R -F

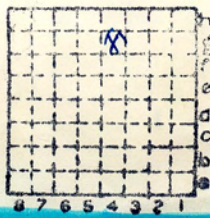
HERRIN

Kolb CC #2

S 21.

232

Mine Index 3185



Sec. 32

T. 1 N. ~~S.~~

R. 6 ~~E.~~ W.

Index No.

Mine originally operated by: (1) Kolb Coal Co

Date 1912 No. 2

Original name or number:
Illinois Coal Report p.

LATER OPERATORS

	Date	Operator	Name or No.
2		Mascoutah C & Mg Co	2
3	1940	Home Coal Co	(Local)
4	1941	" " "	(Shipping)
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			Abd 1941

*Also owners #See ownership sheet

Railroad, Wagon, Strip, Idle, Abandoned 1940

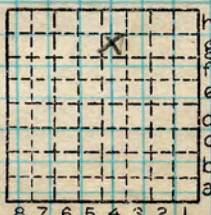
IDENTIFICATION

County No. 232 Coal No. □6

Coal Report No. S-21

Quad. New Athens

County St Clair



Sec. 32

T. 1 N. S.

R. 6 W.

Index No. 0932 G4

COAL MINE OPERATOR

MOORE'S MODERN METHODS

(Sheets) COAL PRODUCTION (Sheet)

Period Mo. Day Year	Period Mo. Day Year		Tons		
1912	1930		2	354	619
S-21 1 1	1931 12 31	1931		21	633
		1932		17	104
		1933 (LOCAL)		2	000
YOCH		1934		1	165
NOT LISTED		1935			
"		1936			
MASCOUTAH C. & MFG		1937		27	693
		1938		19	820
		1939		3	724
HOME C.C.		1940 (Local)		2	915
		1941		7	634
Not listed 1942		1942			sale
		1943			sale
		1944			sale
		1945			sale

SUMMARIES

No.	to	No.				
						307
1912	1941	TOTAL PROD.	2	458		[illegible]

1940

Railroad, Wagon, Strip, Idle, Abandoned

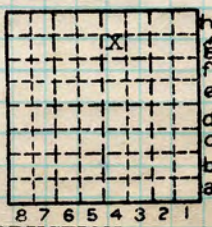
IDENTIFICATION

County No. 232 Coal No. □6

Coal Report No. S-21

Quad. New Athens

County



Sec. 32

T. 1 N. S.

R. E. 6 W.

Index No. 0932 G4

COAL MINE—PRODUCTION

ILLINOIS GEOLOGICAL SURVEY, URSANA

(2732—2M—7-41)

4

Symbol	Description	Inches
	Room 20 8th south, east side	
	Coal 84½"	84½
	Pyrites in streak 5" above blue band Somewhat less than on north side of mine in this room. Average ⅛-¼" sulphur	
	Blue band 16" above floor	

(Scale: 1 division = 3 inches).

Sample No. Can No. Lab. No.

Collector, Cady Sept 7, 1918 Coal: Survey No. 6

Mine, Kolb #2 Co. St Clair Index No. 09321

Q.—COAL SECTION SHEET.

6e

Symbol	Description	Inches
	Section of coal in Room 2 off 4th north off east entry	
	Roof: Black slate	
1	Coal	14
2	Coal	7
3	Mother coal	1/8
4	Coal	19
5	Clay	1/4
6	Coal	2
7	Clay	1/4
8	Coal	14
9	Sulphur(average 1/4")	1/8
10	Coal	5
11	Blue band	1
12	Coal	21
	Floor: fire clay	

(Scale: 1 division = 3 inches).

Sample No. Can No. Lab. No.

Collector, Cady Sept 7, 1918

Coal: Survey No. 6

Mine, Kolb #2 Co. St Clair

Index No. 0932 b

Q.—COAL SECTION SHEET.

6e

Symbol	Description	Inches
	Typical section of the coal	
1	Top coal	14
2	Clay band or streak	
3	"Nine-inch" coal	10
4	Clay band or streak	
5 6	"Drift" coal ; dirty	15
7	"Block" coal Clay band	20
8	Dirt or sulphur band	½
9	"Four-inch" coal	4
10	Blue band	1½
11	Bottom coal	20

(Scale: 1 division = 3 inches).

Sample No. Can No. Lab. No.

Collector, G. H. Cady Sept 7, 1918

Mine, Kolb #2 Co. St Clair

Coal: Survey No. 6

Index No. 09324

Q.—COAL SECTION SHEET.

COAL MINING INVESTIGATIONS

Cooperative Agreement

0932b

Mine Name or No., #2. 541 degrees E from SW cor of NW¼NW¼ NE¼ sec 32. R. 6 W

mile from

Operator, 191 Kolb Coal Co (letter from Wm. Ziehnert) T. 1 N

R. R.

Operator, 191

Entrance, Elev., ft. { above, below,

Depth to bottom coal, ft. Alt.

Surface Data.

A. Topography See

B. Surficial materials, (1) Character

(2) Thickness, (3) Effect on mining and shaft-sinking, of former drainage lines, underground water strata, etc.

See

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

Collector, State No. 0932 b

Mine, Co. Co-op. No. IA 32 b of f

L.—SURFACE SHEET (Geol.) S. Clair 60

COAL MINING INVESTIGATIONS.
Cooperative Agreement. Sec 32-1N-6W

Operator Kolb Coal Co. Date Aug 22 1913
Mine 3/4 miles NE from Stallion
Location in mine St Entry
Depth of shaft 168 Material Floor

No.	Description	Ft.	In.
1.	Discarder		3"
2.	White 3"		
3.	Sample { Dark Gray hard 13" }		16"
4.			
5.			
6.			
7.			
8.			
	Total-----		

Roof. Measurements. Floor.

Read

Area Mined
Area underlain by shale sampled
Is underclay continuous Yes
What impurities and how do they occur
Boulders not noticed in this sample
Physical character roof or floor Roof of stone.

Sample No. 58 Tag No. 1844
Mine Kolb Coal Co.
Town Mascoutah County St. Clair
O. CLAY SAMPLE SHEET. Sampler Swett

Sec 32-1N-6W

COAL MINING INVESTIGATIONS.
Cooperative Agreement.

Operator Kolb Coal Co. #2 Date Aug 22 1913
Mine 3/4 miles NE from Moscow Station.
Location in mine Sump under air shaft.
Depth of shaft 168 Material Floor

No.	Description	Ft.	In.
1.	Directly under coal.		
2.	Gray material. Hard.		
3. A	Sample taken from		24"
4.	sump they are digging.		
5.			
6.	Next 24" under		
7. B	above sample.		24"
8.	Same characteristics		
	Total------		48"

Roof. Measurements. Floor.

This mine is joined under ground to the #1 mine.
Gasoline Haulage.
Coal 6'-5" to 9'2.0"
Not much water except at shaft.

Area Mined
Area underlain by shale sampled
Is underclay continuous Yes
What impurities and how do they occur.
Boulders at depth -

Physical character roof or floor Roof
is of black stone - lime?

See extra sheet.

Sample No. 57 A-B Tag No. 1990
Mine Kolb Coal Co. #2
Town Moscow County St. Clair
O. CLAY SAMPLE SHEET. Sampler Swett

Mine Name or No., No. 2
mile from Mascoutah
Operator, 191 Kolb Coal Co

Operator, 191

Entrance, Shaft Elev., 430 ft. { above, below,
Depth to ~~coal~~ top coal, 185 ft. Alt. About 245

SURFACE DATA.

A. Topography, Level See

B. Surficial materials. (1) Character, Drift.

(2) Thickness, ? (3) Effect on mining and shaft-sinking, of former drainage lines, underground water strata, etc.

No water from surface materials in this mine. Struck quick sand in the No, 1 shaft

See

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, G.H.Cady Sept 7 1918
Mine, Kolb #2 Co. ST Clair Index No. 09321

L.—SURFACE SHEET (Geol.) 6e

F. Thickness of rock above bed worked,

(1) Important variations,

See

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

See

(1) Position,

(2) Character,

(3) Persistence,

(4) Other workable coal beds,

See

H. Cap rock, Limestone

(1) Thickness, Did not know; several ft

(2) Height above coal, 2" to 5- 6 feet

See

I. Immediate roof, Clod under ls: Bk st. So st.

(1) Thickness, Bk st0-4 (2) Contact with coal, Sticks to coal

(3) Horizontal variation, Under cap rock clod up to about 8"

See

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

(3) Persistence,

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

(1) Benches, Top, "9-inch", drift, block

(a) Position, "4-inch", and bottom

(b) Persistence, Persistent; separated by clay or pyrite bands

See

(2) Bedded impurities, kind, position in benches, persistence, ease of separation. Clay or pyrite bands between benches, especially at blue band, at top of "4-inch" and between drift and block coals. Drift coal very dirty

See

(3) Irregularities in continuity of bed (due to deposition, erosion, or movement, Few slips under cracks in cap-rock

See

(a) Effect on mining, Gives some dirty coal.

See

SECTION				
Ft.	In.	Name	Index	Sym.

Collector, Cady Sept 7. 1918

Mine, Kolb #2 Co. St, Clair

Coal: Survey No. 6

Index No. 09321

M.—UNDERGROUND SHEET (Geol.)

6E

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

(a) Relative hardness, Coal in top and block benches said to be the best

(b) Lustre,

(c) Fracture, Drift bench dirty, friable

(d) Texture, See

(6) Impurities in coal, other than bedded, None except little

(a) Kind, in slips

(b) Position and persistence, Not important

(c) Rejected, Commonly Ease of separation, See

L. Floor: (1) Material, Fire clay

(2) Thickness,

(3) Variation,

(4) Note character, condition, tendency to heave, relation to undercutting commercial value. Give no difficulty

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. 0932 b 6e

N.—UNDERGROUND SHEET (Geol.)

Insert X

INDEX

H The limestone caprock in this mine makes considerably over 50% of the roof. Between the rock and the coal is a thin layer of soft clay or clod not commonly over 6-8" thick, though possibly in a few places as much as a foot thick. This of course comes with the coal. After this is down the roof is the cap rock. Under the rock roof conditions are excellent. I doubt if I have seen a mine in the State where they are better. The cap rock is thick and apparently never breaks through. The rock is cut, however, by cracks along which there has gennerally a little movement, generally not over an inch or two, but in places nearly a foot. Below these cracks the coal is also cracked and somewhat slippy, and clay filled cracks are not unknown, similar to the horsebacks in No, 5 coal, The bottom of the cap rock is irregular as elsewgere, Knobs of the rock in places protruding into the room or entry especially where the coal is overlain by black slate.

I Where the black slate is present and forms the roof of the coal t generally has to be pulled down sooner or later, as it is cut by slips especially under the cracks in the cap rock and is very hard t hold. The lower part of the slate contains large concretions commonly 1 - 3 feet in diameter . These are also hard to hold and add in making the black slate roof insecure. The black st. forms much less than one-half of the roof of the mine.

In a few places gray soapstone instead of black shale forms the roof. The area of this material is small. A little "whitetop" is found; this consists of specially soft dark sgale. Unimp.

Collector Cady Sept. 7, 1918
Mine Kolb #2 Co. St. Clair
X.—EXTRA SHEET No. 1

Coal: Survey No. 6
Index No. 0932b

MOORE'S MODERN METHODS

PYRITE RECOVERY

See Extra Sheet No.

7. Method of rejection of pyrite Picked out of coal by
   (1) In mine miner sometimes
   (2) Per cent rejected Not picked clean; prob .5%
   (3) At tipple Little by trimmers
   (4) Per cent rejected Very small
8. Per cent of pyrite in rejected lumps In plates pyrite very clean except in blue band where not over 50%
9. Possible daily production of pyrite Mine produces 1500 tons coal, If all pyrite saved possibly 10 tons. Prob, not more than 5 tons could be saved
10. Possibility of future production Fair if price right Company interested
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
   (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 Pyrite plates shotup rather badly. Possibility of recovery if needed good.

Collector Cady Date Sept 7 1918 Coal No. 6

Operator Kolb Coal Co Co. Mine No 50 St. Clair Index No. 09321

Mine No. 2

Z PYRITE SHEET (2) 6e

MOORE'S MODERN METHODS

PYRITE

GEOLOGICAL OCCURRENCE

See Extra Sheet No.

1. Manner

Pyrite occurs as sheets between the different benches, especially in the blue band, and about 5" above the blue band, above the "4-inch" coal.

2. Size of Masses The plates are rarely more than 1" thk but may extend 12 to 15 inches. Prob, ½x 10" aver. A few balls near top 2-3" x 8 to 10"

3. Measurements to determine amount

No.	Location in mine	1 C	1 P	2 C	2 P	3 C	3 P	4 C	4 P	5 C	5 P	Total Coal	Total Pyrite	Px3	P %
1	2nd W off 2 N - W	Only in band above										4"	¼	3/4	1
2	R-10 2-N off west											95	2	6	7
3	R-16, 8-S											90	½	1½	1.5
4	R-19-S, 2-E, 8-S	84	3/4		3/4		¼		¼				½	1½	1.5
5	R-2, 4th N off E	93										93	⅛		.5
6															
7	R-20 8th S E side											84	¼	3/4	1
8	End 4th N E side											84	½	1½	1.7
9															
10															

4. Notes

Average too high on acct of large amount shown in #2, Prob, about 1%

Total	14.2
Average	2

5. Samples.

Label No.	Location in mine	Analyses, etc.
Pyrite in bands good stony pyrite of usual character		
C-18 - 94	??????	Stony pyrite

6. Notes

Collector Cady Date Sept 7, 1918 Coal No. 6

Operator Kolb Coal Co No. 50

Mine No, 2 St Clair Co Index No. 09321

Y—PYRITE SHEET (1)

(8712-200-7-18) 6e

Symbol	Description	Inches
	Room #10 off 2nd north on west side	
	Roof: Black slate	
	1 Coal	9
	2 Sulphur ball	2
	3 Coal	22
	4 Sulphur and clay	1/2
	5 Coal	17 1/2
	6 Sulphur	1
	7 Coal	13 1/2
	8 Sulphur	3/4
	9 Coal	5 1/2
	10 Blue band	1
	11 Coal	23
	Floor: fire clay	
	Sulphur in this section a little more than common. Probably averages about 1 1/2 inch in this room	

(Scale: 1 division = 3 inches).

Sample No. Can No. Lab. No.

Collector, Cady Sept 7, 1918 Coal: Survey No. 6

Mine, Kolb #2 Co. St Clair Index No. 09321 6e

Q.—COAL SECTION SHEET.

R F

Mine Index

Mascoutah Coal & Mng Co.

St. Clair 32-1N-8W

Mascoutah Coal & Mining Co. was listed

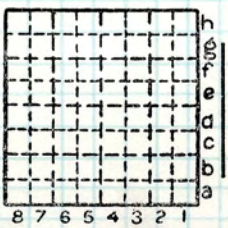
in 1934 as the E. A. York mine

(# 34 on map)

By EFT Date 6/9/37

Quad. Part

County St. Clair



Sec. 32

T. 1 N. S.

R. 8 E. W.

Index No.

(27394—10M—11-55) ILLINOIS GEOLOGICAL SURVEY, URBANA