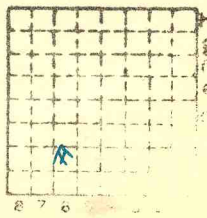


Sahara - ?
 O'Gava # p.

Islands
 mi. # 48

615



Sec. 36
 T. 9 ~~N.~~ S.
 R. 5 ~~W.~~ E.
 Index No.

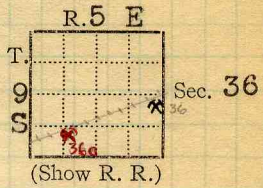
✓

Town, **Carrier Mills**
Local Authority,

Surface alt., **403 +05** ft.
Depth to coal, **(83)** ^{Bull 19} **76** ft.
Alt. top coal, **320** ³³⁵ ft.
Thickness: Av. **75** in.
Max. **90** in., Min. **60** in.

Level: Auth., **Deuchler NB97-p70**
Depth **Kay (coop)**
Method, **H.L.**

R. R., **Big 4**



Location: authority **Deuchler; O'Gara map**
abd - blank '24
Small, fault.

Operator _____ Mine Name or No. _____

19 **06** **O'Gara Coal Co. Co. No. 7**

Successor to _____
Date _____
Succeeded by _____
Date _____
Succeeded by _____
Date _____

PRODUCTION.

	Fiscal					U. S. No.
19 15					None	
						#615

Geol. Notes? **+es** Coop. No. **48** Coal secs.? **6**
Analyses No. **5002, 4995, 5010** ; **312, 1116** **County**

Examined by **Grout; Kay;** Ref. _____
Coal bed name: Local **SHIPPING MINE** Survey No. **5**
County **Saline** Index No. **0936a 22**

K.—ACTIVE SHIPPING OR LOCAL COAL MINE.



COAL MINE NOTES.

0936a

COUNTY *Saline*

TOWN

MAP No. *0736a*

T. *9S*

R. *5E*

S. *36S.E.5W.*

OPERATOR *O. Gara Coal Co.*

OFFICE *Chicago*

MINE *#7*

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

no timber in rooms

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

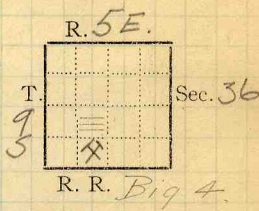
ADDITIONAL NOTES

0736a

0936a

COAL MINING INVESTIGATIONS
COOPERATIVE AGREEMENT

Mine Name or No., *O'Gara #9*
 1/2 mile *NE.* from *Carrier Mills*
 Operator, 1912 *O'Gara Coal Co.*



Operator, 191

Entrance, *Shaft* Elev., ft. { above,
 Depth to bottom coal, *83 to top* ft. Alt. below,

SURFACE DATA.

- A. Topography *Slightly rolling.* See
- B. Surficial materials, (1) Character *Clay*
- (2) Thickness, *17 ft.* (3) Effect on mining and shaft-sinking, of former drainage lines, underground water strata, etc.
No trouble in sinking.

- 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.
Location from O'Gara Co map.
 See drill record sheet.

E. Notes on surrounding area,
In Saline #2, 17ft+ floor material sandy shale with many sulphur balls.
3/4 mi S.W. parting that shows in S. makes coal practically worthless.
 See

Coal bed name: Local, *5* Survey _____
 Collector, *Kay* State No. **0936a**
 Mine, *O'Gara #7* Co. *Saline* Co-op. No. *48*

UNDERGROUND DATA (cont'd.)

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

(a) Relative hardness,

(b) Lustre,

(c) Fracture,

(d) Texture, See

(6) Impurities in coal, other than bedded,

(a) Kind,

(b) Position and persistence,

(c) Rejected,

Ease of separation, See

L. Floor: (1) Material

Sandy gray shale.

(2) Thickness

Not kn

(3) Variation

*Contains carbonaceous matter
& pyrite balls.*

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

Not Undercut. Wet in most of mine.

(5) Clay sample No.

Location, See

M. Stratigraphy

(1) Fossiliferous horizons underground,

Collection No.

Location,

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

See

Collector,

Coal

State No.

0936a

Mine,

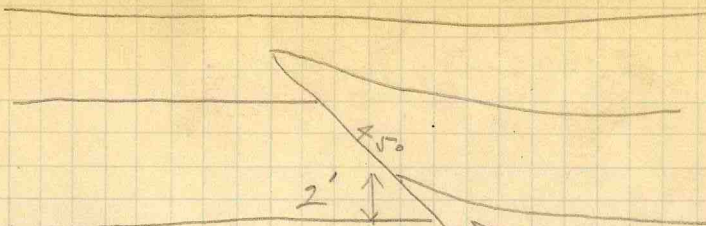
Co.

Co-op. No.

48

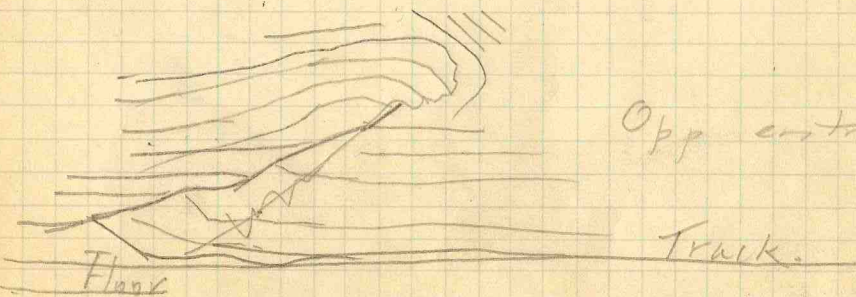
#48

0936a



9th West. off S. 2700' from shaft.

Direction N-S. Found only here + in twin entry.



Opp entry.

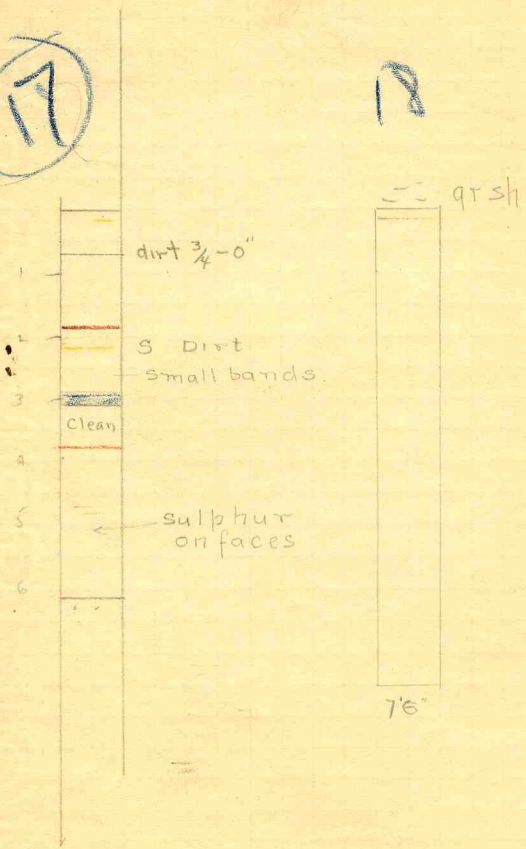
← 20ft. →



47-18

17

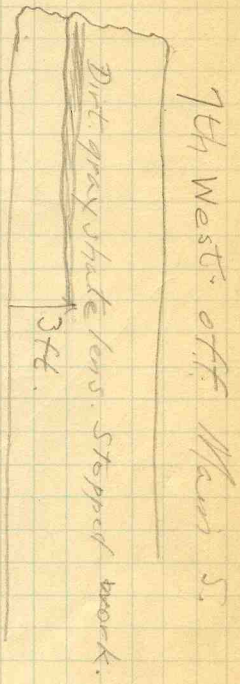
18



Kay

0936a

Coal 5-7'6"



#48

#48

0936a



2' 6"

Coal.

sh.

Coal.

Coal.

Coal.

Face 2nd S of 7 W.

Abandoned

Floor

3 1/2

RODERS MODERN METHODS

gray shale.

Small mother.

F₂

✓
Very good
clean coal.

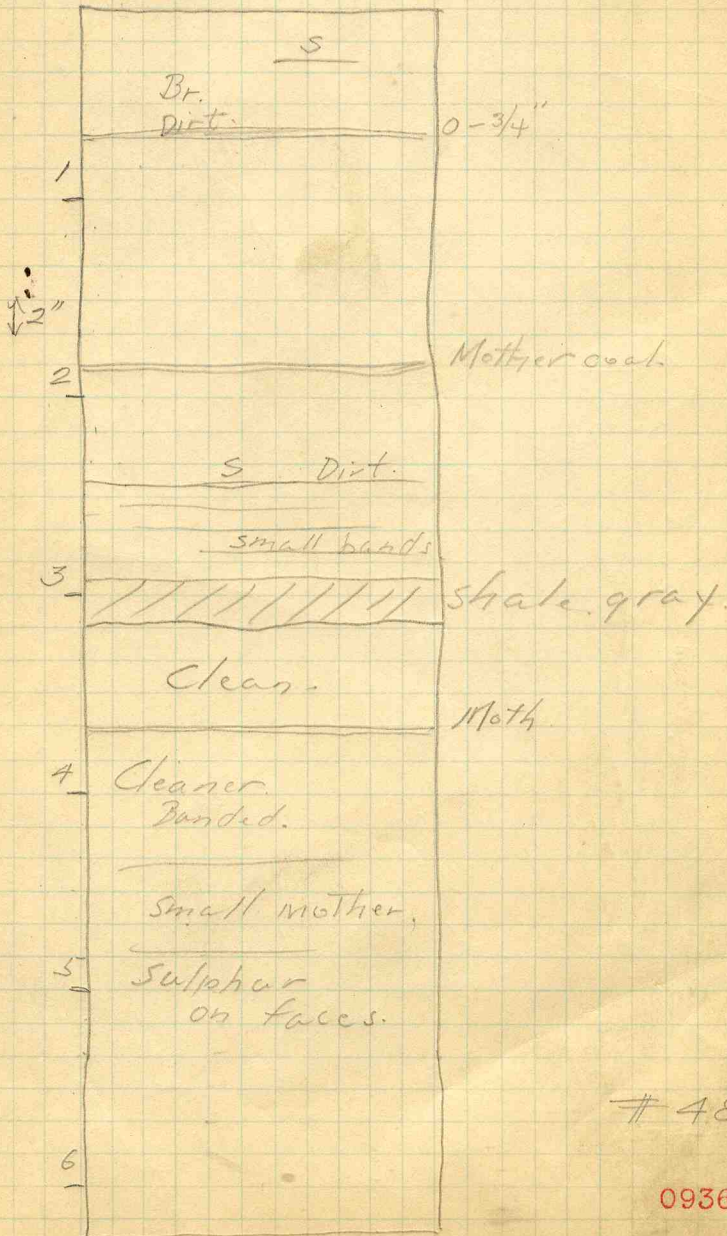
7'6"
Clean coal
all way.

Cleat.

N. 40° E.

N. 35° W

✓



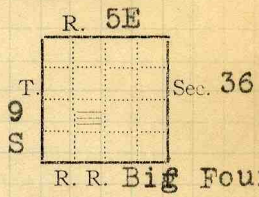
48

0936a



COAL MINING INVESTIGATIONS
COOPERATIVE AGREEMENT

Mine Name or No., **O'Gara No. 7**
1 mile **N.E.** from **Carrier Mills**
 Operator, 191 **2 O'Gara Coal Co.**



Operator, 191

Entrance, **Shaft** Elev., ft. { above,
 Depth to bottom coal, ft. Alt. below,

SURFACE DATA.

- A. Topography **Slightly rolling** See
 B. Surficial materials, (1) Character **Clay**
 (2) Thickness, **17 ft.** (3) Effect on mining and shaft-sinking, of former drainage lines, underground water strata, etc.

No trouble in sinking

- 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.

Location from O'Gara Co. map

See drill record sheet.

- E. Notes on surrounding area,
In Saline No. 2, 17 ft.+ floor material sandy shale with many sulphur balls.
3/4 mi. S. W. parting that shows in S. makes coal practically worthless.

See

Coal bed name: Local, **5**

Survey

Collector, **F. H. Kay**

State No. **0936a**

Mine, **O'Gara No. 7**

Co. **Saline** Co-op. No. **48**

UNDERGROUND DATA (cont'd.)

- K. (5) Physical character of coal in benches,
 - (a) Relative hardness,
 - (b) Lustre,
 - (c) Fracture,
 - (d) Texture, See
- (6) Impurities in coal. other than bedded,
 - (a) Kind,
 - (b) Position and persistence,
 - (c) Rejected, Ease of separation, See

- L. Floor: (1) Material **Sandy gray shale**
- (2) Thickness **Not known**
- (3) Variation **Contains carbonaceous matter & pyrite balls**
- (4) Note character, condition, tendency to heave, relation to undercutting commercial value.

Not undercut. Wet in most of mine.

- (5) Clay sample No. Location, See

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
Mine, **O'Gara No. 7** Co. **Saline**

State No. **0936a**
Co-op. No. **48**

COAL MINING INVESTIGATION

COOPERATIVE AGREEMENT

Operator, *O'Gara Coal Co.* Date, *6-21*, 191*2*
 Mine, *O'Gara #7* Located *1 1/2* miles *NE* from *Carrier Mills*
 Location in mine, *Face of Room 18 off 6th East 1st South*
 Total (vertical) depth from surface at point of sampling, *75* 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 x	Roof - gray shale		
2 x	Draw slate		3 ✓
3	Coal - clean except	7	1/2
4	(for a few streaks of		
5	mother of coal & a		
6	little pyrite)		
7	Floor - carbonaceous		
8 x	shale - fire clay		
9 x	below.		
10 x			
11			
12			
13			
14			
15			
16			
17			
	TOTAL,	7	3 1/2

Is coal wet or dry? - *dry at top - damp at bottom*
 Time exposed, *1* hours, *30* minutes.
 Weight, *75#* gross, net.
 What are the impurities, and how do they occur? *bedded streaks of mother of coal - flakes of pyrite on cleat of coal*
 What are shipped? *3*
 What are excluded from the sample? *1, 2*
 Coal bed, *#5*
 *Direction (N., NE., etc.)
 †Nearest railway station.

Town, *Carrier Mills* Mine, *Ogara #9* Co. *Ogara Coal Co*
 SAMPLE NO. *78* BOAN NO. *SD 22* No. *48 0936a*

I.—COAL SAMPLE SHEET. Sampler. *Smith + rebel*
 #4995
 87/12-3-289/2
 11956

COAL MINING INVESTIGATION

COOPERATIVE AGREEMENT

Operator, *O'Gara*, Date, *6-21*, 1912
 Mine, *O'Gara #7* Located *1/2* miles* *NE* from *Carrier Mills*
 Location in mine, *Face of 3rd Room - 3rd North of 1st West*
 Total (vertical) depth from surface at point of sampling, *75* 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.
1x	Roof - gray shale		
2*	Draw slate		4
3	Coal - streaks of dirt & sulphur	3	3 1/2
4x	Sulphur		1
5	Coal - streaks of mother of coal	2	0
6x	Floor - fire clay		
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
TOTAL,		5	4 1/2

Is coal wet or dry? *dry*
 Time exposed, *0* hours, *8 1/2* minutes.
 Weight, *40#* gross, net.

What are the impurities, and how do they occur? *- sulphur as pyrite mother of coal & dirt streaks bedded.*

What are shipped? *3 & 5*

What are excluded from the sample? *1, 2, 4, 6*

*Direction (N., NE., etc.) *NE* †Nearest railway station. *#5*

Town, *Carrier Mills* Mine, *O'Gara #7* Co. *Ogden Coal Co*

SAMPLE NO. *5 + DV 23* CAN NO. *148* No. *0936a*

I. COAL SAMPLE SHEET. Sampler. *#5002*

68 1/2 - 5 = 63 1/2
12400

Smith & Keefe

COAL MINING INVESTIGATION

COOPERATIVE AGREEMENT

Operator, Ogava Coal Co - Date, 6-22-1912
 Mine, Ogava #7 Located 1 1/2 miles* NE from † Carrier Mills.
 Location in mine, Face of Main South Entry
 Total (vertical) depth from surface at point of sampling, 75 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	Roof soft grey shale		
2	Coal - fairly clean (a few streaks of dirt - a few flakes of pyrite parallel to face.)	6	11 1/2
3			
4			
5			
6			
7			
8	Floor - fire clay		
9			
10			
11			
12			
13			
14			
15			
16			
17			
	TOTAL,	6	11 1/2

Is coal wet or dry? - wet
 Time exposed, 0 hours, 45 minutes.
 Weight, 60 # gross, net.

What are the impurities, and how do they occur? a few bedded streaks of dirt & flakes of pyrite on fractures

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

710 12.05% *Direction (N., NE., etc.). †Nearest railway station. Coal bed, #5

Town, Carrier Mills Mine, Ogava #7 Co. Ogava Coal Co
 Sample No. 480 Can No. St Del No. 48 0936a

I.—COAL SAMPLE SHEET. Sampler. Smith + Nebel
12346 #5010

Operator, **O'Gara Coal Co.**
 Mine, **No. 7**
 Located, _____ miles from
 Location in mine, **3rd room east entry**

Date **May 23 06**
 Sec. **36** - T. **9 S** R. **5 E.**

GRAPHIC SECTION		DESCRIPTION OF SECTION (AT POINT SAMPLED)		
In.	No.	No.	(Note character and thickness of roof)	Inches
			Hard white slate, many ft.	
			Draw slate 14 in.	
		1	Coal	87
			Fire clay	
48	1			
60				
72				
84				
6.30				
			(Note character and thickness of floor)	
			Total thickness of coal.	87
			Condition, _____ Time, _____ hr. _____ min.	
			Wt. Gross, _____ lbs. Net, _____ lbs.	
			What Nos. shipped by Co.?	
			Excluded from sample: No.	
6.21			Sample represents _____ in. _____ tons.	
			Impurities? How do they occur?	

Sample No. **G-56** Can No. _____ Lab. No. **312**

Collector, **Grout N.B. 7 p.61** Coal: Survey No. **5**
 Mine, **O'Gara 7** Co. **Saline** Index No. **0936a**