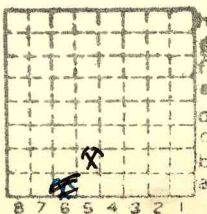


ISGS Mine Index # 3292
 SAKINE GAS.

Harroburg Co # 1
 593



Sec. 32.

T.	9	N.
		S.
R.	6	E.
		W.

Index No.

✓

Town, *Harrisburg.*

Local Authority,

Surface alt., *390* ft.
Depth to coal, *40* ft.
Alt. top coal, *350* ft.
Thickness: Av. *114* in.
Max. in., Min. in.

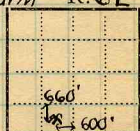
Level: Auth., *Saline Gas Coal Co.*

Method,

R. R., *CCC + St. L.*

660' E of W. line of farm R. 6 E
600' N. " S. " " T. 9 S

Location: authority, *Letter from Saline Gas Coal Co. 1/22/18*



Sec. *32*

No. 4 & 2 adjoin to the SW in sec 60

Mine Name or No.

19 18 *Saline Gas Coal Co.*

No. 1

Successor to

Date

Succeeded by

Harrisburg Coal Mining Co

#3

Date *1925 Harrisburg*

Succeeded by

Date

PRODUCTION.

U. S. No.

19

16 248



#513

19

Geol. Notes? *Yes*

Coop. No.

Coal secs?

Analyses No.

1920

COUNTY

Examined by *3792*

Ref. *2?*

Coal bed name: Local *SHIPPING MINE*

Survey No. *2?*

County *Saline*

Index No. *0832.41*

K.—ACTIVE SHIPPING OR LOCAL COAL MINE.

Wale Dec 1925

Jan 22 1918

1975-210

THE STATE GEOLOGICAL SURVEY:
URBANA, ILLINOIS.

Mr. *Saline Gas Coal Company* owner, is

sinking a shaft
situated on *Amor Russell* Farm *80* Acres,

9. South Twp., *Saline* Co.

Located as follows in Section No. *32*

..... feet from North line

..... feet from East line

..... feet from South line

..... feet from West line

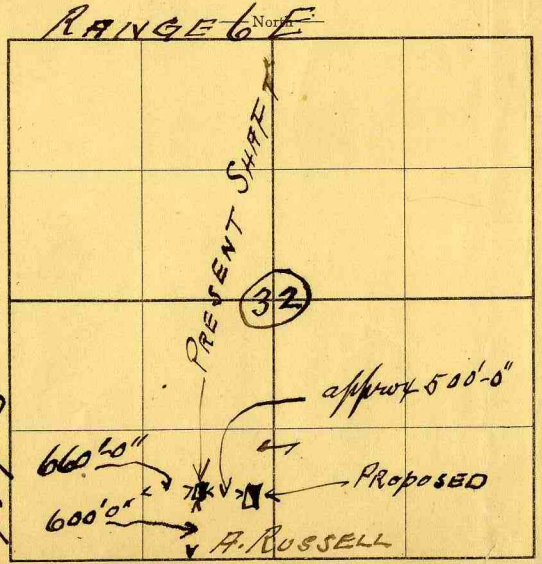
Remarks

Mine name or No.

One

Saline Gas Coal Company
Signed *Per Merauford*

T. 9-S



Letter to

Date

Letter to

Date

..... sample sacks

to

Date

Samples rec'd

Date

Log rec'd

Date

Remarks

SHIPPING MINE

County *Saline*

Well No.

#2 *00* *0832*

Farm

Operator

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





Town, *Ledford*
 Local Authority, *McGinnis, Eng.*
Frank O'Brien, Supt.
 Level: Auth., *Bull 19, Coop*
Jack Crawford - Pres. Mgr.
 Method,

Surface alt., *390* ft.
 Depth to coal, *286* ft.
 Alt. top coal, *104* ft.
 Thickness: Av. *42* in.
 Max. *47* in., Min. *40* in.

R. R., *CCC + STL*



Location: authority, *Top. map.*
2400' E and 1000' North of SW cor sec 32

(Show R. R.)

Operator

Mine Name or No.

19 *Harrisburg Coal Mining Co -*

No 1
"Slap Out"

Successor to *Saline Gas Coal Co*
 Date

Succeeded by
 Date

Succeeded by
 Date

#593

PRODUCTION.

							U. S. No.
19							

Geol. Notes?

Coop. No.

Coal secs?

Analyses No.

Examined by *H&C*

Ref.

Coal bed name: Local *Murphersboro*

Survey No. *#2*

County *Saline* **SHIPPING MINE**

Index No. *0832.41*

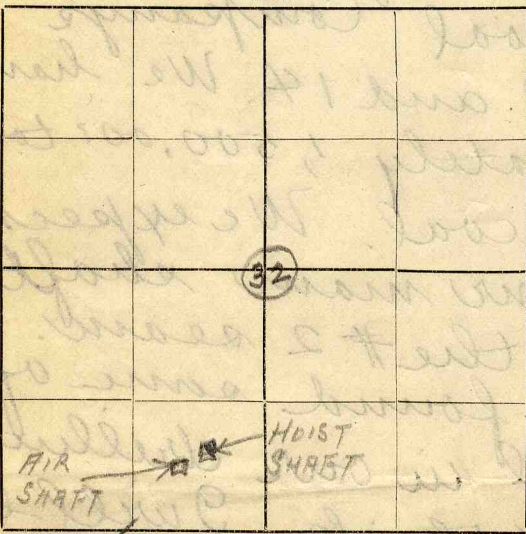
ACTIVE SHIPPING OR LOCAL COAL MINE.

Mine Name or No. One Mine Address Harrisburg
 Operator Saline Gas Coal Company
 Main Office Address 18 South Main St.
Harrisburg

Location of Mine:
 Township Name Harrisburg County Saline
 Section No. 32 Township Nine Range 6 E

Indicate location of mine and position of R. R. in plat of section below.

North



Kindly state number of feet from quarter section lines:

abt 600' from N. line
" 700' from E. line
" 720' from S. line
" 620' from W. line

Idle entire year 19 17 ~~19~~ ^{Yes} No.
 Abandoned (date) 19.....

MN 1925 about 590 El.
 Surface landing is 290 feet above sea level or about..... feet (above) (below) railroad station at..... (nearest town).

Depth to top of coal is 40 feet.
 Average thickness of coal is 9 feet 6" inches (#5 coal)

#593

Do not fill in below this line.

Coal Bed Name..... Survey No. 5
 County Saline Index No. 0832

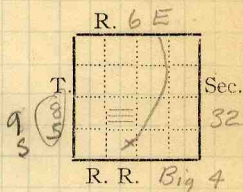
"Our #5 coal joins on
O'gara Coal Company's
mines #9 and 14. We have
approximately 1,500,000 tons
of the #5 coal. We expect
to put our main shaft
down to the #2 seam.
We have found some of
this coal in our drillings
to be 5'8" thick. I will be
glad at some future date
to send you a log of these
holes for your records."

Letter S. Gas Coal Co.

5/6/18

COAL MINING INVESTIGATIONS
COOPERATIVE AGREEMENT

Mine Name or No., 2
1 mile SE from Ledford
Operator, 1915 Harrioburg Coal Mining Co



Operator, 191

Entrance, shaft Elev., 390 ft. { above, seal level
Depth to bottom coal, 286 ft. Alt. 104

SURFACE DATA.

A. Topography *rolling* See
B. Surficial materials: (1) Character *clay*

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

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.

*Have mine map, several months old -
got log of boring at shaft site, and add. logs*

See drill record sheet.

E. Notes on surrounding area,

See

Coal bed name: Local, *M2* Survey
Collector, *HCC* State No.
Mine, *M1* Co. *Saline* Co-op. No. *0832.41*

F. Thickness of rock above bed worked,

- (1) Important variations,

See

G. Note presence of strata having important effect on mining,

See

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

See

H. Cap rock, *carbonaceous limy shale*

- (1) Thickness, *24"*
 (2) Height above coal, *24"*

See X/

I. Immediate roof, *shale - black - slaty w. cone.*

- (1) Thickness, *24"* (2) Contact with coal,
smooth -

- (3) Horizontal variation, *none noted except a pyrite zone at base* See X/

J. Draw slate. (1) Thickness, (2) Contacts

- none*
 (3) Persistence,

K. Coal bed: Max. *77* Min. *40* Av. *72* inches

- (1) Benches, *none except locally distinct,*
 (a) Position,

- (b) Persistence,

See X

- (2) Bedded impurities, kind, position in benches, persistence, ease of separation.

charcoal + dirt band in places

See X/

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

See

- (a) Effect on mining,

See

SECTION				
Ft.	fn.	Name	Index	Sym.
13		coal shale		
3	6	shale carb. ls. sh		
2	+	shale, coal clay		

Collector, *HEC*

Mine, *No 1*

Co. *Saline*

Coal: Survey No.

Index No. *0832.41*

K. (5) Physical character of Coal,

- (a) Relative hardness,
- (b) Lustre,
- (c) Fracture,
- (d) Texture,

no marked difference in physical properties - all rather hard, much bright, with fine lamination.
 Cleat: Faces N. 47° E Botts N 52° W See X1

(6) Impurities in coal, other than bedded, kind, position, persistence, ease of separation, etc. pyrite balls and lenses throughout bed, especially below top foot.

See

L. Floor: (1) Material,

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

hard gray under clay, gritty and full of stigmaria impressions.
 locally softer and in places plastic.
 Pyrite locally thick (3") on top of this clay

On acct of top layer of pyrite on ^{top of} under clay, the base of the coal is used for undercutting and the bottom of the coal is then taken up - where soft, the floor gives trouble because the breaking roof overloads the props, pushing them into the floor clay.

See X2

(5) Clay sample No.

Location,

M. Stratigraphy,

(1) Fossiliferous horizons underground,

the calc. zone 2 feet over the coal contains strobil fossils - Productus cora etc. noted - sample of rock taken -

Collection No.

Location, marked loc. 3 on

Bluish over coal also mine maps -
 Lamin shells.

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

See

Collector, HEC

Cola: Survey No.

Mine, No 1

Co. Calumet

Index No. 0832.41

Notes on effect of road building in east valley region.

Collection 70'

Location'

(1) Roadside: roadbed line, road

X' 2141' 1/2

N 47° E face
N 52° W butt - No 2 room
1 1/2 West of South.

(2) Side of road

(3) Distance

(4) Direction

Y' 1100' (1) 2141' 1/2

(5) Distance in east valley region, road building, roadbed line, road

(6) Distance

(7) Distance

(8) Distance

(9) Roadside: roadbed line, road

X' (2) 1100' Distance of road

INDEX

H
 a distinctly carbonaceous, but calc. zone lies 24" over the coal bed. This comprises the following section - (1 div = 6")

main shale of roof-
 mass. calc. shale, with scattered fossils (Prod. cora) many nod. and lenses of dolomite
 limestone band, highly carb. & arg.
 shale, not well bedded even top & base
 coal

K1
 and 2
 In places a clod or "soot" band divides the coal below the middle and this is cut in, the top coal being shot and the bottom foot or so taken up afterwards. Elsewhere this is not present, but its place seems to be taken by a heavy, irregular, but persistent band of pyrite. Where the clod is present the pyrite of the floor clay is thicker.

K5d
 Cleat is well developed and is not the same as roof joints in trend. Measurements are:
 Cleat - Faces N 47° E
 Butts N 52° W
 Joints - ca N 40° E
 N. ° W

I 3
 a pyritic fossiliferous zone $\frac{1}{2}$ " to 5" thick underlies the black shale ("slate") Sampled. The lie above this is not washed and can only be sampled at falls. The pyrite zone is locally absent. Pyritic concretions lie in the black shale zone. A cephalopod fragment was obtained from one of these on the dump.

Collector HEC

Mine No 2

Co. Sabine

Coal: Survey No.

Index No. 083214

X.—EXTRA SHEET No. 1

Symbol	Description	Inches
	shale roof, dark massive bed	and 8ths
	shale, soft, laminated	- 7
	coal, hard, bright, hackly fracture	5-0
	pyrite parting	- 1
	coal	7-2
	charcoal parting	- 3
	coal	8-2
	charcoal parting	0-3
	coal	6-0
	pyrite band	1-0
	coal	15-0
	under clay	Total 43-7
	Tape 43.½"	
	Loc. 1 on Mine Map.	

(Scale: 1 division = 3 inches).

Sample No. _____ Can No. _____ Lab. No. _____
 Collector, *H.E.C.* Coal: Survey No.
 Mine, *No 2* Co. *Saline* Index No. *0832.71*
 Q.—COAL SECTION SHEET.

Symbol	Description	Inches
1 division = 3 in.)		
	shale roof	0 - 0
	coal	3 - 6
	pyrite parting, probably thin lens	0 - 1
	Coal	4 - 0
	charcoal parting	0 - 1
	Coal	17 - 5
	charcoal parting	0 - 1
	Coal, with thin charcoal lenses	9 - 2
	pyrite band	1 - 0
	coal	6 - 4
		42 - 4
	Tape 42 $\frac{5}{8}$ "	
	Location 2 on mine map	

Collector, HEC

Mine, No 2

Co. Saline

Coal: Survey No.

Index No. 0832-41

Symbol	Description	Inches
1 division=3 in.)		
	shale roof	and 8 th s
	coal,	12-0
	pyrite lens	15 5
	coal	20
	pyrite lens	23
	coal	24
	pyrite	29
	coal	34
	pyrite	33
	coal	10
	charcoal-clod band	2-4
	coal	10-0
	under clay	42-0
Tape 42"		
<p>Time between trips of loader did not permit precise measurement of basal two coal bands, the thickness of all impurities and total tape as well as upper 24" of bed were accurately measured.</p>		
loc. 2 a on mine maps.		

Collector, H.E.C.
 Mine, No 2

Co. Saline

Coal: Survey No.
 Index No. 0832.41

Symbol	Description	Inches
1 division = 3 in.)		
	shale roof coal	23
	bone band coal	1 2/3
	Tape 39	39
	Section of coal ca 17' above	
	the last mine worked	
	Bone band varies in thickness it was 3" on NW side of shaft and 5" on SE side.	

INDEX

L4

Mining methods -

On account of low coal and consequent mining conditions, the original plan of room & panel system has been changed to a retreating V room system using mechanical loader - Goodman type. This is now run on N-S trend floor room necks with working faces NW & NE. This is essentially parallel to the cleat but also nearly \perp to the jointing of the roof shales. See Mine map.

Correlation -

Collector HEC

Mine No 2

Co. Saline

Coal: Survey No.

Index No. 0832.41