





Mine originally operated by: (1)

Date **Chicago Carterville Coal Co**  
**1900**

Original name or number: **Nol**  
Illinois Coal Report **1900** p. **206**

LATER OPERATORS

Date	Operator	Name or No.
2 1905-6		"A"
3 1918	Chicago Wilmington & Franklin	A
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		

\* Also owners

#See ownership sheet

Railroad, Wagon, Idle, Abandoned **1931**

**SHIPPING MINE**

IDENTIFICATION

County No. **424**

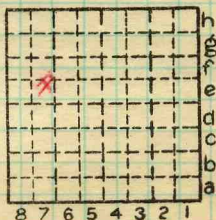
Coal No.

6

Quad. **Herrin**

Part 6

County **Williamson**



Sec. **19**

T. **89** N. S.

R. **3** E. W.

Index No.

**0319 e7**

COAL MINE OPERATOR



Period						Tons		
Mo.	Day	Year	Mo.	Day	Year			
7	1	1899	6	30	1900	2	2	422
					1902		209	701
					1903		277	898
					1901		76	836
					1904		343	006
					1905		402	088
					1906		312	482
See summary below								
1	1	1931	12	31	1931		91	713
					1932		(idle)	
					1933		(idle)	
					1934		(idle)	
Not reported after 1931 (abandoned)								

1901 76,83

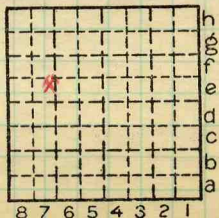
SUMMARIES

No.	to	No.			
1900		1930 incl	13	157	488
		Total Production	13	249	201
		1900-1934			

Railroad, Wagon, Idle, Abandoned IDENTIFICATION

County No. 424 Coal No. 6

Quad. Herrin Part 6 County Williamson



Sec. 19

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LOCATION AND ELEVATION

Location: **S** side **Mo Pac**  
**E** side **I.C.**  
side Highway No.

R. R.  
R. R.

on top. map Location sheet **Company & T.E.S.**

Elevation: Method, 1. Est. ( ) \_\_\_\_\_ ft.  
2. Inst. (kind **Hand Level**) **402.0**

By **Company(?)** Data sheet

DEPTH

Authority **Company (?)** To coal \_\_\_\_\_ ft.  
Authority Rail to rail \_\_\_\_\_ ft.  
Top of coal above rail. (Est. Rule) \_\_\_\_\_ ft.  
To coal **171** ft.

ALTITUDE OF TOP OF COAL

By estimated data \_\_\_\_\_  
By instrumental data **231** ft.

Thickness

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

GEOLOGICAL DATA

Mine notes, date **1912(Kay)**

Coop No. **62** Pyr. inv. Coal Ash inv.

CHEMICAL DATA

Analyses Face U. I. **5125-7** 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 **R.I. 132 U.C.I. 147**

Misc. tests: Coking. Cleaning Boiler

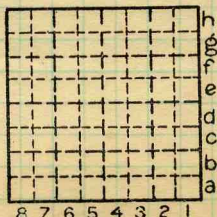
Published descriptions:— **Folio**  
*Bull 62 or Sup.*

Railroad, Wagon, Idle, Abandoned

IDENTIFICATION

County No. **424** Coal No.  **6**  
Part **6**

Quad. **Herrin**  
County **Williamson**



Sec. **19**  
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COAL MINE LOCATION AND DATA



COAL MINE NOTES.

COUNTY *Williamson.*

TOWN *Herrin.*

MAP No. *0319*

T. *85*

R. *2E*

S. *19 N.W. 1/4*

*0319*

OPERATOR *Chicago & Cartersville Coal. Co.*

OFFICE *Herrin.*

MINE *A*

TIPPLE

ENGINES

BOILERS

DRUM

SHAFT

CAGE

HAULAGE

CARS

VENTILATION

DRAINAGE

SPRINKLING

WORKING SYSTEM

MINING METHODS

*Shot off solid.*

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

COAL LAND OWNED

LEASED

HELD IN FEE

COST OF LAND OWNED

LEASED

HELD IN FEE

*0319*

ADDITIONAL NOTES *See Main Note Book 10, P 33 to 38 inc.*



COAL MINE NOTES.  
CONTINUED.

OPERATOR *Chicago & Carterville Coal Co.* MINE **0319**  
ENTRANCE *Shaft.* NAME OF COAL BED #6  
ELEVATION *405* THICKNESS OF COAL  
DEPTH TO FLOOR *186* MAX. MIN. AV.  
ALTITUDE OF COAL *219*  
LOCATION OF SECTION *3rd Room, 2nd North, 4th East. on North side*

No.	SECTION.	In.
1	<i>Gray shale</i>	<i>20+</i>
2	<i>Coal soft top</i>	<i>25</i>
3	<i>Coal</i>	<i>57</i>
4	<i>Blue Band</i>	<i>1/2" to 1"</i>
5	<i>Coal</i>	<i>23</i>
6	<i>Fireclay</i>	
7		
8		
9		
10		
11		
12		
Tape		Total

SECTION

Feet

SAMPLE No. *G67*

CAN No.

CONDITION

GROSS WEIGHT

TIME EXPOSED

NOT SHIPPED

NOT INCLUDED *4*

PHYSICAL PROPERTIES BY NUMBERS

*Some sulphur streaks in middle of coal  
The parting is good between the top coal & the rest of the seam but the top coal is so soft that the heavy shots often bring it down.*

ROOF

*The shale does not make a good roof 2' of coal is left up to protect it.*

FLOOR

*Fire Clay.*

DIP

FAULTS, ETC.

*Some small faults.*

GAS

*Most gas of the vicinity*

COLLECTOR

*Grant.*

REFERENCE

*N.B. 7 P 72*

DATE *5-31-06*

*Additional notes by Bain*

"

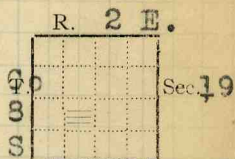
*NB 10-P33 to 38 inc.*

*0319*

**0319**

COAL MINING INVESTIGATIONS  
COOPERATIVE AGREEMENT

Mine Name or No., **A**  
**1** mile **S.E.** from **Herrin**  
 Operator, 191 **Chicago & Carterville Coal Co**  
 Operator, 191



Entrance, **Shaft** lev. **400** ft. { above,  
 Depth to bottom coal, **200+** ft. { below, **Sea level** **Mo. Pac/**  
 ft. Alt.

R. R. C. B. & Q.

SURFACE DATA.

- A. Topography **Level** See  
 B. Surficial materials, (1) Character  
 (2) Thickness, (3) Effect on mining and shaft-sinking, of former drainage lines, underground water strata, etc.

**Mr. Core says H<sub>2</sub>O seems to come from surface rather than from any water sand.**

- C. Outcrops, **No** (1) Character, See  
 (2) Structure, **General N.E. dip** See **X**  
 (3) Fossil horizons See  
 Collection No.,  
 (4) Evidences of subsidence, **5th E.S. MSchoolhouse** See **X**  
 D. Note collection of mine maps, drill records and shaft logs.

**Office promised to forward shaft log immediately** Rec'd 5/15/12

See drill record sheet.

- E. Notes on surrounding area,  
**It is well known that the region is bothered with quicksand, altho most of the H<sub>2</sub>O in this mine is supposed to come from surface in squeezes.**

See

Coal bed name: Local, **No. 6**  
 Collector, **B. H. Kay**  
 Mine, **Chicago Carterville A** Co.

Survey **Herrin**  
 State No. **0319**  
 Co-op. No. **62**

UNDERGROUND DATA

F. Thickness of rock above bed worked,  
 (1) Important variations, See

G. Note presence of strata having important effect on mining.  
*Top coal Av. 18"* See

- (1) Position, *Forms roof.*
- (2) Character, *Good coal.*
- (3) Persistence, *Occasionally cut out by shale*
- (4) Other workable coal beds, *—*

See

H. Cap rock, *Gray calc shale.*  
 (1) Thickness, *30+ See Williams.*  
 (2) Height above coal, *Usually smooth.*  
See

I. Immediate roof *Coal.*  
 (1) Thickness, *Av 18 in* (2) Contact with coal, *Usually smooth.*  
 (3) Horizontal variation, *Occasionally cut out by cap rock.*  
See

J. Draw slate. (1) Thickness, *None.* (2) Contacts  
 (3) Persistence *—*

K. Coal bed: Max. Min. Av *108* inches

- (1) Benches, *2 + 3.*
  - (a) Position, *Top coal 18"*
  - (b) Persistence, *Some times Blue band. abt. 21"*  
*from bottom.*See
- (2) Bedded impurities, kind, position in benches, persistence, ease of separation.

*Dirt in small bands. Little sulphur. Cleaner than Christopher.*




See

(3) Irregularities in continuity of bed (due to deposition, erosion, or movement). *Very regular.*

See

(a) Effect on mining,

See

SECTION				
Ft.	In.	Name	Index	Sym.
1		<i>yl. cl.</i>	—	
2	6	<i>gr. ls.</i>	—	
9	6	<i>dr. sl.</i>	—	

Collector, *Kay* Coal, # *6*  
 Mine, *Chgo. Carter v. A.* Co. *Williamson.*

State No. **0319**

Co-op. No. *62.*





UNDERGROUND DATA (cont'd.)

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

(a) Relative hardness, **Same.**

**Blocky**

(b) Lustre, **Bright**

(c) Fracture, **Blocky**

(d) Texture,

See

(6) Impurities in coal, other than bedded,

(a) Kind, **Prob. CaCO<sub>3</sub> Sample taken**

(b) Position and persistence,

**Not abundant**

(c) Rejected,

Ease of separation,

**Yes**

**By washer**  
See

L. Floor: (1) Material **Clay**

(2) Thickness **2' to 5'**

(3) Variation **Same material.**

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

**Gray soft**

**Do not undercut**

**Does not appear to be of special value**

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, **F. H. Kay** Coal **Herrin**

Mine, **A, Chicago Carberville**

**Williamson**



State No. **0319**

Co-op. No. **62**

K. Total 8'9

Coal, blocky, bright, very little dirt, small amount  $\text{CaCO}_3$ , good quality 7ft

Blue band, gray shale 1 in

Coal, clean, brittle 1'-9in

No defined cleat.

Blue band, not regular/

Sample of  $\text{CaCO}_3$ ?

3rd S. 5th E. N. R. 4

Coal section

C4 Some of the squeezes show subsidence at surface. One in the 5th E. S. nearly caught schoolhouse.

Coal at 200 ft, while at Christopher it is 516

N-S fault in mine "B" throw 20 feet.



# COAL MINING INVESTIGATION

## COOPERATIVE AGREEMENT

Operator, *Chicago & Carterville* Date, *7/19* 191*2*  
 Mine, *A* Located *2 1/2* miles *N.W.* from *Herrin*  
 Location in mine, *Room No. 6*  
 Total (vertical) depth from surface at point of sampling, *208* ft.

In describing the beds and character of the members, note any member that is rejected by the miner. Note all clay and sulphur partings, whatever their thickness. Exclude from sample all clay and sulphur partings  $\frac{3}{8}$  inch thick or over (and even those of less thickness if they are rejected at mine or tippel).

### SECTION OF BED AT POINT SAMPLED

No.	DESCRIPTION	FEET	INCHES
1	<i>Coal clean &amp; bright</i>	<i>7</i>	
2			
3			
4			
5			
6			
7			
8			
9			
10			
11	<i>Top coal not included.</i>	<i>106</i>	
12			
13			
14			
15			
16			
17			
TOTAL,		<i>7</i>	

Is coal wet or dry? *Dry*  
 Time exposed, *49* hours, *6* minutes.  
 Weight, *52* gross, net.  
 What are the impurities, and how do they occur? *3 small blue clay bands 1/4 in thick*  
 What are shipped? *Total*  
 What are excluded from the sample?

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

Town, *Herrin* Mine, *A* Co. *Williamson*  
 Sample No. *1* Can No. *353* No. *62*

I.—COAL SAMPLE SHEET. Sampler. *J.M.W.* 0319  
*#5125*



COAL MINING INVESTIGATION

COOPERATIVE AGREEMENT

Operator, *Chicago & Carterville* Date, *7/19* 191*2*  
 Mine, *Co* Located *1* miles\* N.W. from *Herrin Ill*  
 Location in mine, *Room No. 19*  
 Total (vertical) depth from surface at point of sampling, *248* ft.

In describing the beds and character of the members, note any member that is rejected by the miner. Note all clay and sulphur partings, whatever their thickness. Exclude from sample all clay and sulphur partings  $\frac{3}{8}$  inch thick or over (and even those of less thickness if they are rejected at mine or tipple).

SECTION OF BED AT POINT SAMPLED

No.	DESCRIPTION	FEET	INCHES
1	Coal	6	3
2	Blue clay band		1/8
3	Coal	1	
4			
5			
6			
7			
8	<i>Hop coal not included.</i>		
9			
10			
11			
12			
13			
14			
15			
16			
17			
TOTAL,		8	

*102*

Is coal wet or dry?  
 Time exposed, \_\_\_\_\_ hours, \_\_\_\_\_ minutes.  
 Weight, *50* \_\_\_\_\_ grams, \_\_\_\_\_ net.  
 What are the impurities, and how do they occur? *Blue clay band*

What are shipped? *1 3 2*  
 What are excluded from the sample? *2*

\*Direction (N., NE., etc.). Coal bed, \_\_\_\_\_  
 †Nearest railway station. *6*

Town, *Herrin* Mine, \_\_\_\_\_ Co. *Williamson*  
 Sample No. *3* Can No. \_\_\_\_\_ No. *62*

I.—COAL SAMPLE SHEET. Sampler. *J.M.W.* *0319*  
*#5126*



# COAL MINING INVESTIGATION

## COOPERATIVE AGREEMENT

Operator *Chicago + Hartsville* Date, *7/19* 191*2*  
 Mine, *C* Located, *1* miles\* from *Herrin*  
 Location in mine, *Room No. 3*  
 Total (vertical) depth from surface at point of sampling, *500* ft.

In describing the beds and character of the members, note any member that is rejected by the miner. Note all clay and sulphur partings, whatever their thickness. Exclude from sample all clay and sulphur partings  $\frac{3}{8}$  inch thick or over (and even those of less thickness if they are rejected at mine or tipple).

### SECTION OF BED AT POINT SAMPLED

No.	DESCRIPTION	FEET	INCHES
1	Coal	4	10
2	Blue clay band		1
3	Coal	2	
4			
5			
6			
7			
8			
9			
10	Top coal not included.	108	
11		43	
12		82	
13			
14			
15			
16			
17			
TOTAL,		6	11

Is coal ~~wet~~ or dry?  
 Time exposed, *3* hours, *3* minutes.  
 Weight, *39* gross, net.  
 What are the impurities, and how do they occur? *Blue clay band*

What are shipped? *1*  
 What are excluded from the sample? *3*  
 Coal bed, *6*  
 \*Direction (N., NE., etc.). †Nearest railway station.

Town, *Herrin* Mine, *J.M.W.* Co. *Williamson*  
 Sample No. *2* Can No. *62* No. *0319*

I.—COAL SAMPLE SHEET. Sampler.

#5127

Mine originally operated by: (1)

Date \_\_\_\_\_

Original name or number:

Illinois Coal Report \_\_\_\_\_

P.

LATER OPERATORS

Date \_\_\_\_\_

Operator \_\_\_\_\_

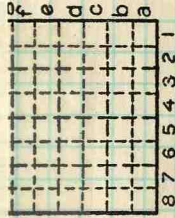
Name or No. \_\_\_\_\_

The Chicago-Carterville Coal Co.'s shaft at Herrin, Williamson county, has a seam about 9 feet in thickness and of superior quality; the depth of the shaft is 180 feet to the coal, the size of the shaft is  $9\frac{1}{2} \times 17$  feet in the clear, and is divided into three compartments, the two for hoisting are  $7 \times 9\frac{1}{2}$  feet each. The pipe way is  $2 \times 9\frac{1}{2}$  feet and all are timbered with cypress casing, the partition is of cypress buntons 6x18 inches; the head frame is of yellow pine, and is 75 feet high to the sheaves, which are 12x12 inches; all timbers are well braced 42 feet from the ground line to the dumping landing. The dumping shed is built of oak, with corrugated iron roof and sides, and is equipped with shaker screens for making lump, egg and other sizes of coal. The structure is so arranged that a breaker can be erected in the future without disturbing mining operations. The hoisting engine house is of brick 22x26 feet; the engine is of the Crawford & McCremmon manufacture, and is first motion, with double conical drum cylinders 20x36 inches; the drums are 6 feet at the ends and  $7\frac{1}{2}$  feet in the center. The sheaves are 7 feet in diameter; the capacity of each mine ear is  $2\frac{1}{2}$  tons. The boiler shed is 34x52 feet. There are five boilers, one is 16 feet by 42 inches, with thirty 3-inch flues; two are 20 feet by 60 inches, with 20 6-inch flues; the other two are 20 feet by 72 inches, with 26 inch flues; all are supplied with necessary connections and fittings. The powerhouse is a frame building, 30x46 feet, with metal sides and roof, and now contains a Morgan-Gardner 100 K. W. generator, also an Erie 150 horsepower automatic engine, with necessary connections and fittings for operating electric coal mining machines. The carpenter, blacksmith and machine shops are in one building, 25x90 feet, with all necessary machinery for doing all work and repairs.

*Sec 19 8S 2E*

*Coal Report 1900*

1 1 1 1 1 1



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County No. \_\_\_\_\_

Coal No.

Coal Report No. \_\_\_\_\_

Quad. \_\_\_\_\_

County \_\_\_\_\_

COAL MINE OPERATOR

