



Form 180 Blue

to be filed

Producers Coal Co. No. 22

County No. 545

mine index 3668

h	.	.	.	.	.	.	.	.	.	.	.
g	.	.	.	.	.	.	.	.	.	.	.
f	.	.	.	.	.	.	.	.	.	.	.
e	.	.	.	.	.	.	.	.	.	.	.
d	.	.	.	.	.	.	.	.	.	.	.
c	.	.	.	.	.	.	.	.	.	.	.
b	.	.	.	.	.	.	.	.	.	.	.
a	.	.	.	.	.	.	.	.	.	.	.
8	7	6	5	4	3	2	1				

Sec. 13 F4

T. 18 N.

R. 12 W.

Index No.

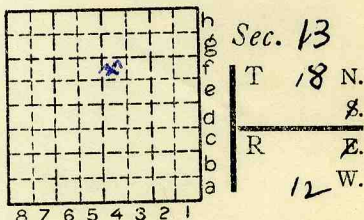


Location and Elevation Data

Location: Exact Approximate
 (Approximate only if no trace of record of original exists)
 Location by U.S. Fuel Co. map
 Date _____ Notebook No. _____ Page _____
 Looseleaf ref. _____
 Map files No. 14-92-43 (in Coop min. Bull #14)

Description of Location

Position in sec., 1/4 sec., 40 acres
 _____ feet from North line
2175 feet from East line
4050 feet from South line
 _____ feet from West line



Other description: Mine Notes 1909
Shaft 235'
New 1903 Authk. 7'0"
 Westville Coal Co. 1903
 Dering Coal Co. #2 1905
 Brazil Block Coal Co. #2 1910
 Dering Coal Co. #2 1912
 Producers Coal Co. #22 1916

Farm _____
 No. _____
 Company Producers Coal Co.
 No. 22
 County No. 545

Mine notes: (later than 1909) in tabu-
ations Mine notes 1910 Depth to floor 215'
 Depth to bottom of Elevation 691.5 ft. Surf elev.
 coal. 196.1 By Mine notes Top. Est. 685
 Alt. 495 A
 Method: Level, transit, alidade, hand level

Elevation of _____
 Height of point above ground _____
 Date _____ Notebook _____ P. _____
 Looseleaf ref. _____

Map files No. _____
 Description of item: (drill hole, mine, etc.) Shaft mine Abandoned

County Vermilion Quadrangle Danville Index No. 2313F4
149



Mine originally operated by: (1)

Date

1904

WESTVILLE COAL CO.

started sinking
1903

Original name or number: No. 2.

Illinois Coal Report p.

LATER OPERATORS

Date	Operator	Name or No.
2 1905	DERING COAL CO.	No. 2.
3 1910	BRAZIL BLOCK COAL CO.	No. 2.
4 1912	DERING COAL CO.	No. 2.
5 1916	PRODUCERS COAL CO.	No. 22.
6		
7		
8		
9		
10		
11		
12		
13		
14		

W 1/2, NE 1/4

*Also owners

#See ownership sheet

Railroad, Wagon, Strip, Idle, Abandoned

SHAFTMINE

IDENTIFICATION

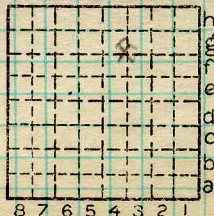
County No. 545

Coal No. 6

Coal Report No. _____

Quad. DANVILLE

County VERMILION



Sec. 13

T. 10 N. 8. S.

R. 12 W.

Index No.

COAL MINE OPERATOR

2313 F4



(Sheets) COAL PRODUCTION (Sheet)

Period						Tons		
Mo.	Day	Year	Mo.	Day	Year			
					1904			20 000
					1905			212 225
					1906			301 810
					1907			495 752
					1908			380 187
					1909			364 012
					1910			183 907
					1911			308 817
					1912			326 947
					1913			208 143
					1914			185 064
					1915			191 765
					1916			184 196
					1917			

Producers CC # 22

abd.

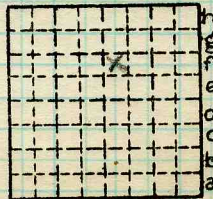
SUMMARIES

No.	to	No.		
1904		1916		3 362 825

Railroad, Wagon, Strip, Idle, Abandoned 1917 SHAFTMINE Sec. 13

IDENTIFICATION

County No. 545 Coal No. _____
 Coal Report No. _____ 6
 Quad. DANVILLE
 County VERMILION



T. 18 N. _____
 R. 12 W. _____
 Index No. _____

2313F4

COAL MINE—PRODUCTION

ILLINOIS GEOLOGICAL SURVEY, URBANA



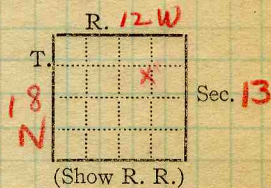
Town, **Westville**
 Local Authority,

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

Level: Auth.,
 Method,

R. R.,

Location: authority,



Operator

Mine Name or No.

19 **Dering Coal Co.** **No. 2**

Successor to
 Date
 Succeeded by
 Date
 Succeeded by
 Date

PRODUCTION.

19									U. S. No.

Geol. Notes? *No*
 Analyses No.

Coop. No.

Coal secs.? *No not here*

Examined by

Ref.

Coal bed name: Local **SHIPPING MINE**
 County **Vermilion**

Survey No.

Index No.

K.—ACTIVE SHIPPING OR LOCAL COAL MINE.

2313

Location of mines in Vermillion Co

Henry Coal Co

- 2813 # 2 W 1/2 NE 1/4 Sec 13 T 18 N R 12 W.
- 2323 # 3 SE 1/4 NE 1/4 Sec 23 T 18 N R 12 W.
- 2315 # 4 NW 1/4 SE 1/4 Sec 15 T 18 N R 12 W.
- 1731 # 42 SW 1/4 SE 1/4 Sec 31 T 19 N R 11 W.
- 2805 # 44 NE 1/4 SW 1/4 Sec 5 T 18 N R 11 W.
- 1732 # 45 SE 1/4 NE 1/4 Sec 32 T 19 N R 11 W.
- 2409 # 46 NE 1/4 SE 1/4 Sec 9 T 18 N R 11 W.

Little Vermillion coal co

- ~~2813~~ 2419 # 1 NE cor NW 1/4 SE 1/4 Sec 19 T 18 N R 11 W.

Munice shaft operated by J. Harris
NE 1/4 SE 1/4 Sec 20 T 20 N R 12 W

Joe Mauck

- 2215 NE 1/4 Sec 15 T 19 N R 12 W
- 1815 Perry Young Sec 15 T 19 N R 12 W.

- 2419 = 2819
- 1814 = 2215
- 2405 = 2805
- 2313 = 2713
- 2315 = 2715
- 2323 = 2723
- 1731
- 1732

ILLINOIS COAL MINE NOTES

TOWN *Westville* T. R. S. *Georgetown* Vermilion CO.
 COAL BED *Grape Creek* DATE *2/9/09* COLLECTOR *H.V. Williams*
 OPERATOR *Deering Coal Co* MINE *Deering #2*
 HEAD OFFICE *Old Colony Building Chicago, Illinois*
 CAPACITY *1900 +* MARKETS, FRT. *Illinois Steel Co, Chicago, 60%*
 ENTRANCE *Shaft 235'*
 CAGE *Steel* ENGINES *1st Motion*

SCREENS *D.G. Medill, Supt.*
Jas. DuBois, Manager STORAGE *None*
 VENTILATION *12' x 4 1/2' Brazil Fan, Steam Drive, Blowing*
 GAS, SOURCE *None Discovered*
 COAL THICKNESS, AV. *7'* MAX. MIN. ELE. FT.

SECTION LOCATED *Room #12 off 10 North West Entry*

No.	In.	No.	In.		
1	<i>Shale with Coal Stringes</i>	<i>6"</i>	7	<i>Coal</i>	<i>9</i>
2	<i>Coal</i>	<i>22</i>	8	<i>Bone</i>	<i>1</i>
3	<i>Boney</i>	<i>2</i>	9	<i>Coal</i>	<i>4</i>
4	<i>Charcoal</i>	<i>1/4</i>	10	<i>Bone</i>	<i>1 1/4</i>
5	<i>Coal</i>	<i>14</i>	11	<i>Coal</i>	<i>2 1/2</i>
6	<i>Charcoal</i>	<i>3/4</i>		TAPE	<i>75</i>

NOT SHIPPED *3, 8, 10* NOT INCLUDED CAN SAMPLE

PHYSICAL PROPERTIES BY NOS. *(1) Fine Grey Sandy Shale*
(2) (5) (7) (9) (11) Black Shiny Long Grained Coal
(3) Not Persistent.
Calcite on Vertical Faces.

ROOF *Shale, Treacherous.*
 FLOOR *Five clay Soft.*
 DIP *Less than 3 1/2%* CLEAT
 FAULTS, ETC. *Frequent, Running N.E.-SW*
 MACHINES *None*
 HAULAGE *Gathering Mules*
3- 6 Ton Motors

2x4" Timber in Rooms.
30# Iron on Main Haul
16# " Mule Entries
 CARS

DRAINAGE
 WORKING SYSTEM *Room + Pillar*
 ENTRIES, MAIN *9* CROSS *9* ROOMS *30*
 PILLARS, MAIN CROSS ROOM *10-12*
 DRAWN *No* TIMBERS *Round Posts in Timber sets.*

Note also: Variation in coal, impurities, roof, structure. *545* *(2713)*
 Collect records, analyses, fossils. Note land values, etc. *2313*
 Used *Holmes Steam Car Hoist* for Empties foot of Shaft.

Heering #2.

Brattice: Material: - Sandy Shale, with clay or Cement Facing. Both Main & Cross Entries.

Character: Leaky.

Sprinkling: Watercar with 150 Gallon Capacity.

1 Carload per 400 ft of Roadway

Frequency: - once each Week.

2 Men & 1 Mule in 8 hours wet 10 Carloads.

Used for roads only, which in places were quite dusty.

Electrical Equipment for Motors. Voltage 250

Bonding within Fishplates Crossbonding around Switches only. 1st switch from bottom 1200'.

3 Motors; Type Westinghouse + Morgan Gardner. wgt, 6 Tons. Gradient $< 3\frac{1}{2}\%$.

Trolley Wires 4" outside Rail & 4' to 6' High.

Props: Size: 4"-6" Kind: - All. Cost: $\frac{1}{2}$ ¢ less than 1¢ per foot.

Cost per ton: - in Rooms, 4 Rows 3' apart.

Ties: Size 3"x5" Kind: All, Hewn. Cost 6¢

Sample Air R.Y.W #53 Bottle # 8918 - $\left\{ \begin{array}{l} \text{CO}_2 = 0.0\% \\ \text{O}_2 = 21.1\% \\ \text{CO} = .07\% \end{array} \right.$

Location: Split of Complete Return foot of Coal Shaft.

Area 7x16 Velocity 118 Quantity 13,216

Barometers: - Outside 28.39 Inside 28.72

Hygrometers: - Wet $54\frac{1}{4}^\circ$ Dry $55\frac{3}{4}^\circ$

Relative Humidity

Water per 1000 cuft.

CO₂ - 0.0 CO - 0.7 O₂ - 21.1 CH₄ - 0.0

Sample Air: - R.Y.W #54 Bottle # 8917 $\left\{ \begin{array}{l} \text{CO}_2 = 0.2\% \\ \text{O}_2 = 20.82\% \\ \text{CO} = 0.08\% \end{array} \right.$

Location: Face 1st West Entry off 4th N.W. Entry.

Old Workings

Outside Hygrometer Wet 44° Dry 46° Raining₂

Relative Humidity

Water per 1000 cuft.

Bad Practices

Mine Roads very dusty in places.

Roads Not Clean

No troughs at Switches for Trolley Wires.

All Rooms Shot from Solid with Cor F. Powder.

Rooms not driven on points.

Mine Not Working on day of Inspection.

(2713)
2313



COAL MINE NOTES.

COUNTY *Vermilion* TOWN *Steelton* MAP No. *2713*
T. *18N* R. *12W* S. *13 W 1/2 of NE 1/4*
OPERATOR *Brazil Block Coal Co. Dering Coal Co*
OFFICE *Chicago.*
MINE *#2*

TIPPLE
ENGINES
BOILERS
DRUM
SHAFT
HAULAGE
CARS
VENTILATION

CAGE

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

(2713)
2313



COAL MINE NOTES.
CONTINUED.

OPERATOR *Brazil B.C.Co.* MINE # *2*
 ENTRANCE *shaft* NAME OF COAL BED * *6*
 ELEVATION *685* - (Est. top map) THICKNESS OF COAL
 DEPTH TO FLOOR *215* MAX. MIN. AV.
 ALTITUDE OF COAL
 LOCATION OF SECTION

No.	SECTION.	In.	SAMPLE No.	SECTION
1				Feet
2				
3	<i>685</i>			
4	<i>215</i>			
5	<i>475</i>			
6	<i>685</i>			
7	<i>215</i>			
8	<i>475</i>			
9				
10				
11				
12				
Tape		Total		
			NOT SHIPPED	
			NOT INCLUDED	

PHYSICAL PROPERTIES BY NUMBERS

ROOF

FLOOR

DIP

FAULTS, ETC.

GAS

COLLECTOR

REFERENCE

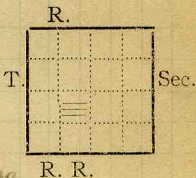
COUNTY NO. *546*

DATE *1-7-08*
(2713)
2313



COAL MINING INVESTIGATIONS
COOPERATIVE AGREEMENT

Mine Name or No., *Dering #2*
2 mile SW from Westville
Operator, 1914 *Dering Coal Co.*



Operator, 191

Entrance, Shaft. Elev. *691.5* ft. } above,
Depth to bottom coal, *196.1* ft. Alt. *495.4* below,

*Too high
for T.M. 680*

*680
100
490*

SURFACE DATA.

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

No quick sand

- C. Outcrops, (1) Character, See
- (2) Structure, See
- (3) Fossil horizons See
- Collection No.,
- (4) Evidences of subsidence, *many.* See
- D. Note collection of mine maps, drill records and shaft logs.

See drill record sheet.

- E. Notes on surrounding area,

COUNTY NO. *545*

See

Coal bed name: Local, Survey

Collector, State No.

Mine, Co. Co-op. No.



UNDERGROUND DATA

F. Thickness of rock above bed worked,
 (1) Important variations,

See

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

Roof.

See

- (1) Position, *on top of coal.*
- (2) Character, *Sandy shale.*
- (3) Persistence, *over mine*
- (4) Other workable coal beds,

See

H. Cap rock,

- (1) Thickness,
- (2) Height above coal,

See

I. Immediate roof

Gray sandy shale

- (1) Thickness,
- (2) Contact with coal, *yes.*

(3) Horizontal variation,

variable amounts sand

See

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

No.

(3) Persistence

K. Coal bed: Max. *8'-0"* Min. *5'-6"* Av. *6'-5"* inches

(1) Benches, *2.*

(a) Position, *14' to 18' from floor*

(b) Persistence,

over part of mine

See

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

Sulphur ~~small~~ not a great amount. except in NW part.

See

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

Rolls.

See

(a) Effect on mining,

very important

See

SECTION				
Ft.	In.	Name	Index	Sym.

Collector, Coal, State No.
 Mine, Co. Co-op. No.



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 *fire clay.*
- (2) Thickness *2" to 2 1/2'*
 - (3) Variation
 - (4) Note character, condition, tendency to heave, relation to undercutting commercial value.
- no trouble with heaving*
- below hard pan. prob. Ls.*
- See
- (5) Clay sample No. Location,
- 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.

Mine,

Co.

Co-op. No.