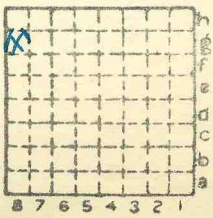
FORM 180

Madison CC #8

456



Sec. 35

T. 8 ~~N.~~ S.

R. 1 E. ~~W.~~

Index No.

MI 167

Mine originally operated by: (1) St.Louis & Big Muddy C.C.

Date
1906

Original name or number: Daws
Illinois Coal Report p.

LATER OPERATORS

	Date	Operator	Name or No.
2	1906	Madison Coal Corporation	#8
3			

5769

Two Williamson mines get Reclamation funds

Southern Illinoisan 6-3 P.5

By SI Springfield Bureau

SPRINGFIELD — Contracts for more than $770,000 have been awarded for work at two Williamson County mines, the Abandoned Mined Lands Reclamation Council announced Friday.

Fourteen acres of eroded slopes will be graded to stop acid runoff at the Palzo Surface Mine southeast of Marion. The work is to begin immediately under a $728,000 contract with R.E. VanCloostere, Inc. of Murphysboro.

At the Madison County Coal Brush Mine near Carterville, eroded mine refuse will be buried and the affected area will be fertilized and seeded under a $45,000 contract with Donald Weis Clearing and Excavating, Inc. of DuQuoin.

Southern Illinoisan 6-3-85

Brush Mine 35/8S-1E
Palzo ?

12

13

14

• Also owners #See ownership sheet

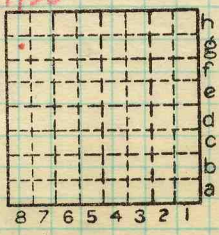
Railroad, Wagon, Idle, Abandoned Before 1930

SHIPPING MINE IDENTIFICATION

County No. 456 Coal No. 6

Quad. Herrin Part ☐

County Williamson



Sec. 35

T. 8 N. S.

R. 1 E. W.

Index No. 0435 g8

COAL MINE OPERATOR

(3106-21531) 3

MOORE'S MODERN METHODS

LOCATION AND ELEVATION

Location: side R. R.
side R. R.
side Highway No.
on top. map Location sheet

Elevation: Method, 1. Est. ( ) ft.
2. Inst. (kind Company Level) 420.7 ft.
By Company Data sheet

DEPTH

Authority	To coal	ft.
Authority	Rail to rail	ft.
Top of coal above rail. (Est. Rule)		ft.
	To coal	90 ft.

ALTITUDE OF TOP OF COAL

By estimated data
By instrumental data 331 ft.

Thickness

Max. in. Min. in. Aver. 96 in.

GEOLOGICAL DATA

Mine notes, date

Coop No. Pyr. inv. Coal Ash inv.

CHEMICAL DATA

Analyses Face	U. I.	B. M. 1634, 12875	Others
Car	U. I.	B. M. 6-7, 13537,	Others
Org. Sulf	U. I.	B. M. 1654, 1660,	Others
Ash fusion	U. I.	B. M. 1718, 1653,	Others
Ash anal.	U. I.	B. M. 1802, 5238,	Others
	U. I.	B. M. 5215,	Others

Classification

Misc. tests: Coking. Cleaning Boiler

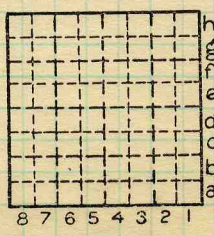
Published descriptions:— MI 167 B62

Railroad, Wagon, Idle, Abandoned

IDENTIFICATION

County No. 456 Coal No. 6
Part

Quad. Herrin
County Williamson



Sec. 35
T. 8 N. S.
R. 1 E. W.
Index No. 0435 g8

COAL MINE LOCATION AND DATA

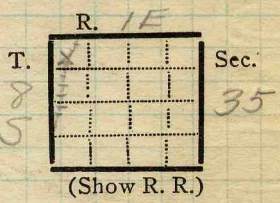
(34215—1M—3-30) 7

Town, Dewmaine
Local Authority,
Jake Ellington, Mine Mgr.
Level: Auth.,
Mine Map
Method,

Surface alt., 420.74 ft.
Depth to coal, 90 ft.
Alt. top coal, 330.74 ft.
Thickness: Av. 96 in.
Max. 126 in., Min. 84 in.

R. R., I.C.

Location: authority,
Mine Map.



(Show R. R.)

Operator | Mine Name or No.

1921 Madison Coal Corp. #8

Successor to
Date
Succeeded by
Date
Succeeded by
Date

PRODUCTION.

												U. S. No.
1921	12 - 1400 Tons per day											

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

Examined by Wilson Ref.

Coal bed name: Local
County Williamson
Survey No. 4
Index No. 0435:18

K.—~~ACTIVE~~ SHIPPING ~~OR LOCAL~~ COAL MINE. duplicate

(9019-1M-7-18)

Town, Dewmaine
Local Authority,

420.74 ✓
90 ✓
331 ✓

Surface alt., ~~412~~ ft.
Depth to coal, ~~91~~ ft.
Alt. top coal, ~~321~~ ft.
Thickness: Av. 108 in.
Max. in., Min. in.

Level: Auth., TES; NB102-p16
Minenotes. Wilson
Method, H.L.

R. R., I.C.

R. 1 E.
T. 8 S.
Sec. 35
(Show R. R.)

Location: authority, TES; folio

GEN'L COAL REPT.

Operator #456 ✓ Mine Name or No.

---

19 06 Madison Coal Corporation. No.8
Standard Oil Bldg., Chicago.
Successor to St. Louis & Big Muddy C. Co. Daws
Date 1906
Succeeded by abandoned
Date 1925 (Coal Catalog) #8
Succeeded by 1926 Co. letter Abt 1923.
Date

PRODUCTION.

	Fiscal		U. S. No.
19 15	339	776	703

Geol. Notes? Yes Coop. No. Coal secs.? 3
Analyses No. U.S. 1634, 16 more 12875-6-7; 13537; 1654, 1660, 1778, 1653, 1802, 5238,
Examined by Smith & Nebel Ref. 5215

Coal bed name: Local Survey No. 6
County Williamson Index No. 0435.18

K.—~~ACTIVE~~ SHIPPING ~~OR LOCAL~~ COAL MINE.

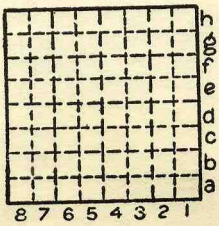
From: Coal Report, 1894, p. 107

Improvements. - "In Williamson County, the St. Louis & Big Muddy Coal Company, at Carterville, have erected buildings and put in a plant for washing coal. The plant was put in by the United States Coal Washing Company at a cost of $30,000; the capacity of the machine is six hundred tons of washed coal daily. The company has signed a contract to deliver to the company putting in the machinery, the entire output of all grades under lump coal. This is, perhaps, the most extensive improvement of this kind in the State."

By..... Date.....

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

County Williamson



Sec. 35

T. 8 N S

R. 1 E W

COAL MINE NOTES.

COUNTY Williamson TOWN MAP No. 07855

T. 8S R. 1E S. 35 NW¼

OPERATOR Madison Coal Co.

OFFICE St Louis.

MINE 8

TIPPLE

ENGINES

BOILERS

DRUM

SHAFT CAGE

HAULAGE

CARS

VENTILATION

DRAINAGE

SPRINKLING

WORKING SYSTEM

MINING METHODS

SIZE OF ENTRIES—MAIN CROSS ROOM NECK

SIZE OF PILLARS—MAIN CROSS ROOM

SHAFT CHAIN BARRIER

AMOUNT OF TIMBERING SIZE

PROPORTION OF COAL UTILIZED

AMOUNT AND CHARACTER OF WASTE

ACREAGE OF COAL MINED

ACREAGE OF COAL REMAINING

PROPORTION OF MINE RUN AND SCREENED COAL

METHOD OF SIZING RESCREENED

SIZES

PER CENT

PROPORTION AND SIZE OF WASHED COAL

DAILY OUTPUT

UTILIZATION

MARKETS

FREIGHT RATES

SELLING PRICES AT MINE

07855

COAL LAND OWNED LEASED HELD IN FEE 0435

COST OF LAND OWNED LEASED HELD IN FEE

ADDITIONAL NOTES

COAL MINE NOTES.
CONTINUED.

0435

OPERATOR Madison Coal Co. MINE

ENTRANCE Shaft. NAME OF COAL BED 7

ELEVATION 412 THICKNESS OF COAL

DEPTH TO FLOOR 100 MAX. MIN. AV.

ALTITUDE OF COAL 312

LOCATION OF SECTION

No.	SECTION.	In.
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
	Tape Total	

	SECTION Feet
SAMPLE No.	
CAN No.	
CONDITION	
GROSS WEIGHT	
TIME EXPOSED	
NOT SHIPPED	
NOT INCLUDED	

PHYSICAL PROPERTIES BY NUMBERS

ROOF

FLOOR

DIP

FAULTS, ETC.

GAS

COLLECTOR Savage REFERENCE DATE 0435

0435

MOORE'S MODERN METHODS

Operator, Date June 28, 1907

Mine, No 8 Sec. T. R.

Located, 1½ miles from Carterville L. C. R. R.

Location in mine, 2,200 ft N & 2200 ft W, R 13 W 2 N 4

GRAPHIC SECTION In.		No.	No.	DESCRIPTION OF SECTION (AT POINT SAMPLED) (Note character and thickness of roof)		Inches
				Roof slate		
0		1		Coal	14 1/2	14 1/2
		2		Bone	14 9/16	1/16
12		3		Coal	32 1/16	17 1/2
	B	2 4		Mother Coal	32 3/16	1/8
24		5		Coal	36 3/16	4
		6		Mother Coal	37 3/16	1
36		4 7		Coal	62 3/16	25
		6 8		Shale	62 5/16	1/8
48		9		Coal	74 5/16	12
		10		Slate	75 13/16	1 1/2
60		11		Coal	81 5/16	5 1/2
		8 12		Shale	81 11/16	3/8
72		13		Coal	95 11/16	14
		10				
84		12				
96						
				(Note character and thickness of floor)		
				Total thickness of coal.		95 11/16

Condition, Time, hr. min.

Wt. Gross, lbs. Net, lbs.

What Nos. shipped by Co.?

Excluded from sample: No. 10, 12

Sample represents 93 13/16 in. tons.

Impurities? How do they occur?

U.S.G.S. Bulletin 22. p 512

Sample No. Can No. Lab. No. 5215

Collector, G. S. Rose Coal: Survey No.

Mine, Co. Williamson Index No. 0435

R.—COAL SAMPLE SHEET.

Operator, Date June 28, 0

Mine, No 8 Sec. T. R.

Located, 1½ miles from N. 7 Carterville L. C. R. R.

Location in mine, 500 ft N. 2900 ft W. 7 shaft R 5 N 12

GRAPHIC SECTION			DESCRIPTION OF SECTION (AT POINT SAMPLED)			
In.		No.	No.	(Note character and thickness of roof)		Inches
				Roof slate		
0		1		Coal	8 3/8	8 3/8
		2		Bone	9 1/4	7/8
12	B	2 3		Coal	19 3/4	10 1/2
		4		Mother coal	20 1/4	1/2
24		4 5		Coal	26 1/4	6
		6 6		Mother coal	26 5/16	1/16
36		7		Coal	63 9/16	37 1/4
		8		Shale	64 9/16	1
48		9		Coal	87 13/16	23 1/4
		10		Slate		
60		11		Coal		
		8 12		Shale		
72		13		Coal		
84						
				(Note character and thickness of floor)		
				Total thickness of coal.		87 13/16

Condition, Time, hr. min.

Wt. Gross, lbs. Net, lbs.

What Nos. shipped by Co.?

Excluded from sample: No. 2, 8

Sample represents 85 15/16 in. tons.

Impurities? How do they occur?

B.M. Bulletin 22, p 512

Sample No. Can No. Lab. No. BM. 5238

Collector, G. S. Pope Coal: Survey No.

Mine, Co. Williamson Index No. 0435

R.—COAL SAMPLE SHEET.

Operator,
Mine, Davis
Located, miles from Carterville
Location in mine, Face of Newton str. W. Leading

Date May 18, 1905
Sec. T. R.
I.C. R. R.

GRAPHIC SECTION In.		No.	DESCRIPTION OF SECTION (AT POINT SAMPLED) No.	(Note character and thickness of roof)	Inches
0		1	Coal	84	8 4/4
12		2	Shale	86 1/4	2 1/4
24		3	Coal	109	2 2 3/4
36					
48					
60					
72					
84		2			
96					
108					
			(Note character and thickness of floor)		
			Total thickness of coal.		109

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

Excluded from sample: No. 2
Sample represents 106 3/4 in. tons.
Impurities? How do they occur?
B.M. Bulletin 22. p 511

Sample No. Can No. Lab. No. 1634

Collector, J. S. Burrows
Mine, Co. Williamson
Coal: Survey No.
Index No. 0435

R.—COAL SAMPLE SHEET.

SAMPLE DATA.

Sample # 2.

Label- Can No.- F.

Sample of-face coal. Mine No.-8 Madison Coal Corporation

Town-Dewmaine - 1 mi N. of Carterville.

Representing 76½ inches. of coal.

Excluded-X - 1; 2; 4; 6; 7.

Shipped- 3; 5.

	Section of Coal Bed.	Ft.	In
X 1.	Roof - Gray Shale above top coal	—	
X 2.	Top Coal - about 2 ft.		
3.	Coal - clean - hard - with few small	5	½
X 4.	vert. streaks of sulphur		
5.	Shale - "Blue band"	0	1½
X 6.	Coal - clean - very bright	1	4
X 7.	Black jack + coal about 6 in		
	Floor - fire clay		
	Total =	6 ft	6

Time of Exposure. 25 min.

Depth of Shaft = 100 ft.

Impurities consist mainly of- Shale - mother of coal - Scales of $CaSO_4$ - little Sulphur

Condition of coal- Dry.

Location in mine- Face of 18th N. off 2nd W

Weight 45# gross; 4# net. Date of sampling Nov. 25, 1912.

Samplers- M. L. Nebel; C. W. Smith.

?

SAMPLE DATA.

Label- Sample Can No.- M

Sample of- Face Coal Mine No.- 8-Madison Coal Corporation

Town- DeWaine- 1 mi. N Carterville.

Representing 110 inches.

Excluded- 1; 3; 8; 10

Shipped- 2; 4; 5; 6; 7; 9

	Section of Coal Bed.	Ft.	In.
X 1.	Gray shale roof		
2.	Coal - bright clean - hard	1	1
X 3.	Shale	0	1
4.	Coal - clean - bright - hard	3	3
5.	Coal - Streaked with moth. of coal -	2	6
6.	[redacted] Mother of coal & bone	0	1/4
7.	Coal - fairly clean	0	6 3/4
X 8.	Shale - "Blue-band" —	0	1
9.	Coal - very dirty	1	10
X 10.	Floor - fireclay		
12.			
13.	Total =	9 ft	5 In
14			
15.	Time of Exposure = 60 min.		
16.			
17.			

Impurities consist mainly of- Shale, bone, Sulphur, & $CaSO_4$ Scales.

Condition of coal- Dry.

Location in mine- Room #15 off 14th S off. W.

Weight 90# gross; 4# net. Date of sampling- 11/25/1

Samplers- Smith + Nebel —
Shaft depth 100'

?

SAMPLE DATA.

Label- Can No.- B

Sample of- Face Coal Mine No.- 8- Madison Coal Corporation

Town- Dewmaine. 1mi N of Carterville

Representing 86½ inches. of coal.

Excluded- X 1; 2; 6; 8.

Shipped- 3; 4; 5; 7

	Section of Coal Bed.	Ft.	In
X 1.	Gray shale above top coal		
X 2.	Top Coal about 2 feet		
3.	Coal - clean - bright	1	- 7
4.	Coal - with few thin mother of coal streaks	1	- 7
5.	Coal - fairly clean - hard	2	- 0
X 6.	Shale - "Blue Band" -	0	- 1½
7.	Coal - clean - bright - hard -	2	- ½
X 8.	Floor - fire clay.		
9.			
10.	Total -	7'	- 4"
11.			
12.			
13.	Time of Exposure = 40 min.		
14.	Depth of Shaft = 100 ft to bottom of coal.		
15.			
16.			
17.			

Impurities consist mainly of- Shale; bone; & mother of coal. very little Sulphur - CaSO4 scales

Condition of coal- Dry

Location in mine- Face of Main West.

Weight 60# gross; 47# net. Date of sampling- Nov. 25, 1912

Samplers. M. L. Nebel; C. W. Smith.

?

Symbol	Description	Inches
1 division=3 in.)	USBM Bull 22, p 511	

CARTERVILLE. DAW'S SHAFT.

Sample.—Bituminous coal; Illinois field; (Illinois No. 11) analysis No. 1634 (p. 91).

Mine.—Daw's; a shaft mine, near Carterville, on the Illinois Central Railroad.

Coal bed.—The coal worked at this mine is locally called the Big Muddy, correlated with the Herrin coal (No. 6) of the United States Geological Survey reports. It is of Carboniferous age, Carbondale formation.

The mine was measured and sampled by J. S. Burrows on May 18, 1905, as shown below:

Section of coal bed in Daw's shaft at Carterville.

	A
Section	
Laboratory No.	1634
	Ft. in.
Coal	7 0
Shale[a]	0 2½
Coal	1 10½
Thickness of bed	9 1
Thickness of coal sampled	8 10½

[a] Not included in sample.

The sample was taken from the face of the north entry, off the straight west heading.

For results of tests of this coal, see mention of specific tests as follows—steaming tests: U. S. Geol. Survey Bull. 290, p. 70; Bureau of Mines Bull. 23, pp. 59, 150; producer-gas tests: U. S. Geol. Survey Bull. 290, p. 72; Bureau of Mines Bull. 13, pp. 112, 273; coking tests: U. S. Geol. Survey Bull. 290, p. 74; Bull. 336, pp. 21, 28, 37; cupola tests of coke: U. S. Geol. Survey Bull. 336, pp. 50, 53, 56, 59, 62.

For chemical analyses see Part I of this bulletin, p. 91; also U. S. Geol. Survey Bull. 290, p. 69.

Collector.

Coal: Survey No. 6

Mine. Daw's Co. Williamson Index No. 0435

Q.—COAL SECTION SHEET.

Symbol | Description | Inches

(1 division=3 in.) US BM Bull 22, p 511-2

Carterville. No. 8 Mine.

Sample.—Bituminous coal; Illinois field; analyses Nos. 5238, 5215 (p. 92).

Mine.—No. 8, a shaft mine, 1½ miles north of Carterville, Williamson County, on the Illinois Central Railroad, in sec. 35, T. 8 S., R. 1 E.

Coal bed.—Herrin coal (No. 6); Carboniferous age, Carbondale formation. Thickness, about 7 feet 9 inches; roof, slate; floor, fire clay.

The bed was measured and sampled at two points by G. S. Pope, on June 28, 1907, as shown below:

Sections of coal bed in No. 8 mine, 1½ miles north of Carterville.

Laboratory No.	5238	5215
	Ft. in.	Ft. in.
Roof, slate.		
Coal	0 8⅜	1 2½
Bone	[a] 0 ⅞	0 1/16
Coal	0 10½	1 5½
Mother coal	0 ½	⅛
Coal	0 6	0 4
Mother coal	0 1/16	0 1
Coal	3 1¼	2 1
Shale	[a] 0 1	0 ⅛
Coal	1 11¼	1 0
Slate	.. ..	[a] 0 1½
Coal	.. ..	0 5½
Shale	.. ..	[a] 0 ⅜
Coal	.. ..	1 2
Thickness of bed	7 3⅛	7 11 11/16
Thickness of coal sampled	7 1⅛	7 9⅛

[a] Not included in sample.

Sample 5238 was taken 500 feet north and 2,900 feet west of the shaft, in room 5, off north entry 12, on the west entry.

Sample 5215 was taken 2,200 feet north and 2,200 west of the shaft, in room 13, off west entry 2, off north entry 4. The samples were dry when taken.

Notes.—In 1907 all coal was washed except egg and 6-inch lump. Room-and-pillar method of mining; no machines used; drilling done by hand. The daily output of the mine in June, 1907, was 1,600 tons.

For chemical analyses of this coal, see Part I of this bulletin, p. 92.

Collector, Coal: Survey No. C

Mine. #8 Co. Williamson Index No. 0435.18

Q.—COAL SECTION SHEET.

Mine Name or No., #8

at ~~mile~~ ~~from~~ Dewmaine

Operator, 191? Madison Coal Corp.

Operator, 191

R. 1E

T. 7 8 S

Sec. 35

R. R.

Entrance, Shaft Elev., 4? 320.74 ft. { above, Sea Level / ~~below~~,

Depth to bottom coal, 90 ft. Alt. 230.74

SURFACE DATA.

A. Topography, Swampy See

B. Surficial materials. (1) Character, Clayey

(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.

For Logs See D.W. Blaylock, Chief Eng., Madison Coal Corp., Glen Carbon, Ill.

See drill record sheet,

E. Notes on surrounding area,

See

Coal bed name: Local, Survey No. 6

Collector, Wilson

Mine, Madison #8 Co. Williamson Index No. 0435:18

L.—SURFACE SHEET (Geol.)

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

See

G. Note presence of strata having important effect on mining,
the white roof shale
See
(1) Position, Over coal
(2) Character, Soft, heavy, comes down.
(3) Persistence, In nearly all of mine.
(4) Other workable coal beds, None.

See

H. Cap rock, Is not seen.
(1) Thickness,
(2) Height above coal,

See

I. Immediate roof, Black Sh, White Sh.
(1) Thickness, Not known (2) Contact with coal,

(3) Horizontal variation,

See X 2

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

(3) Persistence,

K. Coal bed: Max. 126 Min. 84 Av. 96 inches
(1) Benches, Top coal forms bench, above & below BB.
(a) Position, At top of seam;
18" thick; left as roof.
(b) Persistence, Thruout mine.

See

(2) Bedded impurities, kind, position in benches, persistence, ease of separation. BB, Sh. & coal
24" from bottom; 1/2 - 2" separates easily: Charcoal or "Blackjack" in lower 1' of coal; very hard

See

(3) Irregularities in continuity of bed (due to deposition, erosion, or movement,
"Rolls" & Slips
See X 1
(a) Effect on mining,
Necessitate much timbering
See

SECTION				
Ft.	In.	Name	Index	Sym.
?		Black sh.		
8		Coal		
?		Floorclay		

Collector, Wilson
Coal: Survey No. 6
Mine, Madison #8 Co. Williamson
Index No. 0435.18

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

(a) Relative hardness, About average for Williamson county.

(b) Lustre, Layers of dull glance in upper; middle bright; dull predominates below

(c) Fracture, Blocky

(d) Texture, Laminated. See X 2

(6) Impurities in coal, other than bedded,

(a) Kind, Pyrite & gypsum? or calcite?

(b) Position and persistence, FeS_2 in upper part of middle coal

(c) Rejected, No. Ease of separation,

See

L. Floor: (1) Material, Floor Clay

(2) Thickness,

(3) Variation,

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

Dark gray with much black carbonaceous material; contains many slickensides.

See

(5) Clay sample No. Location,

M. Stratigraphy,

(1) Fossiliferous horizons underground,

In white or gray shale overlying coal in many places are very good plant fossils.

Collection No. Location,

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

See

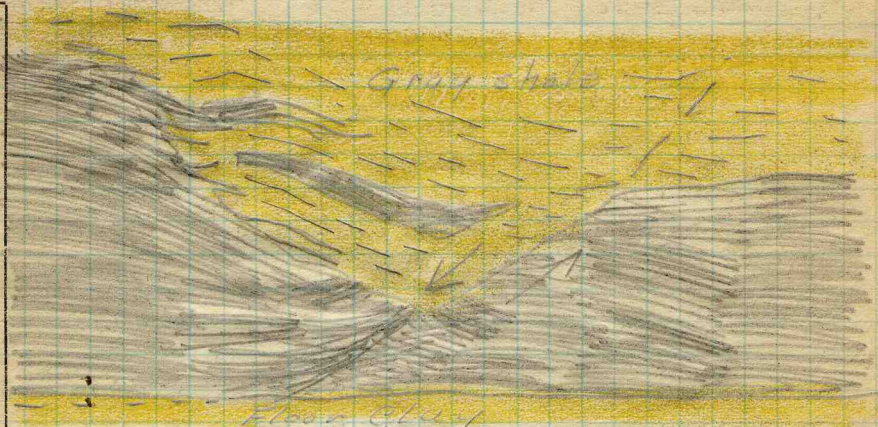
Collector, Wilson

Mine, Madison #8 Co. Williamson

Coal: Survey No. 6

Index No. 0435:18

N.—UNDERGROUND SHEET (Geol.)



Sketch of E. face.

K3

Slip or "roll" in 25th N. W.
Trend N. 75° W. Dip 22° to the N.

This is a typical "roll" or the center of a "roll" in this mine. They are confined largely to the N. W. part of the mine where they are very numerous. They trend in various directions and sometimes cut down into the coal so that in places only 2' of coal remains. The bottom of the coal is rarely disturbed, but in places it drops down as much as 18". In the vicinity of these "rolls" the contact of the coal & roof shale is very uneven.

Some "rolls" have no fault planes in them and are apparently depositional.

Collector Wilson
X- 1
EXTRA NO. 1
Index No. 0435.18
County Williamson

Frank Hill, Box 81, Herrin, Hoisting Engineer at Madison Coal Corp. #8, wants copy of this bulletin.

This mine is 31 years old and is very nearly worked out. Production is steadily decreasing. The working faces are 2½-3 miles from the bottom, and the old workings are very extensive and impossible to get into.

I Immediate Roof: Wherever possible 18" of top coal is left. Where this is not left a white shale, the "white top," is exposed in the west and N.W. This is the material always exposed by the "rolls" described in X 1. The "white top" is a very poor roof.

At the N.E. part of the workings, (all the works are to the N.W. of the shaft) a black "slate" occurs just over the coal. It is tough and makes a good roof.

Kc. Cleat in Room 6 off 18th N. off 2nd W.
Face: S 34° E Butt: S 15° W

Collector Wilson
X- 2 EXTRA NO. 2
Index No. 0435.18
County Williamson

Operator, Madison Coal Corp. Date July 5, 1921
Mine, #8 Sec. 35 T. 8S R. 1E.
Located, At miles from Dewmaine
Location in mine, Face of 7th S off Main W.

GRAPHIC SECTION In.	No.	No.	DESCRIPTION OF SECTION (AT POINT SAMPLED) (Note character and thickness of roof)	Inches
			Shale roof.	
18	1	1	Coal (left as roof) App 18"	
		2	Charcoal parting	
	2	3	Coal	18
		4	Charcoal	1/4"
13	3	5	Coal	12 3/4
		6	Ch' coal	1
1/4	4	7	Coal	13 1/2
		8	Ch' coal	1/2
12 3/4	5	9	Coal	16 1/4
		10	B.B. Shale	3/4
1	6	11	Coal	24
13 1/2	7			90
			Tape 89 1/2"	
1/2	8			
16 1/4	9			
3/4	10		(Note character and thickness of floor)	
			Total thickness of coal.	107 1/2
24	11			

Condition, As mined Time, hr. min.
Wt. Gross, 30 lbs. Net, lbs.
What Nos. shipped by Co.?

Excluded from sample: No. 1, 2, 10
Sample represents 89 1/4 in. tons.
Impurities? How do they occur?

Sample No. Can No. N-21-74 Lab. No. 12875
Collector, Natzaband Coal: Survey No. 6
Mine, Madison #8 Co. Williamson Index No. 0435: 18
R.—COAL SAMPLE SHEET.

Operator, Madison Coal Corp Date July 6, 1921
Mine, No. 8 Sec. 35 T. 8S R. 1E
Located, At miles from Dewmaine
Location in mine, Face of 3rd S off 3rd W.

GRAPHIC SECTION In.	No.	No.	DESCRIPTION OF SECTION (AT POINT SAMPLED) (Note character and thickness of roof)	Inches
			Shale roof.	
18	1	1	Coal (left as roof) App 18"	
		2	Charcoal parting	
	2	3	Coal	24 1/2
		4	Ch' coal	1/8
		5	Coal with FeS_2 stringers.	14
24 1/2	3	6	Coal with ch'coal partings	4
		7	Coal	8 1/2
		8	B.B. Sh. with coal stringers	2
1/8	4	9	Coal	10
		10	Ch' Coal	5/8
14	5	11	Coal	11 1/2
		12	Ch' coal (blackjack) lens	1 3/4
4	6	13	Coal	1 1/2
8 1/2	7		Tape 79"	
2	8			
10	9			
7/8	10			
	11		(Note character and thickness of floor) Total thickness of coal.	96 1/2
1 3/4	12			
1 1/2	13			

Condition, As mined Time, hr. min.
Wt. Gross, 25- lbs. Net, lbs.
What Nos. shipped by Co.?

Excluded from sample: No. 1, 2, 8, 12
Sample represents 74 3/4 in. tons.
Impurities? How do they occur?

Sample No. Can No. M-21-75 Lab. No. 12876
Collector, Nat Leland Coal: Survey No. 6
Mine, Madison #8 Co. Williamson Index No. 0435:18

R.—COAL SAMPLE SHEET.

MOORE'S MODERN METHODS

Operator, Madison Coal Corp Date 3/9/27
Mine, No. 8 Sec. T. R.
Location in mine, Room 9, 2nd W off 8th S

GRAPHIC SECTION			DESCRIPTION OF SECTION (AT POINT SAMPLED)	
In.		No.	No. (Note character and thickness of roof)	Inches
			Coal roof	16 +
			1 Coal	28
			2 Charcoal	2/8
			3 Coal	23
			4 Charcoal	1/8
			5 Coal	1 6/8
			6 Charcoal	2/8
			7 Coal	9
			Bad, missing in sample.	
			8 Coal	23
			Medium grey floor clay	
			Tape 85	
			(Note character and thickness of floor)	
			Total thickness of coal.	101 3/8

Condition, Dry Time, 1 hr. — min.
Wt. Gross, 42 lbs. Net, 4 lbs.
What Nos. shipped by Co.? All

Excluded from sample: No. None (top coal)
Sample represents 85 3/8 in. tons.
Impurities? How do they occur? Charcoal partings & lenses

(1 division = 3 in.)

Sample No. N-22-37 Can No. 05760 Lab. No. 13537
Collector, Petzeband Coal: Survey No. C
Mine, Madison #8 Co. Williamson Index No. 0435-

R.—COAL SAMPLE SHEET.

Operator, Madison Coal Corp Date July 6, 1971
Mine, No. 8 Sec. 35 T. 8S R. 1E.
Located, At ~~miles from~~ Dawmaine.
Location in mine, Room 6 off 18th N off 2nd W.

GRAPHIC SECTION In.		No.	DESCRIPTION OF SECTION (AT POINT SAMPLED) No. (Note character and thickness of roof)	Inches
			Shale roof.	
18		1	1 Coal (left as roof) App 18"	
			2 Ch coal parting	
		2	3 Coal	7 1/4
7 1/4		3	4 Ch coal	1/8
1/8		4	5 Coal	9 3/4
9 3/4		5	6 Pyrite lens	1
1		6	7 Coal	6 3/4
7		7	8 Ch coal	1/8
1/8		8	9 Coal	27 1/2
			10 Shale	1/2
			11 Coal	4
			12 B.B. Shale	1
27 1/2		9	13 Coal	23 1/2
			Tape 81 1/2	
			(Note character and thickness of floor)	
			Total thickness of coal.	89 1/2

Condition, As mined Time, hr. min.
Wt. Gross, 25 lbs. Net, lbs.
What Nos. shipped by Co.?

Excluded from sample: No. 1, 2, 12
Sample represents 80 1/2 in. tons.
Impurities? How do they occur?

Sample No. Can No. N-21-76 Lab. No. 12877
Collector, Netzaband Coal: Survey No. 6
Mine, Madison #8 Co. Williamson Index No. 0435:18

R.—COAL SAMPLE SHEET.

Location and Elevation Data

Location: Exact ✓ Approximate

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

Location by Herrin topographic map (Advance sheet); also Company map

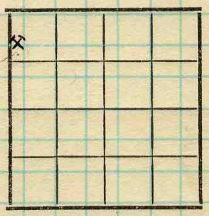
Date ____ Notebook No. ____ Page ____

Looseleaf ref. ____

Map files No. 19-100-8

Description of location

Position in sec., ¼ sec., 40 acres



____ feet from North line

____ feet from East line

____ feet from South line

____ feet from West line

Other description: see loc. sheet

Farm ____

No. ____

Company Madison Coal Corporation

No. 8

County No. 456

Elevation 420.7 ft.

By Company

Method: Level, transit, alidade, hand level

level

Elevation of ____

Height of point above ground ____

Date ____ Notebook ____ P. ____

Looseleaf ref. Mine notes - Wmson 0435.18

Map files No. ____

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

SHIPPING MINE

County Williamson

Quadrangle Herrin

Index No. G 8 0435. ~~H 8~~ Tabo

(45576—1M—10-30)