



268

FORM 180

Peabody 47.
Hawco #1

SS

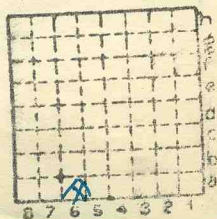
552.

mi. # 124

Mine Index

R F

SPRINGFIELD



Sec. 27

T.	8	N.
		S.
R.	5	E.
		W.
Index No.		



Mine originally operated by: (1)

Date Harrisburg Colliery Co.
1916

Original name or number: #1

Illinois Coal Report 1916 p. Morgan

LATER OPERATORS

Date	Operator	Name or No.
2 1920	Harrisburg Colliery Co.	#1
3 1923	Saline County Coal Corp.	#7
4 1929	Peabody Coal Co.	#47
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		

HARCO

200' N 500' W of SE corner SE SW (1948) ¹⁹⁴⁶ ok

* Also owners #See ownership sheet

Railroad, Wagon, Idle, Abandoned Shaft

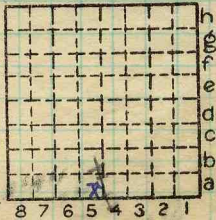
C.C.C. & St. L.

IDENTIFICATION

9-5 County No. 552 Coal No. 5

Quad. Galatia Part

County Saline



Sec. 27

T. 8 S.

R. 5 W.

Index No.

0427 a5

COAL MINE OPERATOR



(Sheets) COAL PRODUCTION (Sheet)

No.	Period						Tons	
	Mo.	Day	Year	Mo.	Day	Year		
						1935		
5	1	1	1936	12	31	1936	634	550
5	1	1	1937	12	31	1937	675	469
S-5	1	1	1938	12	31	1938	455	320
						1939	551	957
						1940	571	784
S-5	1	1	1941	12	31	1941	574	376
S-5	1	1	1942	12	31	1942	942	446
						1943	1	005 501
						1944	1	077 412
						1945	1	023 645
						1946		811 285
						1947		927 057
						1948		792 806
						49		630 395
						50		694 511
						51.		162 881

#2

94-20
634 550
10 115 072
93,067
10022009

SUMMARIES

No.	to	No.		
1916		1935	9	480 522
			10	115 072

Railroad, Wagon, Idle, Abandoned

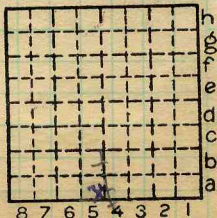
S-5

IDENTIFICATION

County No. 552 Coal No. 5

Quad. Galatia Part

County Saline



Sec. 27

T. 8 N. S.

R. 5 E. W.

Index No. 0427 a5

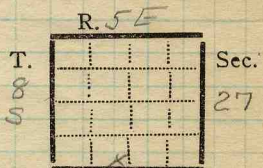
COAL MINE—PRODUCTION



Town, *Harco*
 Local Authority, *Marion - Supt.*
 Level: Auth., *Bull 19 Coop*
 Method,

Surface alt., *521* ft.
 Depth to coal, *416* ft.
 Alt. top coal, *5* ft.
 Thickness: Av. *68* in.
 Max. *96* in., Min. *59* in.

R. R.,



Location: authority, *Mine Map*
2400' S of center of Sec 27
400' W

(Show R. R.)
 Mine Name or No.

Operator
Saline Co Coals Corp

Harco
or No 7

Successor to
 Date
 Succeeded by
 Date
 Succeeded by
 Date

2/5/20
2/2/20

PRODUCTION.

								U. S. No.
19								

Geol. Notes? Coop. No. Coal secs?
 Analyses No.
 Examined by *R.C.C.* Ref.

Coal bed name: Local *Harrisburg* Survey No. *5*
 County *Saline* Index No. *0427.40*

K.—ACTIVE SHIPPING OR LOCAL COAL MINE.

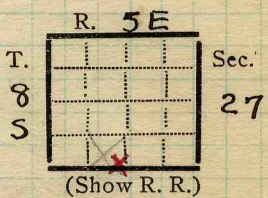


Town, Harrisburg
Local Authority, Harco

Surface alt., ft.
Depth to coal, ft.
Alt. top coal, ft.
Thickness: Av. in.
Max. in., Min. in.

Level: Auth.,
Method,

R. R., C.C.C. + St. L.



Location: authority,

Operator _____ Mine Name or No. _____

1921 Harrisburg Colliery Co.

Harco

Successor to

Purchased _____ Date _____
 Succeeded by C. E. Karstrom (To retain name) Harrisburg Colliery Co.
 Date March 1924
 Succeeded by Saline Co. Coal Corp. No. 7.
 Date 1925 (Coal Catalog)

307 N. Michigan Ave. PRODUCTION.

Year	Daily Capacity	Production	U. S. No.
1926	<u>Daily capacity</u>	<u>4000-4500 Tons.</u>	<u>No. 47</u>
1927	<u>451</u>	<u>962</u>	
1928			

Geol. Notes? _____ Coop. No. _____ Coal secs? _____

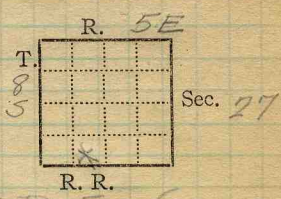
Analyses No. 12731-2-3

Examined by _____ Ref. _____

Coal bed name: Local _____ Survey No. _____
County Saline Index No. 0427.40

K.-ACTIVE SHIPPING OR LOCAL COAL MINE.

Mine Name or No., *Harco No. 1*
 at *1* mile from *Harco*
 Operator, 19*21*
Harrisburg Collieries Co.
 Operator, 191



Entrance, *Shaft* Elev., *423* ft. *above, sea level Big Four (C.C.C. & S.L.)*
 Depth to bottom coal, *420* ft. Alt. *3'*

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*

- 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. *5*

Collector, *Wilson*

Mine, *Harco #1* Co. *Saline*

Index No. *0427.30*



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

- (a) Relative hardness, *Whole seam very hard.*
- (b) Lustre, *Bright to glaucous*
- (c) Fracture, *Clear*
- (d) Texture, *Laminated.* See X 1
- (6) Impurities in coal, other than bedded,
- (a) Kind, *FeS₂ stringers & lenses.*
- (b) Position and persistence, *Middle & top of seam.*
- (c) Rejected, Ease of separation, See

L. Floor: (1) Material, *Shale*

- (2) Thickness, *2-3'*
- (3) Variation,

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

*This shale is hard and heaves but little
It is underlain by a hard limestone*

See

- (5) Clay sample No. Location,

M. Stratigraphy,

- (1) Fossiliferous horizons underground,

The roof shale contains many plant fossils.

- Collection No. Location,

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

See

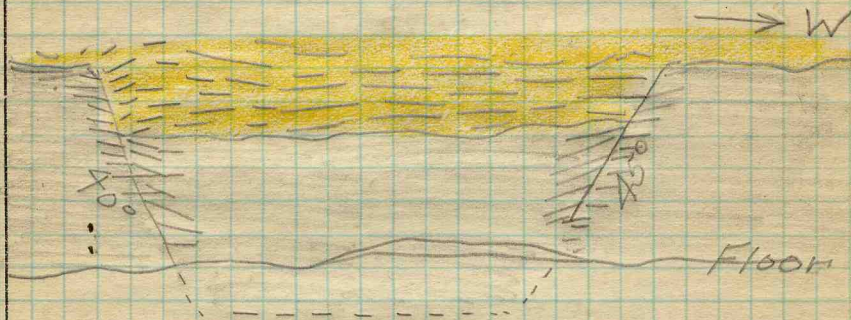
Collector, *Wilson*Mine, *Harco # 1*Co. *Saline*Coal: Survey No. *5* Index No. *0427.30*



INDEX

(36713-500-7-20)

X3 Location 1st W. off the Main S., 30' beyond the Mouth of the 10th N.



Fault Trends Approx. N.S.
Sketch on S. wall of entry. Shale at contact of fault plane in left hand side of sketch is well shattered. Coal is very little disturbed.

Scale, Approx: 1 Div = 1 foot.
This fault runs out in a few feet. It was rept'd to be as large a fault as there was in the mine.

X5c Cleat: At face of 9th. N. off 1st. W. off Main S. Face is N 30° E, Butt not developed.
At face of 3rd & 4th E. off Main S. Face is N 32° E.
At face of 5th & 6th N. of 4th E off the Main N. Face N 32° E

Collector Wilson

X- 1

EXTRA NO 1

Index No.

0427.30

County

Saline



INDEX

(36713-500-7-20)

G8
I The roof shale has a loose & regular contact with the coal. It is persistent and usually makes a very good top except during the hot season when the shale "sweats" and slabs off producing many falls.

Collector *Wilson*

X- 2

Index No. *042730*EXTRA NO. *2* County*Saline*

Operator, *Harrisburg Collieries Co* Date *July 13, 1921*
 Mine, *Harco* Sec. *27* T. *85* R. *5E*
 Located, *Ht* miles from *Harco*
 Location in mine, *9th N off 1st W off Main S.*

GRAPHIC SECTION		DESCRIPTION OF SECTION (AT POINT SAMPLED)		
In.	No.	No.	(Note character and thickness of roof)	Inches
<i>6 1/2</i>	<i>1</i>		<i>Black shale</i>	
<i>3/8</i>	<i>2</i>			
<i>9/4</i>	<i>3</i>	<i>1.</i>	<i>Coal</i>	<i>6 1/2</i>
<i>1/4</i>	<i>4</i>	<i>2.</i>	<i>Clay</i>	<i>3/8</i>
		<i>3.</i>	<i>Coal</i>	<i>9/4</i>
		<i>4.</i>	<i>Charcoal</i>	<i>1/4</i>
		<i>5.</i>	<i>Coal</i>	<i>26 1/4</i>
<i>26 1/4</i>	<i>5</i>	<i>6.</i>	<i>Charcoal</i>	<i>1/4</i>
		<i>7.</i>	<i>Coal</i>	<i>5 1/4</i>
<i>1/4</i>	<i>6</i>	<i>8.</i>	<i>Charcoal</i>	<i>21 1/4</i>
<i>1/4</i>	<i>7</i>	<i>9.</i>	<i>Coal</i>	
			<i>Tape 69 1/2</i>	<i>69 3/8</i>
<i>21 1/4</i>	<i>9</i>			

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

Condition, *As mined.* Time, hr. min.
 Wt. Gross, *35* lbs. Net, lbs.
 What Nos. shipped by Co.?

Excluded from sample: No. *2.*
 Sample represents *69 1/8* in. tons.
 Impurities? How do they occur?

Sample No. *1* Can No. *N-21-83* Lab. No. *12931*

Collector, *Netzeband* Coal: Survey No. *5*
 Mine, *Harco #1* Co. *Saline* Index No. *042730*

Operator, *Harrisburg Colliery Co.* Date *July 13, 1921*
 Mine, *Harco* Sec. *27 T. 8 S R. 5 E*
 Located, *7 1/2* miles from *Harco*
 Location in mine, *5th N off 4th E off Main N.*

GRAPHIC SECTION		DESCRIPTION OF SECTION (AT POINT SAMPLED)		
In.	No.	No.	(Note character and thickness of roof)	Inches
			<i>Shale roof</i>	
<i>13</i>	<i>1</i>	<i>1</i>	<i>Coal</i>	<i>13</i>
<i>1 3/4</i>	<i>2</i>	<i>2</i>	<i>Shale, pyrite + coal</i>	<i>1 3/4</i>
<i>9</i>	<i>3</i>	<i>3</i>	<i>Coal</i>	<i>9</i>
<i>1</i>	<i>4</i>	<i>4</i>	<i>Clay mixture</i>	<i>1</i>
		<i>5</i>	<i>Coal</i>	<i>12 1/4</i>
<i>12 1/4</i>	<i>5</i>	<i>6</i>	<i>Charcoal</i>	<i>1/8</i>
<i>1/8</i>	<i>6</i>	<i>7</i>	<i>Coal</i>	<i>22 3/4</i>
		<i>8</i>	<i>Floor clay</i>	
			<i>Total</i>	<i>69 1/8</i>
<i>22 3/4</i>	<i>7</i>		<i>Tape 60</i>	
(Note character and thickness of floor)				
Total thickness of coal.				
Condition, <i>As mined</i>		Time,	hr.	min.
Wt. Gross, <i>20</i> lbs.		Net,	lbs.	
What Nos. shipped by Co.?				
Excluded from sample: No. <i>None</i>				
Sample represents <i>60</i> in. tons.				
Impurities? How do they occur?				

Sample No. _____ Can No. *N-21-85* Lab. No. *12933*
 Collector, *Netzaband* Coal: Survey No. *5*
 Mine, *Harco #1* Co. *Saline* Index No. *042730*
 R.—COAL SAMPLE SHEET.

Operator, *Harrisburg Collieries Co* Date *July 13, 1931*
 Mine, *Harco* Sec. *27 T. 85 R. 5E*
 Located, *7 1/2* miles from *Harco*
 Location in mine, *Crosscut off 3rd E off Main 5.*

GRAPHIC SECTION		DESCRIPTION OF SECTION (AT POINT SAMPLED)		
In.	No.	No.	(Note character and thickness of roof)	Inches
			<i>Black shale</i>	
<i>26 3/4</i>	<i>1</i>	<i>1</i>	<i>Coal</i>	<i>26 3/4</i>
		<i>2</i>	<i>Charcoal</i>	<i>3/2</i>
		<i>3</i>	<i>Coal</i>	<i>2 3/4</i>
		<i>4</i>	<i>Charcoal</i>	<i>1/4</i>
		<i>5</i>	<i>Coal</i>	<i>3 3/4</i>
<i>3/8</i>	<i>2</i>	<i>6</i>	<i>Charcoal</i>	<i>1/2</i>
<i>1/4</i>	<i>3</i>	<i>7</i>	<i>Coal</i>	<i>6 1/4</i>
<i>3 3/4</i>	<i>5</i>	<i>8</i>	<i>Charcoal</i>	<i>1/2</i>
<i>6 1/4</i>	<i>7</i>	<i>9</i>	<i>Coal</i>	<i>28 3/4</i>
<i>1/8</i>	<i>8</i>			
			<i>Tape 70 3/4</i>	<i>6 1/2</i>
<i>28 3/4</i>	<i>9</i>			
			(Note character and thickness of floor)	
			Total thickness of coal.	
Condition, <i>As mined</i>		Time,	hr.	min.
Wt. Gross, <i>25</i> lbs.		Net,	lbs.	
What Nos. shipped by Co.?				
Excluded from sample: No. <i>None</i>				
Sample represents <i>70 3/4</i> in. tons.				
Impurities? How do they occur?				

Sample No. *26* Can No. *N-21-84* Lab. No. *12932*
 Collector, *Natzband* Coal: Survey No. *5*
 Mine, *Harco #1* Co. *Saline* Index No. *04 27.30*
 R.—COAL SAMPLE SHEET.



See
Extra
Sheet
No.

Entrance *shaft*
 Kind of tippel *steel*
 Motive power for hoist *steam*
 Source if electrical
 Kind of hoist (cage, skip, etc.) *cage*
 Kind of haulage *motor*
 Mining equipment
 Note any features of the equipment that are of special interest

SURFACE DATA.

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

C. Outcrops, (1) Character, *ss in upper levels of hills*
 (2) Structure,
 (3) Fossil horizons,
 Collection No.,
 (4) Evidences of subsidence,
 D. Note collection of mine maps, drill records and shaft logs.

See drill record sheet,

E. Notes on surrounding area,

Coal bed name: Local, *Harrisburg*
 Collector, *HCC*
 Mine, *Harco*

Survey No.

Co. *Saline*

Index No. *0927.40*



259693

K. (5) Physical character of Coal,

(a) Relative hardness, *all about the same*

(b) Lustre,

(c) Fracture,

(d) Texture,

See

(6) Impurities in coal, other than bedded, kind, position, persistence, ease of separation, etc.

*sulfur balls and lenses -
some sulfur facings, but more of gypsum*

See

L. Floor: (1) Material,

(2) Thickness,

(3) Variation,

shale, mixed gray - not soft -

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

*Hard, usually dry, little heaving, altho
ribs spall off some (with vertical pressure -
Clay is used for undercutting except where
the "black jack" is present.*

See

(5) Clay sample No.

Location,

M. Stratigraphy,

(1) Fossiliferous horizons underground,

roof shales, especially on 3rd & 4th E, North

Collection No.

Location,

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

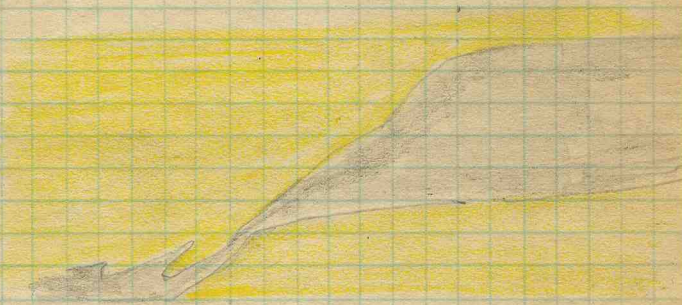
See

Collector, *HSC*Cola: Survey No. Mine, *Harco*Co. *Saline*Index No. *0427.40*



INDEX

Fault on mt + 2nd West - Looking South
Up on West -



Sketch shows only the west end of the
fault. Scale, 1 div. = ca 1 foot.

Collector HEC

Mine Harco

Co. Saline

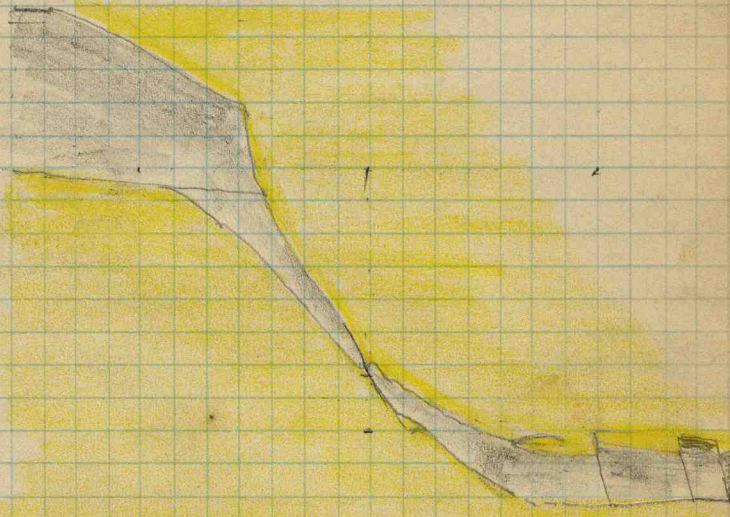
Coal: Survey No.

Index No. 042740

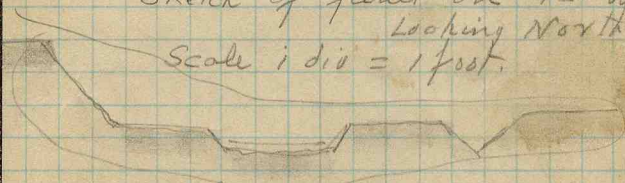
X.—EXTRA SHEET No. 1



INDEX



Sketch of fault on 4th West, South.
Looking North.
Scale 1 div = 1 foot.



This shows the major fracture, on the west - with some of the lesser faults to the east. Several more, similar, breaks, bring the coal nearly back to the level of the west.



Symbol	Description	Inches
(1 division=3 in.)		<i>and gths</i>
	cap shale - roof shale - comes with coal Coal	
	- Pyrite lens Coal	15 6
	- charcoal ptg. Coal	5
	- pyrite band - (lens shape) Coal	1
	- charcoal ptg. Coal	16-4 -4 16
	- charcoal ptg.	-2 8-6
	Section along 12 th E, South -	68-0

Collector, HEC

Mine, Harco

Co, Saline

Coal: Survey No.

Index No. 0427-40



Symbol Description Inches

(1 division=3 in.)



roof shale -
Coal, essentially a single bed,
except for a few discontinuous
charcoal ptgs, and pyrite lenses,

61

"blake jack, bone, shale, charcoal
and thin coal bands

12

Section on 13th N, 1st E, South

Collector, HEC

Mine, Harco

Co. Saline

Coal: Survey No.

Index No. 0427.40



INDEX

H
and
I

Roof is variable over this mine.
On west it is fairly uniform, yielding
smooth surfaces for hundreds of feet
above entry, the drum shale having
come down.

On the east side, no such shale is common
and the roof shale is very irregular.
In places it falls for 15 or more feet
altho not fractured visibly.

In places, both east and west, but esp. in
East, the upper part of the coal is
spotted with lenses of roof shale, thus:



These are in places abdt, repeated several
times in one place, as:



These occur on almost any scale,
measured in inches or meters.

Collector HEC

Mine Harco

Co.

Saline

Coal: Survey No.

Index No. 0427-70

INDEX

K3

On 1st and 2nd E, South, rooms, on south show a shale split coming in ca. 30" \pm from the bottom.

This is in coal that is nearly 96" thick - , reduced by this split to ca 54"

This may be related to the "big fault" as mapped by Cady. It closely resembles that of the "Bluebird mine".

Collector HEC

Mine Harco

Co. Saline

Coal: Survey No.

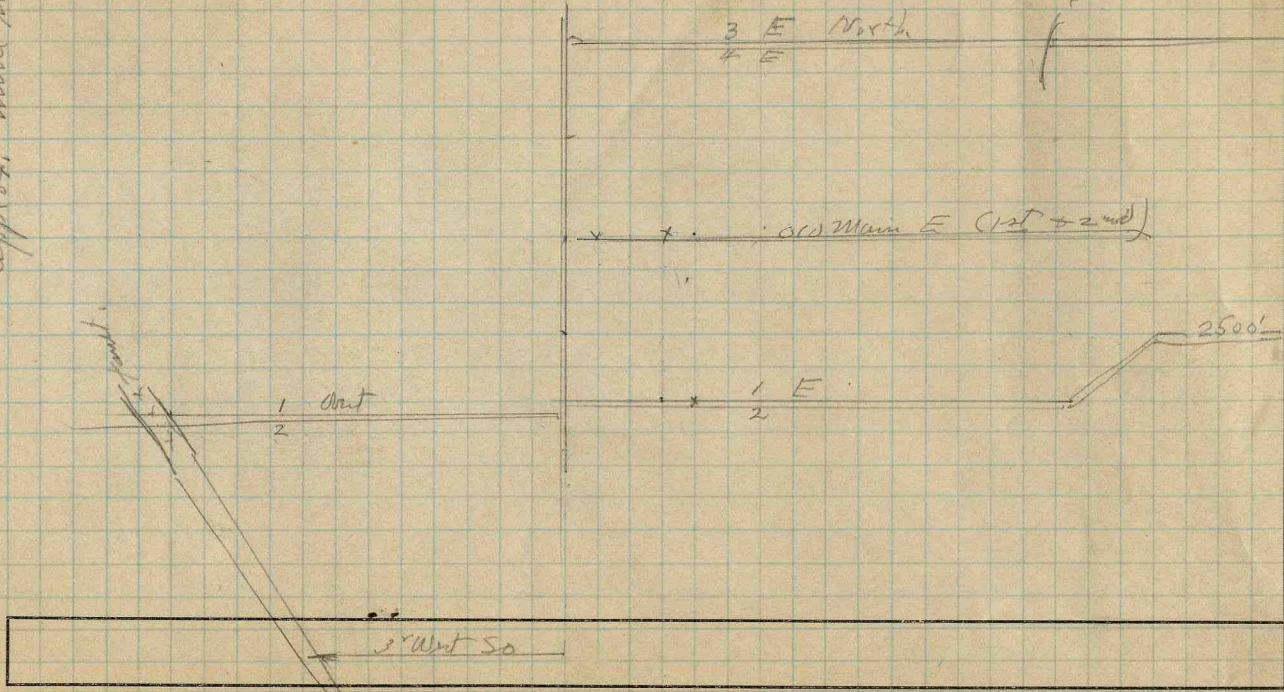
Index No. 0427.90

X.—EXTRA SHEET No. 4



INDEX

approx. mine map.



Collector

Mine *Hank*

Co.

X-EXTRA SHEET No. 5

Coal: Survey No.

Index No.





Janet Harco

SE cor 28 - Janet 1640' W. (140')

Cross ~~NEW~~ Cent S 1/2

SE cor 28 1870' S (200')

~~SE~~ Cent 34 2200' S

Debe 26 Harco

Cent 26 1150' W - 20'

Cent 26 1530 S

SE cor 26 1710 W. - SE end.

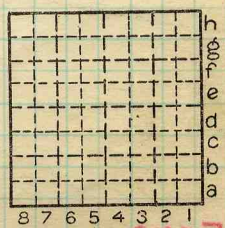
NW cor 26 { 590 E } NW end
 { 1420 S }

GHC

Date July 25/1928 T..... R.....

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

County Saline Index No.....



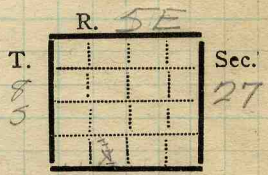


Town, *Harco*
Local Authority,
J.W. Luther, Safety Inspector
Level: Auth.,

Surface alt., *423* ft.
Depth to coal, *420* ft.
Alt. top coal, *3* ft.
Thickness: Av. *12* in.
Max. *90* in., Min. *60* in.

Method, *Topog. map.*

R. R., *Big Four*



Location: authority,
Mine Map

Operator _____ Mine Name or No. _____

1921 *Harrisburg Collieries Co. Harco No. 1*

Successor to
Date
Succeeded by
Date
Succeeded by
Date

PRODUCTION.

							U. S. No.
1921	<i>3000 Tons per day.</i>						

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

Examined by *Wilson*

Coal bed name: Local
County *Saline*

Ref.
Survey No. *5*
Index No. *0427.30*

K.-ACTIVE SHIPPING OR LOCAL COAL MINE.



LOCATION AND ELEVATION

Location: **W** side **Spur. Big Four** R. R.
side R. R.
side Highway No.
on top. map Location sheet

Elevation: Method, 1. Est. () ft.
2. Inst. (kind **Plane Table**) **423** ft.

By _____ Data sheet _____
DEPTH
Authority To coal **416** ft.
Authority Rail to rail _____ ft.
Top of coal above rail. (Est. Rule) _____ ft.
To coal **420** ft.

ALTITUDE OF TOP OF COAL
By estimated data _____
By instrumental data _____ **7** ft.

Thickness
Max. in. Min. in. Aver. **68** in. **64**

GEOLOGICAL DATA

Mine notes, date **1921** _____
Coop No. Pyr. inv. Coal Ash inv.

CHEMICAL DATA

Analyses Face U. I. **3** 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
#124 U. I. B. M. Others

Classification **R.I. 137 U.C.I. 148**

Misc. tests: Coking. Cleaning Boiler

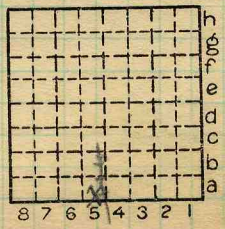
Published descriptions:—

Railroad, Wagon, Idle, Abandoned

S-5

IDENTIFICATION

County No. **552** Coal No. **5**
Part
Quad. **Galatia**
County **Saline**



Sec. **27**
T. **8** N. S.
R. **5** E. W.
Index No. **0427 a5**

COAL MINE LOCATION AND DATA



Elev. Harco Mine - on Main S. Entry

Main S. entry Shaft - bottom coal + 6

Sec 34 Center 1200' W, 700' S. cen.

Entry - running 45° S ~~W~~

1200' West
700' S

42.4 = bottom of coal
bottom of coal

Entry → 45° SW - bottom of coal

100' SW -	45.2	
200	54.3	
300	69.0	1700 - 94.6
400	76.2	1800 98.2
500	71.8	1900 99.2
600	71.9	
700	80.2	April 9, 1938
800	85.7	GHC
900	87.5	
1000	86.2	
1100	84.3	
1200	85.1	
1300	85.7	
1400	86.8	
1500	88.5	
1600	91.4	