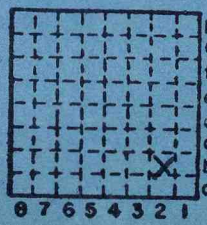


Mine index # ~~353~~ for No. 5 coal.) Part.
" " # 160 " " 6 ") B62

Skaggs C. C.
(Katonan C. Co., 2)

Co. # 441



Sec. 34
T. N.
8 S.
R. 2 E.
Index No. W.
0334 B2



Mine originally operated by: (1)

Date 1906 Watson C.C.

Original name or number: 2

Illinois Coal Report _____ p. _____

LATER OPERATORS

Date	Operator	Name or No.
2 1917	Ridge Coal (Mng.) Co.	2
3 1922	Sincerity C. C.	2
4 1928	Laclede C. (Mng.) Co. (Corp.)	
5 1929	Sincerity Bituminous C.C.	
6 1930	Skaggs C.C.	

7
8
9
10
11
12
13
14

Coal No. 5 (m.i. #353) mined after 1925.

Coal No. 6 (m.i. #160) " before 1925.

*Also owners

#See ownership sheet

Railroad, Wagon, Strip, Idle, Abandoned

1936

Shaft

IDENTIFICATION

County No. 441

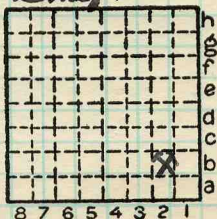
Coal No. _____

Coal Report No. _____

5 6

Quad. _____

County Williamson



Sec. 34

T. 8 N. S.

R. 2 E. W.

Index No. _____

COAL MINE OPERATOR

0334 82

Period				Tons	
Mo.	Day	Year	Mo.	Day	Year
		1906			
		7			8 000
		8			20 000
		9			51 100
		10			45 850
		11			37 000
		12			20 925
		13			66 230
		14			74 870
		15			84 057
		16			72 588
		17			54 584
		18			74 870
		19			131 682
		20			89 941
		19 21			85 857
		22			117 553
		23			180 038
		24			135 816
		25			123 429
		26			136 676
		27			49 994
		28			10 287
		29			115 285

↑
No. 6 coal
No. 5 coal
↓

SUMMARIES

No. to No.

Railroad, Wagon, Strip, Idle, Abandoned 1936

Sec. 34

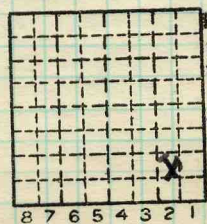
IDENTIFICATION

County No. 441 Coal No.

Coal Report No. 5 □ 6

Quad.

County Williamson



a
b
c
d
e
f
g
h
i
j

N. 8 S.
R. 2 E.
Index No.

0334 B3

COAL MINE—PRODUCTION

ILLINOIS GEOLOGICAL SURVEY, URBANA

Period				Tons	
Mo.	Day	Year	Mo.	Day	Year
		1930			
		1931			
		1932 - 1936			
					110 687
					6 154
				idle	

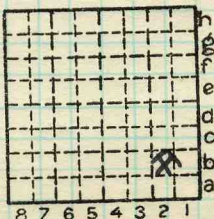
SUMMARIES

No. to No.

Railroad, Wagon, Strip, Idle, Abandoned 1936

IDENTIFICATION

County No. 441 Coal No. _____
 Coal Report No. _____ 5 □ 6
 Quad. _____
 County Williamson



Sec. 34

T. 8 N.
 S. _____
 R. 2 E.
 W. _____
 Index No.

0334

82





(Sheets)

COAL PRODUCTION

(Sheet)

Period						Tons		
Mo.	Day	Year	Mo.	Day	Year			
					1931		82	229
					32		63	298
					33		56	850
					34		34	156
					35		6	400

SUMMARIES

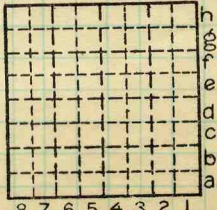
No.	to	No.	1918 - 1930	589	479
			1906 - 1930	1 377	758

Railroad, Wagon, Idle, Abandoned

IDENTIFICATION

County No. 441 Coal No.

Quad. W. Frankfort Part
County Williamson



Sec. 34

T. 8 S.
R. 2 E.
W.

Index No. 0334 b2



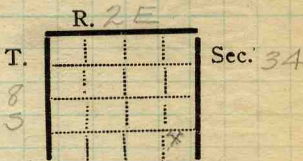
Town, *Herrin*
Local Authority,

Surface alt., *460* ft.
Depth to coal, *76'4"* ft.
Alt. top coal, *382'8"* ft.
Thickness: Av. *102* in.
Max. *118* in., Min. *90* in.

Level: Auth.,

Method, *Topog. map*

R. R., *M. P.*



Location: authority,

1200' W & 1200' N of SE corner of sec 34. (Show R. R.)

Operator

Mine Name or No.

1921 Ridge Coal Mining Co. now No. 2. old "Watson"

Successor to *W.H. Cheney - Gen'l. Supt. Marion*
Date *J.C. Wilson - Mine Mgr. Herrin.*

Succeeded by
Date

Succeeded by
Date

GEN'L COAL REPT **441**

PRODUCTION.

							U. S. No.
<i>1921</i>		<i>800</i>	<i>-1250</i>				
	<i>increased capacity anticipated</i>						
							<i>76.</i>
							<i>15</i>
							<i>74.6</i>

Geol. Notes? *yes*
Analyses No.

Coop. No.

Coal secs? *yes*

Examined by *Culver*

Ref.

Coal bed name: Local *Herrin*

Survey No. *6*

County *Williamson*

Index No. *0334.81*

K.-ACTIVE SHIPPING OR LOCAL COAL MINE. *duplicate*



Mine originally operated by: (1) **Watson Coal Co.**

Date
1906

Original name or number: **#2**
Illinois Coal Report **D.**

LATER OPERATORS

Date	Operator	Name or No.
2	Ridge Coal Mining Co.	Watson
3	Sincerity Coal Co.	Sincerity
4	²⁸ Laclede C. Co. 1930 Sincerity Bit. Coal Mg. Corp	#2
5	1932 Skaggs Coal Company	
6		
7		
8		
9		
10		
11		
12		
13		
14		

* Also owners #See ownership sheet

Railroad, Wagon, Idle, Abandoned
Coal Belt R.R.

SHIPPING MINE

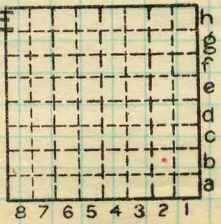
IDENTIFICATION **5&6**

County No. **441**

Coal No.

Quad. **W. Frankfort**

Part



Sec. **34**

T. **8** N. S.

R. **2** E. W.

Index No.

County **Williamson**

COAL MINE OPERATOR

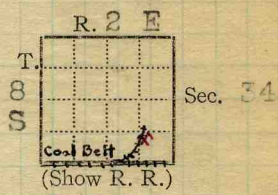
0334 b2

Town, **Herrin** *Marion* Surface alt., **470** ✓ ft.
 Local Authority, **764" HEC** Depth to coal, **67** 110 ✓ ft.
394 → Alt. top coal, **400** 360 ✓ ft.
 Level: Auth., **Cady; NB79-p32** Thickness: Av. **108** 102 in.
 Max. **118** in., Min. **90** in.

Method, **H.L.**

R.R., **Coal Belt**

Location: authority, **Cady; top.map**



Operator **GEN'L COAL REPT.** Mine Name or No.

#441

1906 Watson Coal Co.

No.2

Successor to

Date

Succeeded by

Date

Succeeded by

Date

Ridge Coal 'Mg Co. Watson
Sold (Coal Age May 12) Telegram from Co.
Sincerity Coal Co. Sincerity #2
1st Nat Bk, Bldg. E.M. Stollar, Receiver

PRODUCTION.

1906 Sincerity Bit. Coal Mg Corp		Fiscal	U. S. No.
1915	<i>Herrin etc</i>	84 057	925
1932	<i>Skaggo Coal Co</i>		<i>Or</i>
1924	<i>Ar. D city 1200T.</i>		
1927	<i>48 994</i>	<i>Now Mine Coal No 5</i>	
			<i>1930 #20</i>

Geol. Notes? **Brief** Coop. No.

Coal sec.? **No**

Analyses No. **12868-7-20**

Examined by

Ref.

Coal bed name: Local **SHIPPING MINE**

Survey No. **6**

County **Williamson**

Index No. **0334.71**

K. ACTIVE SHIPPING OR LOCAL COAL MINE.

Now in No 5

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 PT) _____ 458 ft.

By _____ Data sheet _____

DEPTH

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

ALTITUDE OF TOP OF COAL

By estimated data _____
 By instrumental data _____ ft.

Thickness

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

GEOLOGICAL DATA

Mine notes, date _____

Coop No. _____ Pyr. inv. _____ Coal Ash inv. _____

CHEMICAL DATA

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

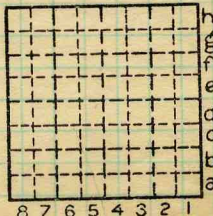
Misc. tests: Coking. _____ Cleaning _____ Boiler _____

Published descriptions:—

Railroad, Wagon, Idle, Abandoned

IDENTIFICATION

County No. **441** Coal No.
 Quad. **W. Frankfort** Part
 County **Williamson**



Sec. 34

T. 8 N.
 R. 2 S.
 W. E.

Index No.

0334 b2

COAL MINE LOCATION AND DATA



COAL MINE NOTES.

COUNTY *Williamson*

TOWN *3m. N.W. of Marion.* MAP No. *0034*

T. *85* R. *2E*

S. *34 SE SE.* *0334*

OPERATOR *Watson Coal Co.*

OFFICE *Marion*

MINE *#2*

TIPPLE

ENGINES *2nd motion.*

BOILERS

DRUM

SHAFT *7'x14' 2 compartments.* CAGE

HAULAGE

CARS *1 3/4 tons*

VENTILATION *12' Fan.*

DRAINAGE

SPRINKLING

WORKING SYSTEM

MINING METHODS

SIZE OF ENTRIES—MAIN *9'* CROSS *9'* ROOM *18'* NECK

SIZE OF PILLARS—MAIN *12'* CROSS *12'* ROOM *12'*

SHAFT CHAIN BARRIER

AMOUNT OF TIMBERING

SIZE

PROPORTION OF COAL UTILIZED *66% of coal mined.*

AMOUNT AND CHARACTER OF WASTE

ACREAGE OF COAL MINED

ACREAGE OF COAL REMAINING

PROPORTION OF MINE RUN AND SCREENED COAL

METHOD OF SIZING *Screen.*

RESCREENED

SIZES *1 1/2", 3", 5", 6".*

PER CENT

PROPORTION AND SIZE OF WASHED COAL

DAILY OUTPUT

UTILIZATION

MARKETS

FREIGHT RATES

SELLING PRICES AT MINE

0334

COAL LAND OWNED

LEASED

HELD IN FEE

COST OF LAND OWNED

LEASED

HELD IN FEE

ADDITIONAL NOTES

0034



0334

COAL MINE NOTES.
CONTINUED.

OPERATOR *Watson Coal Co.* MINE # *2*
 ENTRANCE *Shaft.* NAME OF COAL BED # *6*
 ELEVATION *470* THICKNESS OF COAL
 DEPTH TO FLOOR *70* MAX. MIN. AV. *108"*
 ALTITUDE OF COAL *400*
 LOCATION OF SECTION

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

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

SECTION	Feet

PHYSICAL PROPERTIES BY NUMBERS

ROOF *Slate 2' to 20' often poor.*
 FLOOR *Fire Clay 3'; Lst.*
 DIP *N.E. 30' to mile*

FAULTS, ETC.

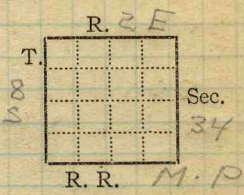
GAS

COLLECTOR *Leady*

REFERENCE *U.B. 79, P. 30+32* DATE

0234
0334

Mine Name or No., 2
5 1/2 mile NE from Marion
 Operator, 1911 Ridge Coal Mng. Co
W.H. Cheney - Supt.
 Operator, 1911 Marion



Entrance, shaft Elev., ft. $\left\{ \begin{array}{l} \text{above,} \\ \text{below,} \end{array} \right.$
 Depth to ~~bottom~~ coal, 76'4" ft. Alt.

SURFACE DATA.

- A. Topography, rolling - mouthful See
- B. Surficial materials. (1) Character, clay - loessial, possibly till below
 (2) Thickness, (3) Effect on mining and shaft-sinking, of former drainage lines, underground water strata, etc.

On East and N.E parts of the workings, now abandoned, falls went to the surface materials and caused sink holes on top. No reliable data as to character or amount of surface which fell in.

- 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.
Logs of drill holes on 4th NW entry and of one hole near air shaft 546 deep may be obtained. No log of shaft.

See drill record sheet,

E. Notes on surrounding area,

See

Coal bed name: Local, Herrin

Survey No. 6

Collector,

Mine, Ridge #2

Co. Williamson Index No. 0334-81

- F. Thickness of rock above bed worked, *36*
 (1) Important variations, *in thickness*
blk shale reptd at shaft. See *X 1*
 G. Note presence of strata having important effect on mining,
 See

- (1) Position, *to*
 (2) Character, *to*
 (3) Persistence,
 (4) Other workable coal beds,
 See

- H. Cap rock, *shale*
 (1) Thickness, *28 at shaft - thicker north*
 (2) Height above coal, *contact*
 See

- I. Immediate roof, *top coal*
 (1) Thickness, *18* (2) Contact with coal,
charcoal parting - even, loose
 (3) Horizontal variation, *none noted*
 See

- J. Draw slate. (1) Thickness, (2) Contacts
none
 (3) Persistence,
 See

- K. Coal bed: Max. *114* Min. *90* Av. *102* inches
 (1) Benches, *2*
 (a) Position, *top 15" - 18" with*
charcoal parting
 (b) Persistence, *over the whole mine*
 See

- (2) Bedded impurities, kind, position in benches, persistence, ease of separation. *shale blue band*
containing coal stringers - pieces of
shale bands 1/8 - 3/8 in upper part
of lower bench.
 See

- (3) Irregularities in continuity of bed (due to deposition, erosion, or movement),
a few slips See *X 1*
 (a) Effect on mining,
hinders slightly See *X 1*

SECTION				
Ft.	fn.	Name	Index	Sym.
30		shale		
9		shale		
28		shale		
76		coal		
8		shale		
28		shale H		
76		coal		
		shaly ls		

mining log
top connected from
log of hole near
shaft.

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

- (a) Relative hardness, *med hard - softer than top coal*
- (b) Lustre, *dull except for bright bands*
- (c) Fracture, *uneven cubic - no cleat noted*
- (d) Texture, See
- (6) Impurities in coal, other than bedded,
- (a) Kind, *pyrite*
- (b) Position and persistence, *in upper coal filling joints*
apparently everywhere
- (c) Rejected, *probably not* Ease of separation, See

L. Floor? (1) Material, *Floor clay*(2) Thickness, *18"-24"*(3) Variation, *only in thickness*

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

*gray, plant remains near top where clay is
 full with carbonaceous matter - dry, but
 plastic when wet - reptd not to heave*

See

(5) Clay sample No.

Location,

M. Stratigraphy,

(1) Fossiliferous horizons underground, *none seen*Collection No.Location,

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

*one hole on Main North - ca. 1/2 mile North
 of shaft - lit in water in moderate amount -
 no fall*

SeeCollector, *Netzeband*Coal: Survey No. 6 Mine, *Ridge # 2*Co. *Williamson*Index No. *0334.81*

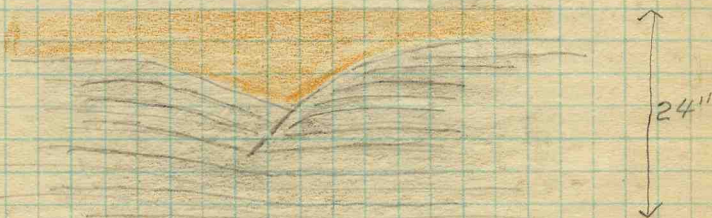
F

The north dip of the coal gives greater thickness of the coal to the north - The 66 foot depth to the coal at the shaft as increased by at least forty feet at the drill hole, which is 1550' N. and 500' W. This gives about 75 feet to the mile. Little change in thickness of the shale east or west.

A black shale is rptd to overlie the shale at the shaft - Its nature is not known, may be a shale normally that far above the coal or may be post-medianbar in age. Should be studied.

K
3

Several slips were noted. These are small in displacement at least vertically and probably horizontally. In no place does a slip involve the entire thickness of coal. Where examined the slips appear to be of the "V" shape type as sketched diagrammatically here with:



The four seen showed a N by W trend. Other slips were noted on the Main west near the main north. These showed in the roof and are rptd to penetrate the floor clay but to show less displacement there. They are of the regular trending type of slip and as shown in the roof have a 6" to 12" throw - trending N by W, east side down, have about 15°

These slips hinder mining the changing road grades needed, breaking roof and reducing the thickness of coal. Because they are not numerous nor of large

K3
cont.

displacement the trouble is not serious. In one place east off the main north the slip has made necessary the closing of one room - the coal being taken from either side instead.

3 Holes on 4th NW.

540' II near air shaft.

412 near hoist shaft.

8± Test holes. on E, N-NW.

;

Operator, *Ridge Coal Mng Co*

Date *7/2*

Mine, *No 2*

Sec. *34* T. *8S* R. *2E*

Located, *5* miles from *Marion*

Location in mine, *Face of 5th E off Back North*

GRAPHIC SECTION		DESCRIPTION OF SECTION (AT POINT SAMPLED)			
In.	top	No.	No.	(Note character and thickness of roof)	Inches
		1	1	Coal-stringers of pyrite	9
			2	charcoal	<i>3/8</i>
<i>3/8</i>	—	2	3	Coal	<i>14 5/8</i>
			4	charcoal	<i>1/8</i>
			5	coal	<i>20 4/8</i>
<i>14 4/8</i>	•	3	6	shale	<i>4/8</i>
			7	coal	<i>15 4/8</i>
<i>1/8</i>	—	4	8	shale, mixt with coal-BB	<i>1</i>
			9	coal	<i>22</i>
		5	10	floor clay - carb. dk gray	<i>8 3/8</i>
<i>20 4/8</i>				<i>83 4/8</i>	
				<i>18" top coal left up for roof</i>	
<i>7/8</i>	—	6		<i>1600' N and 400' E of shaft</i>	
<i>15 4/8</i>		7			
<i>1</i>	—	8		(Note character and thickness of floor)	
				Total thickness of coal.	<i>101 1/2</i>
<i>22</i>		9		Condition, <i>as mined</i> Time, hr. min.	
				Wt. Gross, <i>20 lbs.</i> Net, lbs.	
				What Nos. shipped by Co.?	
		10		Excluded from sample: No. <i>6, 8</i>	
				Sample represents <i>82</i> in. tons.	
				Impurities? How do they occur? <i>pyrite joint fillings</i>	
				<i>in upper part of bed - shale blue band</i>	

Sample No. *W-21-45* Can No. Lab. No. *12868*

Collector, *Netzeband* Coal: Survey No. *6*

Mine, *Ridge #2* Co. *Williamson* Index No. *0334.81*

Operator, *Ridge Coal Mng Co*
 Mine, *No. 2*
 Located, *5* miles from *Marion*
 Location in mine, *Face of Main North*

Date *7/2-27*
 Sec. *34* T. *8S* R. *2E*

GRAPHIC SECTION DESCRIPTION OF SECTION (AT POINT SAMPLED)

In.	No.	No.	(Note character and thickness of roof)	Inches
		1	coal joint fillings of pyrite	12
12	1	2	charcoal	1
		3	coal	14
1	2	4	charcoal	$\frac{1}{8}$
		5	coal	35 $\frac{4}{8}$
		6	shale and coal - BB	2 $\frac{0}{8}$
14	3	7	coal	20
		8	floor clay - soft	84 $\frac{5}{8}$
$\frac{1}{8}$	4	9		
		10		
			Tape 84 $\frac{1}{8}$	
			18" top coal left for roof	
35 $\frac{4}{8}$	5			
			2750' N and 550' W of shaft	
2	6			
			(Note character and thickness of floor)	
			Total thickness of coal.	102 $\frac{1}{4}$
20	7			
			Condition, <i>as mined</i>	Time, hr. min.
			Wt. Gross, <i>25</i> lbs.	Net, lbs.
			What Nos. shipped by Co.?	
	8			
			Excluded from sample: No. <i>6</i>	
			Sample represents <i>82 $\frac{1}{4}$</i> in.	tons.
			Impurities? How do they occur?	

Sample No. *W-21-46* Can No. Lab. No. *12869*
 Collector, *Ketzeland* Coal: Survey No. *6*
 Mine, *Ridge #2* Co. *Williamson* Index No. *0334-81*
 R.—COAL SAMPLE SHEET.

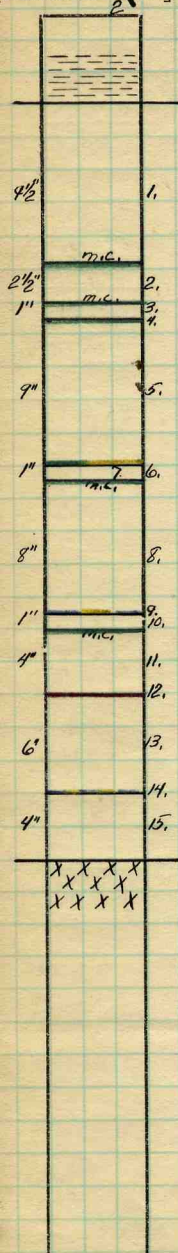
Operator, *Ridge Coal Mng Co*
 Mine, *No 2*
 Located, *5* miles from *Marion*
 Location in mine, *Face of Main West*

Date *7/2/1921*
 Sec. *34* T. *8 S* R. *2 E*
3/8 mi W of shaft

GRAPHIC SECTION		DESCRIPTION OF SECTION (AT POINT SAMPLED)		
In.	No.	No.	(Note character and thickness of roof)	Inches
28	:	1	18" top coal-left for roof - 1/4" shale parting	28 1/8
			1 coal pyrite vert. strm	15 6/8
			2 charcoal	4/8
			3 coal	1.4 4/8
			4 pyrite	6/8
			5 coal	2.1 2/8
			6 shale + coal - BB	8 0 3/8
			7 coal	
1/8	2	8 Floor clay		
15 6/8	3	Tape 80 inches		
4/8	4	2000' W + 1600' N of shaft.		
14 4/8	5			
4/8	6			
(Note character and thickness of floor)				
Total thickness of coal.				98
21 3/8	7	Condition, <i>as mined</i>	Time, hr. min.	
		Wt. Gross, 20 lbs.	Net, lbs.	
		What Nos. shipped by Co.?		
Excluded from sample: No. <i>4-6-</i>				
Sample represents <i>78 3/4</i> in.		tons.		
Impurities? How do they occur?				

Sample No. *W-21-47* Can No. _____ Lab. No. *12870*
 Collector, *Natzband* Coal: Survey No. *6*
 Mine, *Ridge #2* Co. *Williamson* Index No. *0334-81*
 R.—COAL SAMPLE SHEET.

1 division = 2 in.]



Roof - hard slate

1.	Coal	-	90 %	9	1/2
2.	"	-	80 %	2	1/2
3.	"	-	80 %	1	-
4.	Hard M.C. lens				1/4
5.	Coal	-	80 %	9	-
6.	Pyritic M.C.				1/8
7.	Coal	-	80 %	1	-
8.	"	-	90 %	8	-
9.	Shale, containing sulphur balls				1/8
10.	Coal	-	90 %	1	-
11.	Coal	-	60 %	4	-
12.	Bone				1/8
13.	Coal	-	70 %	6	-
14.	Pyritic shale				1/8
15.	Coal	-	50 %	4	-

Floor - soft gray fire clay

Tape - 46 in.

1 division = 2 in.]



Roof - black shale,
containing concretions
shaly coal - 1 in.

1.	Coal	- 60 %	3	-
2.	"	- 60 %	1	1/2
3.	"	- 50 %	4	-
4.	"	- 50 %	1	-
5.	"	- 60 %	4	-
6.	M.C.,	widens to 1/4	-	-
7.	Coal	- 50 %	1	1/2
8.	"	- 50 %	1	1/2
9.	"	- 50 %	3	-
10.	"	- 70 %	3	1/2
11.	"	- 40 %	5	-
diagonal pyrite veinlets in zone 1 in. wide				
12.	Coal	- 50 %	2	1/2
13.	"	- 50 %	2	1/2
14.	"	- 50 %	3	1/2
15.	M.C.,	1/4 - 1/2"	1	1/2
16.	Coal	- 60 %	1	-
17.	Pyrite lens,			1/8
18.	Coal	- 60 %	4	-
19.	M.C.,	persistent		3/4
20.	Coal	- 50 %	5	-

Floor - soft gray fire clay
often with concretions

Tape - 48 in.

Collector.

Mine. Laclede Co.

Coal: Survey No.

Index No. Z29 - 2

Symbol **Z - 30**

Description

Inches

1 division = $\frac{1}{8}$ in.

Symbol	Description	Inches
	Roof - dark gray slate draw slate - 3 in.	
1 1/2"	1. Coal - 20 %	1 1/2
3"	2. Slate, persistent	1 1/8
3"	3. Coal - 90 %	3 -
	4. " - 60 %	3 -
6"	5. " - 60 %	6 -
	6. M.C. and clay	1/8
	7. Coal - 50 %	6 1/2
	8. " - 60 %	2 1/2
6 1/2"	9. " - 50 %	1 -
	10. " - 60 %	4 -
	11. Pyrite lens	1/8
2 1/2"	12. Coal - 50 %	1 -
1"	13. " - 70 %	5 -
4"	14. " - 70 %	3 -
1"	15. Pyrite	1/8
5"	16. Coal - 60 %	6 -
	17. " - 60 %	2 -
3"		
6"	Floor - soft gray fire clay	
2"	Tape - 45 in.	

Collector.

Mine. **Laclede** Co.

Q.—COAL SECTION SHEET.

Coal: Survey No.

Index No. **Z30 - 3**



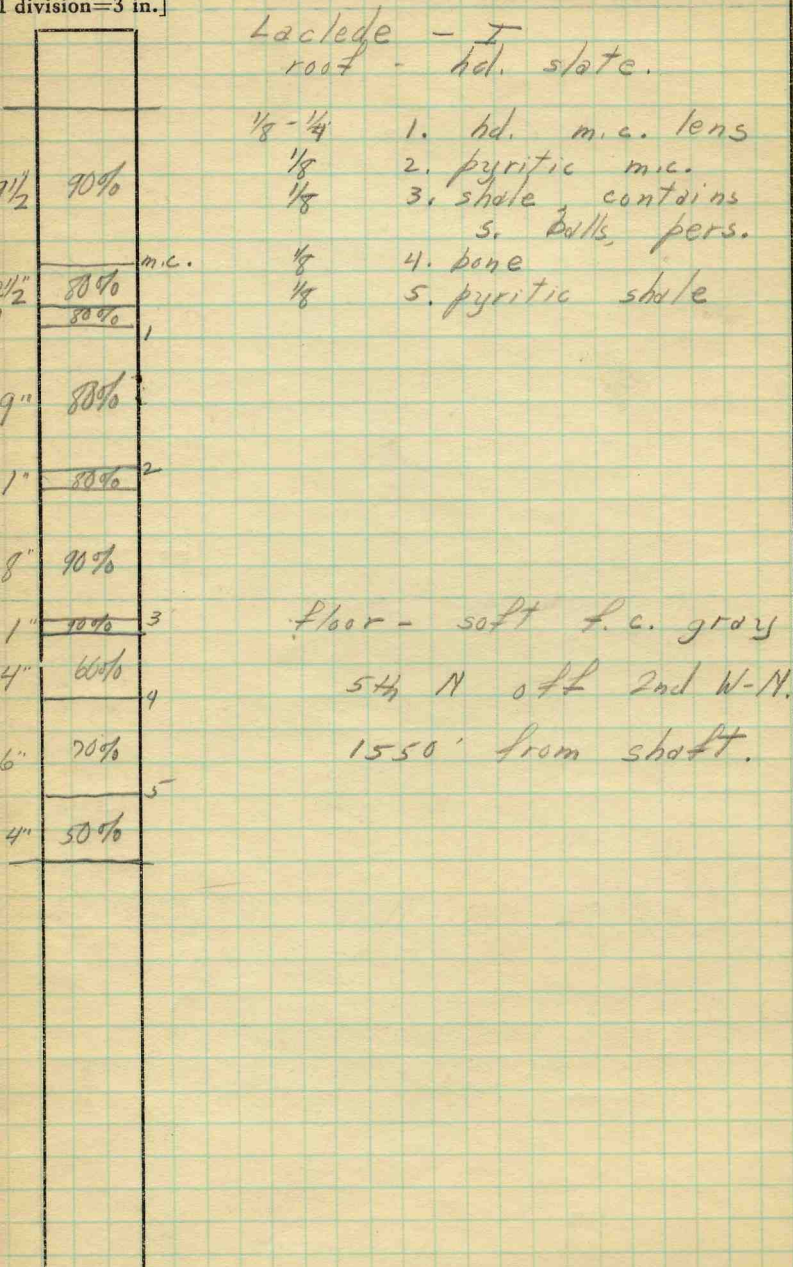
Symbol

Z-28

Description

Inches

1 division = 3 in.]



- 1/8 - 1/4
1. hd. m.c. lens
 2. pyritic m.c.
 3. shale, contains
s. balls, pers.
 4. bone
 5. pyritic shale

Collector.

Mine. Laclede Co.


Q.—COAL SECTION SHEET.

Coal: Survey No.

Index No. Z28-1

Symbol **Z-29** Description Inches

[1 division = 3 in.]

Symbol	Description	Inches
	Lackde - II	
	roof - black shale with concretions.	
1"	shaly coal	
3"	60%	
1 1/2"	60% m.c.	1/4 - 1/2 - 1. m.c. pers.
4"	50% m.c.	0 - 1/8 - 2. S ₂ lens
1"	50% m.c.	3/4 - 3. m.c. pers.
4"	60%	
1 1/2"	50% m.c.	> 1/4"
1 1/2"	50% m.c.	
3"	50% m.c.	
3 1/2"	70% m.c.	
5"	40% 	Sulphur diagonal veinlets -
2 1/2"	50% m.c.	
2 1/2"	50% m.c.	
3 1/2"	50%	
1"	60%	1.
4"	60%	2.
5"	50%	3.
	floor - soft gray f.c.	
	often containing concretions -	
	room 4, 1st E - N	
	1200' from shaft	

Collector.

Mine. Lackde Co.

Q.-COAL SECTION SHEET.

Coal: Survey No.

Index No. Z-29-2



Symbol **Z-30** Description Inches

1 division = 3 in.

				<i>Laclede - III</i>
				<i>roof - dk. gray slate</i>
				<i>3" - draw slate.</i>
<i>1 1/2"</i>	<i>20%</i>	<i>shaly coal</i>	<i>1/16"</i>	<i>1. slate, pers.</i>
<i>3"</i>	<i>90%</i>	<i>m.c.</i>	<i>0-1/8"</i>	<i>2. m.c. & clay.</i>
<i>3"</i>	<i>60%</i>	<i>bone</i>	<i>0-1/8"</i>	<i>3. S lens.</i>
			<i>1/8"</i>	<i>4. Sulphur</i>
<i>6"</i>				
				<i>2</i>
<i>6 1/2"</i>	<i>50%</i>			
		<i>m.c.</i>		
<i>2 1/2"</i>	<i>60%</i>			
<i>1"</i>	<i>50%</i>	<i>m.c.</i>		
		<i>m.c.</i>		
<i>4"</i>	<i>60%</i>			
<i>1"</i>	<i>80%</i>	<i>S₂</i>		
<i>5"</i>	<i>70%</i>			
<i>3"</i>	<i>70%</i>			<i>4</i>
<i>6"</i>	<i>60%</i>			
		<i>m.c.</i>		
<i>2"</i>	<i>60%</i>			

floor - soft gray f.c.
5th S off 4th W-S,
1500' from shaft.