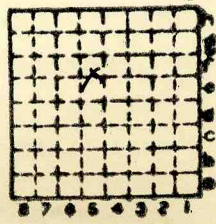




Form 180

I think Black Hollow #1 notes  
may be include in this group.  
It has mine Index #9 Mat 4/57

ILL. ZINC Co.  
DEER PARK #5



Sec. 30  
T. 33 N.  
R. 2 E.  
Index No.

✓ Mine index 9



Mine originally operated by: (1)

ILL. ZINC Co.  
DEER PARK ST.

Date

Original name or number:

DEER PARK #5

Illinois Coal Report

p.

LATER OPERATORS

Date	Operator	Name or No.
2		J.C. Quade
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		

*Ref*



\* Also owners

# See ownership sheet

Railroad, Wagon, Idle, Abandoned

IDENTIFICATION

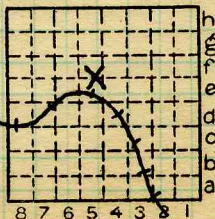
County No.

Coal No.

Quad. 62 62

Part 7.

County LASALLE



Sec. 30

T. 33 N.

R. 2 E.

Index No.

1730.

COAL MINE OPERATOR





Town, **Deer Park**

Local Authority,

Level: Auth., *mine notes*

Method,

R. R., **C.B. & Q.**

Location: authority, *mine notes*

*I. Z. Co.*

*La. S. Hen. map.*

Operator

Surface alt., **500** ft.

Depth to coal, **224** ft.

Alt. top coal, **276** ft.

Thickness: Av. **36** in.

Max. in., Min. in.



(Show R. R.)

Mine Name or No.

19 **Illinois Zinc Co.** *Bl. H. No. 1*

*abd - rd blank June 26*

Successor to

Date

Succeeded by

Date

Succeeded by

Date

**PRODUCTION.**

										U. S. No.
19										

Geol. Notes? *Yes*

Coop. No. *9*

Coal secs.? *6*

Analyses No. *5352, 5353, 5351*

Examined by

Ref.

Coal bed name: Local

Survey No. *2*

County **La Salle**

Index No. *1730.66*

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

TO THE STATE GEOLOGICAL SURVEY:  
URBANA, ILLINOIS.

Mr. \_\_\_\_\_ owner, is

building a rig on \_\_\_\_\_ Farm \_\_\_\_\_ Acres,

\_\_\_\_\_ Twp., \_\_\_\_\_ Co.

Located as follows in Section No. \_\_\_\_\_

Please indicate railroad

2640 feet from North line

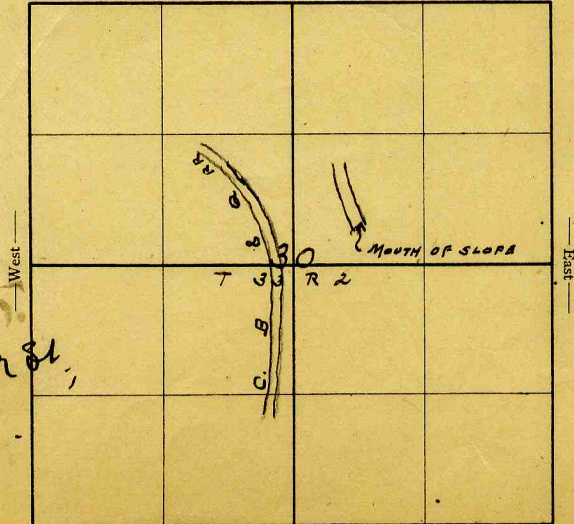
2000 feet from East line

2640 feet from South line

3280 feet from West line

Remarks \_\_\_\_\_

Mine name or No. /



Signed

*Illinois Zinc Co.  
820 Brunner St.,  
Peru, Ill.*

Letter to \_\_\_\_\_

Date \_\_\_\_\_

Letter to \_\_\_\_\_

Date \_\_\_\_\_

\_\_\_\_\_ sample sacks

to \_\_\_\_\_

Date \_\_\_\_\_

Samples rec'd \_\_\_\_\_

Date \_\_\_\_\_

Log rec'd \_\_\_\_\_

Date \_\_\_\_\_

Remarks \_\_\_\_\_

*MN 1912*

county *La Salle* Well No. \_\_\_\_\_  
farm \_\_\_\_\_ operator \_\_\_\_\_

*130*



John C. Moore Corporation, Rochester, N. Y. Binder and holes in leaves, each Patented 1906.





COAL MINE NOTES.

COUNTY *LaSalle* TOWN *Deer Park* MAP No. *1730*  
 T. *33N* R. *2E* S. *30 S.W. of N.E.*  
 OPERATOR *Illinois Zinc Co.*  
 OFFICE *Peru*  
 MINE *Deer Park #1*

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			
COAL LAND OWNED	LEASED		HELD IN FEE
COST OF LAND OWNED	LEASED		HELD IN FEE
ADDITIONAL NOTES			

*1730*



COAL MINE NOTES.  
CONTINUED.

OPERATOR *Illinois Zinc Co*

MINE *Deer Park #1*

ENTRANCE *Shaft.*

NAME OF COAL BED

ELEVATION *500*

THICKNESS OF COAL

DEPTH TO FLOOR *227*

MAX.

MIN.

AV. *36"*

ALTITUDE OF COAL *273*

LOCATION OF SECTION

No. 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

REFERENCE

DATE

*1730*











## UNDERGROUND DATA (cont'd.)

- K. (5) Physical character of coal in benches,
- Relative hardness, *Top of bed slightly harder.*
  - Lustre, *Bright*
  - Fracture, *Slightly conchoidal*
  - Texture, *Massive.* See 4
- (6) Impurities in coal, other than bedded,
- Kind, *sulphur balls, Calcite and sulphur veins.*
  - Position and persistence, *Irregular*
  - Rejected, *sulphur* Ease of separation, *No difficulty.* See
- L. Floor: (1) Material *Fire clay*
- Thickness *Reported 12' to 15'*
  - Variation *Constant.*
  - Note character, condition, tendency to heave, relation to undercutting, commercial value.

*Floor heaves badly. In night is reported to swell so, that the road has to be graded before load can get thru. Will completely close entry. Heaves whether wet or dry.*

See

- (5) Clay sample No. Location,

*Clay sample to be shipped in.*

## M. Stratigraphy

- (1) Fossiliferous horizons underground,

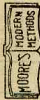
Collection No.

Location,

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

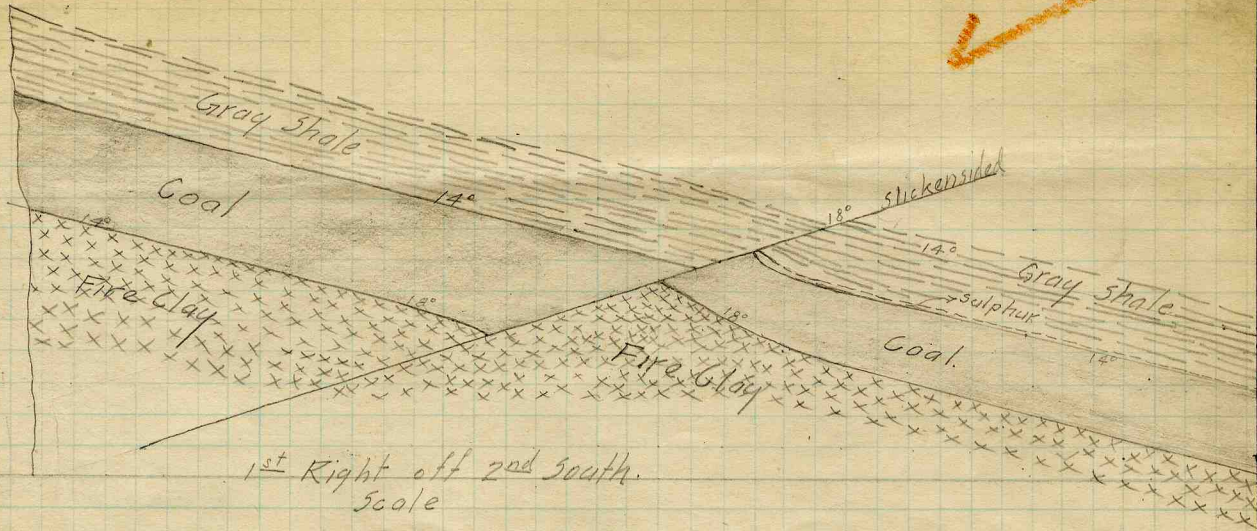
See

Collector, *KDW*Coal *2*State No. **1730**Mine, *Black Hollow*Co. *La Salle*Co-op. No. *7*

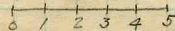


INDEX

K 5



1<sup>st</sup> Right off 2<sup>nd</sup> South.  
Scale



Note:

Coal solid to fault, only effect, roof is bad, full of slips, though not slickensided.

State No. 1730  
Co-op No. 9

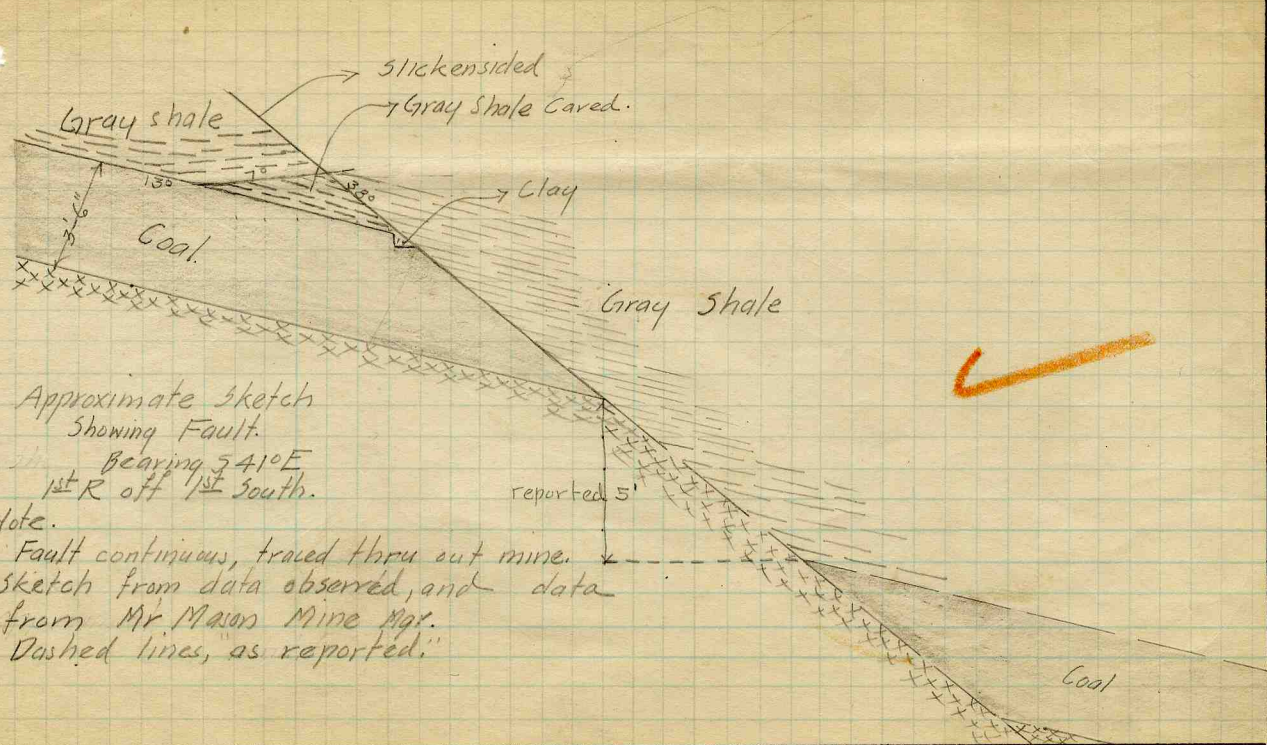
Coal 2  
Co. La Salle

Collector K.D.W.  
Mine Black Hollow  
X.—EXTRA SHEET No. 1





INDEX



Approximate sketch  
 Showing Fault.  
 Bearing  $S 41^{\circ} E$   
 1st R off 1st South.

Note.

Fault continuous, traced thru out mine.  
 sketch from data observed, and data  
 from Mr Mason Mine Mgr.  
 Dashed lines, "as reported."

K3

Collector KDW

Mine Black Hollow

X.—EXTRA SHEET No. 2

Coal 2

Co. La Salle

State No. 1730

Co-op No. 9



## INDEX

C<sub>2</sub>

Main slope drops 270' in 2800', entry bears N 60° W, dips from 4.7% to 20%. Slope not a regular descent, but flattens out at places.

Main strike entries bear N 17° W. Parallel the axis of the anticline.

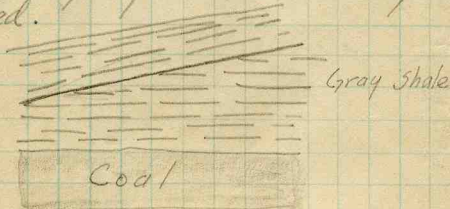
Bearing of dip N 73° E, varies to the west from 8 1/2% to 15%.

H

Never coars above Black Slate. The slate which is very sheety, forms the immediate roof in a couple of places, and a few other cuts the gray shale down to 3'.

Considerable pressure comes from upper side, so that rib creeps in.

The gray shale is frequently irregularly bedded.



Sketch showing irregularity in bedding.

Sample of shale to be taken.

Limestone boulders are reported to occur in coal. The size varies from 1' x 4' x 5' to 3' x 6' x 12'. Occur in pockets near outcrop in south part of N E 1/4 of Sec. 30.

Elev. Mouth of Oglesby Shaft.	
Black Hollow Mine datum	614.74
Depth	460.
Elev. Bottom of Coal	154.74

Elev. same datum Black Hollow Mine portal of slope, bottom of coal 539.75.

Collector KDW

Coal 2

State No.

1730

Mine Black Hollow

Co. LaSalle

Co-op No. 9

X.—EXTRA SHEET No. 3





## INDEX

## Face Main Slope.

K5

1. Roof gray shale, has a little sand, and numerous small pyrite nodules, very thick in places.
2. Sulphur Balls.
3. Coal, very bright, hard, very brittle, a large amount of calcite and sulphur, along faces. Cleat very poorly developed. Veins of calcite and sulphur traverse bed at right angles to dip. Coal pops off rib, will fly off in thin pieces, 3' from face. The coal is very solid is not banded, and about the same in character from top to bottom. Bands of sulphur balls occur 16" and 8" respectively from the bottom, but are frequently absent. Bottom of coal very clean. Thickness 3'-8"  
Coal Dips N65°E 30°
- 4 Floor 2" Carbonaceous shale.
- 5 Fire clay.

K5

## Face Back Entry to Main Slope.

Dip 38°. Roof has been shored into the coal for a couple of inches, so that clay fingers into the coal. Character similar to previous section. Thickness 4'-0"  
Roof shale full of slickensided slip planes.

2<sup>nd</sup> Left off Back Entry. to Main Slope

K5

Top coal is harder, brighter, more brittle, than bottom, 16" at bottom coal more laminated, with more mother coal. Thickness 3'-4"  
Roof gray shale, Bottom fire clay.

The burnt dirt piles of mine refuse, (gray shale, black slate, fire clay bottom, sulphurous coal etc.) have been used for road dressing. Makes an excellent road in summer and is reported to be as good in winter. Roads are well drained.

Collector KDW

Coal #2

State No.

1730

Mine Black Hollow Co. La Salle

Co-op No. 9

X.—EXTRA SHEET No. 4



## INDEX

Section of Ill. Clay Products Co.'s  
Property according to Eads.

1. Heavy sandstone
2. Shale
3. Impure shale
4. Coal #5
5. Clay
6. shale
7. Iron nodules
8. Argillaceous Limestone, Top Ls. 50' above coal
9. Black slate
10. shale, roof of #2 coal
11. Coal #2
12. Fire clay 18'
13. Sandstone 2'
14. Clay 20'
15. Galena Ls.

Company to mine by stripping Nos. 10, 13, 14

Collector KOW

Coal 2

State No.

1730

Mine Black Hollow

Co. La Salle

Co-op No. 9

X.—EXTRA SHEET No. 5





COAL MINING INVESTIGATION

COOPERATIVE AGREEMENT

Operator, *Illinois Co.* Date, *8/12* 191*2*.  
 Mine, *Black Hollow* Located at miles\* *1* from *Deer Pt. Glen*  
 Location in mine, *4 Regt No. 3*  
 Total (vertical) depth from surface at point of sampling, *175* 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 tippie).

SECTION OF BED AT POINT SAMPLED

No.	DESCRIPTION	FEET	INCHES
1	<i>Coal</i>	<i>1</i>	<i>8</i>
2	<i>Sulphur band</i>		<i>3/4</i>
3	<i>Coal</i>	<i>1</i>	<i>10</i>
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
	TOTAL,	<i>3</i>	<i>6 3/4</i>

Is coal wet or dry? *moist*  
 Time exposed, *37* hours, *37* minutes.  
 Weight, *23* gross, *23* net.  
 What are the impurities, and how do they occur? *Sulphur band*  
 What are shipped? *1 3*  
 What are excluded from the sample? *2*  
 Coal bed, *3*  
 \*Direction (N., NE., etc.). †Nearest railway station.

Town, *Deer Pt. Glen* Mine, *Black Hollow* Co., *La Valle*  
 Sample No. *13* Can No. *205* No. *9*



COAL MINING INVESTIGATION

COOPERATIVE AGREEMENT

Operator, *Illinois Zinc Co* Date *8/12* 1912  
 Mine, *Black Hollow* Located at miles\* from *Deer Pt. Glen*  
 Location in mine, *Main North West*  
 Total (vertical) depth from surface at point of sampling, *405* 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 tippie).

SECTION OF BED AT POINT SAMPLED

No.	DESCRIPTION	FEET	INCHES
1	<i>Coal</i>	<i>3</i>	<i>11</i>
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
		<i>3</i>	<i>11</i>

*180*

TOTAL,

Is coal ~~wet~~ or dry?  
 Time exposed, *26* hours, *34* minutes.  
 Weight, *26* gross, net.  
 What are the impurities, and how do they occur? *Nothing*

What are shipped? *Total seam*  
 What are excluded from the sample?

\*Direction (N., NE., etc.)

Coal bed, *3*  
 †Nearest railway station.

Town, *Deer Pt. Glen* Mine, *Black Hollow* Coal bed, *3*  
 Sample No. Can No. *216* No. *1730*

I.—COAL SAMPLE SHEET. Sampler.

*#5352*

*J.M. Keble*

*1730*





(Pearl Hollow)

Coal measured two places. Entry #1 38+39  
inches

- Two bands of impurity

- (1) 18" from top
- (2) 12" + " bottom
- (3) 2'-4' " bottom

#1. most constant - but not always present. More constant toward west than in this mine

- In part of mine - draw slate - 18" - 3' more or less - developed largely because of method of getting coal by shooting off solid  
Between coal & draw slate is usually a band of marcasite or iron sulphide ~~set~~ or ~~set~~ iron stone - where the latter occurs there is considerable difficulty in getting coal clear of roof - both coal & draw slate inclined to come together

In one room a sliver of coal was seen extending up into roof

Cady  
Black Hollow

LaSalle

1730



COAL MINING INVESTIGATION

COOPERATIVE AGREEMENT

Operator, *Illinois Zinc Co* Date, *8/12* 191*2*  
 Mine, *Black Hollow* Located *at* miles\* from *Deer Park*  
 Location in mine, *1 right No.* ✓  
 Total (vertical) depth from surface at point of sampling, *125* f. ✓

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 tippie).

SECTION OF BED AT POINT SAMPLED

No.	DESCRIPTION	FEET	INCHES
1	<i>Coal</i>	<i>2</i>	<i>9 1/2</i>
2	<i>Sulphur band</i>		<i>4</i>
3	<i>coal</i>		
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
<i>181</i>			
TOTAL, ✓		<i>3</i>	<i>6 1/2</i>

Is coal ~~wet~~ or dry? ✓  
 Time exposed, *21* hours, *36* minutes.  
 Weight, *21* gross, *36* net.  
 What are the impurities, and how do they occur? *Sulphur band*

What are shipped? *1 3*  
 What are excluded from the sample? *2*  
 Coal bed, *3*  
 \*Direction (N., NE., etc.). †Nearest railway station.

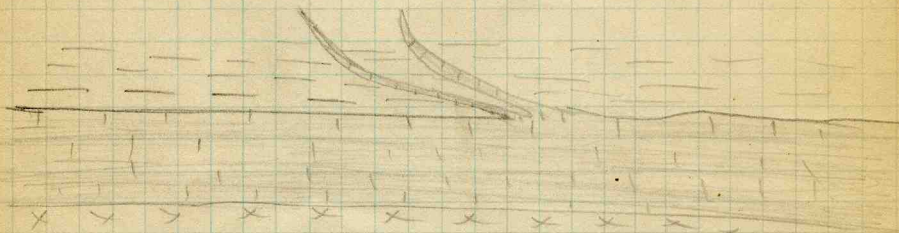
Town, *Deer Park* Mine, *Black Hollow* Co., *La Salle*  
 Sample No. *1* Can No. *2* No. *1730*

I.—COAL SAMPLE SHEET. Sampler, *J.M.H.*  
*#5353*





(Black Hollow)



Mr Mason reports that this sort of a thing is not uncommon in the mine even to a greater degree.

The coal preserves its original structure apparently having been forced up into the roof - perhaps due to slipping along the surface of the coal.

In another locality in the mine the coal about parallel with strike of face the coal rolls down 13 feet or so below normal & up on other side - This sort of thing seems to be a

common occurrence in the area near the face. the strata rising in a series of steps.

Edy Black Hollow

La Salle

1730



(Beard Hollow)

of rolls - Such a roll can be seen in the quarry of the Chicago Portland Cement Co. of

The clay presents a considerable problem - act heaving

Cady  
Black Hollow

La Salle

1730

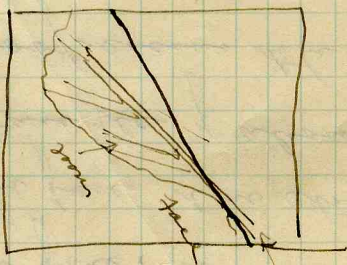




# Cady.

May 17. 1912.

Visited Black Hollow mine in A.M. with Mr. Ede. The mine is a slope mine entering the Brauer or #2 coal. at a point a short distance of main axis of Sadell anticline. The main entry lies on west side of most of the workings. However, this entry is a straight one running a few degrees west of the strike of the anticline. The rooms - are turned off at an angle less than a right angle - so as to lessen the effect of the dip as much as possible



The angle of inclination along main haulway is about uniform - (2% - 3%)  
for 1/2 mile or so - then suddenly 17%  
Black Hollow Sadell

there is a marked increase in the angle up to nearly twice as ~~steep~~  
the angle seems to be increasing toward the face, so the

Right at the face the strata are dipping at angle of about  $35^\circ$  and the roof seems to be in rather bad shape.

There are three places in the mine where small displacement, or at least, slips, have occurred tho' the ~~throw~~ throw is of no appreciable amount. At these places the soapstone roof shows marked evidence of pressure and movement; slickensides are very conspicuous. The strike of these slips is practically parallel with that of the main fold.

509d