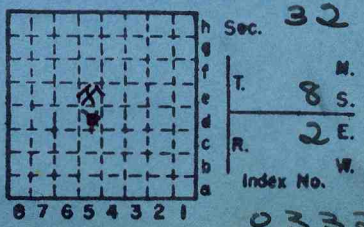
Taylor CC, #1

435

Mi. #159



MOORE'S MODERN METHODS

Mine originally operated by: (1) Carterville Mining Co.

Date
1910

Original name or number:
Illinois Coal Report p.

LATER OPERATORS

	Date	Operator	Name or No.
2	1915	Taylor Coal Co.	
3	1915	Taylor Mining Co.	
4	1916	Taylor Coal Co.	Energy #1
	→ abn'd - 1924		
5	1925	Franklin County Coal Co.	#1
6		Perhaps Franklin Co.	
7		Co bought this mine along with Taylor #2 + 3, but	
8		they did not operate it.	
		J.O., 1951	
9			
10			
11			
12			
13			
14			

* Also owners #See ownership sheet

Railroad, Wagon, Idle, Abandoned

I.C Coal Belt

IDENTIFICATION

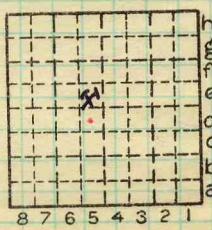
SHIPPING MINE

County No. 435 Coal No. 6

Part

Quad. Herrin

County Williamson



Sec. 32

T. 8 N. S.

R. 2 E. W.

Index No. 0332 d5

COAL MINE OPERATOR

E5

(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 Plane Table) 456.7 ft.
By W.B.R. (1932) Data sheet

DEPTH

Authority To coal ft.
Authority Rail to rail ft.
Top of coal above rail. (Est. Rule) ft.
To coal 48 ft.

ALTITUDE OF TOP OF COAL

By estimated data
By instrumental data 408 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. 12796-7-8	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

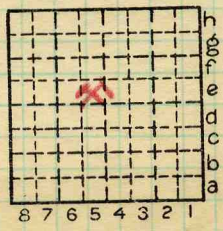
Misc. tests: Coking. Cleaning Boiler

Published descriptions:— MI 159 B62

Railroad, Wagon, Idle, Abandoned

IDENTIFICATION

County No. 435 Coal No. 6
Part
Quad. Herrin
County Williamson



Sec. 32
T. 8 N. S.
R. 2 E. W.
Index No. 0382 d5 E

COAL MINE LOCATION AND DATA

(34215—1M—3-30) 7

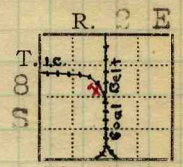
Town, Herrin
Local Authority,

Level: Auth., TES; NB102-p9&44
Roe P. table (1932)
Method, H.L.

R. R., I.C.; Coal Belt

Location: authority, Taylor Coal Co.

Surface alt., 456.7 ft.
Depth to coal, 48 ft.
Alt. top coal, +408 ft.
Thickness: Av. 9½ in.
Max. in., Min. in.



(Show R. R.)

Operator GEN'L COAL REPT. #435 Mine Name or No.

1915 Taylor Mining Co Energy No.1

Successor to Taylor Coal Co (1915) from Carterville
Date Mining Co No.1 (1910)
Succeeded by Taylor Coal Co. (Energy) No.1
Date Letter from Co. 12/21/16.
Succeeded by Franklin Co. Coal Co.
Date 1925 No.1

PRODUCTION.

	Fiscal	U. S. No.
1915	197 875	635

Geol. Notes? Brief Coop. No. Coal secs.?
Analyses No. 12796-7-8

Examined by TES. 21 Ref.

Coal bed name: Local
County Williamson
Survey No. 6
Index No. 0332.45

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

ES

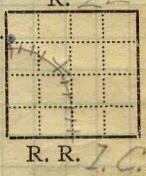
2-36

Mine Name or No., No 1

1 mile S from Herrin

Operator, 1921 Taylor Coal Co. 68

Operator, 191 (Located s of RR on Folio Map.)



Entrance, Shaft Elev., 480 ft. { above, / below, sea level

Depth to bottom coal, 50 ft. Alt. 430

SURFACE DATA.

A. Topography, Rolling; swampy in places See

B. Surficial materials. (1) Character, Till; Clayey

(2) Thickness, 12' (3) Effect on mining and shaft-sinking, of former drainage lines, underground water strata, etc.

Much water comes down thru caves, many of which go to the surface. In 9th & 10th S.E. entries the coal gets so shallow it is not workable.

See

C. Outcrops, (1) Character, See

(2) Structure, Coal reptd to outcrops See

(3) Fossil horizons, underneath the till See

Collection No., just S. of this mine. See

(4) Evidences of subsidence, See

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

G. N. Pfeiffer, Herrin; See for Elev.

See drill record sheet,

E. Notes on surrounding area,

See

Coal bed name: Local, Survey No. 6

Collector, Wilson

Mine, Energy #1 Co. Williamson Index No. 0332-45

L.—SURFACE SHEET (Geol.) E5

F. Thickness of rock above bed worked, 36'

(1) Important variations, Reptd that it varies from a black slate in E. part. to white sh. See

G. Note presence of strata having important effect on mining, the "white top" See X 1

(1) Position, At coal or over draw slate

(2) Character, Soft, white, heavy, treacherous.

(3) Persistence, Thruout mine.

(4) Other workable coal beds, None. See

H. Cap rock, None present.

(1) Thickness,

(2) Height above coal,

See

I. Immediate roof, Top coal; white shale.

(1) Thickness, (2) Contact with coal, Top coal, 14"; shale, ? Sh. contacts often irregular.

(3) Horizontal variation,

See

J. Draw slate. (1) Thickness, 2' (2) Contacts Wavy regular and tight.

(3) Persistence, Found mostly in the N. W.

K. Coal bed: Max. 120 Min. 72 Av. 90 inches

(1) Benches,

(a) Position, Top Coal, 14" thick. # top of seam.

(b) Persistence, Thruout Mine. See X 1

(2) Bedded impurities, kind, position in benches, persistence, ease of separation. The B.B. and 2 other small shale layers. The B.B. is here 1" thick.

See

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

(a) Effect on mining, Faults in roof Much water present. See X 2

SECTION

Ft.	In.	Name	Index	Sym.
		Surface		
12		Till		
36		Sh.	?	
2		D.S.		
7	6	Coal		
?		F.C.		

Collector, Wilson

Coal: Survey No. 6

Mine, Energy #1 Co. Williamson

Index No. 0332-45

M.—UNDERGROUND SHEET (Geol.)

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

(a) Relative hardness, Seam seems uniform in hardness.

(b) Lustre, Dull at bottom to bright at top.

(c) Fracture,

(d) Texture, Compactly bedded; Massive. See X 1

(6) Impurities in coal, other than bedded,

(a) Kind, FeS, lenses & Stringers

(b) Position and persistence, Lenses below B.B.; Stringers below top coal & above B.B.

(c) Rejected, No Ease of separation,

See

L. Floor: (1) Material, F.C.

(2) Thickness, ?

(3) Variation,

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

This floor clay is very soft and is in many places always wet, so heaving frequently results.

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, Wilson

Coal: Survey No. 6

Mine, Energy #1 Co. Williamson

Index No. 0332-45

N.—UNDERGROUND SHEET (Geol.)

G. The "white top" here, as in many other mines is a difficulty in mining operations. Where possible the top coal, a bench 14" thick, is left to hold this soft white shale up, but in many places this comes down. A good many falls of the "white top" are the result. A number of these have caved clear to the surface, an indication that no limit is here present. The largest fall observed was 7' above the coal and here nothing but "white top" was seen.

K1. At the top of the top coal there is a 4-8" layer of dull black coal similar to that found in the Keystone mine at Pittsburg. This material grades into a carbonaceous sh. at the top and into the brighter coal at the base. It is completely bedded blocky, and contains good cleavage faces.

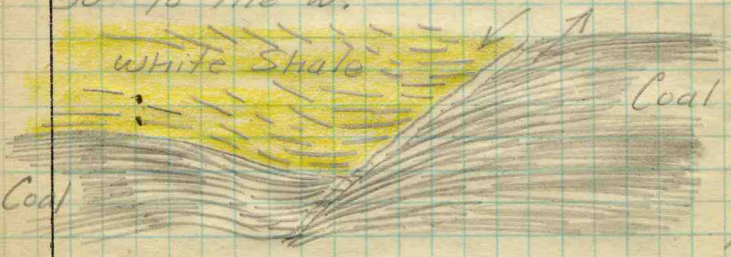
K5 In all parts of the mine but the 9th & 10th N. the face of the coal runs W., and here it runs S.

Collector Wilson
X- 1 EXTRA NO. 1
Index No. 0332:45
County Williamson

K3

Faults in the Mine: A number of small faults occur in the white shale of the roof but few get down into the coal.

The sketch is a fault, the largest observed occurring at the face of the 3rd & 4th SW.; Strike N 15° E, Dip 30° to the W.



Section of N. wall of entry to room, stopped because of fault. Displacement about 4'. Scale Approx. 10 in. = 1 foot.

—oo—

Other small faults in the roof in the southern part of the mine were observed to trend N-S., while a number of small faults in the N.W. had an E-W. trend.

Collector Wilson
X- 2
EXTRA NO. 2
Index No. 0332:45
County Williamson

MOORE'S MODERN METHODS

Operator, Taylor Coal Co Date June 24, 1921
Mine, Energy #1 Sec. 32 T. 8S R. 2E
Located, 1½ miles from Herrin
Location in mine, 3rd N W Room 56

GRAPHIC SECTION			DESCRIPTION OF SECTION (AT POINT SAMPLED)	
In.		No.	No. (Note character and thickness of roof)	Inches
			White shale roof	
		1	1 Coal (left as roof) 14" App.	14
			2 Coal pyrite lenses + stringers	42½
			3 Charcoal	½
			4 Coal	16½
			5 BB	1
			6 Coal	5
		2	7 Shale	¾
			8 Coal	8
			9 Clay mixture	1
			10 Coal	13
			27" tape	
		3		
		4		
		5		
		6		
		7		
		8	(Note character and thickness of floor)	
		9	Total thickness of coal.	
		10		

Condition, As mined Time, hr. min.
Wt. Gross, 30 lbs. Net, lbs.
What Nos. shipped by Co.? 2, 3, 4, 6, 7, 8, 9, 10

Excluded from sample: No. 1, 5, 7, 9
Sample represents 8 4¼ in. tons.
Impurities? How do they occur?

Sample No. 1 Can No. N-21-63 Lab. No. 12796

Collector, Netzeband Coal: Survey No. 6
Mine, Energy #1 Co. Williamson Index No. 0332:45

R.—COAL SAMPLE SHEET.

MOORE'S MODERN METHODS

Operator, Taylor Coal Co Date June 24, 1921
Mine, Energy #1 Sec. 32 T. 85 R. 2E
Located, 1 5 miles from Herrin
Location in mine, 3rd SW Room 50

GRAPHIC SECTION In.		No.	DESCRIPTION OF SECTION (AT POINT SAMPLED) No. (Note character and thickness of roof)	Inches
			White Shale roof	
		1	1 Coal (left as roof) 14" App.	22 1/2
			2 Coal	1 1/4
			3 Charcoal	3
		2	4 Coal	2
			5 Charcoal	10 1/2
		4	6 Coal	1/4
			7 Shale	3
		3	8 Coal	1/2
		4	9 Shale & pyrite	14 1/2
		5	10 Coal, pyrite stringers	1 1/4
		6	11 BB. shale, pyrite	12 1/2
		7	12 Coal	1/4
		9	13 Pyrite	1 1/2
			14 Coal	
		10	81" tape	
		11		
		12	(Note character and thickness of floor) Total thickness of coal.	
		13		
		14	Condition, R/S mined Time, hr. min. Wt. Gross, 30 lbs. Net, lbs. What Nos. shipped by Co.?	
			Excluded from sample: No. 1, 7, 9, 11, 13 Sample represents 7 3/4 in. tons. Impurities? How do they occur?	

Sample No. 2 Can No. N-21-64 Lab. No. 12797
Collector, Netzeband Coal: Survey No. 6
Mine, Energy #1 Co. Williamson Index No. 0332-45
R.—COAL SAMPLE SHEET.

Operator, Taylor Coal Co. Date June 24 1921
Mine, Energy No. 1 Sec. 32 T. 8S R. 2E
Located, 1 S. miles from Herrin
Location in mine, Face 5th N.E.-W. stub entry

GRAPHIC SECTION In.		No.	DESCRIPTION OF SECTION (AT POINT SAMPLED) No. (Note character and thickness of roof)	Inches
			White shale roof	
			1 Coal (left as roof) 18" App.	
			2 Coal	11
			3 Charcoal	1 1/4
			4 Coal	10
			5 Clay mixture, pyrite	1 1/2
			6 Coal pyrite string	22 1/4
			7 Clay mixture	1 1/2
			8 Coal	1 3/4
			9 Clay mixture	3/8
			10 Coal	8 7/8
			11 Clay	1/8
			12 Coal	6
			13 BB shale	1
			14 Coal	1
			15 Pyrite lens	1
			16 Coal	5
			17 Clay mixture	1/2
			18 Coal	15
			(Note character and thickness of floor)	
			Total thickness of coal. 87"	

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

Excluded from sample: No. 1, 5, 7, 9, 13, 15, 17
Sample represents 82 1/8 in. tons.
Impurities? How do they occur?

Sample No. 3 Can No. N-21-65 Lab. No. 12798
Collector, Netzabend Coal: Survey No. 6
Mine, Energy #1 Co. Williamson Index No. 0332.45
R.—COAL SAMPLE SHEET.

MOORE'S MODERN METHODS

Location and Elevation Data

Location: Exact ✓ Approximate

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

Location by W.B.Roe and Topographic sheet (Advance Herrin)

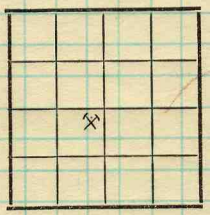
Date 8-11-1932 Notebook No. 614 Page 55 (2328)

Looseleaf ref.

Map files No. 14-100-45

Description of location

Position in sec., ¼ sec., 40 acres



Sec. 32

T. 8 S.

R. 2 E.

3085 feet from South line

2225 feet from West line

Other description:

Farm

No.

Company Taylor Coal Co.

No. No.1 mine

County No. 435 29

Elevation 455.5 ft.

By W.B.Roe

Method: Level, transit, alidade, hand level

Plane table & alidade

Elevation of Curb

Height of point above ground 9"

Date 8-11-1932 Notebook 614 P. 55 (2328)

Looseleaf ref.

Map files No. 14-100-45

Description of item: (drill hole, mine, etc.) ~~Hoist~~ Air shaft-permanently abandoned

SHIPPING MINE

shipping mine

County Williamson Quadrangle Herrin Index No. 0332 5d

(45576—1M—10-30) 7