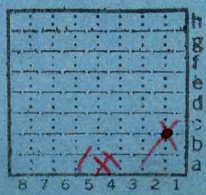


and the word

Denkent shaft is in Sec. 12

Formerly
DENKENT C.C.
Farrand C.C.

139



Sec. ~~11~~ ¹²
14 N₂
T. S₂
R. 4 E₂
W₂
Index No.



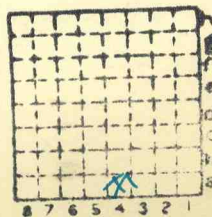
Form 180

Deukert ee

mi # 671 + 641

L-15

139



Sec. 12

T. 16 N. S.

R. 4 E. W.

Index No.



Mine originally operated by: (1)

Denkert Coal Co.

Date

1939

(1935-1936)

Original name or number:

Illinois Coal Report

p. operator's report 1948

LATER OPERATORS

Date

Operator

Name or No.

2 1948 Farrand Coal Co
River ton, Ill.

3
4 Closed in May, 55 - shaft
filled up. - 10, 1956.

52,675 tons

14 (1948)

*Also owners

#See ownership sheet

262' (1948) Railroad, Wagon, Strip, Idle, Abandoned

IDENTIFICATION

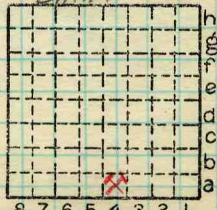
County No. _____

Coal No. 5

Coal Report No. 1-15

Quad. 157 (1948) 5'6"

County Sangamon



Sec. 12
16

T. N. *

R. 4 W. *

Index No.

1012 A4

COAL MINE OPERATOR

Denburt Coal Co.

(Sheets) COAL PRODUCTION (Sheet)

Period						Tons	
Mo.	Day	Year	Mo.	Day	Year		
		1939				24	000
		1940				26	000
		1941				29	000
		1942				27	792
		1943				28	697
		1944				33	654
		1945				31	950
		1946				29	000
		1947				40	023
		1948				52	675
		1949				51	456
		50				51	992
		1951				45	670
		1952				48	164
		1953				50	815
		1954				30	064
		1955			idle after April.	13	209

SUMMARIES

No. to, No.

Railroad, Wagon, Strip, Idle, Abandoned 1955

IDENTIFICATION

County No. _____

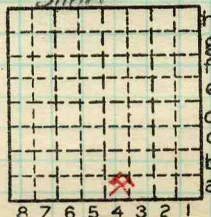
Coal No. _____

Coal Report No. L-15



Quad. 157

County Sangamon



Sec. 12

T. 16 N.

R. 4 W.

Index No.

1012 A4

COAL MINE—PRODUCTION

ILLINOIS GEOLOGICAL SURVEY, URBANA

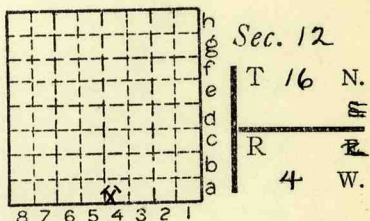
Location and Elevation Data

Location: Exact Approximate
 (Approximate only if no trace of record of original exists)
 Location by JV Howell's Sang. Co. tabulation
 Date Dec 20, 1939 Notebook No. Page
 Looseleaf ref. _____
 Map files No. _____

Description of Location

Position in sec., $\frac{1}{4}$ sec., 40 acres

_____ feet from North line
 _____ feet from East line
 _____ feet from South line
 _____ feet from West line



Other description: L-15

1942

Farm _____
 No. _____
 Company Denkert Coal Co.
 No. _____
 County No. _____

Elevation 585 ft.
 By JVH(LWC)
 Method: Level, transit, alidade, hand level
HAND LEVEL

Elevation of _____
 Height of point above ground _____
 Date _____ Notebook _____ P. _____
 Looseleaf ref. 5'-Coal } 35A ref.
54'-Shaft }
 Map files No. _____

Description of item: (drill hole, mine, etc.) Local Mine
262'6" to 5'6" Coal No 5
 County SANGAMON Quadrangle 157 Index No. 1012 A4

Operator, *Denkbert Coal Co* Date *April 13, 1937*
 Mine, *Denkbert* Sec. *11* T. *16 N* R. *4 W.*
 Location in mine, *End main n. about 200 ft. from shaft.*

GRAPHIC SECTION		DESCRIPTION OF SECTION (AT POINT SAMPLED)		
In.	No.	No.	(Note character and thickness of roof)	Inches
		1.	<i>ls. cap</i>	
	2.	2.	<i>18-24 in. black slate</i>	<i>18-24</i>
	3	3.	<i>top coal, freezes to slate</i>	<i>4</i>
		4.	<i>22 in. solid coal</i>	<i>22</i>
		5.	<i>pyrite</i>	<i>1/6</i>
	4	6.	<i>solid blocky coal</i>	<i>13</i>
		7.	<i>lustrous parting</i>	<i>1/8</i>
		8.	<i>solid coal</i>	<i>21</i>
	5	<i>log in files</i>		
	6			
	7.			
		(Note character and thickness of floor)		
	8.	Total thickness of coal.		
		Condition, <i>dry</i>	Time, <i>hr. 30 min.</i>	
		Wt. Gross, <i>60 lbs.</i>	Net, <i>lbs.</i>	
		What Nos. shipped by Co.?		
		Excluded from sample: No. <i>nothing</i>		
	9.	Sample represents <i>61 in.</i>	tons.	
		Impurities? How do they occur?		
		<i>"cat faces" of pyrite</i>		

(1 division=3 in.)

Sample No. _____ Can No. _____ Lab. No. _____
 Collector, *H.C. McCabe, C.C. Boley & E. Taylor* Coal: Survey No. *5*
 Mine, *Denkbert* Co. *Sangamon* Index No. *1012. 4-1*
 R.—COAL SAMPLE SHEET.

Operator, *Denkert Coal Co* Date *April 13, 1937*
 Mine, *Denkert Mine* Sec. *11* T. *16N.* R. *4 W.*
 Location in mine, *Room 2, off 1st east*

GRAPHIC SECTION		DESCRIPTION OF SECTION (AT POINT SAMPLED)	
In.	No.	No.	(Note character and thickness of roof) Inches
	1.	1.	limestone
	2.	2.	"black slate" (18-24 in.)
	3.	3.	top coal, freezes to roof
	4.	4.	Solid blocky coal no banded impurities
	5.	5.	Underclay
	6.	6.	Fresh water ls.
		(Note character and thickness of floor)	
		Total thickness of coal.	
		Condition, <i>dry</i> Time, <i>hr. 30 min.</i> Wt. Gross, <i>60</i> lbs. Net, <i>lbs.</i> What Nos. shipped by Co.?	
		Excluded from sample: No. <i>nothing</i> Sample represents <i>61</i> in. tons. Impurities? How do they occur? <i>pyrite in small "cat faces"</i>	

by shaft files

(1 division = 3 in.)

Sample No. Can No. Lab. No.

Collector, *C.C. Boley & E.F. Taylor* Coal: Survey No. *5*
 Mine, *Denkert* Co. *Sangamon* Index No. *1011-b1*
 R.—COAL SAMPLE SHEET. *1012-24* (12759-1000-2-29)

Operator, *Denkert Coal Co.*
 Mine, *Denkert*
 Location in mine, *2nd entry north*

Date *April 13, 1937*
 Sec. *11* T. *16N* R. *4W.*
off main

GRAPHIC SECTION		DESCRIPTION OF SECTION (AT POINT SAMPLED)	
In.	No.	No. (Note character and thickness of roof)	Inches
	1	1 ls.	
	2	2 "black slate"	18-24
	3	3. top coal freezes to roof	3 1/2
	4	4. solid coal with occasional pyrite and fusain lenses	56
	5	5. Underclay	
		(Note character and thickness of floor) Total thickness of coal.	
		Condition, <i>dry</i>	Time, hr. 30 min.
		Wt. Gross, 60 lbs.	Net, lbs.
		What Nos. shipped by Co.?	
		Excluded from sample: No. <i>nothing</i>	
		Sample represents 59 1/2 in.	tons.
		Impurities? How do they occur? <i>"cat faces" of pyrite</i>	

(1 division=3 in.)

(1 division=3 in.)

Sample No. _____ Can No. _____ Lab. No. _____
 Collector, *L.C. McCabe, C.C. Boley* Coal: Survey No. *5*
 and *E.F. Taylor*
 Mine, *Denkert* Co. *Saugamon* Index No. *1011. b. 1*
 R.—COAL SAMPLE SHEET.

Location

Shaft

Misc. Notes on Farrand Coal Co. 2475' fr. E. ln.
(Formerly Denkert Coal Co.) 165' fr. S. ln.
Sec. 12

Three samples taken July 12, 1949 by J.A. Harrison and J.A. Simon. Black slate roof generally good. Limestone over black slate ranges from 0" to about 1 foot according to Farrand (owner). Shale above limestone is very fine grained, poorly bedded and much slip fractured and is difficult to hold when the black slate and lime is broken through.

The underclay, where seen was quite firm, and had a sharp clean break with the coal. Clay showed some heaving, but not enough to constitute a problem.

Principal problem in the mine seems to be fairly frequent occurrence of "horsebacks" which not only cut ~~out~~ the coal, but also create difficulties in controlling the roof.

In the southeastern part of the workings, a fault has been encountered. According to Farrand, the fault dropped the coal down about 14 feet on the west side of the fault where encountered in the SW corner of the property. At this locality, which could not be examined closely because of fallen rock, the shale seemed to be brecciated with many calcite filled fractures. At one spot just east of the principal brecciated zone, the coal was about 2' higher on the west side of a minor normal fault.

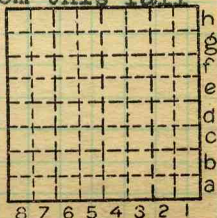
This fault runs about N. 45 degrees West, and several entries have been driven to it. At one point to the north of the location described above (100'-300') the top of the coal on the west side of a fault was found to be about level with the bottom of the coal on the east side.

The area to the west is to be leased from Peabody coal company and is to be drilled by them this fall according to Mr. Farrand.

Date July 12, 1949 T. 16N R. 4W

Quad. - Part -

County Sangamon Index No. 1012A4



Operator, **Farrand Coal Co.**Date **July 12, 1949**Mine, **(Formerly Deknker Coal Co.)** Sec. **12** T. **16N** R. **4W**Location in mine, **Approx. 2000' from S. line, 900 ft. from E. line of Sec. 12. - 150' E. of 6th S. off of Main E.**

GRAPHIC SECTION		DESCRIPTION OF SECTION (AT POINT SAMPLED)		
In.	No.	No.	(Note character and thickness of roof)	Inches
			Black shale (full thickness not exposed)	
			Coal No. 5, Total thk. 5' 4"	
			$\frac{1}{4}$" fusain band $5\frac{1}{2}$" fr. top	
			1/16" pyrite band 29" from top	
			1/16" pyrite band 39" from top	
			Slightly bony in bottom 6"	
			Floor is gray, firm underclay, forms sharp boundry with coal.	
			(Note character and thickness of floor)	
			Total thickness of coal. 5' 4"	
		Condition,	Time,	hr. min.
		Wt. Gross, lbs.	Net, lbs.	
		What Nos. shipped by Co.?		
		Excluded from sample: No.	None	
		Sample represents	64 in.	tons.
		Impurities? How do they occur?	In very thin bands - some vertical calcite filled fractures	

(1 division=3 in.)

Sample No.	#1	Can No.	Lab. No.
Collector,	J.A. Harrison, J. A. Simon		Coal: Survey No. 5
Mine,	Farrand Coal Co.	Co. Sangamon	Index No. 1012 A4

R.—COAL SAMPLE SHEET.

Operator, **Farrand Coal Co.** Date **July 12, 1949**
 Mine, **(Formerly Denkert Coal Co.)** Sec. **12** T. **16N** R. **4W**
 Location in mine, **1800' fr. S. line, 1100' fr. E. line of**
Sec. 12 - 50' S. in 5th S. off of Main E.

GRAPHIC SECTION			DESCRIPTION OF SECTION (AT POINT SAMPLED)	
In.	No.	No.	(Note character and thickness of roof)	Inches
			Shale, light gray, very fine grained, poorly bedded, much slip fractured, somewhat iron stained - only 18" exposed	18 1/2"
			Limestone, gray to dark gray, fossiliferous, very argillaceous in part	4" -10"
			Shale, black, slaty, hard, pyritic in top 2"	18"
			Limestone nodule, dark gray, fossiliferous, 3" thick, 9" across, coal strata bend slightly around nodule	
			(Over for description of coal)	
			(Note character and thickness of floor)	
			Total thickness of coal.	
Condition, Time, hr. min. Wt. Gross, lbs. Net, lbs. What Nos. shipped by Co.? Excluded from sample: No. None Sample represents 59 3/4 in. tons. Impurities? How do they occur? Pyrite in very thin bands, some small nodules and irreg. veins (latter two avoided in selecting sample location)				
(1 division=3 in.)				
Sample No. 2			Can No.	Lab. No.

Collector, **J.A. Harrison, J. A. Simon** Coal: Survey No. **5**
 Mine, **Farrand Coal Co. Co. Sangamon** Index No. **1012 A4**
 R.—COAL SAMPLE SHEET. (12759—1000—2-29)

Coal No. 5

1/16" pyrite band 27" from top
 1/32" pyrite band 32" from top
 1/32" pyrite band 36 1/2" from top
 1/4" gray shale band 3" from base
 Coal slightly bony in bottom 5"

1st Class 1st 2nd 3rd 4th
 Condition 1st 2nd 3rd 4th

(Note thickness of coal)
 (Note character and thickness of part)
 (Note for description of

strata showing
 2. shales, coal, shale part
 3. shales
 4. shales, coal, shale part

Shales to bed 5"
 Shale, black, gray, red

some in bed
 1. shales, coal, shale part
 2. shales, coal, shale part

shales - 1. shales, coal, shale part
 2. shales, coal, shale part
 3. shales, coal, shale part
 4. shales, coal, shale part

1st 2nd 3rd 4th (Note character and thickness of part) 1st 2nd 3rd 4th
 Condition 1st 2nd 3rd 4th

1st 2nd 3rd 4th 1st 2nd 3rd 4th
 1st 2nd 3rd 4th 1st 2nd 3rd 4th
 1st 2nd 3rd 4th 1st 2nd 3rd 4th

Operator, Farrand Coal Co.

Date July 12, 1949

Mine, (Formerly Denkert Coal Co.) Sec. 12 T. 16N R. 4W

Location in mine, 2200' fr. S. line, 1100' fr. E. line,
Sec. 12, 100 ft. N. of main E. in 6th N. off of Main E

GRAPHIC SECTION			DESCRIPTION OF SECTION (AT POINT SAMPLED)	
In.	No.	No.	(Note character and thickness of roof)	Inches
			Shale, light gray, fine, poorly bedded, several large slip fractures. only one foot exposed.	12 $\frac{1}{4}$ "
			Shale, black, slaty,	12 $\frac{1}{2}$ "
			Coal No. 5. - Total thkns 5'2 $\frac{1}{2}$ "	
			$\frac{1}{2}$ " fusain band 12 $\frac{1}{2}$ " fr. top.	
			Several pyrite bands each about 1/32" thick in a 1" zone 20 $\frac{1}{2}$ " from top	
			1/32" pyrite band 25 $\frac{1}{2}$ " from top.	
			1/16" pyrite band 32" from top	
			1/32" pyrite band 36 $\frac{1}{2}$ " from top	
			1/32" pyrite band 43 $\frac{1}{2}$ " from top	
			$\frac{1}{4}$ " clay band 4 $\frac{1}{2}$ " from base	
			Coal slightly bony in bottom 5"	
			(Note character and thickness of floor)	
			Total thickness of coal. 5'2 $\frac{1}{2}$ "	
			Condition,	Time, hr. min.
			Wt. Gross, lbs.	Net, lbs.
			What Nos. shipped by Co.?	
			Excluded from sample: No.	None
			Sample represents 62 $\frac{1}{2}$ " in.	tons.
			Impurities? How do they occur?	Pyrite in thin bands, more or less continuous

(1 division=3 in.)

Sample No.	3	Can No.	Lab. No.
Collector, J. A. Harrison, J.A. Simon		Coal: Survey No. 5	
Mine, Farrand Coal Co. Co. Sangamon		Index No. 1012 A4	

R.—COAL SAMPLE SHEET.

Den Kent Coal Co. Sangamon Co. 1012
No. 5 coal

(1) End. main North (200' north of shaft) 5' 3/16"

Composite

Air dry loss 11.4

Air dried As Rec'd Moist free Moist of Unit
Ash free Dry Moist

Moisture	3.1	14.1				
	38.6	34.2	39.8	45.3	43.8	36.7
:	46.7	41.4	48.2	54.7	56.2	47.0
	11.6	10.3	12.0			

Total
Sulphur

4.49	3.98	4.63	5.26
------	------	------	------

BTU.

12088	10710	12475	14171	14440	12125
-------	-------	-------	-------	-------	-------



Operator,

Farrard

Mine,

Date

7-12-49

Sec.

T.

R.

Location in mine,

Riverton

GRAPHIC SECTION		DESCRIPTION OF SECTION (AT POINT SAMPLED)			
In.	No.	No.	(Note character and thickness of roof)	Inches	
6N. off Main E. - 100' N					
			Roof - gry sh, Poorly bedded dk gry, Several large slip- fractures		
			Coal - $\frac{1}{4}$ fusane band $12\frac{1}{2}$ " from top		
			$\frac{1}{32}$ F&S - several in a 1" zone - $20\frac{1}{2}$ " from top		
			#5 $\frac{1}{32}$ F&S - $25\frac{1}{2}$ " from top.		
			$\frac{1}{16}$ " " - 32 " from "		
			$\frac{1}{32}$ " " - 36 " " "		
			Thick solid clean band		
			(Note character and thickness of floor)		
			Total thickness of coal.		
			$5\frac{1}{32}$ - $43\frac{1}{2}$ " - From Top.		
		Condition,	Time,	hr.	min.
		Wt. Gross,	lbs.	Net,	lbs.
		What Nos. shipped by Co.?			
		$\frac{1}{4}$ " hard Fusane band - $3'10"$ from top.			
		Excluded from sample: No.			
		Sample represents	in.	tons.	
		Impurities? How do they occur?			
		$\frac{1}{4}$ " clay band $4\frac{1}{4}$ " from base			

(1 division = 3 in.)

Sample No.

Can No.

Lab. No.

Collector,

Mine,

Slightly Bony Bottom 5'

Co.

Coal: Survey No.

Index No.

R.—COAL SAMPLE SHEET.

Operator, **Farrand Coal Co.**Date **July 12, 1949**Mine, **(Formerly Denkert Coal Co.)** Sec. **12** T. **16N** R. **4W**Location in mine, **1800'** fr. S. line, **1100'** fr. E. line of Sec**50' South in 5th S. off of Main E.**

GRAPHIC SECTION		DESCRIPTION OF SECTION (AT POINT SAMPLED)	
In.	No.	No. (Note character and thickness of roof)	Inches
		Shale, black, slaty, hard, contains limy and concretions, holds up well	18
		(Note character and thickness of floor)	
		Total thickness of coal.	
		Condition,	Time, hr. min.
		Wt. Gross, lbs.	Net, lbs.
		What Nos. shipped by Co.?	
		Excluded from sample: No.	
		Sample represents	in. tons.
		Impurities? How do they occur?	

(1 division=3 in.)

Sample No.

Can No.

Lab. No.

Collector,

Coal: Survey No.

Mine,

Co.

Index No.

R.—COAL SAMPLE SHEET.

Farrard Coal Co

Sample #1.

~~2200' S. line~~

2000' S. line

900' E. line

:

} S.E. cr.

Sample #2

1800' S. line

1100' E. line

} S.E. cr.

Sample #3

2200' S.)

1100' E }

} S.E. cr.

Sec 12

T 16N

R. 4W.

Riverton, Ill.

Operator, *Farrard*
 Mine,
 Location in mine,

Date *7-12-49*
 Sec. *20* T. *16N* R.

Riverton

GRAPHIC SECTION		DESCRIPTION OF SECTION (AT POINT SAMPLED)	
In.	No.	No.	Inches
		200' from Face on extended and main East - South off Main East S - 5th. off Main East - 50' south.	
		Bk. slate above Ls. nodules 3" thick 9" across. Coal band slightly ground nodules 1/16" S parting 27" from Top. 1/32" S " 32" " " 1/32" S " 36" " " 59 3/4' 5' 1/2" gr. sh. 3' from base Coal - slightly sandy in bottom Gel. soft firm clean break with 1/2" dia.	
		(Note character and thickness of floor)	
		Total thickness of coal.	
		Condition,	Time, hr. min.
		Wt. Gross, lbs.	Net, lbs.
		What Nos. shipped by Co.?	
		Excluded from sample: No.	
		Sample represents	in. tons.
		Impurities? How do they occur?	

(1 division = 3 in.)

Sample No.	Can No.	Lab. No.
Collector,		Coal: Survey No.
Mine,	Co.	Index No.

2 475' ~~##~~ E. line }
165' S. line } of S.E. cr.
1 sec. 12 } 13

Coal 1 65 2 sec. 12 13
#1 64 " T. 16 N
R. 4 W.
Location 2650 ft.

Extreme East End of Main
East - 150' E of 6 S off main E.

1/4" fusane band 5 1/2" from top.

$\frac{1}{16}$ " pyrite band 29" from Top.

1/16" " " 39" " "

Slightly bony in bottom 6".

#2 6.5.1994

75' W. of location where coal taken

25. - Shale Roof Material

18" - BK slatgr.

Pyritic in top 2"

#3 6.5. off Main E.

Somewhat
F₂ 5 x 9 in

150' W. of Facq. #1 to 3' starts
Sh. - 2' → Sh. Lt. gray, very fine, 5" layers
15' - 4" to 10" Ls. gray to dk gray
Fossil, argil.