



Mine originally operated by: (1)

Bethel Coal Co.

Date

1933 L-6

Original name or number: Bethel

Illinois Coal Report 1933 p.

LATER OPERATORS

Date

Operator

Name or No.

2 1940 Lamless & Miller

3

4

5

6

7

8

9

10

11

12

13

14

* Also owners

#See ownership sheet

~~Railroad Wagon, Idle, Abandoned~~

Shaft Mine

Local Mine

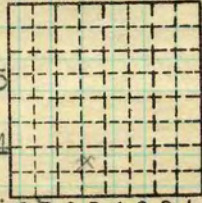
IDENTIFICATION L-6

County No.

Coal No. 5

Quad. Tallula (159) Part 4

County Sangamon (Pl. Plain)



Sec. 25

T. 17 N.

R. 8 W.

Index No.

06N25 b5

COAL MINE OPERATOR

LOCAL MINE



Bethel Coal Co.

(Sheets)

COAL PRODUCTION

(Sheet)

Period						Tons	
Mo.	Day	Year	Mo.	Day	Year		
		1939				5	717
		1940				3	900
		1941				2	860
		1942					903
		1943			Idle		

SUMMARIES

No.	to	No.				

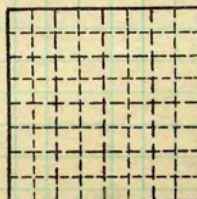
Railroad, Wagon, Idle, Abandoned

IDENTIFICATION *L-6*

County No. Coal No. *5.*

Quad. *Tallula* Part *4*

County *Sangamon*



Sec. *25*
 T. *17* N.
 R. *8* W.

Index No. *06N25 b5*

COAL MINE—PRODUCTION



LOCATION AND ELEVATION

Location: *in field* side R. R.
by E.T. Benson side R. R.
W side Highway No. *123*

on top. map Location sheet

Elevation: Method, 1. Est. (*Topographic*) _____ ft. *612*
2. Inst. (kind _____) _____ ft.

By *E.T. Benson* Data sheet

DEPTH

Authority *John Williamson, owner* To coal *100* ft.
Authority Rail to rail _____ ft.
Top of coal above rail. (Est. Rule) *6* ft.
To coal *100* ft.

ALTITUDE OF TOP OF COAL

By estimated data _____ *512* ft.
By instrumental data _____ ft.

Thickness

Max. *72* in. Min. *60* in. Aver. *68* in.

GEOLOGICAL DATA

Mine notes, date *None* _____
Coop No. _____ Pyr. inv. _____ Coal Ash inv. _____

CHEMICAL DATA

Analyses	Face	U. I.	B. M.	Others
Car	U. I.	B. M.	Others	
Org. Sulf	U. I.	B. M.	Others	
Ash fusion	U. I.	B. M.	Others	
Ash anal.	U. I.	B. M.	Others	
	U. I.	B. M.	Others	

Classification

Misc. tests: Coking. _____ Cleaning _____ Boiler _____

Published descriptions:— *None MI 624 B62 or Sup.*

~~Railroad~~, Wagon, ~~Idle~~, ~~Abandoned~~

LOCAL MINE

IDENTIFICATION *L-6*

County No. _____ Coal No. *5*

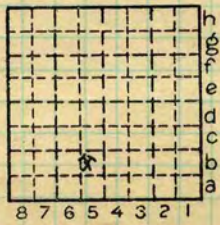
Quad. *Tallula (159)* Part *4*

County *Sangamon*

Bethel Coal Co. - Pleasant Plains

COAL MINE LOCATION AND DATA

(34215-1M-3-30) ~~7~~



Sec. *25*
T. *17* N.
R. *8* W.
Index No.

06N25.5b



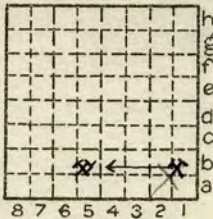
Location and Elevation Data

Location: Exact Approximate
 (Approximate only if no trace of record of original exists)
 Location by Dept Mines & Minerals Benson
 Date..... Notebook No..... Page.....
 Looseleaf ref.....
 Map files No. Division Top. Map. Files

Description of Location

Position in sec., 1/4 sec., 40 acres

.....feet from North line
feet from East line
feet from South line
feet from West line



Sec. 25
 T 17 N.
 R 8 E.
 W.

Other description: L-6
 NW: ~~SW~~ NW SE SE SW
 1942

Farm.....
 No.....
 Company Bethel Mine
 No.....
 County No. 45

Elevation 612 ft. { JVH. 9100 617 HL.
 By E.T.G.

Method: Level, transit, alidade, hand level
 Field est.

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

Map files No.....
 Description of item: (drill hole, mine, etc.) shaft mine LOCAL MINE
 105' to 68" of #5 coal
 County Sangamon Quadrangle Tallula Index No. 06N25 b5

August 14, 1934

Bethel Coal Co - NE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$, sec 25, T17N, R8W

Mining No. 5 coal probably - averages 55" thick.

Sample #1

Can No. 1
1088 PP

Face of main South entry - 150' S of shaft

Floor - dark gray underclay - 6' thick average

Roof - Black slate with many concretions = 36'

Coal rather soft - easy to cut down

- This sample has much calcite in vertical veins running through it - discarded where possible

Height of section by rule = 63 $\frac{1}{2}$ "Height of section by tape = 65 $\frac{1}{4}$ "

Time - 50 minutes in all - 30 minutes for sample

Sample #2

Can No. 72
1096 PP

Face of Runaround - 50' S and 30' E of shaft

Floor: gray fireclay - 6' thick on average

Roof: black slate but very many concretions visible here - fewer than at 1st place

Coal soft and easy to cut

Pyrite bands thicker here than at first place - several bands which are $> \frac{1}{4}$ " (see tape)

Height of coal by rule = 67"

Height of coal by tape = 67 $\frac{5}{16}$ "

Time 55 minutes in all - 35 minutes for sample

Sample #3

Can No. 73
1099 PP

Face of 1st E off Main N - 70' N and 70' E of shaft

Floor: gray underclay - 6' thick average

Roof: smooth black slate - no concretions visible in entry

Coal harder here than at 2 previous places

Pyrite very minor in amount - least of 3 samples

Height of coal by rule = 68 $\frac{1}{2}$ "Height of coal by tape = 69 $\frac{3}{32}$ "

Time 55 minutes in all - 35 minutes for sample

Bethel Coal Co.

John Williamson - owner and manager

Local wagon mine - shaft sunk in November, 1933
Produced only 203 T. in 1933 (Coal Report, P. 152)

Have 43A. of coal to mine, assuming coal underlies whole tract. Shaft is located about 100' S of boundary line mine to be worked on room and pillar system. Have turned no rooms as yet as only development work has been done so far. Should start active mining operations this winter. At present are working only 7 men underground but will probably increase this force to 25 in winter.

Depth to coal in shaft = 100'. Coal averages about 5'8", and have 6'0" slump below coal. Total depth of shaft is 112'0"

Had 80' of drift before striking rock in shaft. Approximately 20' feet of rock over coal, so apparently are not far distant from outcrop.

Roof over coal is black slate, smooth, firm, and standing up well. In only the south workings are concretions very common in roof slate. Near shaft and N of shaft, very few concretions seen. In 1st E entry off main North none seen at all.

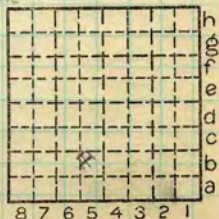
Floor is underclay, gray to dark gray, soft, breaks quite badly when wet and left for awhile. In slump at shaft which is 6' deep, had not gone through clay, so it is more than 6'0" thick.

Coal soft and dull. Very few bright bands. Fusain common, but not abundant, commonly hardened with pyrite or other mineral matter infiltration. Pyrite present in bands up to 1/2" thick as facings, in vertical veins, and as nodules (seen up to 1' x 4" in face) Calcite veins and facings up to 1/8" thick common. Breaks off easily.

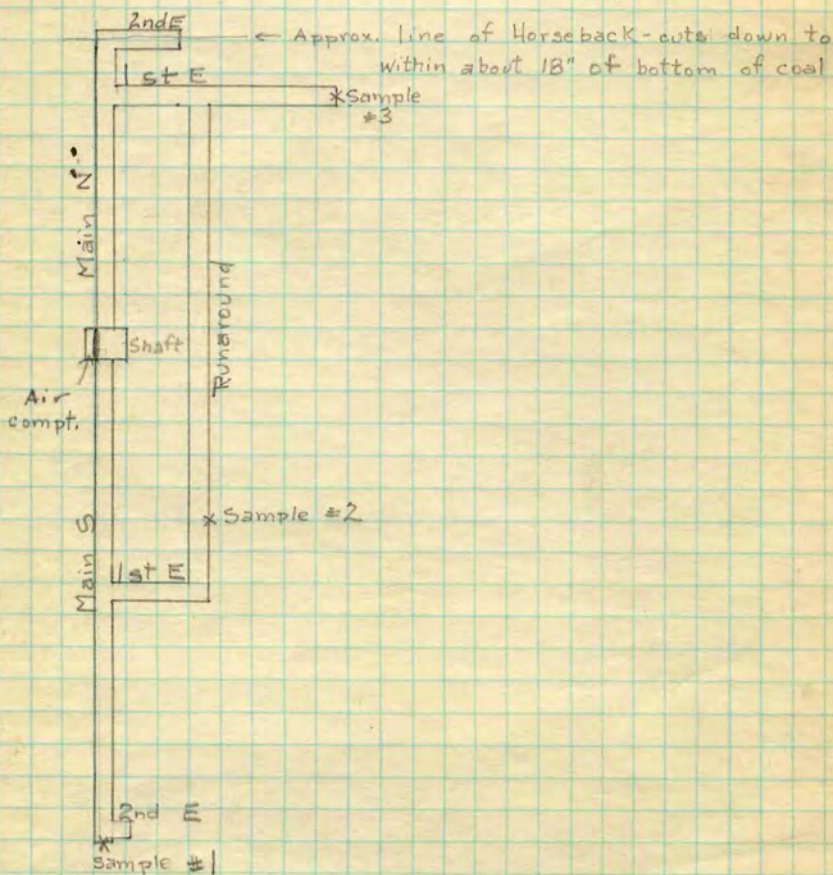
Date August 14, 1934 T. 17N R. 8W

Quad. Tallula (150) Part 4

County Sangamon Index No. 06N25



Bethel Coal Company Sketch map of Workings (8-14-1934)

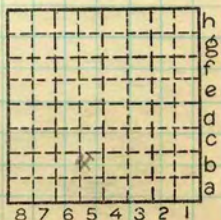


Scale: 1 square = 10 feet

Date August 14, 1934 T. 17N R. 8W

Quad Tallula (159) Part 4

County Sancamon Index No. 06N25



Operator, *Bethel Coal Co.* Date *August 14, 1934*
 Mine, *Bethel (Pleasant Plains)* Sec. *25* T. *17N* R. *8W*
 Location in mine, *Face of Main South entry, 150'S of Main Shaft*

GRAPHIC SECTION		DESCRIPTION OF SECTION (AT POINT SAMPLED)	
In.	No.	No. (Note character and thickness of roof)	Inches
		Roof: <i>black slate, smooth, firm, many concretions</i>	<i>36"</i>
		1 <i>Coal</i>	2 $\frac{21}{32}$
		2 <i>Pyrite</i>	$\frac{3}{32}$
		3 <i>Coal</i>	1
		4 <i>Pyrite</i>	$\frac{3}{32}$
		5 <i>Coal</i>	2
		6 <i>Fusain</i>	$\frac{1}{32}$
		7 <i>Coal</i>	5 $\frac{7}{32}$
		8 <i>Fusain</i>	$\frac{1}{16}$
		9 <i>Coal</i>	4 $\frac{1}{4}$
		10 <i>Fusain</i>	$\frac{3}{32}$
		11 <i>Coal</i>	$\frac{1}{2}$
		12 <i>Fusain</i>	$\frac{1}{16}$
		13 <i>Coal</i>	1 $\frac{13}{32}$
		14 <i>Fusain</i>	$\frac{3}{32}$
		15 <i>Coal</i>	9 $\frac{5}{8}$
		16 <i>Fusain</i>	$\frac{1}{16}$
		17 <i>Coal</i>	12 $\frac{3}{4}$
		18 <i>Pyrite</i>	$\frac{1}{32}$
		(Note character and thickness of floor)	
		Floor: <i>dark gray underclay - 6' aver. thkns</i>	
		Total thickness of coal	<i>65 $\frac{1}{4}$</i>
		Condition, <i>Moist</i>	Time, <i>hr. 30 min.</i>
		Wt. Gross, <i>lbs.</i>	Net, <i>40 lbs.</i>
		What Nos. shipped by Co.?	<i>1, 3, 5 - 23, 25 - 27, 29, 31 - 33, 35, 37</i>
		Excluded from sample: No.	<i>2, 4, 24, 28, 30, 34, 36</i>
		Sample represents <i>64 $\frac{25}{32}$ in.</i>	<i>tons.</i>
		Impurities? How do they occur?	<i>Pyrite bands, reinlets, and facings, pyritic fusain; calcite veins and facings</i>

(1 division = 3 in.)

Sample No. *1* Can No. *1088 PP* Lab. No. XXXX
 Collector, *E.T. Benson and W.C. McCabe* Coal: Survey No. *5*
 Mine, *Bethel (Pleasant Plains) Co. Sangamon* Index No. *06 N.S. 5b*
 R. COAL SAMPLE SHEET.

19	Coal	5	$\frac{1}{4}$
20	Fusain		$\frac{1}{16}$
21	Coal	1	$\frac{1}{2}$
22	Fusain		$\frac{1}{4}$
23	Coal		$\frac{15}{32}$
24	Pyrite		$\frac{1}{32}$
25	Coal	3	$\frac{7}{32}$
26	Fusain		$\frac{1}{32}$
27	Coal	1	$\frac{11}{32}$
28	Pyrite		$\frac{1}{16}$
29	Coal	1	$\frac{5}{32}$
30	Pyrite		$\frac{1}{32}$
31	Coal	4	$\frac{15}{32}$
32	Fusain		$\frac{1}{4}$
33	Coal	2	$\frac{3}{16}$
34	Pyrite		$\frac{1}{8}$
35	Coal		$\frac{1}{4}$
36	Pyrite		$\frac{1}{32}$
37	Coal	4	$\frac{3}{8}$
		65	$\frac{1}{4}$

Operator, *Bethel Coal Co.*

Date *August 14, 1934*

Mine, *Bethel (Pleasant Plains)*

Sec. *25*

T. *7N*

R. *8W*

Location in mine, *Face of Runaround, 50'S and 30'E of Shaft*

GRAPHIC SECTION		DESCRIPTION OF SECTION (AT POINT SAMPLED)	
In.	No.	No. (Note character and thickness of roof)	Inches
		Roof: <i>Black slate, few concretions</i>	<i>42</i>
		<i>1 Coal</i>	<i>4 1/32</i>
		<i>2 Pyrite</i>	<i>1/32</i>
		<i>3 Coal</i>	<i>15/16</i>
		<i>4 Fusain</i>	<i>1/16</i>
		<i>5 Coal</i>	<i>9 17/32</i>
		<i>6 Pyritic fusain</i>	<i>3/32</i>
		<i>7 Coal</i>	<i>1 19/32</i>
		<i>8 Hard fusain</i>	<i>1 1/32</i>
		<i>9 Coal</i>	<i>2 3/8</i>
		<i>10 Pyrite and pyritic fusain</i>	<i>9/16</i>
		<i>11 Coal</i>	<i>11 1/32</i>
		<i>12 Pyrite</i>	<i>3/32</i>
		<i>13 Coal</i>	<i>1 5/16</i>
		<i>14 Pyritic fusain</i>	<i>1 1/32</i>
		<i>15 Coal</i>	<i>4 3/8</i>
		<i>16 Pyrite</i>	<i>1/10</i>
		<i>17 Coal</i>	<i>3 9/16</i>
		<i>18 Very bright vitrain band</i>	<i>1 1/32</i>
		(Note character and thickness of floor)	
		Floor: <i>gray underclay - 6' arer. thickness</i>	
		Total thickness of coal	<i>67 5/16</i>
		Condition, <i>Moist</i>	Time, <i>hr. 35 min.</i>
		Wt. Gross, <i>lbs.</i>	Net, <i>40 lbs.</i>
		What Nos. shipped by Co.? <i>1-5, 7-9, 11, 13, 15-19, 21, 23, 25-27, 29</i>	
		Excluded from sample: No. <i>6, 10, 12, 14, 20, 22, 24, 28</i>	
		Sample represents <i>65 1/16'</i>	in. tons.
		Impurities? How do they occur? <i>Pyrite in bands, facings and nodules; pyritic fusain bands; calcite veins</i>	

(1 division—3 in.)

Sample No. *2*

Can No. *72/1096 PP* Lab. No.

Collector, *F. T. Benson and N. C. McCabe*

Coal: Survey No. *5*

Mine, *Bethel (Pleasant Plains) Co.*

Index No.

Sangamon

06N 5.3b

R. COAL SAMPLE SHEET.

19	Coal	6	$\frac{1}{8}$
20	Pyrite		$\frac{3}{16}$
21	Coal	1	$\frac{1}{32}$
22	Pyritic fusain		$\frac{5}{32}$
23	Coal	1	$\frac{9}{32}$
24	Pyrite		$\frac{5}{32}$
25	Coal	2	$\frac{29}{32}$
26	Fusain		$\frac{5}{32}$
27	Coal	2	$\frac{19}{32}$
28	Pyrite		$\frac{7}{32}$
29	Coal	11	$\frac{1}{16}$
		<hr/>	
		67	$\frac{5}{16}$

This is a list of items found in the
 collection of the University of
 Michigan. The items are listed
 in the order in which they were
 found. The list is not complete
 and is subject to change.

Operator, *Bethel Coal Co.*

Date *August 14, 1934*

Mine, *Bethel (Pleasant Plains)*

Sec. *25*

T. *17N* R. *8W*

Location in mine, *Face of 1st East off Main North, 70' N and 70' E of shaft*

GRAPHIC SECTION		DESCRIPTION OF SECTION (AT POINT SAMPLED)	
In.	No.	No. (Note character and thickness of roof)	Inches
		Roof: <i>Black slate, smooth, firm - no concretions</i>	<i>36</i>
		1 Coal	<i>5 5/16</i>
		2 Fusain	<i>3/32</i>
		3 Coal	<i>2 1/2</i>
		4 Fusain	<i>1/16</i>
		5 Coal	<i>4 2/32</i>
		6 Very bright vitrain band	<i>1/8</i>
		7 Coal	<i>7 1/2</i>
		8 Vitrain band	<i>7/16</i>
		9 Coal	<i>2 3/4</i>
		10 Very bright vitrain band	<i>9/32</i>
		11 Coal	<i>2 1/32</i>
		12 Pyritic fusain	<i>5/32</i>
		13 Coal	<i>2 13/32</i>
		14 Hard fusain	<i>1/8</i>
		15 Coal	<i>2 25/32</i>
		16 Fusain	<i>1/8</i>
		17 Coal	<i>13/16</i>
		18 Pyrite	<i>1/16</i>
		(Note character and thickness of floor)	
		Floor: <i>gray under clay, 6' aver. thickness</i>	
		Total thickness of coal	<i>69 3/32</i>

Condition, *Moist* Time, *hr. 35* min.

Wt. Gross, lbs. Net, *40* lbs.

What Nos. shipped by Co.? *1-11, 13-17, 19, 21-23, 25-29, 31-39, 41*

Excluded from sample: No. *12, 18, 20, 24, 30, 40*

Sample represents *68 17/32* in. tons.

Impurities? How do they occur? *Pyrite bands, veinlets, and facings; calcite veins and facings*

(1 division = 3 in.)

Sample No. *3*

Can No. *73 (1099 PP)* Lab. No.

Collector, *E. T. Benson and W. C. McCabe*

Coal: Survey No. *5*

Mine, *Bethel (Pleasant Plains) Co.*

Index No.

R.—COAL SAMPLE SHEET.

Sangamon

06N25.5b

19	Coal	7	$\frac{21}{32}$
20	Pyrite		$\frac{1}{16}$
21	Coal	1	$\frac{7}{32}$
22	Pyrite		$\frac{1}{32}$
23	Coal	2	$\frac{5}{32}$
24	Pyrite		$\frac{1}{16}$
25	Coal		$\frac{7}{8}$
26	Pyrite		$\frac{1}{32}$
27	Coal		$\frac{3}{16}$
28	Pyrite		$\frac{1}{32}$
29	Coal	2	$\frac{29}{32}$
30	Pyrite		$\frac{1}{16}$
31	Coal	3	$\frac{9}{16}$
32	Hard fusain		$\frac{1}{8}$
33	Coal	3	$\frac{29}{32}$
34	Pyrite		$\frac{1}{32}$
35	Coal	1	$\frac{3}{32}$
36	Fusain		$\frac{1}{16}$
37	Coal	3	$\frac{15}{32}$
38	Fusain		$\frac{3}{32}$
39	Coal	3	$\frac{5}{32}$
40	Pyrite		$\frac{5}{32}$
41	Coal	5	$\frac{5}{16}$
		<u>69</u>	$\frac{3}{82}$

THESE ARE THE NAMES OF THE MINERALS
 FOUND IN THE SAMPLES OF COAL
 FROM THE MOUNTAIN DISTRICT
 IN THE STATE OF MISSISSIPPI
 BY
 J. W. WOODRUFF
 U. S. GEOLOGICAL SURVEY
 WASHINGTON, D. C.
 1908