

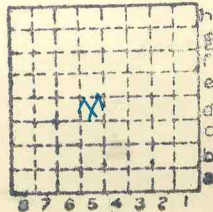


Form 180

Borden C.

~~#1~~ #2

243.



Sec. 21

T.	3	N
		S.
R.	6	E.
		W.

Index No.

Mine Index 3620

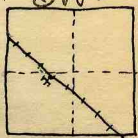


1721

COAL MINE NOTES.

COUNTY *St. Clair*
 T. *35*
 OPERATOR *Boarders Coal Co.*
 OFFICE *Marissa.* (abandoned)
 MINE *Boarders Mine #2*
 TIPPLE *Wooden.*
 ENGINES *Springfield Direct acting. Cylinders. 16" x 30"*
 BOILERS
 DRUM *Cast Iron 4'*
 SHAFT *7' x 12' single compartment.* CAGE *Large H & H Self dump.*
 HAULAGE *Mules.*
 CARS *Wooden capacity*
 VENTILATION

MAP No. *2723*
N 50° E S. 21 N 6. 4 SW 4



USED IN COOP. REPT. 1912

Blakesley - Duquoin Fan. 15'-5' blades.
 DRAINAGE *Pump 4 hrs. in 24.*
 SPRINKLING
 WORKING SYSTEM *Room & Pillar*
 MINING METHODS *Machine Mined. Sullivan punchers, 8 Machines.*
Middle hole, Flank hole 6 1/2'. Top hole. 4 1/2 rib.
Powder Dupont F.F. Will change to F. Less than 2# for a single shot.
 SIZE OF ENTRIES—MAIN *14'* CROSS *Rock Top 21'* ROOM *25'* NECK *45°*
Shale" 8
 SIZE OF PILLARS—MAIN CROSS ROOM
 SHAFT CHAIN BARRIER
 AMOUNT OF TIMBERING *Very little 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 *Shaker and Revolving Screens.* RESCREENED
 SIZES *Shaker. 1 1/4", 2, 2 1/2", 6" Round mesh Rev. S. 5/8" + 1" round.*
 PER CENT *2" retains 67%*
 PROPORTION AND SIZE OF WASHED COAL
 DAILY OUTPUT *500 tons.*
 UTILIZATION *Steam Coal.*
 MARKETS
 FREIGHT RATES *Chicago \$1.00, E. St. Louis 42¢*

GEN'L COAL REPT. 243

SELLING PRICES AT MINE
 COAL LAND OWNED LEASED HELD IN FEE
 COST OF LAND OWNED LEASED HELD IN FEE
 ADDITIONAL NOTES *Storage bins 250 tons capacity. 3 bins 7/8"; 1" pea. 2" nat.*

2723 1721



COAL MINE NOTES.
CONTINUED.

1721

OPERATOR *Boarders Coal Co.* MINE *Boarders Mine #2*
 ENTRANCE *Shaft.* NAME OF COAL BED # *6*
 ELEVATION THICKNESS OF COAL
 DEPTH TO FLOOR *61* MAX. MIN. AV. *6'*
 ALTITUDE OF COAL
 LOCATION OF SECTION

No.	SECTION.	In.
1	<i>Ls. 2'</i>	
2	<i>Black smith coal</i>	<i>18</i>
3	<i>Parting</i>	<i>1/8"</i>
4	<i>Coal.</i>	<i>24</i>
5	<i>Sulphur + Shale</i>	<i>1/4</i>
6	<i>Coal</i>	<i>13 1/2</i>
7	<i>Sulphur</i>	<i>1/8</i>
8	<i>Coal</i>	<i>4 1/2</i>
9	<i>Sulphur Blue Band.</i>	<i>1 1/2</i>
10	<i>Coal</i>	<i>18</i>
11	<i>Fire Clay 2'</i>	
12		
Tape		Total <i>73</i>

SAMPLE No.

CAN No.

CONDITION

GROSS WEIGHT

TIME EXPOSED

NOT SHIPPED

NOT INCLUDED

SECTION



PHYSICAL PROPERTIES BY NUMBERS

#10 Has a mixture of sulphur + clay known as black jack.

ROOF

FLOOR

DIP

FAULTS, ETC.

GAS

COLLECTOR *Udden*

REFERENCE *N.B. 138, P. 22*

~~1724~~ 1721

DATE *6-22-08*



COAL MINE NOTES.
CONTINUED.

OPERATOR *Boarders Coal Co.* MINE *Boarders Mine #2*
 ENTRANCE *Shaft.* NAME OF COAL BED #6. 1721
 ELEVATION *425 Topog.* THICKNESS OF COAL 6
 DEPTH TO FLOOR 61. MAX. MIN. AV.
 ALTITUDE OF COAL *370 (top of coal)* USED IN COOP. REPT. 7, 1912.
 LOCATION OF SECTION *4th room off 1st West.* COUNTY

No.	SECTION.	In.
	<i>slate</i>	
1	<i>Rock</i>	<i>9'</i>
2	<i>Slate (clod)</i>	<i>1"</i>
3	<i>Coal</i>	<i>53</i>
4	<i>Blue Band</i>	<i>1/2</i>
5	<i>Coal</i>	<i>17</i>
6	<i>Fire Clay.</i>	
7		
8		
9		
10		
11		
12		
Tape		Total

*425
55
370*

SAMPLE No. *G 36*

CAN No.

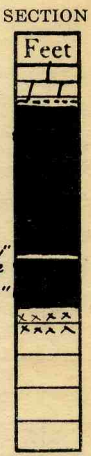
CONDITION *53"*

GROSS WEIGHT

TIME EXPOSED *1/2
17"*

NOT SHIPPED

~~NOT~~ INCLUDED *3x5*



PHYSICAL PROPERTIES BY NUMBERS

*Sulphur Knife edge in #3 section.
Coal is softer here than at Mine #1*

ROOF *Ls 9; Clod 1"; Good. Some time has a little slate in roof, It is then limey and contains pots. Roof good*
 FLOOR

DIP

FAULTS, ETC.

GAS

COLLECTOR *Grout*

REFERENCE *H.B. 7, P. 33*

1721

DATE



COAL MINE NOTES.
CONTINUED.

OPERATOR *Boarders Coal Co.* MINE *Mine Boarders #2*
 ENTRANCE *shaft* NAME OF COAL BED #6. *1721*
 ELEVATION THICKNESS OF COAL
 DEPTH TO FLOOR *61* MAX. MIN. AV. *6'*
 ALTITUDE OF COAL *61.5*
 LOCATION OF SECTION

No.	SECTION.	In.
1	<i>Ls</i>	<i>2'</i>
2	<i>Coal</i>	<i>14</i>
3	<i>Sulphur</i>	<i>1/8</i>
4	<i>Coal</i>	<i>28</i>
5	<i>Sulphur and Slate</i>	<i>1/8 to 1/4</i>
6	<i>Coal</i>	<i>16</i>
7	<i>Blue Band</i>	<i>1</i>
8	<i>Coal</i>	<i>16</i>
9	<i>Fire Clay</i>	<i>2'</i>
10		
11		
12		
Tape		Total

SAMPLE No.

CAN No.

CONDITION

GROSS WEIGHT

TIME EXPOSED

NOT SHIPPED

NOT INCLUDED

SECTION



PHYSICAL PROPERTIES BY NUMBERS

#2 ~~or~~ blacksmith coal, hard and glassy. Occasionally a sulphur ball will be found when root changes from shale to rock.

Main coal about 3' with sulphur bands scattered thru it reaching at times a thickness of 1/4" dull luster and rather hard. Blue Band 1" to 1 1/4"

ROOF *2 1/2" Black Slate. 0'-3'; Soapstone 0'-3' not a great amount but very slippery and full of rolls.*

FLOOR *Fire Clay 2 1/2 to 4' Ls 5' ±*

DIP *Coal dips NE. 10% or 1 in 100'*

FAULTS, ETC.

GAS

COLLECTOR *Udden*

REFERENCE *N.B. 138, 22*

1721

DATE *6-22-08*



No other coal encountered in shaft. 1721

Rolls go into Coal at times 1' to 1 1/2'.

A washout or old river valley, in width about 15'. Gravel and stumps of trees are found in this wash out about an inch in diameter. No horse backs or clay veins noted.

Section

1.	Surface Material	18'-20'
2.	Soapstone	4'-5'
3.	Lo rock dark gray.	5'-5 1/2'
4.	Red sand	4'-5'
	Water	
5.	hard rock	18"
6.	Soapstone	9'-10'
7.	Black slate	12'
8.	Coal	6'
9.	Fire clay	2 1/2'
10.	limestone	4 1/2' ±

Log of shaft



COAL MINING INVESTIGATION

Cooperative Agreement

Operator, Borders Coal Co. Date, 8-30 1912

Mine, Borders #1 Located 1/2 miles SE from Marissa

Location in mine, East Room off South entry -

Total (vertical) depth from surface at point of sampling 125'

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 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
X 1	Roof - Limestone		
2	Coal - clean - bright	1	4 1/2
3	Pyrite -		1/4
4	Coal - dirty	287	3 1/2
X 5	Pyrite		3/8
6	Coal - very dirty	1	8 1/2
X 7	Pyrite		3/8
8	Coal - bony - dirty		4
X 9	Blue band bone-shale-pyrite		1 1/2
10	Coal - fairly clean - hard	1	7
X 11	Floor - fire clay	Total	6

Is coal wet or dry? Dry

Time exposed, 45 hours, 30 minutes.

Weight, 45# gross, net.

What are the impurities, and how do they occur. bone,

What are shipped? 2, 3, 4, 6, 8, 10 pyrite, shale-dirt in

What are excluded from sample? 1, 5, 7, 9, 11 hor. streaks

Coal bed, #6

#5524

Town, Marissa Mine, Borders Co. Borders

Sample No. 80 (sub) Can No. M.E. 24 No. 80

I. -- COAL SAMPLE SHEET. Sampler. Smith + Np 1727



COAL MINING INVESTIGATION

1727

Cooperative Agreement

Operator, Borders Coal Co ✓ Date, Aug 30 1912

Mine, Borders #1 ✓ Located 1/4 miles SE from Marissa

Location in mine, Room #8 North 6th E off N ✓

Total (vertical) depth from surface at point of sampling
125 ✓

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 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
X 1	Roof-Black Shale		
X 2	Pyrite + bone		2 1/4 ✓
3	Coal-clean-bright	1 -	3 1/4
4	Pyrite	285	1/4
5	Coal-fairly clean		10
6	Pyrite		1/4
7	Coal-fairly clean-bright	1	4
8	Bone + Pyrite		1/4
10	Coal-fairly clean	1	4
X 11	Bone + Shale - blue band	Total	1 1/2 ✓
12	Coal - dirty	1	11
X 13	Floor fireclay	Total	7 - 1 ✓

Is coal wet or dry? Dry ✓
 Time exposed, _____ hours 30 minutes.

Weight, 45 # 0 gross, _____ net.

What are the impurities, and how do they occur. bone

What are shipped? 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 Shale, pyrite

What are excluded from sample? 1, 2, 11, 13 In bands.

Coal bed, No. 6 ✓

#5525

STOLAR

Town, Marissa Mine, Borders Co. Coal Co

Sample No. 80B(6) Can No. M.E. 18 No. 80B(6)

I.--COAL SAMPLE SHEET. Sampler, Nebelsmith 1727