Analyses Face	U. I. <u>5105-6-7</u>	B. M. <u>21901-2-3-4-5-6</u>	Others <u>// 352-3-4</u>
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

Misc. tests: Coking. Cleaning Boiler

Published descriptions:—

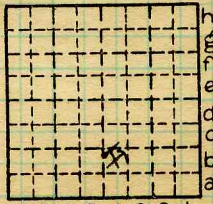
Railroad, Wagon, Idle, Abandoned

IDENTIFICATION

County No. 160
 Quad. 201
 County Montgomery

Coal No.

Part 7



Sec. 22

T. 7 N.
 S.
 R. E.
4 W.
 Index No.

2022.46

COAL MINE LOCATION AND DATA



STATE GEOLOGICAL SURVEY.

Mine Location

COUNTY
TOWNSHIP

Montgomery
7 North

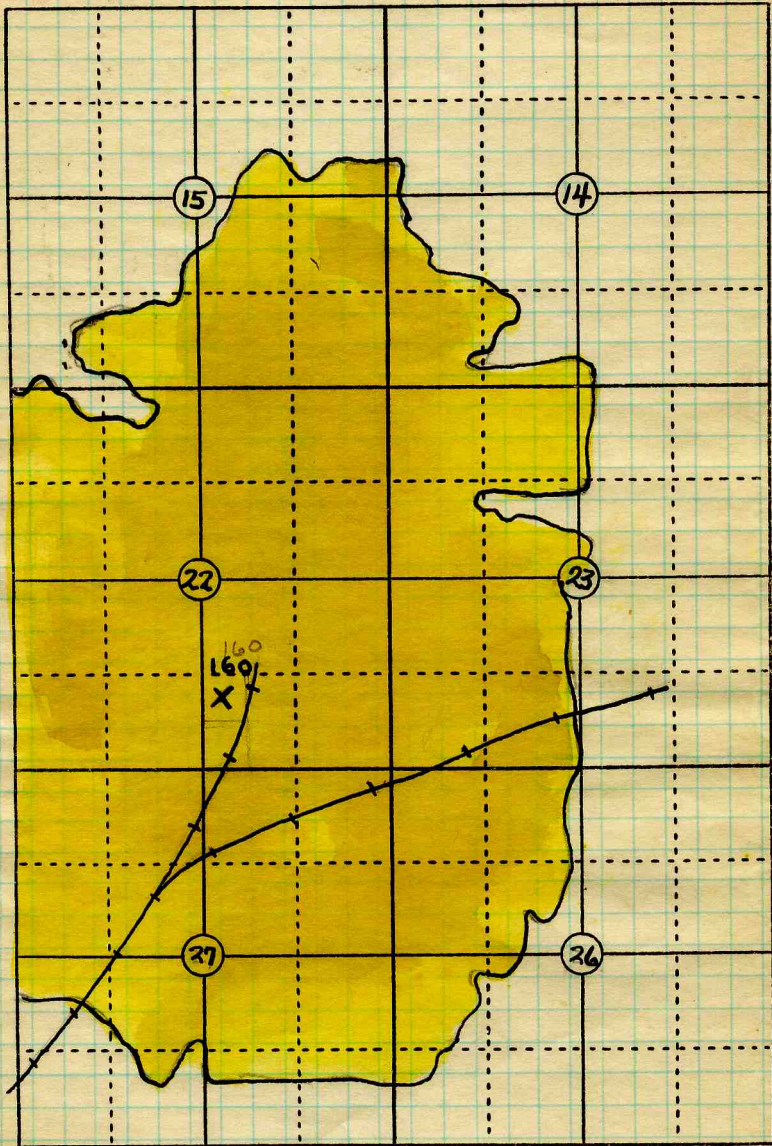
RANGE 4 West.

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
Montgomery Bond		Co "			
30	29	28	27	26	25
31	32	33	34	35	36

Operator *Shoal Creek Coal Co.*
 Office address *310 Fisher Bld., Chicago.*
 Mine name or number *Panama #1* GENERAL COAL REPT.
 Surface at mine is *537 1/2* feet above sea level or about
 _____ feet (above) (below) railroad station at _____
 Depth to bottom of coal is *381* feet GENERAL COAL REPT.
 Average thickness of coal is *7* feet _____ inches

Kindly note charges in name and address.

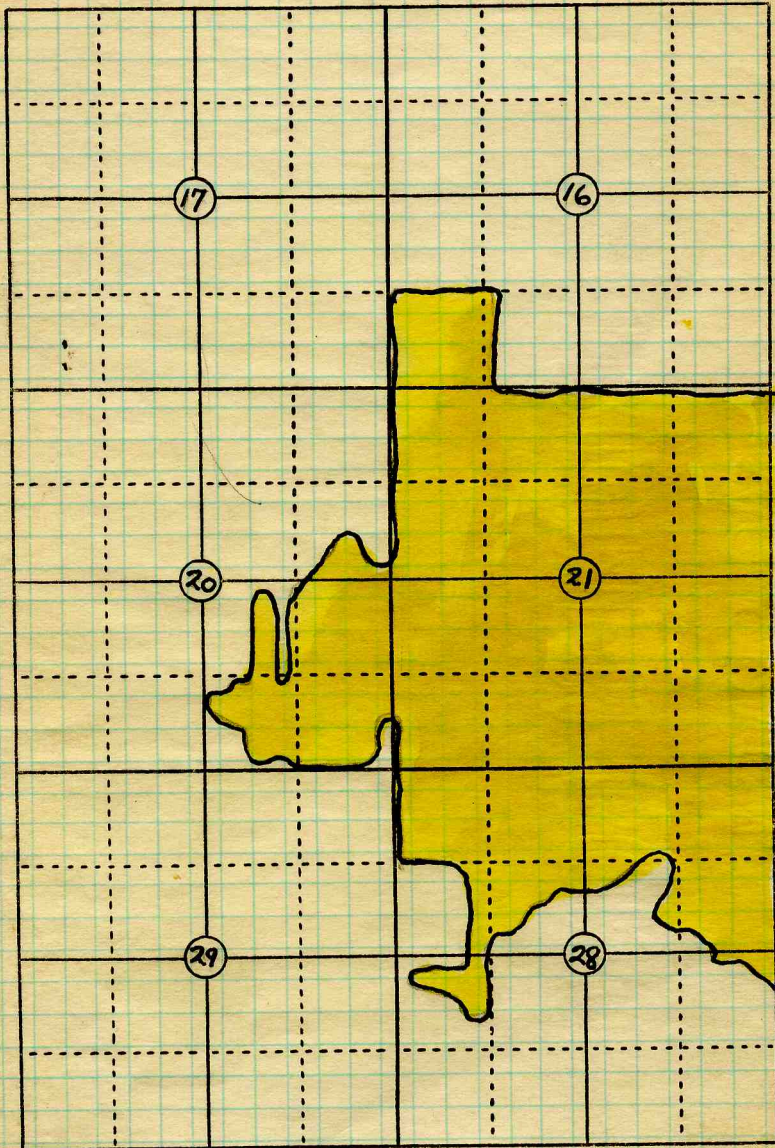
*Elevations were referred to C. B. & D. Bench Mark
 at Sorrento Crossing with T. St. L. & W.*



T7N R4W

Map. 1-1-32 Date Operator Name or No. 5.

County Montgomery Cont'd - Cosgrove-Meehan C. Co. Index No. 2022.4b



T7N-R4W

Map

Date

1-1-32

Operator

Name or No. 5.

County

Montgomery

Cosgrove-Meehan C. Co.

Index No.

2022.4b



COAL MINE NOTES.

COUNTY *Montgomery* TOWN *Tanama* MAP No. *2022*
 T. *7N* R. *11W* S. *22 SW 1/4 SE 7/4*
 OPERATOR *Shoals Creek Coal Co*
 OFFICE *Chicago*
 MINE *#1*
 TIPPLE *Steel*
 ENGINES
 BOILERS
 DRUM
 SHAFT *Wooden* CAGE *Self dump*
 HAULAGE *Electric*
 CARS *Wooden*
 VENTILATION

DRAINAGE
 SPRINKLING
 WORKING SYSTEM *Room + pillar*
 MINING METHODS *Undercut by electric chain machines*

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			<i>2022</i>

USED IN COOP. REPT. 1912.

notes incomplete % of sick outfl. + an coal mine n.r. comparat. n.



UNDERGROUND DATA

F. Thickness of rock above bed worked, *326*

(1) Important variations, *None*

See

G. Note presence of strata having important effect on mining.

Black Slate average 3' varies from 0' to 5'

See #2

(1) Position, *Between Ls. and Coal*

(2) Character, *Carbonaceous and shaly*

(3) Persistence, *Over about 50% of mine*

(4) Other workable coal beds,

See

H. Cap rock, *Ls.*

(1) Thickness, *no information*

(2) Height above coal, *0 to 5'*

See #2

I. Immediate roof, *Coal.*

(1) Thickness, *12" to 18"* (2) Contact with coal,

(3) Horizontal variation,

See #2

J. Draw slate. (1) Thickness, (2) Contacts

Clod Av. 6" to 12" varies 14" to 24"

(3) Persistence

Sheet #2

K. Coal bed: Max. *9'-0"* Min. *6'-0"* Av. *7'-0"* inches

(1) Benches, *Top Coal, Ls top 12"; black slate 18"*

(a) Position,

(b) Persistence,

See #2

(2) Bedded impurities, kind, position in benches, persistence, ease of separation.

Blue Band.

See

(3) Irregularities in continuity of bed (due to deposition, erosion, or movement).

Faults, rolls, etc.

(a) Effect on mining,

See #1

Roof bed has to be timbered

See

SECTION				
Ft.	In.	Name	Index	Sym.

Collector, *ICOW*

Coal, *6*

State No. **2022**

Mine, # *Panama*

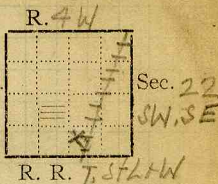
Co. *Montgomery*

Co-op. No. *76*



COAL MINING INVESTIGATIONS
COOPERATIVE AGREEMENT

Mine Name or No., #1
mile from *Al. Panama.*
Operator, 191 *Shoal Cr. Coal Co.*



Operator, 191
Entrance, *Shaft.* Elev., *526* ft. { above,
Depth to bottom coal, *376* ft. } below, **537.6**
ft. Alt.

USED IN COOP. REPT. 1912. st. map.

GENERAL COAL REPORT

SURFACE DATA.

- A. Topography *Hilly.* See
- B. Surficial materials, (1) Character
- (2) Thickness, *50'* (3) Effect on mining and shaft-sinking, of former drainage lines, underground water strata, etc.

*A little trouble in air shaft with quick sand
None in hoisting shaft.*

- 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,

Write for drill records of holes drilled 4 years ago. 3 holes.

Write company concerning sample of fire clay. willing to co-operate.

See

Coal bed name: Local, *6*

Collector, *L.D. White*

Mine, #1 *Panama*

L.—SURFACE SHEET (Geol.)

Survey *6*

State No. **2022**

Co-op. No. *76*

Co. Montgomery.

(over)

NOTE:

Roof: Blk. Slate 8"
Ls. 4'3"

Bottom: Fireclay 1'6"
Ls.

Depth: 353'

Coal thickness: 7'9"

(J.O., 1956 - taken from notes furnished
by S. Brown from old files of
Blount Bros. C.C.)



UNDERGROUND DATA (cont'd.)

- K. (5) Physical character of coal in benches,
- Relative hardness, *Top coal hardest. Middle softest.*
 - Lustre, *Top coal Bright, Other dull.*
 - Fracture, *Slightly conchoidal, hackly.*
 - Texture, *Solid, banded.* See #12
- (6) Impurities in coal, other than bedded,
- Kind, *Sulphur balls & streaks, & plates*
 - Position and persistence, *Irregular*
 - Rejected, *Jes.* Ease of separation, *by hand.* See
- L. Floor: (1) Material *Fire Clay.*
- Thickness *14' ±*
 - Variation *Fairly constant.*
 - Note character, condition, tendency to heave, relation to undercutting commercial value.

Clay heaves badly, slacks readily when exposed to air and especially so when water strikes it. Clay is gray, sandy and very hard when fresh. Lime boulders in bottom clay. Bastard Limestone below.

See

(5) Clay sample No.

Location,

Write letter
M. Stratigraphy

(1) Fossiliferous horizons underground,

Collection No.

Location,

N. Notes on effect of deep drilling in coal mine areas.

See

Collector, *KDW*Coal *6*State No. *2022*Mine, #1 *Panama*Co. *Mont.*Co-op. No. *76*



COAL MINING INVESTIGATION

COOPERATIVE AGREEMENT

Operator, Shoal Creek Coal Co. Date, July 16 1912
 Mine, No. 1 Located $\frac{1}{4}$ miles* ~~E~~ from Panama
 Location in mine, No. 1 Room 1st South Stub off 8th W. S.
 Total (vertical) depth from surface at point of sampling, 380 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 Shale		
2	Coal - Top Bench - hard - Sulphur streaks.	1	4
3	Sulphur parting - thin		
4	Coal - clean - hard	2	2
5	Sulphur		$\frac{1}{8}$
6	Coal - clean hard bright		2 $\frac{1}{8}$
7	Sulphur		$\frac{1}{8}$
8	Coal - clean hard bright		2 $\frac{1}{2}$ $\frac{1}{8}$
9	Sulphur		
10	Coal - clean - hard - bright		11
x 11	Bone		7 $\frac{3}{8}$
12	Coal - fairly clean		7
13	Sulphur		$\frac{1}{4}$
14	Coal - dirty	90	6
x 15	Bone		1 $\frac{1}{2}$
16	Coal - clean bright		2
x 17	Blue band		$\frac{1}{2}$
18	Coal - dirty		3 $\frac{1}{2}$
	TOTAL	1	3

Floor - fire clay generally
Top bench left up

Is coal wet or dry? dry ✓ Total 7-6 $\frac{1}{2}$ in ✓

Time exposed, 50# 0 hours, 25 minutes.
 Weight, gross, net.

What are the impurities, and how do they occur? Sulphur vert + hon bone & dirt in hor. streaks

What are shipped? 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 16, 18.

What are excluded from the sample? 1, 11, 15, 17.

#5107

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

Town, Panama Mine, No. 1 Co. Shoal Creek Coal
 Sample No. 76 A ✓ Can No. STD 4 ✓ No. 76 8022 Co.

I.—COAL SAMPLE SHEET. Sampler, Nepel & Smith,

Montgomery



COAL MINING INVESTIGATION

COOPERATIVE AGREEMENT

Operator, ~~Shoal Creek Coal Co.~~ Date, **7-15** 191**2**
 Mine, **#1** Located **1/4** miles **E** from ~~† Panama~~
 Location in mine, **#1 Room 2nd S. Stub off 8th E**
 Total (vertical) depth from surface at point of sampling, **380** 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
X1	Roof-Limestone		
X2	Clod		6 ✓
3	Coal-Top bench-clean	1	9
4	Coal-very bony-sulphur streaked	2	2
5	Sulphur		^{1/4}
6	Coal-very dirty & streaked	1	11 ^{1/2}
X7	Blueband shale		1 ^{1/4} ✓
8	Coal-hard-fairly clean	1	3 ^{1/4}
9			
10			
11	Floor-fire clay		149
12			
13	<u>No top coal left up.</u>		
14			
15			
16			
17			
	TOTAL,	7	3 ✓

Is coal wet or dry? **Dry** ✓
 Time exposed, **05** hours, **75** minutes.
 Weight, **75** # gross, net.

What are the impurities, and how do they occur? **solphur bone + dirt horizontally streaked.**

What are shipped? **3, 4, 5, 6, 8**

What are excluded from the sample? **1, 2, 7.**

#5106

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

Coal bed, **No. 6** ✓
 †Nearest railway station.

Town, **Panama** Mine, **#1** Co. **Shoal Creek Coal Co**

Sample No. **76 B** ✓ Can No. **Std 6 L** No. **76 2022**

I.—COAL SAMPLE SHEET. Sampler. **Nebel + Smith**

~~Std #6~~

~~not #5~~

~~page 7~~

O.K. with not
inside em,
which read #5.

J. M. Lindgren,
rec est.



COAL MINING INVESTIGATION

COOPERATIVE AGREEMENT

Operator, ~~Shoal Creek Coal Co.~~ Date, July 16 1912
 Mine, ~~No. 1~~ Located $\frac{1}{4}$ miles* E from ~~† Panama~~ ✓
 Location in mine, Room 2 - ~~2nd N. St. off 8th E. North~~
 Total (vertical) depth from surface at point of sampling, 380 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 Slate		
X2	Top Coal Roof		
3	Coal-clean-hard	89	7 ✓
X4	Mother of Coal		1 $\frac{1}{2}$ ✓
X5	Sulphur parting		4 $\frac{1}{2}$ ✓
6	Coal-streaked with mother of coal	1	$\frac{1}{4}$
7	Bone & Shale		10 $\frac{1}{2}$ ✓
8	Coal-dull-streaked with bone		3 $\frac{1}{4}$ ✓
9	Sulphur		3 $\frac{1}{2}$ ✓
10	Coal-dull-dirty-streaked.	2	2 $\frac{1}{4}$ ✓
X11	Blue band-black shale & bone		
12	Coal-fairly clean-hard	1	
13	Top-fire clay		
14			
15			
16			
17			
TOTAL,		6	9 ✓

Is coal wet or dry? -dry ✓
 Time exposed, 0 hours, 35 minutes.
 Weight, 45# ✓ gross, net.

What are the impurities, and how do they occur? Sulphur-bone, shale mother of coal in horizontal streaks

What are shipped? 3, 6, 7, 8, 9, 10, 12

What are excluded from the sample? 1, 2, 4, 5, 11

#5105 Coal bed, No. 6. ✓
 *Direction (N., NE., etc.) †Nearest railway station.

Town, Panama Mine, No. 1 Co. Shoal Creek Coal Co.
 Sample No. 76C ✓ Can No. St D #5 ✓ No. 76 2022



Operator,
 Mine, *Panama No. 1* Sec. *7* T. *S. & West* R. *3*
 Located, *4* miles from *720 Panama*
 Location in mine, *R. 4 - N. 1st 3* *ml. N. 1st 3* *ft.*

GRAPHIC SECTION		DESCRIPTION OF SECTION (AT POINT SAMPLED)		
In.	No.	No.	(Note character and thickness of roof)	Inches
			<i>Roof limestone</i>	
0	1		Coal	19
	2		"Sulphur"	19 1/2
12	3		Coal	29
	4		"Sulphur"	29 1/4
24	5		Coal	34 3/4
	6		"Sulphur"	35 1/8
36	7		Coal	
	8		Mineral charcoal	
48	9		Coal	51 1/8
	10		"Sulphur" knife edge	
50	11		Coal	58 1/2
	12		"Sulphur" (blue band)	59 1/4
72	13		Coal	70 1/2
	14		"Sulphur"	71 1/4
	15		Coal	73 1/4
	16		"Sulphur"	73 3/4
	17		Coal	74 3/4
	18		"Sulphur"	75 3/4
	19		Coal	79 3/4
			(Note character and thickness of floor)	
			Floor, clay	
			Total thickness of coal.	79 3/4

Condition, Time, hr. min.
 Wt. Gross, lbs. Net, lbs.
 What Nos. shipped by Co.?

Excluded from sample: No. *2, 4, 6, 10, 12, 14, 16, 18*
 Sample represents *75 5/8* in. tons.

Impurities? How do they occur?
Bulletin 85 - p. 198

Sample No. Can No. Lab. No. *B3711953*
 Collector, *R. Y. Williams* Coal: Survey No.
 Mine, *Co. Montgomery* Index No. *2022*
R.—COAL SAMPLE SHEET.



Operator _____ Date **Nov 23 '10**
 Mine, **Panama col** Sec. _____ T. _____ R. _____
 Located, _____ miles from **N of Panama. J. L. L. + M. R. P.**
 Location in mine, **R1-372 S track 3rd S. entry 2000 ft from shaft.**

GRAPHIC SECTION | **DESCRIPTION OF SECTION (AT POINT SAMPLED)**

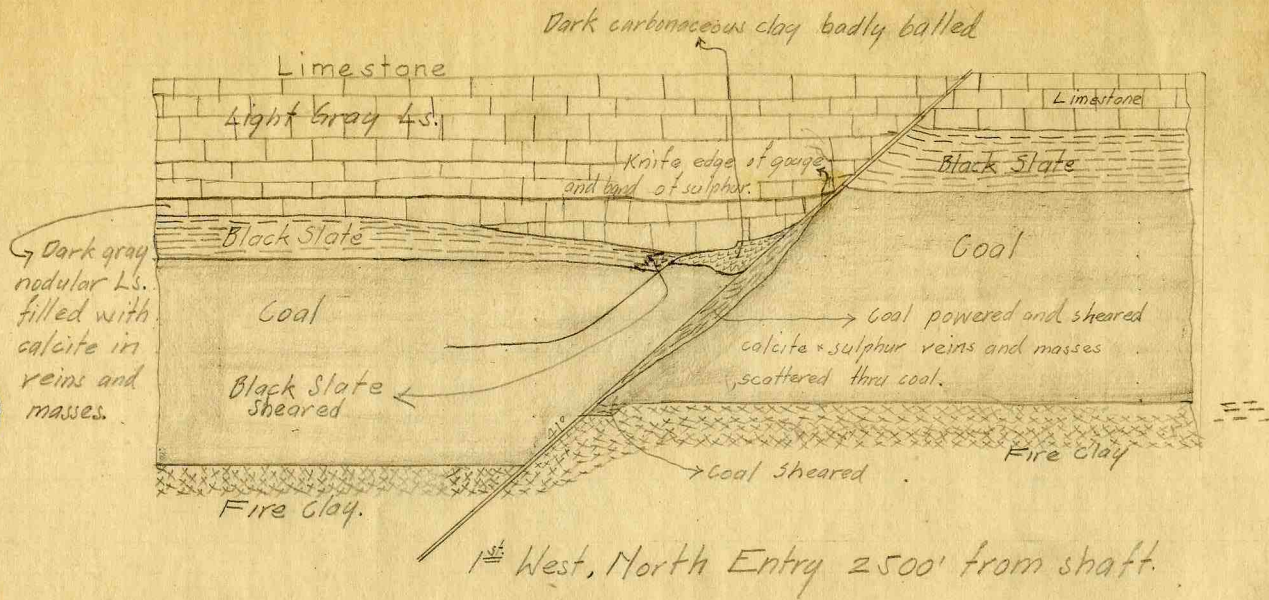
In.	No.	No.	(Note character and thickness of roof)	Inches
			Roof Limestone	
0	1		Coal	23
	2		"Sulphur" knife edge	23
12	3		Coal	27 1/2
	4		"Sulphur"	27 3/4
24	5	2	Coal	33 3/4
	6	4	"Sulphur"	34 1/4
36	7	6	Coal	26 1/4
	8	8	minimal charcoal	36 3/4
48	9	10	Coal	48 3/4
	10	12	"Sulphur"	49
60	11	14	Coal	50
	12	16	"Sulphur" (blue band)	50 1/4
72	13	18	Coal	60 1/4
	14	20	"Sulphur"	60 3/4
84	15	22	Coal	71 3/4
	16	24	"Sulphur"	73 1/4
96	17	26	Coal	75 1/4
	18	28	"Sulphur"	76
	19	30	Coal	90
			(Note character and thickness of floor)	
			Floor, clay	
			Total thickness of coal.	90

Condition, _____ Time, _____ hr. _____ min.
 Wt. Gross, _____ lbs. Net, _____ lbs.
 What Nos. shipped by Co.?

Excluded from sample: No. **2, 4, 6, 10, 12, 14, 16, 18**
 Sample represents **87** in. _____ tons.
 Impurities? How do they occur?

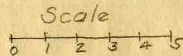
Bulletin 85 - p 198

Sample No. _____ Can No. _____ Lab. No. **BM 11352**
 Collector, **R. Y. Williams** Coal: Survey No. _____
 Mine, _____ Co. **Montgomery** Index No. **2022**
R.—COAL SAMPLE SHEET.



1st West, North Entry 2500' from shaft.

Notes:
 Coal is solid one foot from fault plane. No folding
 Fault traced northward for 1000'.
 Fault follows a nearly North + South course.



INDEX

K3





INDEX

105

Room 12 - 1st West North
Section

Top Limestone

Top Coal up.

1 Coal very dirty full of plates of white non-crystalline calcite?. Bands of sulphur, dirt and mother coal permeates bed. Coal makes considerable fine coal when shot. Bed mostly dull coal, glance coal in bands. 5'-5"

Top coal, black slate roof. Coal hard, bright, brittle, free from dirt, solid, not banded. Faces covered with either calcite or pyrites + (marcasite?)

Roof Ls. 50% Black slate 50% ✓

Top coal is thinner where Limestone is roof.

G Black slate falls in elongated lenses that generally parallel the face cleat.

The contact between the black slate and coal is rather irregular.

J Clod is a dark gray clay or soapstone, has plant remains scattered thru it. Clay has slick faces. (see specimen)
Clod is thinner between Ls + coal than Ls + black slate.

H Limestone is darker towards bottom, above limestone a light gray color.

Ls. contains concretions, probably flint nodules, do not drop out with warning like in black shale.

G Black slate is filled with lime concretions

I Top coal only left up where roof is black slate. ✓

Collector KOW

Mine #1 Panama

X.—EXTRA SHEET No. 2

Coal 6

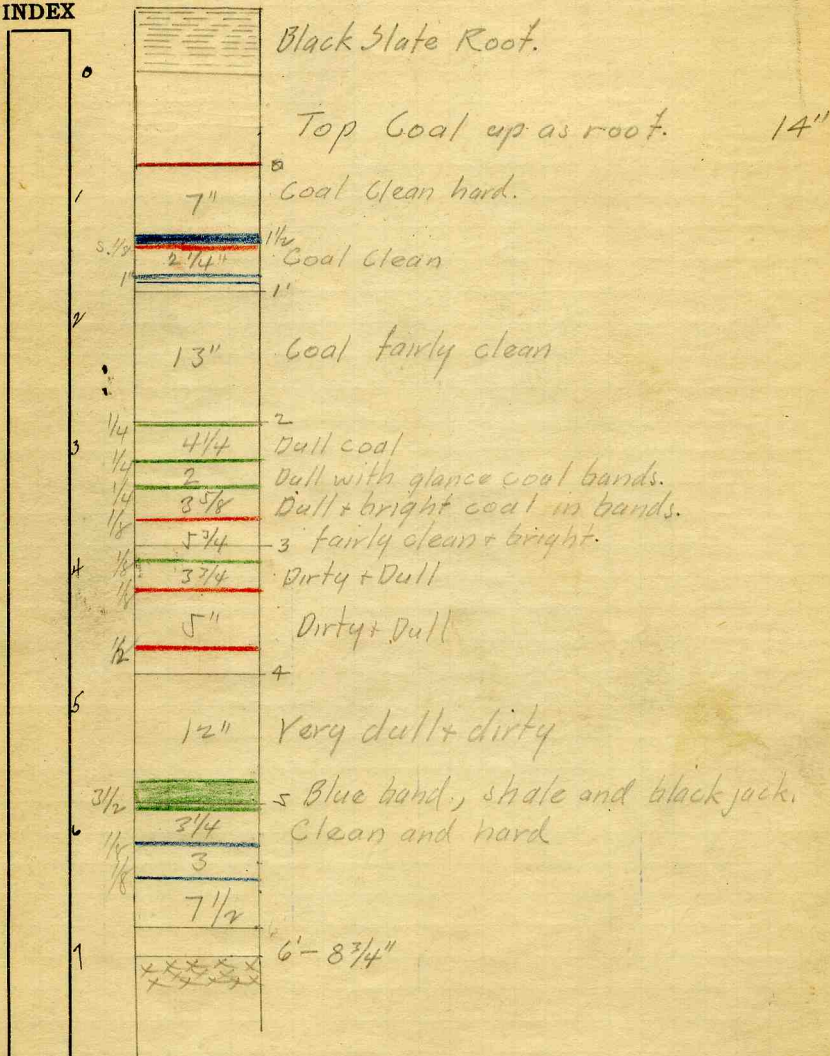
Co. Mont.

State No. 2022

Co-op No. 76



INDEX



Collector *KOW*

Mine *# Panama*

X.—EXTRA SHEET No.

Coal *6*

Co. *Mont.*

State No. *2022*

Co-op No. *76*



USBM Bull 123, p. 177-8

PANAMA. SHOAL CREEK NO. 1 MINE.

Analyses 21901 to 21906 (p. 35). Bituminous coal, Illinois field, from Shoal Creek No. 1 mine, a shaft mine at Panama, on the Toledo, St. Louis & Western R. R. Coal bed, Herrin coal (Belleville, No. 6); Carboniferous age, Carbondale formation. The bed is 5 feet 10 inches to 7 feet thick, and lies practically flat. The main roof is shale; 6 to 8 inches of coal are left up in mining. The floor is soft clay. The shaft is 381 feet deep. The bed was sampled by H. I. Smith, J. R. Fleming, and G. T. Powell April 10, 1915, as described on page following.

Sections of coal bed in Shoal Creek No. 1 mine.

Section.....	A	B	C	D	E
Laboratory No.....	21901	21902	21903	21904	21905
Roof, shale.....					
Coal, 4 to 8 inches, left up in mining.....	<i>Ft. in.</i>	<i>Ft. in.</i>	<i>Ft. in.</i>	<i>Ft. in.</i>	<i>Ft. in.</i>
Coal, hard, bright.....	1 0	6	1 5	2	8
"Sulphur" band.....	a 1/2	Streak.	a 1/2	a 1/2	a Streak.
Coal, hard, bright.....	1 9	6	1 3	1 4 1/2	8
"Sulphur".....	a 1/2	a 1/2	a 1/2	a 1/2	a 1/2
Coal, hard, bright.....	2 0	10 1/2	1 2	1 8	2 9
"Sulphur" and bony coal.....	a 2	1 1/2	a 1	a 1/2	a 1/2
Coal, soft.....	2	..	..	..	..
Coal.....	..	1 9	..	6	..
Coal, hard, bright.....	..	..	8	..	9
"Blue band" shale.....	a 1	..	a 3	1	a 1
"Sulphur".....	..	Streak.	..	..	..
Coal.....	..	..	..	a 2 1/2	..
"Blue band".....	..	..	..	a 1/2	..
Coal.....	..	..	..	a 1	..
"Sulphur".....	..	..	..	a 1	..
Coal, somewhat dull.....	..	2	..	..	1 3
Coal, streaked with shale.....	7	..	..	..	..
"Sulphur".....	..	Streak.	..	..	..
Coal.....	..	4 1/2	11	1 0	..
"Sulphur".....	..	Streak.	..	..	..
"Blue band".....	a 1 1/2	..	..	..	..
Coal.....	..	10	..	..	..
"Blue band".....	..	a 1/2	..	..	..
Coal.....	3	1 2	..	..	..
Floor, clay.....	..	..	..	..	..
Thickness of bed.....	6 2	6 4	5 10	5 2 1/2	6 3
Thickness of coal sampled.....	5 9	6 3 1/2	5 5	4 9 1/2	6 1

a Not included in sample.

Section A (sample 21901) was cut from face of 15 room neck, 7 south stub entry, 7 east south entry. Section B (sample 21902) was cut from face of 9 west north entry, 150 feet in by back north main entry. Section C (sample 21903) was cut from face of 5 south stub entry, 7 east south entry. Section D (sample 21904) was cut from face of 10 east north entry, 200 feet in by 2 north stub entry. Section E (sample 21905) was cut from face of 1 north stub entry, 7 east south entry.

The ultimate analysis of a composite sample made by combining face samples 21901, 21902, 21903, 21904, and 21905 is shown under laboratory No. 21906.

The room-and-pillar panel system of mining is used. In 1915 the coal was undercut with machines and was shot down with permissible explosives. A shaking screen was used, having 2, 3, 6, and 8 inch holes. Forty per cent of the screened coal passed through the 3-inch screen. The coal passing this screen was sent to the washery. Five sizes of coal were produced in washing. The output was about 2,600 tons per day, half of which was from advance workings.

#1 Mine Montgomery Co. Coal No. 6 Index No. 2022.61



Mine originally operated by: (1)

Date _____

Original name or number:

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Elevations on rail **LATER OPERATORS**

in Panama Mine		Operator	Name or No.	
200 from E edge 23, 400 in 26				
2	Elevations bottom coal at shaft -		156.6	
3	1960 E of 300' N. SWC	142.4'	380.15	✓
	2400 E + 130' N SWC	122.99	" 15	✓
4	2920 E of 80' S NWL	128.25	" 22	✓
	1970 W of 200' NWC	143.10	" 22	✓
5	1600 W of 540' NWC	22	-154.28	✓
	1600 W of 930' S	" 22	153.02	✓
6	" 1100' S	" "	150.07	✓
	" 1300' S	" "	148.24	✓
7	" 1580' S	" "	148.15	✓
	" 1860' S	" "	153.25	✓
8	" 2260' S	" "	153.67	✓
	1530 W 60 N	SEC 15	152.62	✓
9	" 260 N	" "	149.51	✓
	" 550 N	" "	144.24	✓
10	" 790 N	" "	141.82	✓
	" 1020 N	" "	135.75	✓
11	" 1320 N	" "	133.57	✓
	" 1650 N	" "	131.88	✓
12	490' S 200 W	NWC 22	170.06	156
	" 460 W	" "	163.92	140
13	" 780 W	" "	160.72	168
	" 1150 W	" "	157.10	163
14	" 1500 W	" "	155.76	162
	" 1600 W	" "	154.28	160

*Also owners

#See ownership sheet

Railroad, Wagon, Strip, Idle, Abandoned

IDENTIFICATION

County No. _____

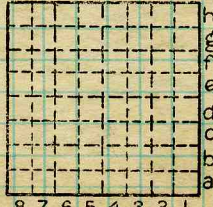
Coal No. _____

Coal Report No. _____



Quad. _____

County *Montgomery*



Sec.

T. *7* N. *S.*

R. *4* E. *W.*

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COAL MINE OPERATOR



Mine originally operated by: (1)

Date _____

Original name or number:

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LATER OPERATORS

Date	Operator	Name or No.
<i>Elevations on rail</i>		
2 4905	480E NWC. 23	170.88 ✓
"	2400 " "	165.04 ✓
3 17205	2400E NWC 22	117.48 ✓
15205	1940E " 22	114.56 ✓
4 13305	1400E " "	123.65 ✓
12705	1200E " "	131.59 ✓
5 11205	880E " "	146.56 ✓
9805	500E " "	152.5 ✓
6 8305	" " "	160.52 ✓
8305	570W NEC 21	171.31 ✓
7 " "	1160W " C " "	176.48 ✓
" "	1200W " " " "	178.57 ✓
8 " "	1700W " " " "	174.53 ✓
" "	2250W " " " "	172.52 ✓
9 " "	2470W " " " "	181.04 ✓
" "	2800W " " " "	184.44 ✓
10 " "	3100W " " " "	176.68 ✓
" "	1280E NWC " "	143.25 ✓
11 26405	200 E " 21	205.08 ✓
" "	1300E " " " "	212.74 ✓
12 " "	3420E " " " "	184.29 ✓
" "	3420E " " " "	197.04 ✓
13 26405	650W NEC " "	167.82 ✓
14		

*Also owners

#See ownership sheet

Railroad, Wagon, Strip, Idle, Abandoned

IDENTIFICATION

County No. _____

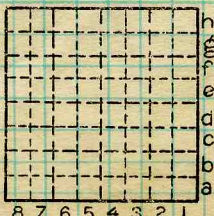
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W.



Mine originally operated by: (1)

Date

Original name or number:

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p.

LATER OPERATORS

Date	Operator	Name or No.
<i>Elevations on rail</i>		
2 200's	NWE SW ^{SW 1/4} 21	218.82 ✓
" 600E	" " "	223.56 ✓
3 " 1090E	" " "	230.98 ✓
" 1580E	" " "	228.12 ✓
4 " 2030E	" " "	228.15 ✓
" 2540E	" " "	221.35 ✓
5 " 3100E	" " "	209.46 ✓
" 3630E	" " "	201.85 ✓
6 " 4100E	" " "	188.70 ✓
420's 630E	NWc 28	232.28 ✓
7 " 1160E	" "	233.52 ✓
" 1530E	" "	238.89 ✓
8 " 2650E	" "	220.87 ✓
" 3260E	" "	197.16 ✓
9 " 3500E	" "	184.89 ✓
" 3840E	" "	168.40 ✓
10 " 3930E	" "	156.48 ✓
" 4030E	" "	148.97 ✓
11 " 4200E	" "	142.47 ✓
" 280E	NWc 27	146.73 ✓
12 400N 540E	SWc 22	137.15 ✓
200N 1580E	" "	144.49 ✓
13 270's 240E	NWcSW 22	149.79 ✓
860's 1660E	" " "	126.34 ✓
14 490E	SWc 23	191.68 ✓

*Also owners

#See ownership sheet

Railroad, Wagon, Strip, Idle, Abandoned

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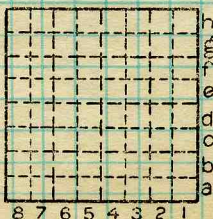
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COAL MINE OPERATOR



Mine originally operated by: (1)

Date

Original name or number:

Illinois Coal Report

D.

LATER OPERATORS

Date	Operator	Name or No.
<i>Elevations on rail</i>		
2 1320S	520E NWL 26	192.91 ✓
" "	2140E " "	189.73 ✓
3 1320N	2000E SWL 27	199.87 ✓
1970N	1905 SWc 26	177.45 ✓
4 2000S	270W NKL 28	165.86 ✓
" "	780W " "	157.04 ✓
5 " "	340E NWc 27	160.37 ✓
" "	1180E " "	168.48 ✓
6 " "	1960E " "	185.82 ✓
970S	2140E NWL 27	162.89 ✓
7 1320S	2860E " "	176.30 ✓

8 There elevations obtained from
 9 map of mine filed at courthouse
 10 in Hillsboro, by A. E. Spotti &
 11 J. N. Payne Aug, 1940.

12
13
14

*Also owners

#See ownership sheet

Railroad, Wagon, Strip, Idle, Abandoned

IDENTIFICATION

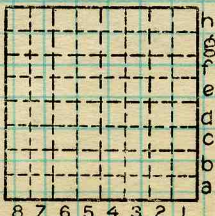
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