



Form 180

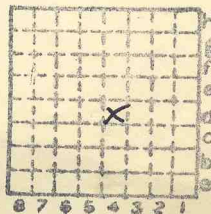
R. -F

HERRIN

St. Louis + O'Fallon Coal Co.,
(Black Eagle)* 2

201

S-13



Sec. 33

T. 2 N.

R. 8 W.

Index No.

0333 d4

MI 416
Mine Index

Cleanup begins at old mine

Fairview Heights site to be park land

By John D. Milazzo
Globe-Democrat Staff Writer

5/30/86

Reclamation of the old St. Louis and O'Fallon Coal Co. Mine No. 2 in Fairview Heights began Thursday with groundbreaking ceremonies.

The State of Illinois is spending \$700,000 to clean up the 27-acre site, which eventually will become park land for Fairview Heights.

The underground mine and refuse piles are about a half-mile south of Lincoln Trail, adjacent to Fairview Heights' Longacre Park.

Lt. Gov. George H. Ryan, chairman of the Illinois Abandoned Mined Land Reclamation Council, participated in the groundbreaking.

CITY OFFICIALS, WHO purchased the property for \$85,000 last December,

have said it will be developed as park land after the state reclamation project is completed.

Sue Massie, reclamation council executive director, said Thursday the council approved the project last year.

Officials expect the reclamation work to be completed by fall, Ms. Massie said.

The mine was in operation from 1904 until it was closed in June 1954, Ms. Massie said.

"The project will involve covering the extensive mine refuse piles with fresh soil to a level of about two feet," Ms. Massie said.

Engineers have said a four-acre lake will be created in the area where the soil to cover the refuse is taken, Ms. Massie said.

BESIDES BEAUTIFYING the area and making way for expansion of Longacre Park, the reclamation project is expected to end harmful acidic runoff.

Ms. Massie said the refuse are high in substances that are "harmful to plant and animal life" when they are carried from the site by rainwater.

Fairview Heights Public Works Director Bob Hotz said the city will use the new park land for athletic fields, play grounds, fitness trails and several picnic areas.

Hotz said the new city tract adjacent to the existing 56-acre park will be fertilized and seeded as part of the state reclamation project.

Hotz said Ryan Thursday presented city officials with a \$500,000 check to be used for landscaping around the proposed lake, in addition to the \$700,000 to be spent on the reclamation project.

Coal Mine To Become Fairview Heights Park

By Bill Vogler
Of the Post-Dispatch Staff

5/30/86

A 27-acre abandoned coal mine site in Fairview Heights will be transformed from an environmental problem area to a municipal park, Lt. Gov. George H. Ryan announced Thursday.

Ryan is chairman of the Illinois Abandoned Mined Lands Council, which will spend almost \$700,000 to reclaim the area. The site, owned by Fairview Heights, is adjacent to the municipality's 53-acre Longacre Park. Much of the old mine area is covered with black mining refuse.

"We are going to eliminate environmental problems and have a nice park," Ryan said at the groundbreaking ceremony. The site had been the Black Eagle No. 2 mine of the St. Louis and O'Fallon Coal Co. until it was abandoned in 1954.

Acidic mine waste on the site continuously erodes and deposits toxic water and sediment into a tributary of Schoenberger Creek and surrounding land, Ryan noted.

The land will be graded to reduce runoff and the mining refuse will be covered with soil. The whole area then will be planted in grass. Over a period of years these

steps will eliminate the pollution runoff problem, an aide to Ryan said.

Ryan also said the council would contribute \$5,000 toward construction of a fishing lake in Longacre Park. Dirt from the lake excavation will be used to cover the mine refuse. "I'm going to look forward to coming back here and seeing the new lake," Ryan quipped.

Fairview Heights Mayor George A. Lanxon said he hoped that some of the new park area would be in use next spring. The reclamation is expected to be completed by Oct. 30.

"Our 53-acre park is heavily used by local people and this will expand the facility," Lanxon said. He said the new addition would be "family oriented," like the existing park.

Lanxon said city officials hoped the lake, which will be about four acres in size, would be completed and stocked with fish by next fall. Over a five-year period, Fairview Heights will add tennis courts, a ball diamond, a fitness trail and picnic facilities to the new area, Lanxon said.

Ryan also announced that the council would spend about \$3 million this year to reclaim two old mine sites in Madison County and

one in Macoupin County. The reclamation projects involve the Mount Olive and Staunton Coal Co. site near Williamson, the Madison Coal Co. near Glen Carbon and the Vir-den Mining Co. near Virden.

The council receives federal money for reclamation projects under the 1977 Surface Mine Control and Reclamation Act. The money comes from coal mining operators who must contribute 35 cents for each ton from surface-mined coal and 15 cents for each ton from coal mined underground.

St Clair City 28800 Sec 32



Mine originally operated by: (1)

Date 1904 St. Louis & O'Fallon Coal Co.

Original name or number: #2 S 13
Illinois Coal Report 1904 p. Edgemont Sta

LATER OPERATORS

Date Operator Name or No.

- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

"Black Eagle No. 2"

170'S 170'E of Center Section NW SE (1948)

1946
DTC

* Also owners #See ownership sheet

Railroad, Wagon, Idle, Abandoned Shaft

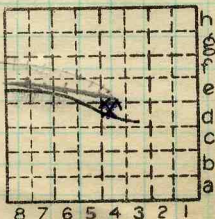
St. L. & O'Fallon R.R. IDENTIFICATION

County No. 201

Coal No.

□ 6

Quad. Belleville (1948) Part 4
6'6"



Sec. 33

T. 2 N.
R. 8 E.
W.

Index No.

0333 d4

County St. Clair

COAL MINE OPERATOR



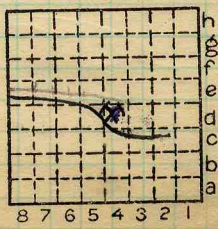
(Sheets) COAL PRODUCTION (Sheet)

No.	Period						Tons		
	Mo.	Day	Year	Mo.	Day	Year			
						1935	352	472	
13	1	1	1936	12	31	1936	334	190	
13	1	1	1937	12	31	1937	276	974	
S-13	1	1	1938	12	31	1938	300	900	
						1939	386	991	
						1940	373	343	
S-13	1	1	1941	12	31	1941	422	034	
S-13	1	1	1942				431	893	
						1943	410	988	
						1944	486	263	
						1945	499	219	
						1946	540	267	
						1947	574	861	
						1948	584	704	
						1949	558	704	
						50	625	919	
						51	577	475	
						52	474	072	
						53	422	888	
						1954	143	617	
<i>Abnd.</i>									
TOTAL OF ABOVE ONLY 1935-1954							8	777	774

SUMMARIES

No.	to	No.			
1904		1935	15	504	404

Railroad, Wagon, Idle, Abandoned *July, 1954*
S-13
 IDENTIFICATION
 County No. 201 Coal No. 6
 Quad. *Bellevill* Part 4
 County St. Clair



Sec. 33
 T. 2 N.
 R. 8 W.
 Index No. 0333 d4



LOCATION AND ELEVATION

Location: **7 N** side **St. Louis and O'Fallon** **s/pwr** R. R.
side R. R.
side Highway No.

on top. map **226** Location sheet **13-87-42b**

Elevation: Method, 1. Est. () _____ ft.
2. Inst. (kind **Plane Table**) **577.4** ft.

By **WBR 1930** Data sheet

DEPTH

Authority To coal **193** ft.
Authority Rail to rail _____ ft.
Top of coal above rail. (Est. Rule) _____ ft.
To coal **212** ft.

ALTITUDE OF TOP OF COAL

By estimated data _____
By instrumental data **384.4** **384** ft.

Thickness

Max. in. Min. in. Aver. **74** in. **78**

GEOLOGICAL DATA

Mine notes, date **5-8-06** **12-18-07** **1930**

Coop No. **82** Pyr. inv. Coal Ash inv.

CHEMICAL DATA

Analyses Face U. I. **Sp. & 2U.** B. M. 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

Misc. tests: Coking. Cleaning Boiler

Published descriptions:— **Bull. 11**

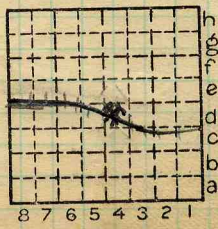
Railroad, Wagon, Idle, Abandoned

ST. L. & O'F.

IDENTIFICATION

County No. **201**
S-13
Quad. **Belleville**
County **St. Clair**

Coal No. **6**
Part **4**



Sec. **33**

T. **2** N.
R. **8** W.
Index No.

0333.4d

COAL MINE LOCATION AND DATA



Town, **East St. Louis**

Local Authority,

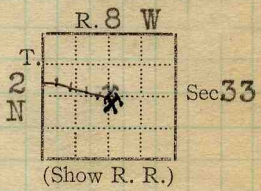
Level: Auth., **W.B.R. (1930)**

Method, **Plane table**

R. R., **St. L. O. + L.**

Location: authority, **Belle 11**
Belleuille Breese Folio
WBR (1930)
Operator

Surface alt., **577.4** ft.
Depth to coal, **193** ft.
Alt. top coal, **384.4** ft.
Thickness: Av. **74** in.
Max. in., Min. in.



(Show R. R.)

Mine Name or No.

St. Louis & O'Fallon Coal Co. No. 2
2927 So Broadway, St. Louis, Mo.

Successor to
Date
Succeeded by
Date
Succeeded by
Date

PRODUCTION.

						U. S. No.
1926	Daily cap	4500 T				
11/28/26	Coal Age	resumed operations				
1927	436	615				
1928						
1931	301	319				
1932	286	868				1930 # 8

Geol. Notes? **Yes** Coop. No. **82** Coal secs.? **11**
Analyses No. **5108-9-10, 95, 96, 97, 1003**
+ 3 more
Examined by **H X** GEN'L COAL REPT. Ref. **201**

Coal bed name: Local Survey No. **6**
County **St. Clair** Index No. **0333.54**

ACTIVE SHIPPING OR LOCAL COAL MINE.



8828

(35037-360-6-25) *John C. Moore Corporation, Rochester, N. Y. Binder and holes in leaves, each Patented 1906.*

Mine Name or No. 2 Mine Address _____

Operator St Louis and O Fallon Coal Co

Main Office Address _____

St Louis Mo

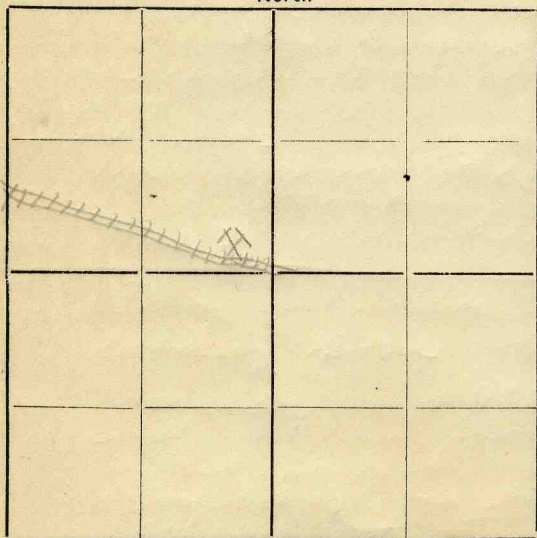
Location of Mine:

Township Name Caseyville County St Clair

Section No. 33 Township 2 N 8 S Range 8 E W

Indicate location of mine and position of R. R. in plat of section below.

North



Kindly state number of feet from quarter section lines:

_____ from N. line

_____ from E. line

_____ from S. line

_____ from W. line

Idle entire year 19____ Yes
No

Abandoned (date) 19____

South

Surface landing is 530± feet above sea level or about _____ feet (above) (below) railroad station at _____ (nearest town).

Depth to top of coal is 208 feet.

Average thickness of coal is 6 feet 10 inches.

Do not fill in below this line.

Coal Bed Name _____ Survey No. 6

County St Clair Index No. 0833

V—MINE LOCATION SHEET.



F. Thickness of rock above bed worked.

(1) Important variations,

See

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

See

Cap Rock

- (1) Position, *0 to 2 1/2' above coal*
- (2) Character, *very dense and hard.*
- (3) Persistence, *yes*
- (4) Other workable coal beds *—*

See

H. Cap rock, *Dense hard limestone*

- (1) Thickness, *3 to 8 (Estimate by Supt)*
- (2) Height above coal, *0 to 2 1/2'*

See

I. Immediate roof, *clod, slate or limestone*

- (1) Thickness, *0 to 2 1/2'*
- (2) Contact with coal, *fairly even*
- (3) Horizontal variation, *Thickens and thins*

See X-2

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

(3) Persistence, *—*

K. Coal bed: Max. Min. Av. *82* inches

- (1) Benches, *Lower and Upper*
 - (a) Position, *0-23 and 24 to 82*
 - (b) Persistence, *yes*

See

- (2) Bedded impurities, kind, position in benches, persistence, ease of separation, *Blue Band clay bands and pyrite lenses in clay band or on a persistent horizon*

See X-1

- (3) Irregularities in bed (due to deposition, erosion, or movement), *Very few. Some slight faulting at roof*

See

(a) Effect on mining, *None*

See

SECTION			
Name	Ft.	In. Sym.	
Surface			
shale			
limestone slate to coal	0 to 2 1/2'		
	7	10	
	==	==	

Collector, *St Louis and O Fallon Coal Co*

Coal: Survey No. *6*

Mine, *Mine No 2* Co. *St Clair*

Index No. *0833*



259593

K. (5) Physical character of Coal,

- (a) Relative hardness, *Much harder than usual and brittle*
 (b) Lustre, *Bright with dull bands*
 (c) Fracture, *Conchoidal*
 (d) Texture, *Dense and laminated* See

(6) Impurities in coal, other than bedded, kind, position, persistence, ease of separation, etc. *Pyrite and calcite facings that rattle loose, bright pyrite lenses that are not in a clay band nor on a persistent horizon*

See X-1

L. Floor: (1) Material, *Light Gray Fire Clay*

- (2) Thickness, *3 feet*
 (3) Variation, *None*

(4) Note character, condition, tendency to heave, relation to undercutting, commercial value. *Heaves to some extent, softens on contact with the air. The Busch interests are doing some research on this fire clay and claim it has special value*

See

(5) Clay sample No. *A-192nd and A-200* Location,

M. Stratigraphy,

- (1) Fossiliferous horizons underground, *Some places there is a clod on top of the coal that may contain fossils - See sample A-205*

Collection No.

Location,

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

See

Collector, *St Louis and O Fallon Coal Co*Cola: Survey No. *6* Mine, *Mine No 2* Co. *St Clair*Index No. *0833*



Symbol Description Inches

[1 division=3 in.]



St Louis and O'Fallon Coal Co.
 St Clair County, Caseyville Twp
 Sect 33, Twp 2N, R 8W
 Index No 0833
 Sample taken in sect over

Limestone - dense and with bumpy under surface
 - Root-soft clod, black shaly material $\frac{1}{4}$ to $\frac{1}{2}$ " thick. A-198

Relatively hard coal, less laminated than rest of seam.

} Hard but slightly friable

$\frac{1}{2}$ " stony pyrite lamina thickens to $\frac{3}{4}$ " A-196

$\frac{1}{2}$ " stony pyrite - laterally changes to some clay A-195

$\frac{1}{2}$ " clay seam with same pyritization and thin lenses A-194

1" blue band - sticks to coal same pyritization and stony locally A-193

Fire Sample A-192

Fire Clay - light gray, slip fractured A-192 but with practically no plant impressions. Softens on exposure

Collector. St Louis and O'Fallon Coal Co Coal: Survey No. 6
 Mine. Mine No 2 Co. St Clair Index No. 0833

Coral Section taken in
20th Row off 6th stub off
14th South. approx
6000 feet south and 3000 feet
east of drift.

taken in set 3 of
St Clair Sup.



Symbol Description Inches

1 division = 3 in.



St Louis and O'Fallon Coal Co.
St Clair County, Caseyville Twp
Sect 33, Twp 2N, R 8W Index No 0833

Slate - Hard black slate that
breaks into long slender pieces
and fairly easily split A-206
Very hard layer of pyritized shale and fossils A-205
← Top of coal.

Hard firm coal
Horizon of pyrite lamina. More line here
but thickens to 1/4 or 3/8. Bright and stony A-204

clay band 1/2" thick. up to 3/4 A-203

Fac Sample A-199
Hard Specimens
A-201 and 208

1" blue band - some pyrite lenses
immediately below SEC A-201
A-202

Fire Clay Light gray fire
clay that readily softens on
contact with the air. Heavily little A 200

Collector. St Louis and O'Fallon Coal Co Coal: Survey No. 6
Mine. No 2 Co. St Clair Index No. 0833

Q.—COAL SECTION SHEET.

✓ over

This sample was taken

300 feet NE of sample

#1 but in sect 3 of

St Clair Twp also



INDEX

Bedded impurities

Blue Band averages about 1" thick in this mine and is a bluish gray hard clay that sticks to the coal very tightly. In some places there occurs some pyrite lenses, partly stony and partly brassy on the under side of the blue band. See sample A-202.

In addition there are other clay bands that are not quite as persistent but that will have a well marked horizon for considerable distance. Associated with these clay seams or bands or as replacements in them are stony pyrite lenses.

In places the clay band laterally grades to a pyrite band with no thickening or thinning. See Samples A-194, A-195 and A-196. These bands give the most difficulty in preparing clean coal. They are not attached to the coal and break into small pieces and are not easily sorted out as the coal is shoveled into the pit car loaders.

"b" Concretions and Segregations.

Concretions or segregations of brassy pyrite are occasionally found in the coal at no particular horizon and not entirely conformable with the bedding or laminations of the coal. Not prominent and are not an important impurity. See Sample A-197.

Collector St. Louis and Fallon Coal Co

Mine No 2

Co. St. Clair

Coal: Survey No. 6

Index No. 0833

X.—EXTRA SHEET No. 1

INDEX

(c) Lenticular Clay masses
None other than those mentioned in "a"

"d" Joint Fillings and Facings
There are some facings of pyrite (bright) and calcite that rattle loose from the coal but which probably add a little ash to the coal.

"e" Crackfillings and Horsebocks
None

"f" Interbedded carbonaceous and detrital material.
None

"g" None

"h" None

"i" None

Roof. In those places where the limestone comes down onto the coal there is a soft shaly clod that sticks to the limestone when the coal is shot. This clod may be only a $\frac{1}{2}$ inch thick but when exposed to the air it dries and flakes off in thin white flakes, very light and fluffy. When mine is idle a few days this settles on the coal that has been shot and adds some ash. In old rooms this material accumulates to a depth of 2" at times.

Collector St Louis and Fallon Coal Co

Mine No 2

Co. St Clair

Coal: Survey No. 6

Index No. 0833

X.—EXTRA SHEET No. #7



COAL MINE NOTES.

COUNTY *St. Clair* TOWN *E. St. Louis* MAP No. ** D333*
T. *214* R. *8W* S. *33 near Centre*

OPERATOR *St. Louis & O'Fallon Coal Co.*

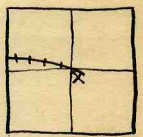
OFFICE *St. Louis, Mo.*

MINE *#2*

USED IN COOP. REPT. 1912.

TIPPLE *Four track*

COUNTY



ENGINES

BOILERS

DRUM

SHAFT

CAGE

HAULAGE *2, 12 ton Goodwin Locomotives. and Mules.*

CARS *Wooden 7000 lbs capacity.*

VENTILATION *Reversible Fan. Forcing.*

DRAINAGE *1 hr per day. pumping.*

SPRINKLING

WORKING SYSTEM

MINING METHODS *All cutting in coal
25 Sullivan Puncher's are used.*

SIZE OF ENTRIES—MAIN *21'* CROSS ROOM *40' x 250'* 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 *1 1/2" Screenings 1 1/2", 2", 4" lump*
PER CENT

PROPORTION AND SIZE OF WASHED COAL

DAILY OUTPUT *2400 tons*

UTILIZATION

MARKETS

FREIGHT RATES

GEN'L COAL REPT. 201

SELLING PRICES AT MINE

0333 4d

COAL LAND OWNED LEASED

HELD IN FEE

COST OF LAND OWNED LEASED

HELD IN FEE

ADDITIONAL NOTES *Brick Buildings.*

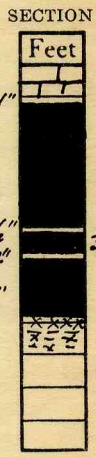


COAL MINE NOTES.
CONTINUED.

OPERATOR *St Louis & O'Fallon* MINE #2
 ENTRANCE *Shaft.* NAME OF COAL BED *6*
 ELEVATION *575-560.* THICKNESS OF COAL
 DEPTH TO FLOOR *205* MAX. MIN. AV. *74"*
 ALTITUDE OF COAL *370 360 Top.*
 LOCATION OF SECTION *USED IN COOP. REPT. 1912.*

No.	SECTION.	In.
1	<i>Ls.</i>	
2	<i>Clod</i>	<i>1"</i>
3	<i>Coal</i>	<i>47</i>
4	<i>Sulphur</i>	<i>1/4" to 1/2"</i>
5	<i>Coal</i>	<i>3"</i>
6	<i>Blue Band</i>	<i>1 1/2" to 2"</i>
7	<i>Coal</i>	<i>2 1"</i>
8	<i>Clay or rock floor</i>	
9	<i>generally Clay</i>	
10		
11		
12		
	<i>Tape</i>	<i>Total</i>

SAMPLE No. *G 22*
 CAN No. *47"*
 CONDITION
 GROSS WEIGHT *1/4" to 1/2"*
1 1/2" to 2"
 TIME EXPOSED *2 1"*
 NOT SHIPPED
 NOT INCLUDED *3-5,7*



PHYSICAL PROPERTIES BY NUMBERS

#4 of section not present.

ROOF *Rock Roof several feet stands well*

FLOOR *Clay or rock*

DIP

FAULTS, ETC.

GAS

COLLECTOR *Groat*

REFERENCE *M.B. T.P. 18*

0333. 4 d.
 DATE *5-8-06*

Addition measurements see Groat " " " "



COAL MINE NOTES.
CONTINUED.

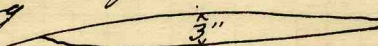
OPERATOR *St. Louis & O'Fallon Coal Co.* MINE # *2.*
 ENTRANCE NAME OF COAL BED
 ELEVATION THICKNESS OF COAL
 DEPTH TO FLOOR MAX. MIN. AV.
 ALTITUDE OF COAL
 LOCATION OF SECTION *2500' S.E. of Shaft.*
 No. SECTION.

No.	SECTION.	In.
1	<i>Coal</i>	<i>30</i>
2	<i>Char coal</i>	<i>3</i>
3	<i>Coal</i>	<i>45</i>
4	<i>:</i>	
5	<i>:</i>	
6		
7		
8		
9		
10		
11		
12		
Tape		Total

SAMPLE No. *W26*
 CAN No. *30"*
 CONDITION *Char. Coal 3"*
Wet.
 GROSS WEIGHT *2 45"*
 TIME EXPOSED *10 min.*
 NOT SHIPPED
 NOT INCLUDED *1-3.*



PHYSICAL PROPERTIES BY NUMBERS #3

This deposit of smut was 3" thick at the thickest part and about 4' across the exposed face. It continued as a thin parting to  *at the same level both ribs.*

ROOF *Slate. A little sulphur found within 1' above the coal*
 FLOOR *Fire Clay. thick. Does not heave except after long standing, and then but slightly.*
 DIP
 FAULTS, ETC. *Small fault. displacement 6"*
 GAS

COLLECTOR *Wheeler*

REFERENCE *NB 141 P 78* DATE *12-18-07*

0333 Ad.

Additional notes. " " " "



COAL MINE NOTES.

CONTINUED.

OPERATOR *St. Louis & O'Fallon Coal Co.* MINE #*2.*

ENTRANCE *Shaft* NAME OF COAL BED #*6*

ELEVATION *575* THICKNESS OF COAL

DEPTH TO FLOOR *205* MAX. MIN. AV.

ALTITUDE OF COAL *370*

LOCATION OF SECTION *2nd Room off 6th E off Main South.*

2000' S.E. shaft.

No.	SECTION.	In.
1	Coal	2'-2"
2	Slate	26"
3	Coal	1/2
4	Slate + Sulphur	30"
5	Coal	1 1/2
6		21
7		
8		
9		
10		
11		
12		
Tape		Total

SAMPLE No. *W25*

CAN No. *26"*

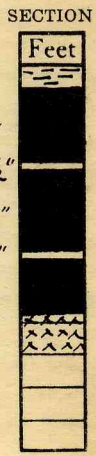
CONDITION *Dry* *1/2"*

GROSS WEIGHT *40 1/2"*

TIME EXPOSED *2 hrs.*

NOT SHIPPED *4*

NOT INCLUDED *4*



PHYSICAL PROPERTIES BY NUMBERS *Sections sampled are typical of the coal. 1/3 or more of the rooms have no slate above the coal. The overlying rock (Ls?) is 8' thick or more. The lower 6" to 1' some times falls. Occasionally a gray Ls. is in roof slate, but extend over no great amount of territory.*

See extra sheet.

ROOF *2' Slate*

FLOOR *Fire Clay*

DIP

FAULTS, ETC.

GAS *Very little gas.*

COLLECTOR *Wheeler*

REFERENCE *M.B. 141 P 78*

DATE *12-18-07*

0333 Ad.



42" gauge. 40 lb. ^{steel} rad. on main
motor tracks. 25 lb. steel on other tracks
500 volt current used.

The shale is hoisted through a considerable
amount needs to be drawn, as it has
numerous slips that weaken it.
Nearly all the slate less than 8" to 12" has
to come down

Three Rooms in the S.E. ran into coal
that had great quantities of very large
sulphur balls or lenses. They weighed
from 10 to 800 lbs or more and nearly
nearly all of them were found in the
upper half of the seam. The upper
2" of coal is made up of thin layers
alternating sulphur layers; sulphur
balls of small size are occasionally found
in all parts of the mine usually in
the upper coal.

Three or four clay veins 4" to 8" wide
of considerable lateral extent were
noticed, as were also two pockets
of smut or natural charcoal.
One of these was lens shaped 4' across
and 10" thick at the thickest part. Both
of these deposits were about 2 1/2' below the
roof.

Entries 60' centre to Centre.

Rooms 80' " " "



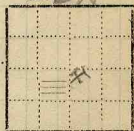
COAL MINING INVESTIGATIONS
COOPERATIVE AGREEMENT

Mine Name or No., 2

1 mile S.E. from Cameron.

Operator, 1912 St. Louis + O'Fallon Co. 2H T.

R. 8W



Sec. 33 NW 4 SE 4

Operator, 191

Entrance, shaft. Elev. 585 (cady) 360 Est. 4585 ft. { above, below.
Depth to bottom coal, 199.5' ft. Alt. 367

R. R. St. L. & O. RY

Loc. Belleville Breesse Folio

SURFACE DATA.

- A. Topography Rolling
- B. Surficial materials, (1) Character Yellow Sandy Clay (2) Thickness, 5-5' (3) Effect on mining and shaft-sinking, of former drainage lines, underground water strata, etc.

See (No. 0333 Coal mine notes)

- C. Outcrops, (1) Character, (2) Structure, (3) Fossil horizons, Collection No., (4) Evidences of subsidence,

See
See
See
See
See

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

See drill record sheet.

E. Notes on surrounding area,

GEN'L COAL REPT.

See

Coal bed name: Local, 6

Collector, KDW white

Mine, 2'

Survey 6

State No. 0333 4d

Co. St. Clair

Co-op. No. 82

L.—SURFACE SHEET (Geol.)



UNDERGROUND DATA (cont'd.)

- K. (5) Physical character of coal in benches,
- (a) Relative hardness, *Top coal hardest, then bottom.*
- (b) Lustre, *Top coal bright, Middle + Bottom Coal duller*
- (c) Fracture, *Top coal, semi-conchoidal, rest hackly*
- (d) Texture, *Solid to banded* See #2+3
- (6) Impurities in coal, other than bedded,
- (a) Kind,
- (b) Position and persistence,
- (c) Rejected, Ease of separation, See

- L. Floor: (1) Material *Fire clay*
- (2) Thickness *0 to 1 1/2'*
- (3) Variation
- (4) Note character, condition, tendency to heave, relation to undercutting commercial value.

Heave on contact with water. Bastard Ls below

Dug 12' sump did get thru.

Boulders in bottom of clay.

Appearance same as typical of district. 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, *KOH*

Coal *6*

State No. *03334d*

Mine, *2*

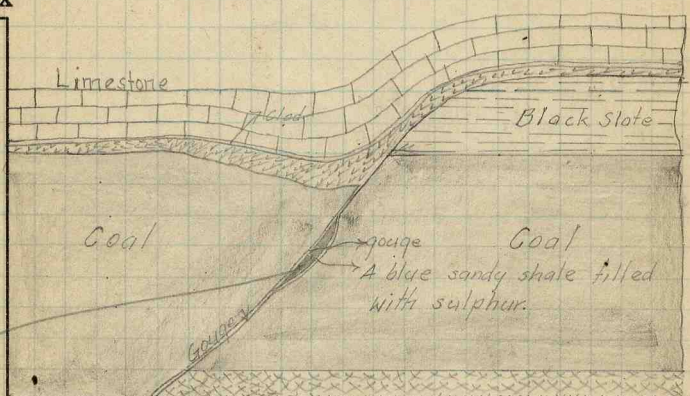
Co. *St. Clair*

Co-op. No. *82*



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Leave open.



Part of Main South Entry
700' from shaft.

Sketch showing slip and clay vein formed prior to deposition of limestone. The veins occur in more or less definite directions and can be traced from 400 to 500 feet.



Sketch showing unconformable contact of coal and limestone.

H Roof a light gray, compact, fine grained Limestone on fracture face sparkles with sand grains. 2' thick. 20' above another ledge of Ls. 8' thick, shale between both ledges.

G Black slate of variable thickness over roof of mine slate always comes down sooner or latter

Collector KDW

Coal 6
Co. St. Clair

State No. 0333.4d

Mine 2

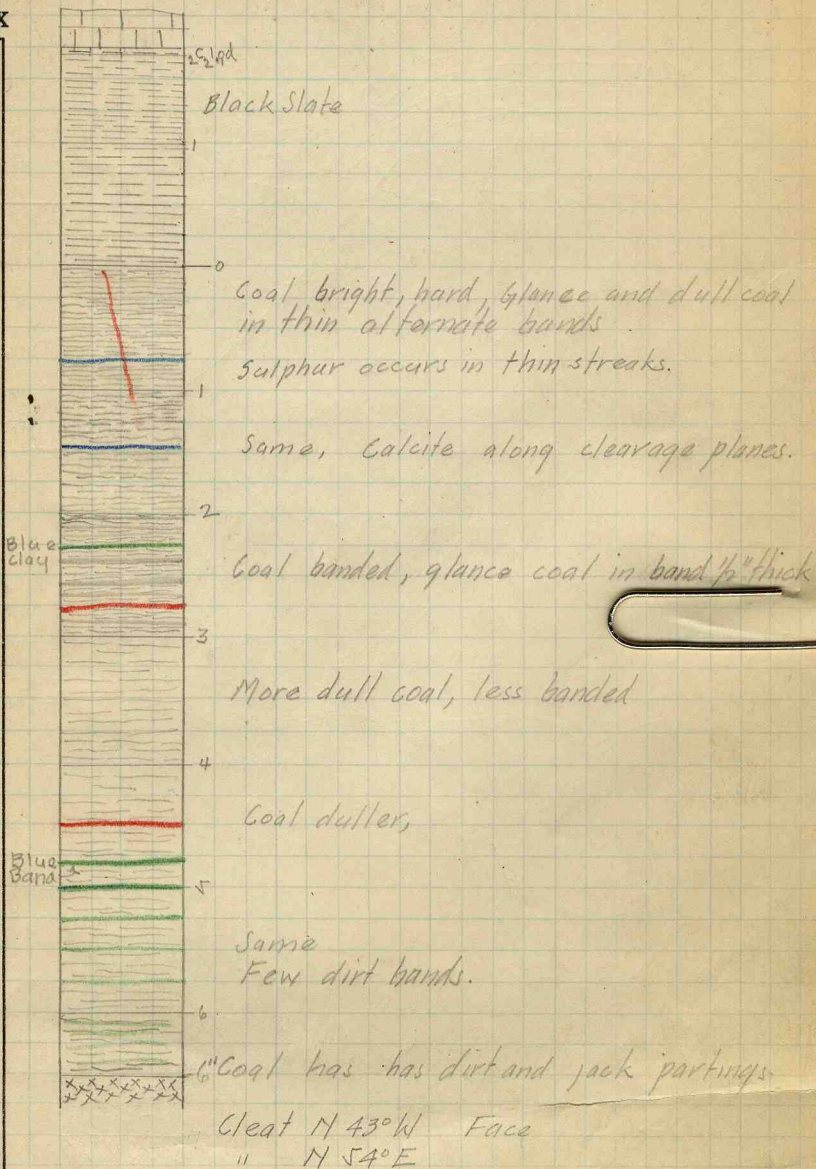
Co-op No. 82

X.—EXTRA SHEET No. 1



INDEX

K5



Room 25-7th East South

Collector KDW

Mine Z

X-EXTRA SHEET No. 2

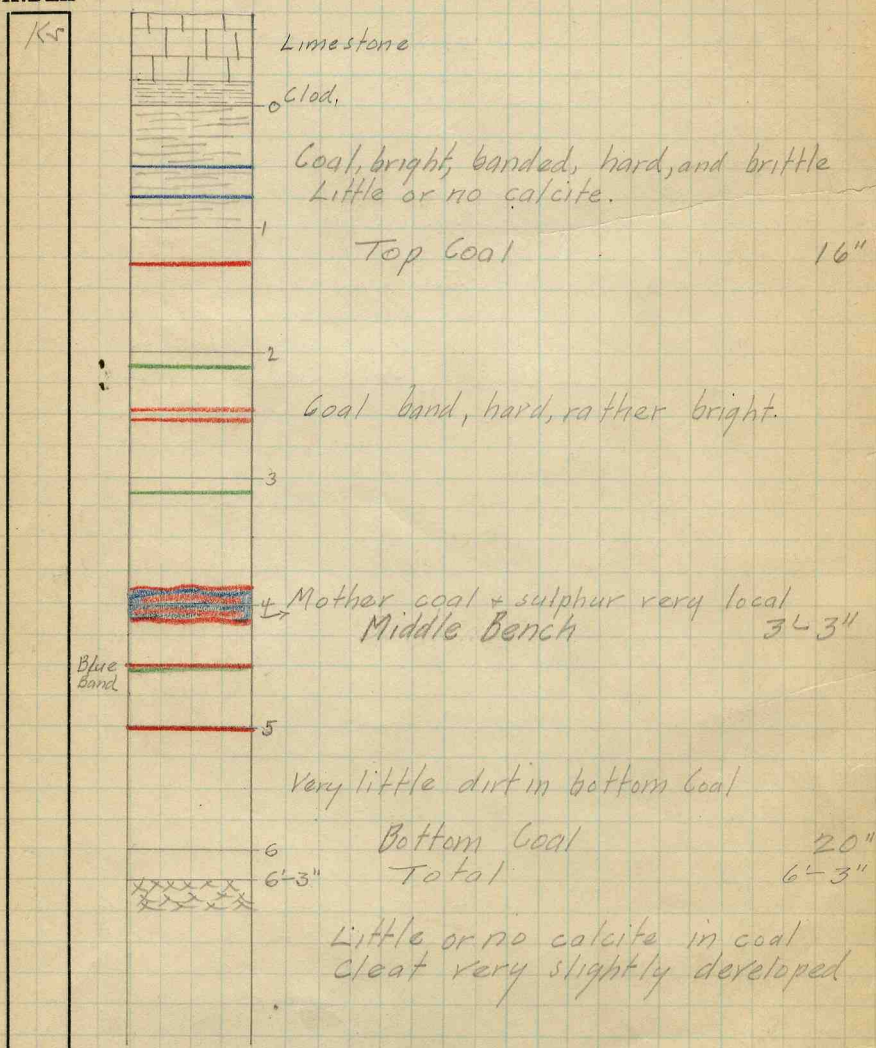
Coal 6

Co. St. Clair

State No. 0333.4c

Co-op No. 82

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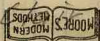
Collector KDW

Mine 2

X.—EXTRA SHEET No. 3

Coal 6

Co. 57



State No.

0333.4 d

Co-op No. 82



COAL MINING INVESTIGATION

COOPERATIVE AGREEMENT

Operator, *St. Louis & Fallon Coal Co.* Date, *July 13* 1912
 Mine, *No. 2.* Located *4 1/2* miles *NE* from *French Village*
 Location in mine, *Face of Main South Entry*
 Total (vertical) depth from surface at point of sampling, *198* 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

Floor - fire clay

No.	DESCRIPTION	FEET	INCHES
x1	Roof - black shale		✓
2	Coal - clean - hard - bright		7 $\frac{1}{2}$
3	Mother of coal - soft		$\frac{3}{8}$
4	Coal - clean - bright		8
5	Sulphur - Top coal parting		$\frac{1}{8}$
6	Coal - fairly clean		10 $\frac{3}{4}$
7	Clay parting		$\frac{1}{4}$
8	Coal - fairly clean 78		2 $\frac{1}{2}$
9	Sulphur streak		$\frac{1}{8}$
10	Coal - fairly clean		9 $\frac{1}{2}$
11	Sulphur parting		$\frac{1}{8}$
12	Coal - fairly clean - hard		17 $\frac{1}{2}$
x13	Blue band - shale		$\frac{1}{2}$ ✓
14	Coal - very dirty		2 $\frac{1}{2}$
15	Sulphur		$\frac{1}{4}$
16	Coal - dirty & streaked		16 $\frac{1}{2}$
x17	Bone		$\frac{1}{2}$ ✓
18	Coal - dirty		2
Total,			

Is coal wet or dry? *dry* ✓ Total = 6' 7" ✓

Time exposed, *0* hours, *45* minutes.

Weight, *45 #* gross, net.

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

What are shipped? *2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 15, 16, 18*

What are excluded from the sample? *1, 13, 17*

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

Town, *French Village* Mine, *No. 2.* Co. *St. Louis & Fallon Coal Co.*
 Sample No. *825* ✓ Can No. *St D 18* ✓ No. *82* **0333.48**

I.—COAL SAMPLE SHEET. Sampler. *Nebels & Smith*

#5108



COAL MINING INVESTIGATION

COOPERATIVE AGREEMENT

Operator, St. Louise O'Fallon Coal Co. Date, July 13 1912
 Mine, No. 2 Located 4 1/2 miles NE from French Village
 Location in mine, Face of Main North Entry
 Total (vertical) depth from surface at point of sampling, 198 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 - black shale		
2	Coal - Top bench - clean bright	1	4 $\frac{1}{8}$
3	Sulphur parting		
4	Coal - fairly clean	0	11 $\frac{1}{2}$
X5	Bone -		
6	Coal - very dirty & soft	1	0
7	Coal - fairly clean	1	4 $\frac{1}{8}$
X8	Blue band - shale		
9	Coal - fairly clean	85	3 $\frac{1}{2}$
X10	Bone		
11	Coal - fairly clean	84	9 - $\frac{1}{8}$
12	Sulphur parting		
13	Coal - badly dirt streaked		7
14	Coal - fairly clean - hard		10 $\frac{1}{2}$
X15	Floor - fire clay		
16			
17			
TOTAL,		7	2 $\frac{5}{8}$

Is coal wet or dry? - wet. ✓
 Time exposed, 0 hours, 35 minutes.
 Weight, 55 # gross, net.
 What are the impurities, and how do they occur? Sulphur - bone - shale & soft dirt in horizontal bands
 What are shipped? 2, 3, 4, 6, 7, 9, 11, 12, 13, 14 (part of 5 & 10)
 What are excluded from the sample? 1, 5, 8, 10

Coal bed, No. 6.

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

Town, French Village Mine, No. 2. Co. St. Louise O'Fallon Coal Co.
 Sample No. 82A Can No. St D 10 No. 82 0333, 4d

I.—COAL SAMPLE SHEET. Sampler. Nebelsmith

#5109



COAL MINING INVESTIGATION
COOPERATIVE AGREEMENT

Operator, St. Louis O'Fallon Coal Co. Date, 7-13 1912
 Mine; # 2 Located 4 1/2 miles* E from French Village
 Location in mine, Face of Main South-
 Total (vertical) depth from surface at point of sampling, 178 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

Floor - Fire clay

No.	DESCRIPTION	FEET	INCHES	
x 1	Roof - black shale			
2	Coal - clean - hard - bright		7 1/2	
3	Mother of coal		3/8	
4	Coal - clean bright		8	
5	Sulphur - top coal parting	120	1/8	
6	Coal - fairly clean		10 3/4	
7	Clay parting		1/4	
8	Coal - fairly clean		2 1/2	
9	Sulphur streak		1/8	
10	Coal - fairly clean		9 1/2	
11	Sulphur parting		1/8	
12	Coal - fairly clean hard		1 5 1/2	
x 13	Blue band - shale		1/2	
14	Coal - very dirty		2 1/2	
15	Sulphur parting		1/4	
16	Coal - dirty streaked		1 4 1/2	
x 17	Bone		1/2	
18	Coal - dirty		2	
	TOTAL,			

Is coal wet or dry? dry 6' 7"
 Time exposed, 0 hours, 45 minutes.
 Weight, 45# gross, net.

What are the impurities, and how do they occur? Sulphur-bone-clay
+ mother of coal - horizontal streaks.
 What are shipped? 2-3-4-5-6-7-8-9-10-11-12-14-15-16-18
 What are excluded from the sample? 1-13-17

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

Town, French Village Mine, # 2 Co. St. L. + O'Fallon
 Sample No. B 2 R Can No. St. D. 18 No. Coal Co.
82 0333 Ad

I.—COAL SAMPLE SHEET. Sampler. Nobel + Smith-

St Clair



COAL MINING INVESTIGATION

COOPERATIVE AGREEMENT

Operator, *St. Louis + O'Fallon Coal Co* Date, *7-13* 191 *2*
 Mine, *#2* Located *4 1/2* miles* *E* from † *French Village*
 Location in mine, *Face of Main North-*
 Total (vertical) depth from surface at point of sampling, *198* 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 clean bright	1	4
3	Sulphur parting		$\frac{1}{8}$
4	Coal - fairly clean	0	11
x 5	Bone -		$\frac{1}{2}$
6	Coal - very dirty + soft	1	0
7	Coal - fairly clean	1	4
x 8	Blue band - shale		$\frac{7}{10}$
9	Coal - fairly clean		3
+ 10	Sulphur parting Bone		$\frac{1}{2}$
11	Coal - fairly clean		9
12	Sulphur parting		$\frac{1}{8}$
13	Coal - badly dirt streaked		7
14	Coal - fairly clean - hard		10 $\frac{1}{2}$
x 15	Floor - fine clay		
16			
17			
	119	TOTAL,	72 $\frac{5}{8}$

Is coal wet or dry? *Wet*Time exposed, *0* hours, *35* minutes.Weight, *55#* gross, net.What are the impurities, and how do they occur? *Sulphur - bone - shale and soft dirt in horizontal bands -*What are shipped? *2, 3, 4, 6, 7, 9, 11, 12, 13, 14*What are excluded from the sample? *1, 5, 8, 10*Coal bed, *#6*

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

†Nearest railway station.

Town, *French Village* Mine, *#2* Co. *St. Louis + O'Fallon*Sample No. *B2A* Can No. *St. D. 10* No. *B2 0333 Ad.*I.—COAL SAMPLE SHEET. Sampler, *Nebel + Smith*



COAL MINING INVESTIGATION

COOPERATIVE AGREEMENT

Operator, *St. Louis + O'Fallon Coal Co.* Date, *7-13* 191 *2*
 Mine, # *2* Located *4 1/2* miles* E from † *French Village*
 Location in mine, # *7 Room N on 11th E. off Main South-*
 Total (vertical) depth from surface at point of sampling, *198* 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 - Grey limestone		
x 2	Clod		3
3	Coal - clean, bright, top bench	1	4
4	Sulphur - parting		
5	Coal - dirty		6
6	Bone		1/4
7	Coal - fairly clean	6	
8	Sulphur parting		1/8
9	Coal - fairly clean - bright	1	11 1/8
x 10	Blue band - shale + bone	1	
11	Coal - rather dirty	3	1/2
12	Mother of coal - soft		3/4
13	Coal - dirty	4	1/4
14	Floor - fire clay		
15			
16			
17			
TOTAL,		<i>121</i>	<i>1</i>

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 in vert streaks + pyrite, bone, shale + mother of coal in hor.* "

What are shipped? *3-4-5-6-7-8-9-11-12-13*

What are excluded from the sample? *1, 2, 10*

Coal bed, # *6*

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

†Nearest railway station.

Town, *French Village* Mine, # *2* Co. *St. L. + O'Fallon Coal Co.*
 Sample No. *B2 C* Can No. *St. D. 19* No. *B2 0333 Ad*
 I.—COAL SAMPLE SHEET. Sampler. *Nebpl + Smith -*