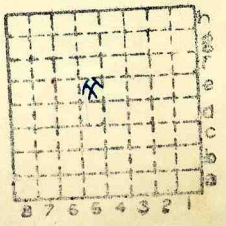
Superior CC #2

S-7

256

mi. #503



MOORE'S MODERN METHODS

Mine originally operated by: (1)

Date 1903 Superior Coal Co.

Original name or number: #2

Illinois Coal Report 1903 p.

LATER OPERATORS

	Date	Operator	Name or No.
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			

1946
OK

670' N 120' W of SE Corn. of NW quarter (1948)

* Also owners #See ownership sheet

Railroad, Wagon, Idle, Abandoned Shaft

C. & N. W.

IDENTIFICATION

S.1

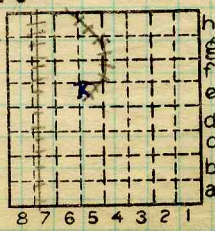
County No. 256 Coal No. 6

Gillespie

Quad. 200 Part 7

(1948) 7'5"

County Macoupin



Sec. 6

T. 7 N.

R. 6 W.

Index No. 2406 e5

COAL MINE OPERATOR

(3106-21531) 3

(Sheets) COAL PRODUCTION (Sheet)

No.	Period Mo.	Day	Year	Mo.	Day	Year	Tons	
						1935		#7
						1927	484	046
						1931	589	962
						1932	334	212
7	1	1	1936	12	31	1936	857	108
7	1	1	1937	12	31	1937	432	831
S-7	1	1	1938	12	31	1938	653	848
							514	611
						1940	638	667
S-7	1	1	1941	12	31	1941	687	281
S-7	1	1	1942			1942	804	236
						1943	849	228
						1944	859	446
						1945	797	531
						1946	805	901
						1947	708	866
						1948	701	751
						49	695	221
						50	503	715
						51	513	429
						52	407	000
						53	474	224

SUMMARIES

No.	to	No.		
1903		1935	21571	651

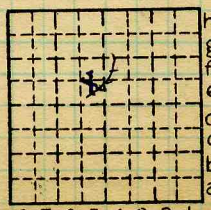
Railroad, Wagon, Idle, Abandoned

S-7 IDENTIFICATION

County No. 256 Coal No. 6

Quad. Gillespie 200 Part 7

County Macoupin



Sec. 6

T. 7 N.

R. 6 W.

Index No. 2406 e5

COAL MINE—PRODUCTION

(34217—1M—3-30) 7

John C. Moore Corporation, Rochester, N. Y. Binder and holes in leaves, each Patented 1906. 364228

MOORE'S MODERN METHODS

LOCATION AND ELEVATION

Location: side R. R.
side R. R.
side Highway No.
on top. map Location sheet Map Files #9-59-21

Elevation: Method, 1. Est. ( ) ft.
2. Inst. (kind PT) 625.6 ft.
By NB591 PSM p.39-242 Data sheet

DEPTH

Authority	To coal	321 ft.
Authority	Rail to rail	ft.
Top of coal above rail. (Est. Rule)		ft.
	To coal	320 ft.

ALTITUDE OF TOP OF COAL

By estimated data
By instrumental data 306 ft.

Thickness

Max. in. Min. in. Aver. 90 in. 89

GEOLOGICAL DATA

Mine notes, date 1905

Coop No. Pyr. inv. Coal Ash inv.

CHEMICAL DATA Mine Index 503

Analyses Face	U. I.	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

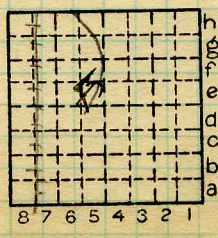
Misc. tests: Coking. Cleaning Boiler

Published descriptions:—

Railroad, Wagon, Idle, Abandoned

IDENTIFICATION

County No. 256 Coal No. 6
S7 Gillespie
Quad. 200 Part 7
County 60N 120W Sec. SENW
Macoupin



Sec. 6
T. 7 N. S.
R. 6 E. W.
Index No. 2406-5e

COAL MINE LOCATION AND DATA

(34215—1M—3-30) 7

Location and Elevation Data

Location: Exact ~~Approximate~~

(Approximate only if no trace or record of original exists)

Location by PSM

Date 8-29-29 Notebook No. 591 Page 39-242

Looseleaf ref.

Map files No. 9-59-21

Description of location

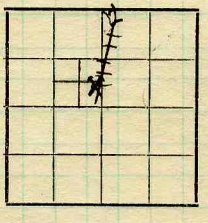
Position in sec., ¼ sec., 40 acres

2050
1960. feet from North line

feet from East line

feet from South line

2400
2520 feet from West line



Sec. 6

T. 7 N. ~~S.~~

R. 6 ~~E.~~ W.

Other description: Drilled 1903

Aver #10 (1904

Sunk 1904

320' to 7'6" coal

Farm

No.

Company Superior Coal Co

No. 7

County No. 256

Elevation 625.6 ft.

By PSM

Method: Level, transit, alidade, hand level

Alidade

Elevation of Rail

Height of point above ground 0

Date 8-29-29 Notebook 591 P 39-242

Looseleaf ref.

Map files No. 9-59-21

Description of item: (drill hole, mine, etc.) Mine

(Act. Ship. Mines)

County Macoupin Quadrangle Gillespie (200) Index No. 2406.5e

Mine Name or No. 2 Mine Address Sawyerville

Operator Superior Coal Co

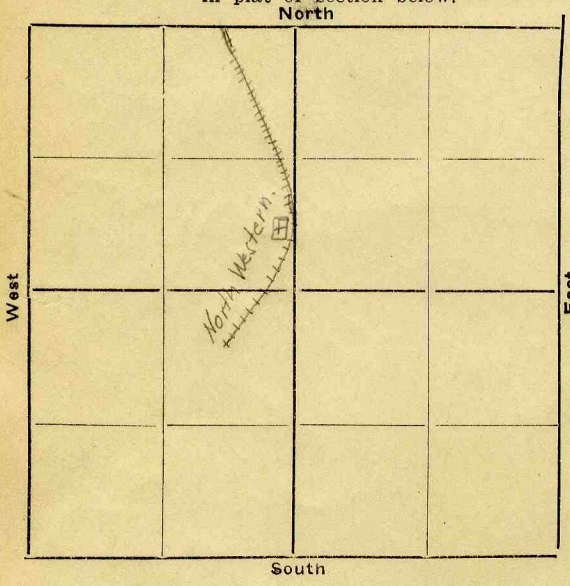
Main Office Address Gillespie Illinois

Location of Mine:

Township Name Mt Olive County Macoupin

Section No. 6 Township 7 ~~S~~ N Range 6 ~~E~~ W

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



Kindly state number of feet from quarter section lines:

2040 from N. line

from E. line

from S. line

2560 from W. line

Idle entire year 19____ Yes / No

Abandoned (date) 19____

Surface landing is ? feet above sea level or about ____ feet (above) (below) railroad station at ____ (nearest town).

Depth to top of coal is ? feet.

Average thickness of coal is ____ feet ____ inches.

Do not fill in below this line.

Coal Bed Name Belleville Survey No. 6

County Macoupin Index No. ____

V—MINE LOCATION SHEET.

MOORE'S MODERN METHODS

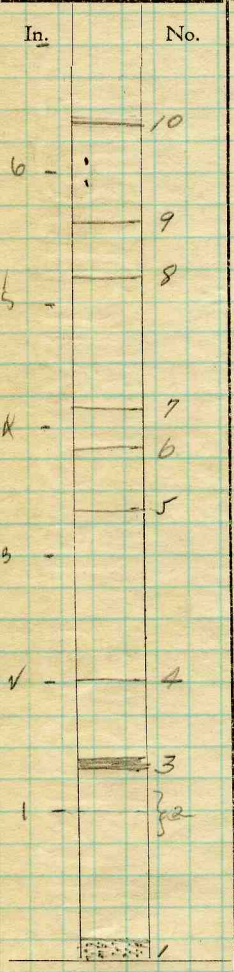
Operator, Soperior Coal Co Date July 23, 1931

Mine, No 2 Sec. 6 T. 7 N R. 6 W

Location in mine,

Room 7 14th South, 6th West South (over)

GRAPHIC SECTION



DESCRIPTION OF SECTION (AT POINT SAMPLED)

No.	(Note character and thickness of roof)	Inches
	Black Slate Roof 18" thick	
	7'6" to top of Coal	
(10)	charcoal parting	
(9)	charcoal and pyrite 1/8"	
(8)	1/2" pyrite	
(7)	1/8" pyrite and charcoal	
(6)	charcoal parting	
(5)	1/4" pyrite	
(4)	1/4" pyrite	
(3)	1 1/2" Med Hard Clay	
(2)	Soft friable Coal.	
(1)	Fire Clay	

(Note character and thickness of floor)

Total thickness of coal

Condition, Time, hr. min.

Wt. Gross, lbs. Net, lbs.

What Nos. shipped by Co.?

Excluded from sample: No.

Sample represents in. tons.

Impurities? How do they occur?

Sample No. 10 Can No. R-10 Lab. No.

Collector, H Mukaban Coal: Survey No.

Mine, Superior #2 Co. Macoupin Index No.

R.—COAL SAMPLE SHEET.

MOORE'S MODERN METHODS

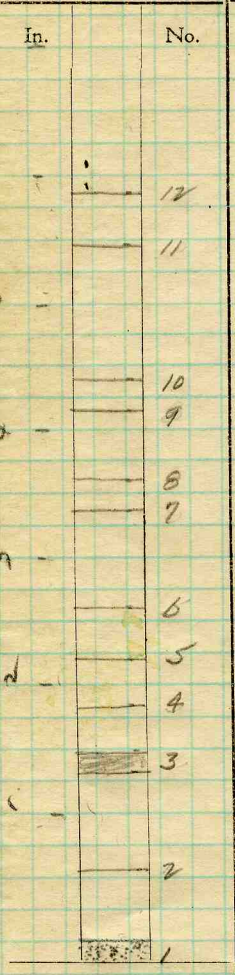
Operator, Superior Coal Co Date July 24 1931

Mine, No 2 Sec. 6 T. 7N R. 6W

Location in mine,

No 4 Room off 9th East off 13th N. Main East North.

GRAPHIC SECTION



DESCRIPTION OF SECTION (AT POINT SAMPLED)

No.	(Note character and thickness of roof)	Inches
	Roof 6" of Black Slate.	
	Top of Seam 7'9"	
	2" below top is parting	
(12)	Charcoal 1/2"	
(11)	Laminated Pyrite 1/4	
10	Pyrite 1/8	
(9)	Charcoal 1/4"	
(8)	Charcoal w/ Pyrite 1/8	
(7)	Pyrite lamina 1/4"	
6	Pyrite 1/8	
(5)	Pyrite 1/16	
(4)	Pyrite lamina 1/4"	
(3)	Blue Band. Clean Clay 2"	
(2)	Charcoal parting	
(1)	Fire Clay	
	(Note character and thickness of floor)	
	Total thickness of coal	

Condition, Time, hr. min.

Wt. Gross, lbs. Net, lbs.

What Nos. shipped by Co.?

Excluded from sample: No.

Sample represents in. tons.

Impurities? How do they occur?

Sample No. 11 Can No. R11 Lab. No.

Collector, H.M. Nicholson Coal: Survey No. 6

Mine, Superior #2 Co. Macoupin Index No.

R.—COAL SAMPLE SHEET.

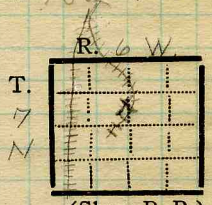
Superior Coal Co. Mine No. 2.
Columns No. 10 and 11.

Column No. 10 was obtained in the No. 2 mine of the Superior Coal Co. which is located at Sawyerville, on the road between Gillespie and Staunton. This sample was taken at a point 5600 feet west and 750 feet south of the shaft and at a location in the mine where there was thich heavy black slate between the coal and the overlying limestone. This slate had to be held up with props as it tended to soften and fall after beig exposed to the air. The slate was considerable greater in thickness in the same section where this sample was obtained than it was immediately over the column itself. Here it was only 18 inches in thickness. This column was cut fron the corner of a room and a cross-cut that was reasonably new, as new as could be found as this side if the mine had been closed for a short time some months previous. The cross-cut was new however and by picking and wedgeing down all the loose and solid coal to get the face vertical there was little question as to the freshness. About two feet of coal had to be removed for nearly the entire height as the overhang was great. While there was considerable strain on the column and it tended to rash and split, we obtained a fair column by the usual hand picking methods and without the use of an electric drill.

Column No. 11 was obtained at a point 6000 feet east and 1500 north of the shaft, only a little distance from the No. 1 mine workings and just a little west of the town of Mt. Olive. This column was also taken from under a black drae slate, which here was about 6 inches thick. This section of the mine was entirely new so there was no drying out of the pillars. The sample was taken along the rib of a cross-cut, on a corner that was accidently left due to the sumping in of the cutting machine. There was some difficulty in obtaining the column due to the strain in the coal but it was not as great as in the three previous samples. A complete column was obtained by offsetting the lower part of the column for the top and having the division along a well developed parting.

Town, Sawyerville
Local Authority,
Level: Auth., None!
Method, Topog. map
R. R., C. & N.W.
Location: authority, Mine map

Surface alt., 620 ft.
Depth to coal, 360 ft.
Alt. top coal, 260 ft.
Thickness: Av. 88 in.
Max. 102 in., Min. 78 in.



(Show R. R.)

Operator — Mine Name or No.

1921 Superior Coal Co. #2.

Successor to
Date
Succeeded by
Date
Succeeded by
Date

PRODUCTION.

		U. S. No.
1921	5000 Tons	

Tony Carroll
Gillespie

Geol. Notes? Yes Coop. No. Coal secs? 3
Analyses No.

Examined by Netzeband & Thurston Ref. Loose leaf.

Coal bed name: Local
County Macoupin
Survey No. 6
Index No. 2406.475

K.—ACTIVE SHIPPING OR LOCAL COAL MINE.

(9019-1M-7-18)

Operator, Superior Coal Co Date Nov 25 1941

Mine, No.2 Sec. T. R.

Location in mine, As close to that of June 16 as poss. no more than 150 ft from earlier channel sample Face rm 17 E off 13 S off 8 East south about 200 feet from room neck. Ingredients were obtain in neighboring rooms 16,17, and 18 18th E off 13th S off East South:

Samples: Channel. Standard method. Room undercut and drilled. Gross sample quartered and alternat quarters used for crushing

(2) Vitrain. Diff. to secure as most suitable bands were thin ($\frac{1}{4}$" approx) altho 2 or 3 thicker lenses were found.

(3) Fusain rather hard, probably mineralized

(4) Clarain composes majority of coal

(5) Durain not seen

(6) Super-vitrain. V. repicked and high-graded

(7) Super-clarain. High graded clarain with particular effort to exclude layers more than 1/10 inch thick

All ingredients were obtained from falls shot down the preceding evening.

Hunidity: Dry 61.4 F wet 60.7 F

Care was taken to allow therm. to reach equilib. with mine air by three hours exposure at slingin height before sli ging.

From noted by CCB Chem dept files

GRAPHIC SECTION

In.	No.	No.

DESCRIPTION OF SECTION (AT POINT SAMPLED)

(Note character and thickness of roof)

Inches

(Note character and thickness of floor)

Total thickness of coal.

(1 division=3 in.)

Condition, Time, hr. min.

Wt. Gross, lbs. Net, lbs.

What Nos. shipped by Co.?

Excluded from sample: No.

Sample represents in. tons.

Impurities? How do they occur?

Sample No. C 2452 Can No. Lab. No.

Collector, Boley, Parks Helf. Wagner Coal: Survey No.

Mine Superior #2 Co. Macoupin Index No. 2406 E5

R.—COAL SAMPLE SHEET. (12759—1000—2-29) 7

MOORE'S MODERN METHODS

Operator, Superior Coal Co Date June 16,41
Mine, No.2 Sawyerville SE NW Sec. 6 T. 7 N R. 6 W
Location in mine, Rm 16; 17tn E off S off 8th E South lying in NE¼ sec 18 T.7 N.,R. 6 E

GRAPHIC SECTION			DESCRIPTION OF SECTION (AT POINT SAMPLED)		
In.		No.	No.	(Note character and thickness of roof)	Inches
				(1) Face sample: Face thoroly brush back 3 to 4 inches to a point beside the undercut. Sample caught on canvas, probably totaling 100 lbs. All coal crushed and riffled to two identical qts. one of which was ground to 100% thru 14 mesh. Both qts sealed in friction-top cans. (2) Components: Vitrain v.diff to secure. A total of about 1½ qt was picked out. Good durain not seen, but a rather dull band about 27" from floor was taken as closest approx. thereto. On basis of hand spec. exam in lab. Schopf feels that this coal must be class. as clarain, dull but not durain. Fusain and clarain were obtained from lumps at room face. All but fusain were crushed in the large mill, and half recrushed to minus 14-mesh. Fusain was too soft and packing to put thru large mill, but half was forced through 14 mesh screen with comsiderable difficulty.	

(Note character and thickness of floor)
Total thickness of coal.

(1 division=3 in.)

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

Excluded from sample: No.
Sample represents in. tons.
Impurities? How do they occur?

See over

Sample No. Can No. Lab. No. C-2405

Collector, Boley, Schopf, Wagner Coal: Survey No.
Mine, Superior #2 Co. Macoupin Index No. 2406 E5

R.—COAL SAMPLE SHEET. (12759—1000—2-29) 7

Humidity 62.6 F Wet 64.0 F Dry At the same elevation (waiste high) the dry bulb read 66.5 F some minutes after whirling. At floor, dry bulb read 62.00 F

C-2405 Face sample

Can 10	Whole coal to 4 mesh	
8	" " " " "	to 14 m
3	Vitrain	2 " " " " "
4	"	to " " " " "
2	Clarain	same
9	"	"
11	Durain	"
5	"	"
12	Fusain	"
7	"	"

Notes by CC Boley
original in Chem files

ILLINOIS COAL MINE NOTES

TOWN Gillespie T. 7N R. 6W S. 6 ~~SE¼~~ NW¼ ~~SW¼~~ Macoupin CO.

COAL BED #6 DATE COLLECTOR 2406

OPERATOR Superior coal co SE¼ NW. MINE # 2

HEAD OFFICE Gillespie Gillespie Quad.

CAPACITY 3000 MARKETS, FRT. Chicago & Co.

ENTRANCE Shaft 324

CAGE Allen self dump ENGINES Fairbanked 24×36

DRUM Wooden 7'×

SCREENS Bar 1'1/8"

STORAGE none ×

VENTILATION Miller central disk 6' wide 16' drum ×

GAS, SOURCE

COAL THICKNESS, AV. 7'6" MAX. MIN. ELE. 620 Estimate Rolfe map. FT.

303 Elev. of coal. OK

SECTION LOCATED

No.		In.	No.		In.
1			7		
2			8		
3			9		
4			10		
5			11		
6				TAPE	

NOT SHIPPED NOT INCLUDED CAN SAMPLE

PHYSICAL PROPERTIES BY NOS.

USED IN COOP. REPT. 1912.

ROOF× Shale 2"-12' so 2 3'×

FLOOR Fire 2"-3" so +'

DIP CLEAT

FAULTS. ETC.

MACHINES Engers oil + Sullivan

HAULAGE electric, Jeffrey (3) ~~(2)~~ (2) 12 & 6 tons ×

CARS

DRAINAGE

WORKING SYSTEM Room & pillar

ENTRIES, MAIN CROSS ROOMS

PILLARS, MAIN CROSS ROOM

DRAWN TIMBERS

Note also: Variation in coal, impurities, roof, structure.

Collect records, analyses, fossils. Note land values, etc.

County No 256

2406

Operator,
Mine, M & L
Located, miles from Staunton Litchfield & Madison R.R.
Location in mine, face of main air course

Date May 12, 1905
Sec. T. R.

GRAPHIC SECTION In.	No.	No.	DESCRIPTION OF SECTION (AT POINT SAMPLED) (Note character and thickness of roof)		Inches
			Roof - S.S. + clay		
0	1	1	Coal	13 3/4	1 3 3/4
	2	2	Fire clay, carboniferous		
12	3	3	Sulphur		
	4	4	Coal	33 3/4	20
24	5	5	Sulphur		
	6	6	Coal	68 1/4	3 4 1/2
36	7	7	Brash	69	3/4
	8	8	Sulphur		
48	9	9	Coal		
	10	10	Sulphur		
60	11	11	Coal	72	3
	12	12	Sulphur		
Brash 72	7	13	Shaly binder	73	1
	13	14	Coal	83 1/4	10 1/4
84		15	Shaly binder		
		16	Coal		
			Floor - fire clay		
			(Note character and thickness of floor)		
			Total thickness of coal.		83 1/4

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

Excluded from sample: No. 13
Sample represents 82 1/4 in. tons.
Impurities? How do they occur?

Bulletin 22 p 498

Sample No. Can No. Lab. No. 3M 1626

Collector, J. S. Burrows
Mine, Co. Madison Macoupin Index No. 2406.1-5
R.—COAL SAMPLE SHEET. County #266

Coal: Survey No. ☐

Operator,
Mine, No 2 Sec. T. R.
Located, miles from Staunton - Litchfield Madison Co. Ill.
Location in mine, Room 11 - N1

Date May 12, 1905

GRAPHIC SECTION In.		No.	No.	DESCRIPTION OF SECTION (AT POINT SAMPLED) (Note character and thickness of roof)		Inches
				Roof - S.S.		
0		1	1	Coal	11	11
			2	Fireclay carboniferous	11 1/4	1/4
12		2	3	Sulphur		
			4	Coal	32 1/4	21
24		3	5	Sulphur	32 1/2	1/4
			6	Coal	39	6 1/2
36		5	7	Brash		
		8	8	Sulphur	39 1/8	1/8
48			9	Coal	50 1/8	11
		10	10	Sulphur	50 3/8	1/4
60			11	Coal	67 3/8	17
			12	Sulphur	67 5/8	1/4
72		12	13	Shale binder		
		15	14	Coal	72 5/8	5
84			15	Shale binder	74 1/8	1 1/2
			16	Coal	83 1/8	9
				Floor, fireclay		
				(Note character and thickness of floor)		
				Total thickness of coal.		83 1/8

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

Excluded from sample: No. 15
Sample represents 8 1/8 in. tons.
Impurities? How do they occur?

Bulletin 22, 498

Sample No. Can No. Lab. No. 3M.1625

Collector, J. S. Burrows Coal: Survey No.
Mine, Co. Macoupin Index No.

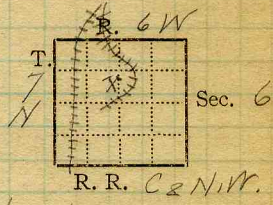
R.—COAL SAMPLE SHEET. County No. 256

Mine Name or No., No. 2

mile from

Operator, 191 Superior Coal Co.

Operator, 191



Entrance, Shaft Elev., 620 ft. { above, 5eq level / ~~below~~,

Depth to ~~bottom~~ coal, 360 ft. Alt. 260

SURFACE DATA.

A. Topography, Rolling See

B. Surficial materials. (1) Character, Till

(2) Thickness, No information (3) Effect on mining and shaft-sinking, of former drainage lines, underground water strata, etc. No information.

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, Netzeband.

Mine, Superior #2 Co. Macoupin Index No. 2406 ~~4~~ 5

L.—SURFACE SHEET (Geol.) County No. 256 E5

F. Thickness of rock above bed worked, No information
(1) Important variations,

See

G. Note presence of strata having important effect on mining,
Limestone makes excellent roof. See
(1) Position, Above shale.
(2) Character, Strong
(3) Persistence, All over mine.
(4) Other workable coal beds,

See

H. Cap rock, Limestone
(1) Thickness, No information
(2) Height above coal, 1"–36"

See

I. Immediate roof, Shale.
(1) Thickness, 1"–36" (2) Contact with coal, Cleane regular.
(3) Horizontal variation, None

See

J. Draw slate. (1) Thickness, 2'-6" (2) Contacts
Depends upon how shots are placed.
(3) Persistence,

K. Coal bed: Max. 102 Min. 78 Av. 88 inches
(1) Benches, Two
(a) Position, Above & below B.B.

(b) Persistence, Throuout mine.

See

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

See

(3) Irregularities in continuity of bed (due to deposition, erosion, or movement, None observed.

See

(a) Effect on mining,

See

SECTION				
Ft.	In.	Name	[illegible]	Sym.
?		Limestone		
3		Shale		
7	4	Coal		
?		Flooreby		
	1	Div =	4'	

Collector, Netzeband
Mine, Superior #2 Co. Macoupin County No. 256
Coal: Survey No. 6
Index No. 2406 ~~47~~ E5
M.—UNDERGROUND SHEET (Geol.)

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

(a) Relative hardness, Same as rest of Staunton area (Immediate vicinity)

(b) Lustre, Layers 1/16 to 1/2" top bright with glance, rest bright to dull.

(c) Fracture, Blocky

(d) Texture, Laminated. See

(6) Impurities in coal, other than bedded,

(a) Kind, Pyrite, calcite fracture fillings abundant.

(b) Position and persistence, Thruout coal vertically & laterally.

(c) Rejected, Large pyrite lenses Ease of separation,

See

L. Floor: (1) Material, Floor clay

(2) Thickness, No information

(3) Variation,

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

See

(5) Clay sample No. Location,

M. Stratigraphy,

(1) Fossiliferous horizons underground, Cap rock & clod

Collection No. Location,

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

See

Collector, Netzeband Coal: Survey No. 6

Mine, Superior #2 Co. Macoupin Index No. 2406. 47

N.—UNDERGROUND SHEET (Geol.) County No. 256 E5

INDEX (36713—500—7-20)

I Immediately above the coal and resting on it with a fairly regular contact is a black shale, massive from 2" to 3' in thickness. Above this black shale is a medium gray shale, soft and crumbly, from ½" to 3" in thickness. This is called clod by the miners.

H Above this "clod" is a fossiliferous limestone. This forms the roof. As it was not broken we did not get to observe its thickness. It is compact and subcrystaline.

This makes an excellent roof requiring almost no timbering. The shale below it is taken down but as a general rule it is only 2" to 6" thick so involves little expense.

In the few places where the black shale is over 10' in thickness it is left for a roof. This, however, needs timbering and even then is not as satisfactory as the ls.

Collector Netzebana

X- 1 County No. 256 EXTRA NO.

Index No. 2406-47 E5

County Macoupin

MOORE'S MODERN METHODS

Operator, Superior Coal Co Date Sept. 3, 1921
Mine, No. 2. Sec. 6 T. 7N R. 6W
Location in mine, Room 21 off Main E.

GRAPHIC SECTION In.	No.	DESCRIPTION OF SECTION (AT POINT SAMPLED) No. (Note character and thickness of roof)	Inches
		Limestone	
		Shale 6"	
		1 Coal	2 1 3/4
		2 pyrite lens	3/8
		3 Coal	17 1/2
		4 pyrite lens	3/8
		5 Coal	27 1/2
		6 pyrite lens	1/2
		7 Coal	4 3/4
		8 gray shale band, pyrite lenses BB	1
		9 Coal	17
		Tape 90	
		(Note character and thickness of floor)	
		Total thickness of coal.	90 3/4

(1 division=3 in.)

Condition, Dry, fresh. Time, 6 hr. — min. 8:50
Wt. Gross, 39 lbs. Net, lbs.
What Nos. shipped by Co.?

Excluded from sample: No. 2, 4, 6,
Sample represents in. tons.
Impurities? How do they occur?

Sample No. N-143 Can No. 908. Lab. No.
Collector, Nat-ze band Coal: Survey No. 6
Mine, Superior #2 Co. Macoupin Index No. 2406.47
R.—COAL SAMPLE SHEET. County #256 ES

Operator, Superior Coal Co. Date Sept. 8, 1921
Mine, No. 2 Sec. 6 T. 7N R. 6W
Location in mine, Room N, 2nd S, 9th W. S.

GRAPHIC SECTION In.	No.	DESCRIPTION OF SECTION (AT POINT SAMPLED) No. (Note character and thickness of roof)	Inches
		Limestone	
		Gray Shale. 3"	
		1 Coal	1 6 3/4
		2 Charcoal lens	1/2
		3 Coal	8 1/2
		4 pyrite band	1/4
		5 Coal	7 1/2
		6 Gray shale band	1/2
		7 Coal	4
		8 pyrite lens	1/4
		9 Coal	24 1/2
		10 pyrite lens	1 1/4
		11 Coal	5 1/4
		12 gray shale bb	3/4
		13 Coal	14
		Taop 83 3/4	
		(Note character and thickness of floor)	
		Total thickness of coal.	84

(1 division=3 in.)

Condition, Damp fresh Time, 1 hr. 55 min. 1:25
Wt. Gross, 26 lbs. Net, lbs.
What Nos. shipped by Co.?

Excluded from sample: No. 6, 10, 12
Sample represents in. tons.
Impurities? How do they occur?

Sample No. N-21-144 Can No. 826 Lab. No.
Collector, Netzeband Coal: Survey No. 6
Mine, Superior #2 Co. Macoupin Index No. 24 06.47
R.—COAL SAMPLE SHEET. County No. 256 E5

MOORE'S MODERN METHODS

Operator, Superior Coal Co Date Sept. 3, 1921
Mine, No. 2 Sec. 6 T. 7N R. 6W
Location in mine, Room 3, Main W.

GRAPHIC SECTION			DESCRIPTION OF SECTION (AT POINT SAMPLED)	
In.		No.	No. (Note character and thickness of roof)	Inches
			Limestone	
			Gray shale 4"	
			1 Coal	24 1/4
			2 pyrite lens	1/2
			3 Coal	13
			4 Shale band	1/4
			5 Coal	10 3/4
			6 pyrite lens	1/4
			7 Coal	5 3/4
			8 Charcoal lens	1
			9 Coal	13
			10 pyrite lens	1 1/2
			11 Coal	4 1/2
			12 grayshale BB	1 3/4
			13 Coal	12
			14 Coal (left for floor appx 4"	
			Tape 88 3/4	
			(Note character and thickness of floor)	
			Total thickness of coal.	88 1/2

Same DANN! 1/4" later filled the sample with orange peels, nuts, oil, shale & other extraneous materials

(1 division=3 in.)

Condition, Damp, fresh. Time, hr. min. 11:12
Wt. Gross, 38 lbs. Net, lbs.
What Nos. shipped by Co.?

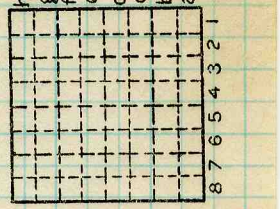
Excluded from sample: No. 2
Sample represents in. tons.
Impurities? How do they occur?

Sample No. Can No. Lab. No.
Collector, Netzeband
Mine, Superior #2 Co. Macoupin County No. 256 Coal: Survey No. 6
Index No. 2406.47 E5
R.—COAL SAMPLE SHEET.

Superior #2
Location of Photographs

Photo	Location	Description
3-4	1st room; 2nd E, 13th S, 13th WS., at face	Great thickness of soapstone
3-5	E. rib between 1st & 2nd X-cuts, beyond 2nd W, 14th S, 13th WS	Large ls boss, slip alongside.
3-6	W. rib, "	Large clay seam between coal & soapstone, alongside ~~B roll~~ ls. roll.
3-7	Near face of 13th WS entry	Lower shell of caprock ls.
3-8	W. rib, 15th S, 11th WS.	57" thickness of soapstone

Sec. N. S. E. W.
T. R.
Index No. 2406E5



By J. Forth & Vaughan Date 8/5/40.
Quad. Gillespie Part.
County Marquette COUNTY NO. 256
Superior #2

MOORE'S MODERN METHODS

Symbol | Description | Inches

[1 division=3 in.]

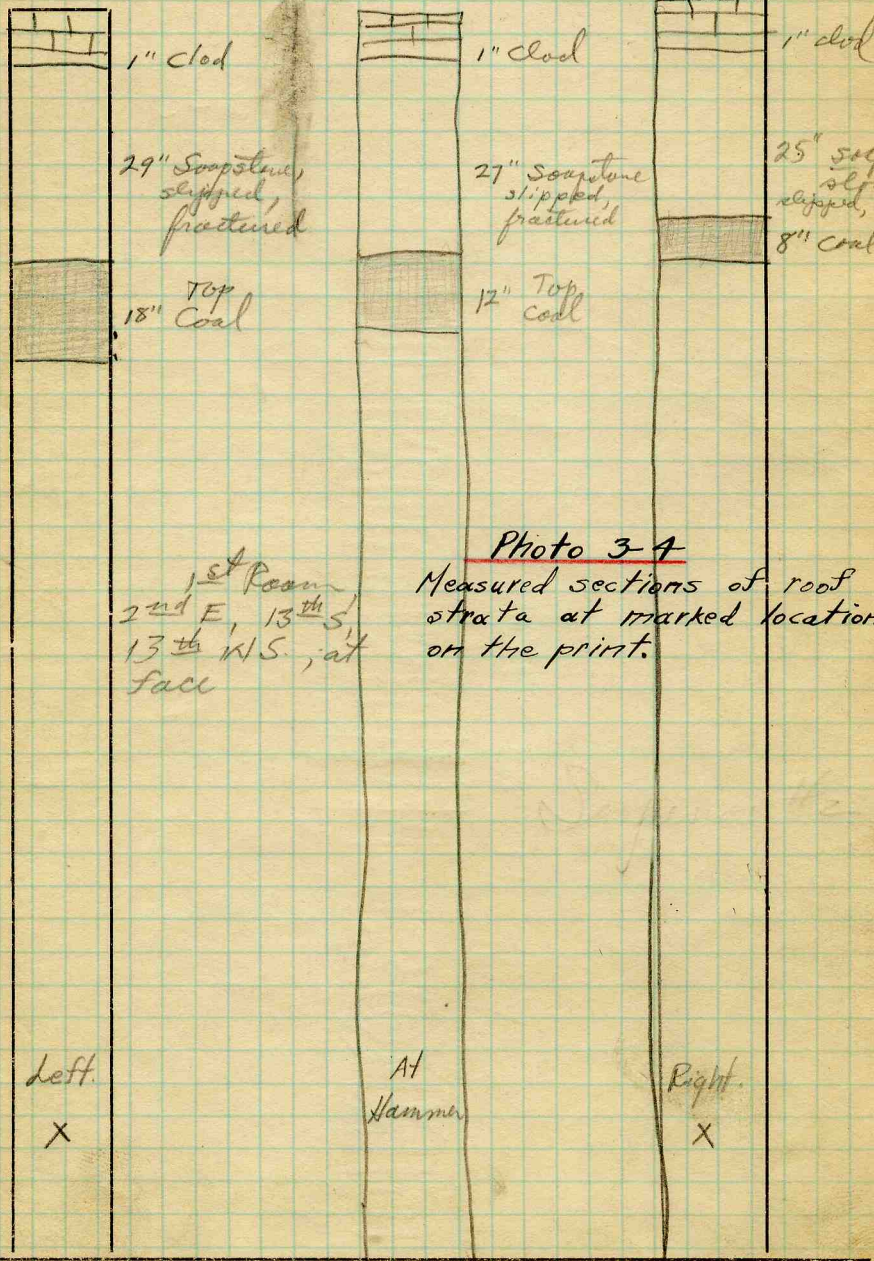


Photo 3-4

Measured sections of roof strata at marked locations on the print.

Collector. Spotts & Payne

Mine. Superior #2 Co. Harrapin

Q.—COAL SECTION SHEET. 3-4

Coal: Survey No. 6

Index No.

9/5/40

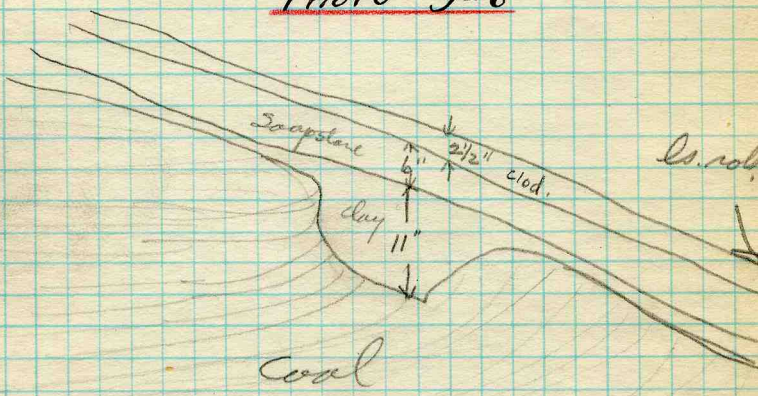
COUNTY NO. 256

2406E5

Superior #2

3-6

Photo 3-6



3-7

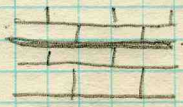


Photo 3-7

9/5/40

Spotts & Payne
Superior #2

Gillespie Quad

COUNTY NO. 256

2406 E5

Symbol | Description Sup. #2 | Inches

(1 division=3 in.)

1½" clod

12" dk. gray sh – soapstone

57" Med. gray sh – soapstone

Photo 3-8

3'-6" Coal

9/5/40

Collector, Spotts & Payne | Coal: Survey No. 6

Mine. Superior #2 Co. Macoupin | Index No.

Q.—COAL SECTION SHEET. COUNTY NO. 256 2406 E5

In 15th S off 11th WS — great thickness of gray shale (soapstone); 4' measured as maximum. Identical to gray shale observed in 6th E, 5th SE of Superior #4.

At face of 13th WS. — fault, with "reverse" drag. Same as those observed at Superior #4.

Miners in this vicinity refer to "caprock" as that thin, lower shell of the Herrin caprock is which slabs off. In this region it is from 2"-6" thick.

14th S off 13 WS — large ls boss ~~protruding~~ protruding into the coal and reducing it to a thickness of 1½'. Large clay vein along the boss. Just to

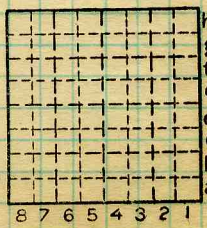
COUNTY NO. 256

Superior Coal Co. #2

Date 8/21/40 T. 7N R. 6W

Quad. 206 ~~Part~~ Zpotti, e. E. Payne, I. N.

County Macoupin Index No. 2406 E 5



the S of the loss a lenticular, light-colored, soapy-textured lense comes in, between the bk. sl. and the coal. Mr. Lawrence Kiss, Mine Mg'r, reports that the bottom beneath the ls. roll comes up toward the roll and assists in pinching the coal

1st W. off 7th S off 15th W.S. — large ls boss projecting into the coal. Floor, ~~with thin covering of underclay~~ of thin fireclay, with hard ls beneath it, comes up beneath the roll, and assists in pinching the coal to a thinner seam.

Lenticular stratum of gray shale was observed in Main S. while returning to "bottom."

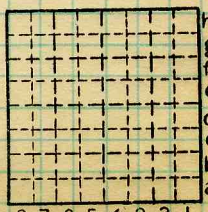
Superior #2

COUNTY NO. 256

Date 8/21/40 T. 7N R. 6W

Quad. 200 ~~Part~~ Spotti, A.E. Payne, J.W.

County Macoupin Index No. 2406 E5



INDEX

4" Clod
3'-8" bl. sl.
0-7" White-top (?)
0-12" sh, gray

7'-0" Coal

Section in 14th S off 13th WS showing lenticular structure of "white-top" coming between the bl. sl and coal and also between the bl. sl. and the gray shale.

COUNTY NO. 256

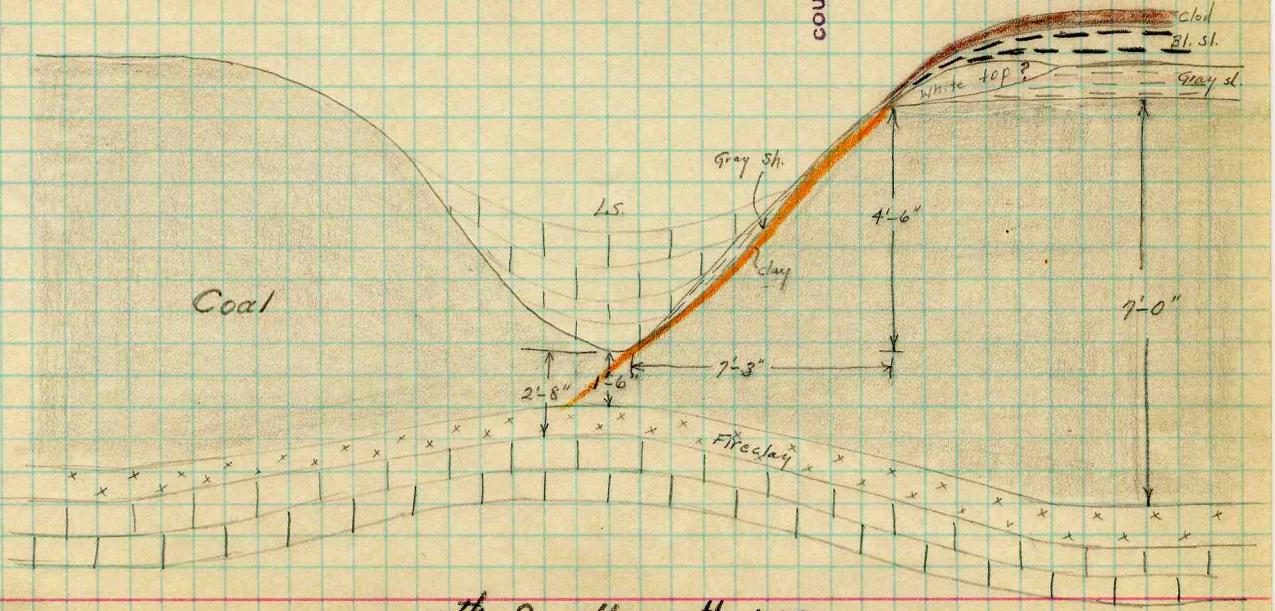
Collector Spotts & Payne Coal | 6 | State No.
Mine Superior #2 Co. Macoupin Co-op No.
X.—EXTRA SHEET No.

8/21/40 2406 E5

Superior #2
Eagerville, Ill.

COUNTY NO. 256

2706 E5



14th S of 13th WS

8/21/40

Symbol (1 division=3 in.)	Description	Inches

Rm 10 - 16E-13S-8E-5

Feb. 4, 1941

COUNTY NO. 256

? LS

2" Clod vy nodular 0'-2"

25½" Top coal, silky, pyrite & cal facings 2'-1½"

3/8" Pyrite
4" Coal
1/16" Pyrite
5½" Coal
1/8" Pyrite
2½" Coal
1/4" Pyrite
5" Coal
½" Fusain
2½" Coal
3/8" Pyrite (Steel Band)

Columnar Sections of Coal

1'-5" Coal

3/8" Dirty pyrite band 0'-3/8"
5" Coal 0'-5"
Blue band (Particular) 0'-1½"
Coal 1'-2"

By: Spotti, A.E.
Payne, J. N.

Fire clay 0'-3"

Collector,
Mine. Superior Coal Co. Co. Macoupin
Q.—COAL SECTION SHEET.

Coal: Survey No. 6
Index No. 2406 E5
County No. 256

Symbol (1 division=3 in.)	Description	Inches

Fau 16E - 13S - 8E - S
Feb. 4, 1941

88"

Bk 91 COUNTY NO. 256

10" Top coal, slaty, pyrite & cal facings

14" Coal

Columnar Sections of Coal

3/16" Pyrite
4 1/2" Coal
3/16" Pyrite

9 1/4" Coal

1/16"
3 1/4" coal with pyrite stks
3/16" Pyrite
1 1/4" Coal
1/4" Pyrite
6" Coal
1/8" Pyrite
2 1/2" Coal
3/8" Pyrite (steel band
5 1/2" Coal thin pyrite stks
1/8" Pyrite
1 1/2" Coal
tr Pyrite
8 1/2" Coal
tr Pyrite
1 1/2" Coal
tr Pyrite
4" Coal
1 1/4" Blue band
6" Coal
1/4" Pyrite
8" Coal
4" Fire clay

By:
Spotts, A.E.
Payne, J.N.

Collector,
Mine. Superior Coal Co. #2 Co. Macoupin
Q.—COAL SECTION SHEET.

Coal: Survey No. 6
Index No. 2406 E5
County No. 256

Symbol (1 division=3 in.)	Description	Inches
	11S-11E-S	
		86"
	Bl. sl.	
	5 3/4" Top, silky coal	
	tr Pyrite	
	8 1/2" Coal	
	3/4" Fusain	
	11" Coal	
	1/2" Pyrite	
	7" Coal	
	1" Pyrite	
	5" Coal	
	1/4" Pyrite	
	6 3/4" Coal	
	1/4" Pyrite (steel band)	
	18" Coal	
	1/2" Pyrite	
	5 1/2" Coal	
	1" Bl bd	
	3" Coal	
	1/8" Pyrite	
	3 3/4" Coal	
	1/16 Pyrite	
	8" Coal	
	12" Fire clay	

COUNTY NO. 256

Collector, LS

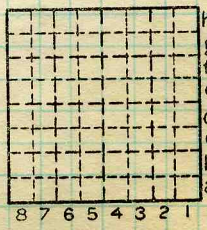
Mine Superior Coal Co. #2 Co. Macoupin

Coal: Survey No. 6

Index No. 2406E5

Q.—COAL SECTION SHEET.

Mouth of 155 off UW off the Main S, two large slips intersect dipping a wedge of shale down into the coal. About 50' E of the mouth of the 155 gry soapstone leases in. At the mouth of the 153 the following section from the bottom of the caprock to the underclay was measured:



Date 8/21/40 T. R.

Superior #2

Quad. Part

County Macoupin Index No. 2406E5

J. N. Payne

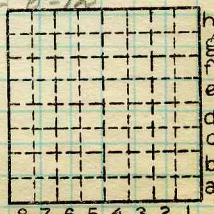
In the main south entry there is a large percentage of good rock top with 3'-6" of clod between the 1s and the top of the coal. Lenses of bk slate wedge into the section frequently attaining maximum thicknesses of from 14" to 42". The dead of the black slate is in general, in a NE-SW direction

150' north of the face of 135 off 11W off main S an extremely large, concretion 8' in diameter and 24" thick was noted. At the face of the 13S the coal & shale was slipped down to the north.

At the face of the 14S, 11W-S the 1s & coal dip down to the south, the coal being very highly distorted.

In 14S, 13 W-S, 150' past the 2nd W there is a large 1s roll faulted on the south side. Here the 1s in the underclay appears to roll up but it is possible that it is faulted and hence gives this false impression. (See drawing on following pages). The section measured on the south side was as follows

Caprock 1s	?
"clod"	0'-4"
Black "slate"	0'-3"-0'-8"
Sh, vy lt gry, nearly wh, soapy	0'-0"-0'-7"
Sh, gry, smod, slipped	0'-0"-0'-12"
Coal	7'-6"



Date 8/21/40 T. R.

Quad. Superior No. 2 Part

County Index No.

J. N. Payne 2406 E5

MOORE'S MODERN METHODS

HEET T. R. S.

OMPANY HOLE NO.

ARM HOLE NO.

STRATA	Thickness Feet	Thickness In.	Depth Feet	Depth In.
Fault on E rib 14S, 13W, Main St., Superior No. 2				
FW. lime stone				
Clay				
Clay				
Sh. w/t gry				
Sh. gry				

J.N. Payne 8/21/40

ounty Meas Section Index No.

T.—DRILL RECORD

0820—10M—7-34) 2 Superior No. 2 2406E5

Symbol | Description | Inches

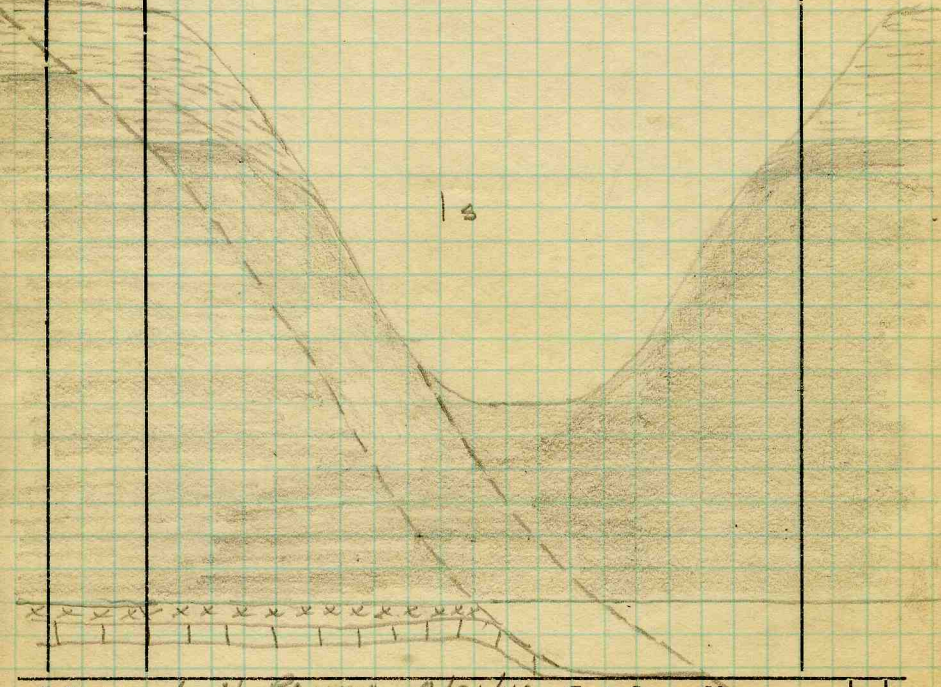
[1 division=3 in.]

In cross-cut on RW, 13S, 13W, Main S gray shale is very thick and greatly fractured.

on N rib

In 1W, 7S, 15W, Main S is large 15 boss faulted on W side as shown below. The section as measured to west of fault was:

Caprock limestone	?
"Clod"	0'-1½"
Sh. gray, greatly slipped	2'-0"
Coal, shaley	0'-8"
Coal, good	7'-4"
Underclay	0'-3"
Ls, f.w.	?



Collector. J. N. Payne 8/21/40 Coal: Survey No.

Mine. Superior No. 2 Co. Index No. 2406 ES

Q.—COAL SECTION SHEET.

MOORE'S MODERN METHODS

[NW-NE-NE, per letter of 7/5/41]
Sec 18, T7N, R6W

Operator, Superior Coal Co. Date 6-16-41
Mine, #2 (1½ mi S. of Ball) ~~NE of Sec. 18~~ 6 T. 7N R. 6 ~~E~~ W
Location in mine, 16th Room, 17th East off 13th South off 8th E.S.

[Page 1]

GRAPHIC SECTION

(1 division=3 in.)

DESCRIPTION OF SECTION (AT POINT SAMPLED)

No.	(Note character and thickness of roof)	Inches
	Roof - Black shale - 2½' ± thk.	
1.	Bright coal	3½
2.	Silky clarain	4 ½
3.	Bright, blocky coal	3
4.	Fusain	¼
5.	Clean coal	3 ¼
6.	Pyrite	⅛
7.	Coal, with calcite facings	5 ⅛
8.	Fusain	¼
9.	Coal, with calcite facings	2
10.	Coal, sl. dirty	1
11.	Clean coal	3
12.	Pyrite	⅛
13.	Clean coal	2 ⅛
14.	Dirty streak	⅛
15.	Clean coal	3 ⅛
16.	Shale parting	½
17.	Clean coal	3 ½

See next page for more

(Note character and thickness of floor)

Total thickness of coal.

Condition, Fresh Time, hr. 45 min.
Wt. Gross, lbs. Net, 100 lbs.
What Nos. shipped by Co.? All but 16, 31, 33

Excluded from sample: No. 16, 31, 33
Sample represents 88½ in. tons.
Impurities? How do they occur? Narrow streaks of pyrite and dirty coal. Pyrite facings.

Sample No. Can No. Lab. No.
Collector, Boley, Schopf, Wagner Coal: Survey No. 6
Mine, Superior #2 Co. Macoupin Index No. 2406.E5

R.—COAL SAMPLE SHEET. #1 of 2

County No. 256

Operator, Superior Coal Co. Date 6-16-41
Mine, #2 ~~NWNENE of~~ Sec. ~~18~~ 6 T. 7 N R. 6 E W
Location in mine, 16th Room, 17th East off 13th South off 8th E.S.
[Page 2] NW-NE-NE-18-7N-R6W

GRAPHIC SECTION			DESCRIPTION OF SECTION (AT POINT SAMPLED)		
In.		No.	No.	(Note character and thickness of roof)	Inches
			18.	Pyrite	1/8
			19.	Clean coal	5/8
			20.	Pyrite	1/8
			21.	Clean coal	7 5/8
			22.	Fusain	1/4
			23.	Coal	9 1/4
			24.	Vitrain	1/2
			25.	Clean coal	3
			26.	Dull coal (durain ?)	1 1/4
			27.	Clean coal	1 1/2
			28.	Medium dirty coal	4
			29.	Dirty streak	1/8
			30.	Coal	4 5/8
			31.	Pyrite	5/8
			32.	Clean coal	5 1/8
			33.	Shale - blue band	5/8
			34.	Clean coal	13 5/8
				Fire clay floor - 8" to 10" thk.	
				(Note character and thickness of floor)	
				Total thickness of coal.	

(1 division=3 in.)

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

Excluded from sample: No.
Sample represents in. tons.
Impurities? How do they occur?

Sample No. Can No. Lab. No.

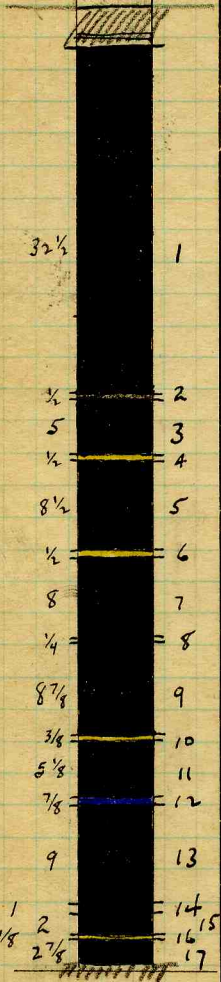
Collector, Boley, Schopf, Wagner Coal: Survey No. 6
Mine, Superior No. 2 Co. Macoupin Index No. 2406.E5

R.—COAL SAMPLE SHEET. #2 of 2 (12759—1000—2-29)
County No. 256 [See Sheet #1 for data]

MOORE'S MODERN METHODS

Operator, Superior Coal Co. Date Nov. 25, 1941
Mine, No. 2 (Sawyerville) Sec. 6 T. 7N R. 6W
Location in mine, Room 17 (250' from neck), N 17th E N 13th S N 8th E, South

GRAPHIC SECTION



(1 division=3 in.)

DESCRIPTION OF SECTION (AT POINT SAMPLED)

No.	(Note character and thickness of roof)	Inches
	Black slate top	
1.	Coal	32 1/2
2.	Bony coal	1/2
3.	Coal	5
4.	Pyrite stratum	1/2
5.	Coal	8 1/2
6.	Pyrite stratum	1/2
7.	Coal	8
8.	Fusain	1/4
9.	Coal	8 7/8
10.	Pyrite stratum	3/8
11.	Coal	5 1/8
12.	Blue band - carbonaceous shale	7/8
13.	Coal	9
14.	Fusain	1
15.	Coal	2
16.	Pyrite	1/8
17.	Coal	2 7/8
	Clay floor	

(Note character and thickness of floor)
Total thickness of coal.

Condition, Fresh Time, hr. min.
Wt. Gross, lbs. Net, 70 lbs. ±
What Nos. shipped by Co.? All but those noted below.
Excluded from sample: No. 2, 4, 6, 10, 12
Sample represents 86 in. tons.
Impurities? How do they occur?

Sample No. Can No. Lab. No.
Collector, CCB - BCP - RJH - Bill Wagner Coal: Survey No. 6
Mine, Superior No. 2 Co. Macoupin Index No. 2406 · E5

R.—COAL SAMPLE SHEET. County No. 256

(12759—1000—2-29) 7

Sup. #2

In 15th S off 11th WS. — great thickness of gray sh (soapstone) reaching a thickness of 4'. Possibly the gray shale observed in 6th E, 5th SE of Superior #4 very much. Is somewhat dirtier than soapstone as usually described.

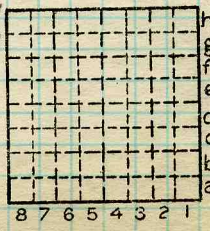
At face of 13th WS — fault, or slip, with upthrown side having "up" drag, while downthrown side has "down" drag. Same condition as observed at #4, with the unusual drag directions.

Miners refer to "caprock" as that thin shell of ls that slabs off and is taken down when it loosens, Is 2"-6" thick. Is probably

By ..... Date 8/21/40

Quad. ..... Part .....

County .....



Sec.
T. N. S.
R. E. W.
Index No.

Superior #2

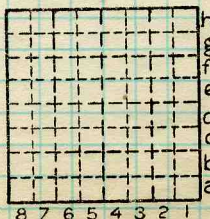
a lower bench of the true caprock or ls overlying #6 Coal.

14th S off 13 WS — large ls boulder projecting down, cutting coal to 1½' beneath it. Large clay vein along side of boulder. Just to S of boulder, a lenticular, white, soapy textured strata lenses in between the ls. sh. and the coal and the ls. sh. and the shale. Mr. Lawrence Kiss, Mine Mgr., reports that the bottom beneath the ls. roll comes up toward the roll and assists in pinching the coal.

By _____ Date 8/21/40

Quad. _____ Part _____

County _____



Sec.
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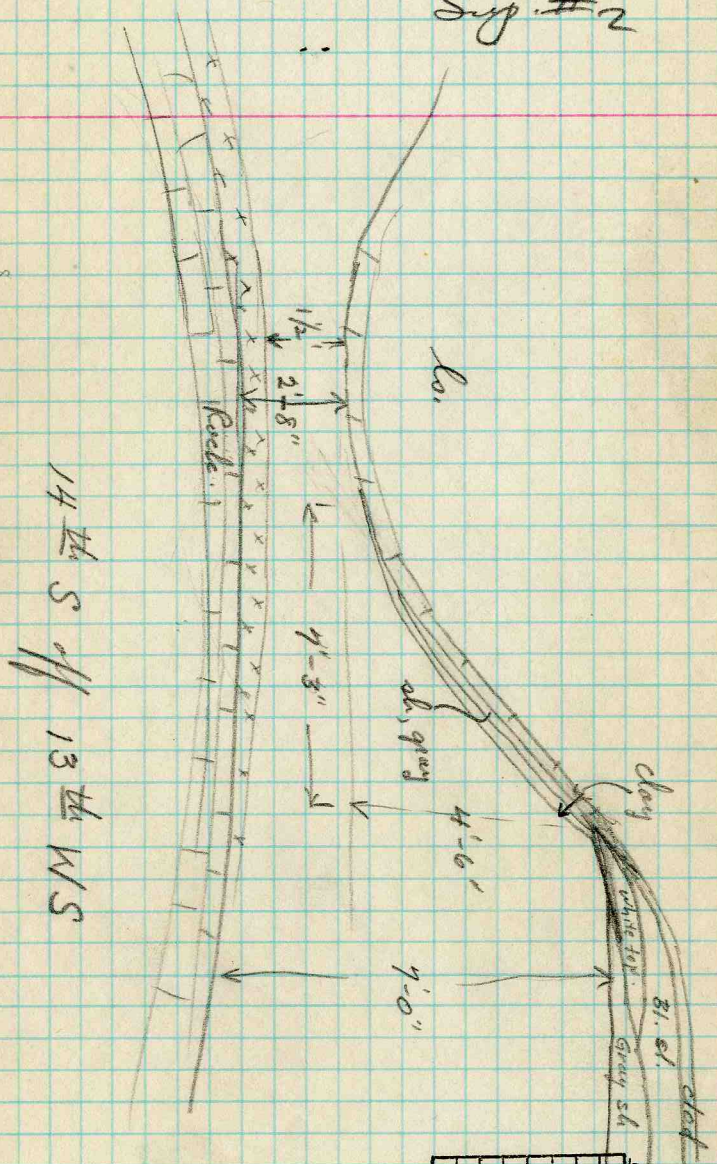
1st W off 7th S off 15th WS

Large ls boulder projecting down into coal. Floor, with thin covering of fireclay and hard ls beneath it, coming up beneath the roll, assisting in pinching ~~—~~ the coal to a thinner seam.

Lenticular stratum of gray shale was observed in Main S on walk back to bottom.

MOORE'S MODERN METHODS

Sup. #2



14 Th S 11 13 Th W S

By _____ Date 8/21/40

Quad. _____ Part _____

County _____

Twp. e d c b a

8 7 6 5 4 3 2 1

Sec.

T. N. S.

R. E. W.

Index No.

Superior #2

"Immediately above the coal and resting on it with a fairly regular contact is a bl. sh. — micaceous, from 2" to 3' in thickness.

Above this bl. sh. is a med. gray sh., soft and crumbly, from ½" to 3" in thickness. This is called "clod" by the miners.

Above this "clod" is a fossiliferous ls. This forms the roof. As it was not broken we did not get to observe its thickness. It is compact and subcrystalline.

This ls. makes an excellent roof, requiring almost no timbering. The sh. below it is taken down, but as a general rule it is only 2" to 6" thick, so involves little expense.

In the few places where the bl. sh. is over 10" in thickness it is left for roof. This, however, needs timbering and even then is not as satisfactory as the ls."

Netzeband.

Sequence #2

1) 1st Room, 2nd E 13th S, 13th WS ~~2nd E~~ at face

3-4

Great thickness of sandstone overlying the coal, cutting thickness of coal to W.

2) 15th S off 11th WS on W. rib

3-8

Great thickness of sandstone (4')

X 3) Face of 13th WS

Slip with reverse drag.

~~4) Get photo of lower shell, or "caprock" in this mine.~~

On E rib Between 1st & 2nd X-cuts, beyond 2nd W

5) on 14th S, off 13th WS

3-5

Large ls boulder with slip alongside & lenticular "white-top" development.

3-6 6) On W rib between 1st & 2nd X-cuts, beyond 2nd W on 14th S off 13th WS.

Large clay seam on top of coal and beneath the sandstone.

4) Near face of 13th WS entry

3-7

Lower shell of ls, or "caprock"

9/5/40

SUPERIOR # 2 COAL MINE. Jan. 10, 1978

Bob Bauer and John Popp visited the site of the air shaft for the Superior # 2 mine after it was reported to us that the shaft had sunk the week before.

The shaft is located approximately 500 feet west and 650 feet north of the center of section 6 of T 7 N, R 6 W. The shaft had sunk about 25 feet. People living in the area said the shaft fill had sunk the week before. It was observed to have first sunk only 5 feet.

The shaft opening measured 9 x 14 feet with a 9 x 10 foot air shaft opening and a 9 x 4 foot area that contained a set of wooden stairs. This fill in the wooden stair area was 10 feet below the top of the shaft. It is not believed that this section sank 10 feet because parts of the wooden stair sections were observed above the level of the fill.

The shaft was lined with 4" x 12" boards that were in excellent condition. We were told that the boards were coated with creosote when they were installed.

While observing the shaft an old miner who use to work at this mine had come by to look at the shaft. He worked in the mine from about in the 1940's to 1952.

He told us that all the shafts at this mine were wood lined. (#2 mine) We inquired about mining conditions and he told us that there were no water problems and that no draw slate was taken down while mining. The entries were about 7 feet high. Also that a lot of soapstone was in the western part of the mine.

gical Survey

Collapsing mine closes street in Sawyerville

By RICK DAVIS 8/26/97
CORRESPONDENT Typed.

SAWYERVILLE — The gradual collapse of an abandoned coal mine Monday shut down rail service and traffic on a local road in this Macoupin County community of about 300.

According to Ald. Emil Fritz, an area approximately 585 by 1,000 feet began sinking early Monday morning and continued throughout the day.

The affected area dropped about 1½ to 2 feet, forcing the closure of Trolley Street in Sawyerville and the Union Pacific railroad tracks running adjacent to the street.

Fritz said that as soon as the subsidence was discovered, he contacted Union Pacific officials and both a northbound and a southbound train were stopped before they reached the damaged tracks.

Fritz and Ald. Phyllis Spurney then contacted several state officials, and at about 10:30 a.m., a rapid response team from the state Department of Natural Resources Division of Mines and Minerals was sent to evaluate the situation.

The team reported the event was a "sag subsidence," as opposed to a collapse, said department spokesman Tim Schweitzer.

"In this case, most of the subsiding happens in the first 12 to 18 hours and not all at once," said Schweitzer.

As late as Monday afternoon, the area was still sinking.

State and local officials planned to continue monitoring the subsidence into today.

While no homes or businesses were damaged, Fritz said he is concerned about the community's main water line, which runs along nearby Illinois 4 from Benld to Sawyerville.

"The subsidence is only about 350 feet from the main water line along Route 4, and if it should continue to that point, then we would have a big problem," said Fritz.

Based on current projections, though, the subsidence was not expected to reach the water line, he said.

Union Pacific on Monday was bringing in equipment and ballast to help shore up the damaged rail line as a means of reopening the tracks. But Union Pacific officials offered no estimate of when the tracks would reopen.

With more than 4,000 known abandoned mines in Illinois, mine subsidence has been problem throughout the state and likely will be for years to come, experts say, though research is being done on ways to prevent it.

Still, very little is known about what triggers a mine collapse or which mines are more likely to subside than others.

In most cases, either the soft clay on the mine floor or the coal pillars supporting the roof give way and lead to the collapse.

Reel 3135 Frame 348.
Superior Coal Mine No 2.
IN 6 CV. Sec 6.

f e d c b a
8 7 6 5 4 3 2 1

County_____ Sec._____ T_____ R_____