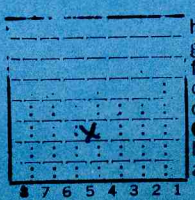
Location sheet filed

Peabody C. C., #17

COUNTY No. 296

S-7



Sec. 28 C 5

T. 11 N.

R. 1 E.

Index No.

✓ M.I. 679

Mine originally operated by: (1) Peabody Coal Co. Pana

Date
~~1950~~
1949 (Coal Age - Aug, 1950 p. 138)

Original name or number: Mine # 17

Illinois Coal Report 1954 p. 173

LATER OPERATORS

	Date	Operator	Name or No.
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			

7'1"? Coal } Q 5 A
720'- Shaft } Mf.

*Also owners #See ownership sheet

Railroad, Wagon, Strip, Idle, Abandoned Shaft 700'

IDENTIFICATION

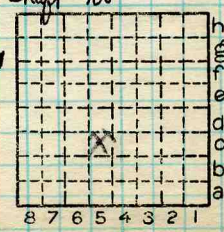
County No. 29

Coal No. 6

Coal Report No. 5-7

Quad.

County Christian



Sec. 28

T. 11 N.

R. 1 E.

Index No.

COAL MINE OPERATOR

MOORE'S MODERN METHODS

(Sheets) COAL PRODUCTION (Sheet)

Period Mo. Day Year	Period Mo. Day Year	Tons		
	1949	4	15	145
	'50		702	700
	'51	1	824	574
	'52	1	752	206
	'53	2	283	492
	1954	1	980	718
	1955	2	534	814
	1956	2	297	713
idle 12-57	1957	2	060	581
		15	451	943

SUMMARIES

No. to No.

Railroad, Wagon, Strip, Idle, Abandoned

Sec. 28

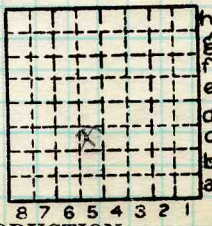
IDENTIFICATION

County No. 296 Coal No. 6

Coal Report No. S-7

Quad.

County Christian



T. 11 N.

R. 1 E.

Index No.

COAL MINE—PRODUCTION

ILLINOIS GEOLOGICAL SURVEY, URBANA

(2732—2M—7-41)

ILLINOIS STATE GEOLOGICAL SURVEY

Location and Elevation Data

Location _____ Exact _____ Approx. _____

Location by _____

Date _____ Notebook No. _____ Page _____ No. _____

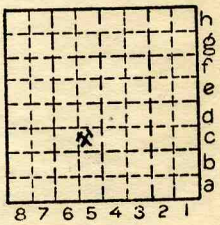
Looseleaf ref. _____ Map files No. _____

Position in sec. Mainshaft

1524 ft. from S line

495 ft. W from Center line

Other description _____



Sec. 28

T. 11 N. / S.

R. 1 E. / W.

Bed	Depth	Elev.	Thickness

Farm _____

No. _____

Company Peabody Coal Co

Mine No. 17

Card by _____ Date _____

Used in _____

County No. 296

Elevation _____ ft.

Method: Level, transit, alidade, hand level, top. map. No 6 coal

Elev. of _____ Height of point above ground _____

Date _____ Notebook No. _____ Page _____ No. _____

Looseleaf ref. _____ Map files No. _____

Year drilled 1948 Total depth _____ I. P. _____

Sample set No. _____ Electric log _____ S _____ H _____ L _____

Description (drill hole, mine, etc.) Mainshaft

Time log _____

County Christian Quad. _____ Index No. _____

(49614—5M—8-43)

28 - 11N. 1E

ILLINOIS STATE GEOLOGICAL SURVEY

Location and Elevation Data

Location ____ Exact ✓ Approx. ____

Location by obtained by R.W. Roley

Date ____ Notebook No. ____ Page ____ No. ____

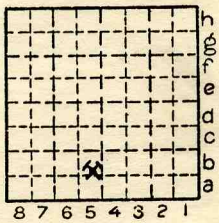
Looseleaf ref. ____ Map files No. ____

Position in sec. Airshaft

670 ft. from S line

280 ft. from W line

Other description ____



Sec. 28

T. 11 N. S

R. 1 E. W.

Bed	Depth	Elev.	Thickness

Farm ____ No. ____

Company Peabody Coal Co

Mine No. 17

Card by ____ Date ____

Used in ____

County No. 296

Elevation ____ ft.

Method: Level, transit, alidade, hand level, top. map. No 6 coal

Elev. of ____ Height of point above ground ____

Date ____ Notebook No. ____ Page ____ No. ____

Looseleaf ref. ____ Map files No. ____

Year drilled 1947-48 Total depth ____ I. P. ____

Sample set No. ____ Electric log ____ S ____ H ____ L ____

Description (drill hole, mine, etc.) Air Shaft. Mainshaft 8543 N., 214.94 W.

Time log ____

County ~~Shelby~~ Christian Quad. ____ Index No. ____

(49614—5M—8-43) 2

28 - 11N. - 1E

Peabody Coal Co.

Mine #17

Main Shaft loc - 210'N, 830'E,
SW$_c$ NE/SW-28-11N-1E

Air Shaft loc - 690'N, 330'W,
SE$_c$ SW-28-11N-1E

MI #679

SAMPLE NO. 1

Peabody CC, #17 mine
Loc. in mine: Room 15 C.entry
4S-7W 1st south
Collected by JAS-KEC 10-15-57.
Total thickness: 89"

	Inches	Inches
Coal, NBB	0	11 1/2
Coal, NBB w/several thin horizontal pyrite partings. Pyrite and calcite on vertical faces	11 1/2	20
Coal, NBB	20	35
Coal, bony w/pyrite lenses	35	36
Coal, Bright Banded w/non persistent pyritic band at 39"	36	42 1/2
Pyrite band (Excluded)	42 1/2	43
Coal, NBB, calcite prominent on vertical faces	43	58
Fusain lense	58	58 1/2
Coal NBB	58 1/2	64 1/2
Pyrite band (Excluded)	64 1/2	65
Coal NBB	65	70
Pyrite band (Excluded)	70	71
Coal, NBB	71	74
Shale, blue band (Excluded)	74	75 1/2
Coal, Bright Banded, some pyrite on vertical faces, occasional thin pyrite lense	75	84 1/2
Fusain mixed with calcite	84 1/2	85
Coal, Bright Banded	85	89

#1

Room 15 Century

4S 7W 1st ~~South~~

Total Thickness 89"

Peabody Mine - 17 JAS-KEC - 10-15-57

Coal IV BB	0	11½
Coal IV BB w/ Sev Thin horiz Pyr nods. Pyr & Calc in void faces	11½	20
Coal IV BB	20	35"
Coal, bony w/ Pyr lenses	35	36
Coal Bright Banded w/ non persistent pyritic band at 39"	36	42½
Pyr band [Excl.]	42½	43
Coal IV BB Calc from on vert faces	43	58
Fus lens ~~58~~		58½
Coal IV BB	58½	64½
Pyr band (Excl.)	64½	65
Coal IV BB	65	70
Pyr band (Excl.)	70	~~73~~ 71
Coal IV BB	71	~~74~~
Sh, blue band (Excl.)	74	75½

Room 15 C entry (2)

45 FW 1st S

Coal BB Some pyr on 75 - 84½
vert faces, Occas thin
pyr lens

Fus Mixed w/ calcite 84½ - 85

Coal Bright Banded 85 - 89

Sample #1

Sample No. 2

Peabody CC, #17 mine
Loc. in mine: C. line 2nd North Main East
Collected by JAS-KEC 10-15-57
Total thickness: 6'6½".

	- Inches -	
Coal NBB, calcite prominent on vertical faces	0	6
Coal NBB, calcite and some pyrite prominent on vertical faces, occasional lenses up to 1" thick excluded	6	29
Bony coal band	29	29 3/4
Coal Bright banded, slightly bony in part	29 3/4	35 1/2
Pyrite lense (excluded)	1/4 - 1/2	35 3/4
Coal NBB	35 3/4	43
Coal and pyrite interlaminated 1/2" to 1" thick	43	44
Coal NBB	44	54
Coal NBB, bony in part w/numerous thin pyrite bands	54	57
Coal Bright Banded	57	68 1/2
Shale (Blue Band) (Excluded) 1/2-2"	68 1/2	69
Coal NBB, hard, occasional thin pyrite parting	69	78 1/2

Room #5

C. line 2nd North Main East

6'6½"

Peabody Mine 17 JAS KEC 10-15-57

Coal NBB, Calcy prom on vert fracs	0 - 6"	
Coal NBB, Calcy & Some pyr prom on vert fracs occas lenses up to 1" thk excluded ~~11-3/4~~"	6 - 29	
Bony Coal bands	29	29¾
Coal Brgt banded, slghtly bony in pt.	29¾	35½
Pyr lens [excluded]	¼ to 2"	35-3/4
Coal NBB	35¾ - 43	
Coal & Pyr interstratified ½ to 1" thk	43	44
Coal NBB	44	54
Coal NBB, bony in pt w/ occas thin pyr bands	54 - 57	
Coal Brgt Banded	57	68½
Sh (Blue Bands) (Excl.) ½" to 2"	68½ -	69"
Coal NBB hd, occas thin pyr pts	69 -	78½

Sample #2

Sample No. 3

Peabody Coal Co., #17 mine
Loc. in mine: No. 4 Gob Room off 1st SE E. of Main East.
Collected by JAS-KEC Oct. 15, 1957.
Total thickness: 83" (Thickness of inclined face - 88½")

	- inches -	
Coal Bright Banded, calcite prominent on faces	0	14
Pyrite and coal (excluded)	14	14 1/2
Coal NBB,3/4" fusain lense 4" from top	14 1/2	23
Pyrite with several coal partings and laminae	23	23 5/8
Coal NBB, slightly bony in part	23 5/8	36
Gray shale	36	36 1/4
Coal NBB	36 1/4	47
Coal NBB with several pyrite lenses up to 1/4" thick	47	51
Coal NBB	51	61
Pyrite and coal thinly interlaminated	61	61 1/2
Coal NBB	61 1/2	65
Bony coal w/thin pyrite lenses	65	65 1/2
Coal NBB	65 1/2	68 1/2
Pyrite band	68 1/2	68 5/8
Coal NBB	68 5/8	71
Pyrite and bony coal (excluded)	71	71 1/2

P. 2 Sample 3 con't.

	- inches -	
Coal NBB	71 1/2	74 1/2
Shale, gray, bony, w/coaly streaks (excluded)	74 1/2	76
Coal NBB	76	83 1/2
Fusain band	83 1/2	86
Coal NBB	86	88 1/2

Sample #3

Peabody Mine-17 JASKEC 10-15-57

No 4 Gob Room

Off 1st SE E. of Main East

83" total Thickness (Thickness of inclined face 88½")

Coal Brgt Bands, coke from fines, Pyr a Coal (Excl.)	0 -	14"
	14 -	14½
Coal NBB 3/4" fus lens 4" from top	14½ -	23"
~~Fus lens~~ Pyr w/ sev coal ptgs & lenses	23 -	23 5/8
Coal NBB, slgt bony in pt	23 5/8	36"
Gy sh	36	36¼
Coal NBB	36¼	47
Coal NBB w/ sev pyr lenses up to ¼" Thk	47	51
Coal NBB	51	61
Pyr & Coal thinly interlaminated	61	61½
Coal NBB	61½	65
Bony coal w/ thin pyr lenses	65	65½
Coal NBB	65½	68½
Pyr band	68½	68 5/8
Coal NBB	68 5/8	71
~~Bony coal & pyr~~ Pyr & Bony coal (Excl.)	71	71½
Coal NBB	71½	74½

Sh, 9½, bony w/coaly slks (excl.)	74½	76
Coal NBB	76	83½
Fus band	83½	84
Coal NBB	86	88½

Inclined thickness 89½"

Operator, Peabody Coal Co. Date Apr. 18, 1951

Mine, No. 17 Sec. 28 T. 11N R. 1E

Location in mine,

Room 6, 6th W off 3rd S^{W}

GRAPHIC SECTION			DESCRIPTION OF SECTION (AT POINT SAMPLED)	
In.		No.	No. (Note character and thickness of roof)	Inches
			Coal, normally bright banded w/ ½" pyrite nodule from 2-2½" from top.	3 3/8
			Fusain and pyrite	1/8
			Coal, normally bright banded, w/ many vitrain bands up to ¼" thick, Calcite and some pyrite on vertical fractures, ¼" bony coal 57"-57¼", occ. thin pyrc. lens	26 1/2
			Pyrite and bony coal	½
			Coal, normally bright banded	4 ½
			Fusain, mineralized with calcite	1/2
			Coal, normally bright banded	2 5/8
			Pyrite band	1/8
			Coal, normally bright banded	11 5/8
			Pyrite and shale band	3/8
			Coal, norm. brt. banded, pyrite & calcite on vert. fract.	7
			Fusain band	3/4
			Coal, normally bright banded	1 3/4
			Shale, gray "blue band"	3/4
			Coal, normally brt banded, occ. fusain bands ⅛-¼", occ. vitrain bands to ½"	9 5/8
			Pyrite	1/8"
			Coal, norm. brt. banded, thin pyrite stks, calcite filled fractures (vertical)	4 1/4
			Fusain band	¼
			Coal, normally bright banded	3 ¼
			(Note character and thickness of floor)	
			Total thickness of coal	78"

(1 division = 3 in.)

Condition, Face Time, hr. min.

Wt. Gross, lbs. Net, 50± lbs.

What Nos. shipped by Co.?

Excluded from sample: No. Nothing

Sample represents 78 in. tons.

Impurities? How do they occur? Shale bands, and pyrite lenses, bands, & nodules

Sample No. ONE Can No. Lab. No.

Collector, JA Simon Coal: Survey No. 6

Mine, Peabody No. 17 Co. Christian Index No. 1728C5

R.—COAL SAMPLE SHEET.

MOORE'S MODERN METHODS

Operator, Peabody C. C. Date Apr. 18, 1951

Mine, #17 Sec. 28 T. 11N R. 1E

Location in mine, Room 6, 6th W off 3rd SW

GRAPHIC SECTION			DESCRIPTION OF SECTION (AT POINT SAMPLED)	
In.		No.	No. (Note character and thickness of roof)	Inches
			Coal, normally bright banded w/½" pyrite nodule from 2-2½" from top	3 3/8
			Fusain and pyrite	1/8
			Coal, normally bright banded, w/many vitrain bands up to ¼" thick, calcite and some pyrite on vertical fractures, ¼" bony coal 57" - 57½", occasional thin pyritic lens	26 1/2
			Pyrite and bony coal	1/2
			Coal, normally bright banded	4 1/2
			Fusain, mineralized w/calcite	1/2
			Coal, normally bright banded	2 5/8
			Pyrite band	1/8
			Coal, normally bright banded	11 5/8
			Pyrite and shale band	3/8
			Coal, normally bright banded, pyrite and calcite on vertical fracture	7
			Fusain band	3/4
			Coal, normally bright banded	1 3/4
			Shale, gray "blue band"	3/4
			(Note character and thickness of floor)	
			Total thickness of coal (see next page)	

(1 division = 3 in.)

Condition, Face Time, hr. min.

Wt. Gross, lbs. Net, 50 ± lbs.

What Nos. shipped by Co.?

Excluded from sample: No. Nothing

Sample represents 78 in. tons.

Impurities? How do they occur? Shale bands, and pyrite lenses, bands, and nodules

Sample No. one Can No. Lab. No.

Collector, J. A. Simon Coal: Survey No. 6

Mine, Co. Index No.

R.—COAL SAMPLE SHEET.

Page 1 con't.

Operator, Peabody C.C. Date 4/18/51

Mine, #17 Sec. 28 T. 11N R. 1E

Location in mine, Room 6, 6th W off 3rd SW

GRAPHIC SECTION			DESCRIPTION OF SECTION (AT POINT SAMPLED)	
In.		No.	No. (Note character and thickness of roof)	Inches
			Coal, normally bright banded, occ.fusain bands 1/8-¼" occ.vitrain bands to ½"	9 5/8
			Pyrite	1/8
			Coal, normally bright banded, thin pyrite streaks, calcite filled fractures (vertical)	4 1/4
			Fusain band	1/4
			Coal, normally bright banded	3 1/4
				78"
			(Note character and thickness of floor)	
			Total thickness of coal	

(1 division = 3 in.)

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?

Sample No. Can No. Lab. No.

Collector, Coal: Survey No.

Mine, Co. Index No.

R.—COAL SAMPLE SHEET.

MOORE'S MODERN METHODS

Operator, Peabody Coal Co. Date Apr. 18, 1951

Mine, No. 17 Sec. 28 T. 11 N R. 1 E

Location in mine,

Room 2 off 1st E. off 6th S off 4th W

GRAPHIC SECTION			DESCRIPTION OF SECTION (AT POINT SAMPLED)	
In.		No.	No. (Note character and thickness of roof)	Inches
			(Roof - 18"± Coal left for roof)	
			Coal, norm. brt banded, vitrain bands up to ½" thick thin vertical calcite filled fractures, a ¼" lens pyritized fusain at base, a ⅛" pyrite lense 7⅝" from base.	12 ½
			Coal, norm. brt. banded with vitrain bands up to 1" thick, vertical fractures filled with calcite, pyrite and Kaolinite(?)	21 ¾
			Coal, norm. brt. banded	9 ½
			Fusain, mineralized with calcite	¼"
			Coal, norm brt banded with occ. thin pyrite lens, vertical fractures filled with calcite & Kaolinite(?)	4 7/8
			Pyrite and Coal band	⅜
			Coal, normally bright banded	2
			Coal, bony and gray shale, mixed	¾
			Coal, normally bright banded	1 ⅜
			Fusain, mineralized with calcite	⅜
			Coal, norm. brt. banded	1 ¼
			Shale, gray, with thin Coal streaks "blue band"	1 ¼
			Coal, norm brt. banded.	2 ⅜
			Pyrite band	⅛
			Coal, norm. brt. banded with vert. calcite filled fractures	9 ½
			Fusain, mineralized with calcite	⅜
			Coal, norm. brt. banded with vertical calcite filled fractures	3 5/8
			Fusain, mineralized with calcite	½
			Coal, norm bright banded	2 ½
			(Note character and thickness of floor)	
			Total thickness of coal	74 ¼

(1 division = 3 in.)

Condition, Face Time, hr. min.

Wt. Gross, lbs. Net, lbs.

What Nos. shipped by Co.?

Excluded from sample: No. Nothing

Sample represents 74 1/4 in. tons.

Impurities? How do they occur? Shale bands, and pyrite lenses, bands, and nodules

Sample No. TWO Can No. Lab. No.

Collector, JA Simon

Mine, Peabody No. 17 Co. Christian

R. COAL SAMPLE SHEET.

Coal: Survey No. 6

Index No. 1728 C5

MOORE'S MODERN METHODS

Operator, Peabody C. C. Date Apr. 18, 1951

Mine, #17 Sec. 28 T. 11N R. 1E

Location in mine, Room 2 off 1st E. off 6th S off 4th W

GRAPHIC SECTION			DESCRIPTION OF SECTION (AT POINT SAMPLED)	
In.		No.	No. (Note character and thickness of roof)	Inches
			(Roof - 18" Coal left for roof)	
			Coal, normally bright banded, vitrain bands up to ½" thick thin vertical calcite filled fractures, a ¼" lens pyritized fusain at base, a 1/8" pyrite lense 7 5/8" from base.	12 1/2
			Coal, normally bright banded with vitrain bands up to 1" thick, vertical fractures filled with calcite, pyrite and Kaolinite(?)	21 3/4
			Coal, normally bright banded	9 1/2
			Fusain, mineralized w/calcite	1/4
			Coal, normally bright banded w/occasional thin pyrite lens, vertical fractures filled w/calcite or Kaolinite(?)	4 7/8
			Pyrite and coal band	3/8
			Coal, normally bright banded	2
			Coal, bony and gray shale, mixed	3/4
			Coal, normally bright banded	1 3/8
			Fusain, mineralized with calcite	3/8
			Coal, normally bright banded	1 1/4
			(Note character and thickness of floor)	
			Total thickness of coal	
			see next page	

(1 division = 3 in.)

Condition, Face Time, hr. min.

Wt. Gross, lbs. Net, lbs.

What Nos. shipped by Co.?

Excluded from sample: No. Nothing

Sample represents 74 1/4" in. tons.

Impurities? How do they occur? Shale bands, and pyrite lenses, bands, and nodules

Sample No. Two Can No. Lab. No.

Collector, Coal: Survey No. 6

Mine, Co. Index No.

R.—COAL SAMPLE SHEET.

Page 2 con't.

Operator, Peabody C. C. Date Aug. 18, 1951

Mine, #17 Sec. 28 T. 11N R. 1E

Location in mine, Room 2 off 1st E. off 6th S. off 4th W

GRAPHIC SECTION			DESCRIPTION OF SECTION (AT POINT SAMPLED)	
In.		No.	No. (Note character and thickness of roof)	Inches
			Shale, gray, w/thin coal streaks "blue band"	1 1/4
			Coal, normally bright banded	1 3/8
			Pyrite band	1/8
			Coal, normally bright banded w/vertical calcite filled fractures	9 1/2
			Fusain, mineralized w/calcite	3/8
			Coal, normally bright banded w/vertical calcite filled fractures	3 5/8
			Fusain, mineralized w/calcite	1/2
			Coal, normally bright banded	2 1/2
				74 1/4
			(Note character and thickness of floor)	
			Total thickness of coal	

(1 division = 3 in.)

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?

Sample No. Can No. Lab. No.

Collector, Coal: Survey No.

Mine, Co. Index No.

R.—COAL SAMPLE SHEET.

Operator, Peabody Coal Co. Date Apr. 18, 1951

Mine, No. 17 Sec. 28 T. 11 N R. 1 E

Location in mine,

Room 19, 6th E. off main N.

GRAPHIC SECTION			DESCRIPTION OF SECTION (AT POINT SAMPLED)	
In.		No.	No. (Note character and thickness of roof)	Inches
			(Roof - 18" ± Coal)	
			Coal, normally banded	40 ½
			Pyrite Nodule (Not Sampled)	1 ½
			Coal, normally banded	16 ¼
			Coal, bony	¾
			Coal, normally banded	2
			Shale, md. gray, carbonaceous "Blue Band"	2
			Coal, normally banded	10"
			(Note character and thickness of floor)	
			Total thickness of coal	

(1 division = 3 in.)

Condition, Face Time, hr. min.

Wt. Gross, lbs. Net 50± lbs.

What Nos. shipped by Co.?

Excluded from sample: No. 1 1/2" pyrite nod.

Sample represents 73 in. tons.

Impurities? How do they occur? Shale bands, and pyrite lenses, bands, & nodules.

Sample No. THREE Can No. Lab. No.

Collector, GM Wilson & RJ Helfinstine Coal: Survey No. 6

Mine, Peabody No. 17 Co. Christian Index No. 1728 C5

R.—COAL SAMPLE SHEET.

MOORE'S MODERN METHODS

Operator, Peabody C. C. Date Apr. 18, 1951

Mine, #17 Sec. 28 T. 11N R. 1E

Location in mine, Room 19, 6th E. off Main N.

GRAPHIC SECTION			DESCRIPTION OF SECTION (AT POINT SAMPLED)	
In.		No.	No. (Note character and thickness of roof)	Inches
			(Roof - 18" ± Coal)	
			Coal, normally banded	40 1/2
			Pyrite nodule (not sampled)	1 1/2
			Coal, normally banded	16 1/4
			Coal, bony	3/4
			Coal, normally banded	2
			Shale, medium gray, carbonaceous "blue band"	2
			Coal, normally banded	10
			(Note character and thickness of floor)	
			Total thickness of coal	

(1 division = 3 in.)

Condition, Face Time, hr. min.

Wt. Gross, lbs. Net, 50- lbs.

What Nos. shipped by Co.?

Excluded from sample: No. 1 1/2" pyrite nodule

Sample represents 73 in. tons.

Impurities? How do they occur? Shale bands, and pyrite lenses, bands, and nodules

Sample No. three Can No. Lab. No.

Collector, G.M. Wilson & R.J. Helfinstine Coal: Survey No. 6

Mine, Co. Index No.

R.—COAL SAMPLE SHEET.

MOORE'S MODERN METHODS

Operator, Peabody Coal Co. Date April 18, 1951
Mine, No. 17 Sec. 28 T. 11N R. 1E
Location in mine,
1st E. off 6th N., Room 18

GRAPHIC SECTION			DESCRIPTION OF SECTION (AT POINT SAMPLED)	
In.		No.	No. (Note character and thickness of roof)	Inches
			(Roof 18" ± Coal)	
			Coal, normally bright banded	19 3/4
			Shale, gray	3/4
			Coal, normally bright banded	16 1/2
			Pyrite nodule (not sampled)	1
			Coal, normally bright banded	11 3/4
			Pyrite band	1/4
			Coal, thin pyrite streaks	5"
			Coal, bony and shale	1
			Coal, normally bright banded	2
			Shale, gray "Blue Band"	1
			Coal, normally bright banded	9
			Coal with thin pyrite streaks	2
			Coal, normally bright banded	3
			Coal, bony	1
			Coal, normally bright banded.	2
			(Note character and thickness of floor)	
			Total thickness of coal	76

(1 division = 3 in.)

Condition, Face Time, hr. min.
Wt. Gross, lbs. Net, lbs.
What Nos. shipped by Co.?
Excluded from sample: No. 1" pyrite nodule
Sample represents in. tons.
Impurities? How do they occur? Shale bands, and pyrite lenses, bands, and nodules

Sample No. FOUR Can No. Lab. No.

Collector, GM Wilson & RJ Helfinstine Coal: Survey No. 6
Mine, Peabody No. 17 Co. Christian Index No. 1728 05
R. COAL SAMPLE SHEET.

MOORE'S MODERN METHODS

Operator, Peabody C. C. Date April 18, 1951

Mine, #17 Sec. 28 T. 11N R. 1E

Location in mine, 1st E. off 6th N., Room 18

GRAPHIC SECTION			DESCRIPTION OF SECTION (AT POINT SAMPLED)	
In.		No.	No. (Note character and thickness of roof)	Inches
			(Roof 18" Coal)	
			Coal, normally bright banded	19 3/4
			Shale, gray	3/4
			Coal, normally bright banded	16 1/2
			Pyrite nodule (not sampled)	1
			Coal, normally bright badded	11 3/4
			Pyrite band	1/4
			Coal, thin pyrite streaks	5
			Coal, bony and shale	1
			Coal, normally bright banded	2
			Shale, gray "blue band"	1
			Coal, normally bright banded	9
			Coal w/thin pyrite streaks	2
			Coal normally bright banded	3
			Coal, bony	1
			Coal, normally bright banded	2
			(Note character and thickness of floor)	
			Total thickness of coal	76

(1 division = 3 in.)

Condition, Face Time, hr. min.

Wt. Gross, lbs. Net, lbs.

What Nos. shipped by Co.?

Excluded from sample: No. 1" pyrite nodule

Sample represents in. tons.

Impurities? How do they occur? Shale bands, and pyrite lenses, bands, and nodules

Sample No. Four Can No. Lab. No.

Collector, G.M. Wilson & R.J. Helfinstine Coal: Survey No. 6

Mine, Co.. Index No.

R.—COAL SAMPLE SHEET.

Peabody Coal Co. No. 17 Mine, Pana
April 18, 1951

This mine was visited by GM Wilson, JA Simon, and RJ Helfinstine this date for the purpose of obtaining face samples from approximately four extremities of the mine in connection with the problem of excess slagging of the boilers at the Powerton Plant of Commonwealth Edison as the result of using this coal.

Since the power plant is using unwashed screenings, nothing was removed from the samples taken except in samples three and four where local pyrite nodules were removed.

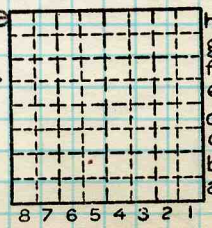
The roof at the site of all four samples was reported to be about 18" of coal as it is the current practice to leave coal for roof support. There is still experimental operations to learn the best means of handling the roof. It was reported, but not observed, that in certain rooms, less coal is being left, and in some cases no coal with roof bolting being relied on for support of the roof. In general, use is made of roof bolts alone, timbering alone, and combinations of the two. It was noted that in a succession of several rooms being actively worked, no timbering of any kind was employed. In one rockfall observed, there occurred about eight feet of gray shale

(continued)

By _____ Date 4/18/51

Quad. Pana Part _____

County Christian



Sec. 28
T. 11 N.
R. 1 E.
Index No. 172805

Peabody Coal Co. No. 17 Mine, Pana

with occasional large nodules up to more than one foot across. An occasional slickensided surface was seen. The shale fell up to the limestone above. This shale is reported to be from three to fifteen or more feet in thickness.

In the portions of the mine observed, the mine was dry. Many of the coal surfaces were damp, however and in some instances, sufficient water was seeping to form small drops. At these localities, the water had a distingtly salty taste. At one place, a thin layer of salt crystals was observed on the coal face. The occurrence of water was not markedly greater in any part of the mine - ie the portion bordering the mined out area to the north was not apparently receiving that water as far as could be ascertained.

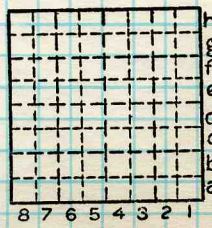
At one point sampled (sample 1) bottom coal was being left (2"±) for greater bottom firmness - considerable use is being made of buggies to load out coal from the working places.

Production as of this date averages about 8500 tons per day on two shifts. About 1/3 of the coal is being washed.

By..... Date.....

Quad..... Part.....

County.....



Sec.
T. N. S.
R. E. W.
Index No. 172805

Form 180

2845

Co. No. County Sec. T. R. T.&R.

Company Peabody C.C. No. Farm Mine No. 17 No.

Elev. of by Total depth Year ~~drld.~~ op'd '48

For M Method H Result S Type log Core desc.

Stripped Analysis Confd. Publ.

Location 1524' from S line, 495' west of center line

Core logged by

Remarks: Coal Rept No. 5-7 Abnd mine book

KEY BEDS

Code	Name	Depth	Thk.	Elev.
	6	700	8'	

NE SW sec. 25-11N-1E

opened Nov., 1949

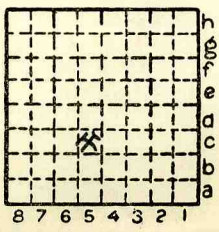
Compiled by MHP 9/57

Correlations

by basis

Date Quad.

County Christian Co. No. 296



Sec. 28 C5

T. 11 N.

R. 1 E.

(41289—5M—8-56) 2

John C. Moore Corporation, Rochester, N. Y. Binder and holes in leaves Patented.
Form 180
2845

Co. No. 296 County CHRISTIAN Sec. 28 T. 11 N R. 1 E T.&R.

Company PEABODY C. C. No. 17 Farm No.

Elev. of by Total depth Year drld. 1949 ~~1948~~

For M Method H Result 5 Type log Core desc.

Stripped Analysis Confd. Publ.

Location SE/4, NE/4, SW/4

Core logged by

Remarks: S-7 (SEE ~~ACTIVE~~ abnd. MINE BOOK)

KEY BEDS

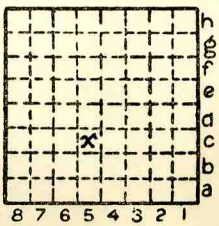
Code	Name	Depth	Thk.	Elev.	
	#6				

COMPILED BY: KLG 3-58

Correlations
by basis

Date Quad.

County CHRISTIAN Co. No. 296



Sec. 28 C5
T. 11 N. S.
R. 1 E. W.

(41289—5M—8-56) ATLAS REPRODUCIBLE TRACING CLOTH 2