John C. Moor Corporation, Rochester, N. Y. Binder and holes in leaves Patented



Form 180 Blue

Location shed filed

Peabody C. C. , #17

COUNTY No. 276

5-1



Index No

VM.I. 679

	John	C.	Mod	ore C	orpo	rati	on,	Rocl	este	r, N	. Y.	Bin	der a	nd l	hole	s in	leav	es P	aten	ted.	FOR	M	401	500			
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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		Iap files No	
	Position in sec.	Mainshat	2+
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Bed Depth	Elev. Thickness		
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		Company Peab	ody Coal Co
		Mine	_No17
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Method: Level, transit,	alidade, hand level, to	op. map. No	obcoel
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(49614—5M—8-43)			
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ILLINOIS STATE GEOLOGICAL SURVEY

Location and Elevation Data

Location Exact Approx.

Location by obtained by R.W. Roley	
DateNotebook No	PageNo
Looseleaf ref	_Map files No
Position in a Constitution of the Position in a Position i	sec. Airshaft Sec. 28
Bed Depth Elev. Thickness	
	No
	Mine No. 17
Card byDate	
Used in	
Method: Level transit alided hard level	
Method: Level, transit, alidade, hand level,	top. map. No 6 coal
Elev. ofHeight of point above :	ground
DateNotebook No	PageNo
Looseleaf ref	_Map files No
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Time log	114173 Mart 0 07.43 N., 214.9 + W.
County States Chrutan Quad. (49614-5M-8-43)	Index No

Reabody Coal Co.

Mine #17

Main Shaft loc - 210'N, 830'E,

SWc NE/SW-28-11N-1E

H

Air Shaft loc - 690'N, 330'W,

SEc SW-28-11N-1E

MI# 679

SAMPLE NO. 1		
Peabody CC, #17 mine Loc. in mine: Room 15 C.entry		
45-7W 1st south		
Collected by JAS-KEC 10-15-57.		
Total thickness: 89"		
Coal, NBB		Inches
Coal, NDB	0	11 1/2
Coal, NBB w/several thin horizontal	11 1/2	20
pyrite partings. Pyrite and cal-		
cite on vertical faces		
Coal, NBB	20	35
	20	00
Coal, bony w/pyrite lenses	35	36
Coal, Bright Banded w/non persistent pyritic band at 39"	36	42 1/2
pyritte band at 35	30	46 1/6
Pyrite band (Excluded)	42 1/2	43
Coal, NBB, calcite prominent on verti-	A 17	50
cal faces	43	58
Fusain lense	58	58 1/2
Coal NBB	58 1/2	64 1/2
Pyrite band (Excluded)	64 1/2	65
Tyrree band (Excruded)	04 1/2	0.5
Coal NBB	65	70
Pyrite band (Excluded)	70	71
Coal, NBB	71	74
Joan, N. J.		
Shale, blue band (Excluded)	74	75 1/2
Coal, Bright Banded, some pyrite on vertical faces, occasional thin	43	
pyrite lense	75	84 1/2
	84 1/2	
Fusain mixed with calcite		85
Coal, Bright Banded	85	89

#1 1800m 15 Centry 45 7W 157 South Total Thickness 89" Peabody Mine - 17 JAS-KEC - 10-15-57 Coal NBB 0-11/2 Cool IVBB w/sev Thigy v hour par pigs. Pyv a Cole in void faces 112-20 Cool NBB 20 - 3511 Cool, pony of pyr leuses 35 36 Coal Bright Bander w/ non persisted pyrtc band at 36 42/2 Pyr band [Excl] 422-43 Coal NBB Calc prom 43-58 Fus lons ______ 58-7 58-1/2 . Coal NBB 582-,64/2 Pyr band (Excl.) 642-65 Coal N 1513 65 70 Pyr bang (Excl.) 70 - 35 71 Coal IVBB 71 74 sh, blue bond (Excl.) 74 751/2

Room 15 Centry 43 9W 157 5 Coal BB Some pyron 75-841/2 vent faces, Occas Thin pyr leas 842-85 Fus Mind of calcute Coal Bright Barded 85-83 Sample #1

Sample No. 2

Sample No. 2		
Peabody CC, #17 mine Loc. in mine: C. line 2nd North Main E	ast	
Collected by JAS-KEC 10-15-57		
Total thickness: 6'62".	- Inc	hes -
Coal NBB, calcite prominent on vertical faces	0	6
Coal NBB, calcite and some pyrite pro-		
minent on vertical faces, occasional lenses up to 1" thick excluded	6	29
Tenses up to 1 thick excluded		
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 6'6/2" Heabody Mine 17 JAS KEC 10-15-57 Coal NBB, Calet prom on vert fuers 0-6" Coal NBB, Calct & some pyo proson on very func 6 - 29 occas lesses up to 1'thk excluded the 1991.

Bony Coal band 29 2934 293/4 .351/2 Coal Brat budd, slatty bony in pt. Pyr lens [excluded] 14 1.2" 353/4 Coal IUBB 353/4 - 43 Coal a Pyr intertamualed 1/2 1 1" the 43 44 44 54 Coal NBB Cool NBB, bony in pt of acousthing py1 pads 54-57 57 68/12 Coal Brat Budg Sh (Blue Bana) (Excl.) 1/2 to 2" 682 - 19" 69 - 78/2 Coal NBB hal, occas this pyx ptg Somple #2

Sample	No.	3
--------	-----	---

	1	
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 incline	d face -	882")
	- in	hes -
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 laminae	23	23 5/8
Coal NBB, slightly bony in part	23 5/8	36
Coal Nob, singuity bony in part	20 0/0	
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
a 1 wpp	51	61
Coal NBB	51	
Pyrite and coal thinly interlaminated	61	61 1/2
Coal NBB	61 1/2	65
	65	65 1/2
Bony ceal w/thin pyrite lenses	68	00 1/2
Coal NBB	65 1/2	68 1/2
Pyrite band	68 1/2	68 5/8
	68 5/8	
Coal NBB	00 0/0	1
Pyrite and bony coal (excluded)	71	71 1/2

P. 2 Sample 3 con't.	- in	ches -
Coal NBB	71 1/2	74 1/2
Shale, gray, bony, w/coaly streaks (excluded)		
	74 1/2	
Coal NBB	76	83 1/2
Fusain band	83 1/2	86
Coal NBB	86	88 1/2

Peabody Mine-17 JASKEC 16-15-57 No 4 Gob Brown Off 1st SE E. of Main East Cool But Budy cost prom in fras, 0-1 1411 14/2 Coal NBB 3/4" fees lans 4" form top

Fres tous
Fre Coal ptgs & language 142-23 239/8 23 -Coal NBB, sigt hong in at 23 3/8 36" 36/4 Gy sn 36 Coal NBB 47 36/4 Cool NBB of sev pyr leases up to 14" The 47 51 COOI NBB 61 51 Pyr a Coal that niviened 61 6/1/2 COOLNBB 65 6/2 Bmy coal w/ this pyr louses 65 1/Z 65 COOI NBB 652 6812 pyr bnd 682 685 685/8 Coal NBB 71 Bony ever a par Pyra Bony coal 71 711/5 Coal NBB 712 741/2

54,94, bony a / coaly 5/ks (Excl.) 74' 76 AR COOL NBB 76 832 Fus bad 832 84 Coal NBB 86 88% inclined thicknes 891/2"



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 SW

1100	om b, btn worr 3rd S"
GRAPHIC SECTION	DESCRIPTION OF SECTION (AT POINT SAMPLED)
In. No.	No. (Note character and thickness of root) Coal, normally bright bunded wit "pyrite 3 3/8 No. (Note character and thickness of root) No. (Note character and thickness of root) Coal, normally bright bunded with "pyrite" Coal, normally bright banded, with many vitram 26 1/2 bunds up to 1/4 "thick taleste and some pyrite on vertical fractures, 1/4" bong coal 57"-57"/4", occ, thin pyric, less 1/4" bong coal 57"-57"/4", occ, thin pyric, less 1/4" bunded bright banded 4"" Fusdin, mineral red with calcute 20% 8 Pyrite and bong coal auith calcute 20% 8 Pyrite band bright banded 1/5% 8 Pyrite band bright banded 1/5% 8 Coal, normally bright banded 1/5% 8 Coal, normally bright banded 1/5% 8 Shale, gray "blue banded socc. Fusain bands to 1/2" Coal, normally bright banded 1/5% 8 Pyrite Coal, normally bright banded 1/5% 8 Pyrite Coal, normally bright banded 1/5% 1/4% 1/4% 1/5% 1/5% 1/5% 1/5% 1/5% 1/5% 1/5% 1/5
(1 division=3 in.)	Condition, Face Time, hr. min. Wt. Gross, lbs. Net, 50 Hbs. What Nos. shipped by Co.? Excluded from sample: No. Nothing Sample represents 78 in. Impurities? How do they occur? Shale bands, and pyrite lenses, bands, & nodules
Sample No. ONE	Can No. Lab. No.

Collector, JA Simon
Mine, Peabody No. 17 Co. Christian
R. COAL SAMPLE SHEET.

Coal: Survey No. 6
Index No. 1728C5



Sec.

Peabody C. C. Operator, #17

Date Apr. 18, 1951 28 T. 11N R. 1E

Index No.

Location in mine,

Mine,

Room 6, 6th W off 3rd SW

In.	No.	No. (Note character and thickness of roof)	Inch
in.	140.	Coal, normally bright banded w/2" pyrite	3 3/
		nodule from 2-23 from tep	1 "
		Fusain and pyrite	1/
		Coal, normally bright banded, w/many vitrain	26 1/
		bands up to in thick, calcite and some py-	
		rite on vertical fractures, 4" bony coal	
		57" - 57½", occasional thin pyritic lens	
		Pyrite and bony coal	1/
		Coal, normally bright banded	4 1/3
		Fusain, mineralized w/calcite	1/
		Coal, normally bright banded	2 5/
		Pyrite wand	
		Coal, normally bright banded	11 5/
		Pyrite and shale band	3/
		Coal, normally bright banded, pyrite and cal- cite on vertical fracture	32
		Fusain band	3/
		Coal, normally bright banded	1 3/
		Shale, gray "blue band" (Note character and thickness of floor)	3/
		Total thickness of coal (see next page)	
		Condition, Face Time, hr. min.	
		Wt. Gross, lbs. Net, 50 tlbs.	
		What Nos. shipped by Co.?	
		Excluded from sample: No. Nothing	
		Sample represents 78 in. tons.	
(1 division 3	in.)	Impurities? How do they occur? Shale bands, an lenses, bands, and nodules	d pyri
ample No.	one	Can No. Lab. No.	

Co.

R.__COAL SAMPLE SHEET.

Mine,



Page I con't.

Operator, Peabody C.C.

Date 4/18/51

Mine, #17

Sec. 28 T. 1

T. 11N R. 1E

Location in mine,

Room 6, 6th W off 3rd SW

**************************************		om o, ota w on sid ow	
GRAPHIC	SECTION	DESCRIPTION OF SECTION (AT POINT SA	MPLED)
In.	No.	No. (Note character and thickness of roof)	Inches
		Coal, normally bright banded, occ.fusain bands ecc.vitrain bands	/8-¼" te å"
		Pyrite	1/8
		Coal, normally bright banded, thin pyristreaks, calcite filled fractures (ver	
		Fusain band Coal, nermally bright banded	3 1/4
			78*
		(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. Impurities? How do they occur?	tons.
(1 division	3 in.)	Impurities: Flow do they occur:	
Sample No.		Can No. Lab. No.	
Collector,		Coal: S	urvey No.
Mine,		Co. Index N	No.
RCOAL	SAMPLE	SHEET.	



Date Apr. 18, 1951 Sec. 28 T. 11 N R. 1 E Operator, Peabody Coal Co. Mine, No. 17

Location in mine,

(Note character and thickness of roof) - 18" ± Coul left for root orm. but panded, vitrain bands up to thick thin lentical calcite filled fractures, "lears printized fusion at base, a 18" te lense 75 g" from base, nm. but banded with vitrain bands up to wick, lentical fractures filled with calcite pyrite 213 Ka clinite (2)
"lens puritized fusain at base a 18" te lense 7 % from base." rm. brt. banded with vitrain pands, up to with, Ventrus fractures filled with culcute pyrite 2,3
7, 20, 10, 10, 10, 10, 10, 10, 10, 10, 10, 1
from. brt. banded 92
1, mineralized with calcite 1/4, mm but banded with occ. thin purite wite 1/4 1/6 vertical fractores billed with calcife or knownted!) 4 1/6
and wal band 3/8 commelly bright banded 2 sony and grayshele, much 3/9 monelly bright banded 1.1
n mineralized with colcite 13/8
onm. Brt. banded ray, with thin Coal streaks "blue boand" 144
orm but banded. band orm but banded with vent, calcute 92 led fractures
, mineralized with calcute Gracture 3/8
mm. bnt. banded with vertical calcute filled, 35% mineralized with calcute mineralized with calcute (Note character and thickness of floor)
Total thickness of coal 74
tion, Face Time, hr. min.
Gross, lbs. Net, lbs.
Nos. shipped by Co.? ded from sample: No. Nothing
le represents 74 1/4 in. tons.
rities? How do they occur? Shale bands, an

Collector, JA Simon Mine, Peabody No. 17 Co. Christian R.__COAL SAMPLE SHEET.

Coal: Survey No. Index No. 28 C5



Operator, Peabody C. C.

Date Apr. 18, 1951

Mine, #17

Mine,

R.__COAL SAMPLE SHEET.

Sec. 28 T. 11N R. 1E

Index No.

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

GRAPHIC S	ECTION	DESCRIPTION OF SECTION (AT POINT SAMPLED)	
In.	No.	No. (Note character and thickness of roof) (Roof - 18nd Coal left for rood)	Inche
		Coal, normally bright banded, vitrain hands up to in thick thin vertical calcite falled	12 1/3
		fractures, a in lens pyritized fusain at	
		Coal, normally bright banded with vitrain	21 3/
		bands up to I" thick, vertical fractures	
		filled with calcite, pyrite and Kaelinite(?) Ceal, normally bright banded	9 1/3
		Fusain, mineralized w/calcite	1/
		Coal, normally bright banded w/occasional thin pyrite lens, vertical fractures filled	4 7/
		w/calcite or Kaolinite(3)	
		Pyrite and coal band Coal, normally bright banded	2 3/
		Coal, bony and gray shale, mixed	3/4
		Coal, normally bright banded Fusain, mineralized with calcite	1 3/8
		Coal, normally bright banded (Note character and thickness of floor)	1 1/4
		Total thickness of coal see next page	
		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.	
(1 division	=3 in.)	Impurities? How do they occur? Shale bands, and p	yrite
		lenses, bands, and nodules	
Sample No.	Two	Can No. Lab. No.	

Co.



Page 2 con't.

Operator, Peabody C. C.

R.__COAL SAMPLE SHEET.

Date Aug. 18, 1951

Mine, #17

Sec. 28 T. 11N R. 1E

GRAPHIC	SECTION	DESCRIPTION OF SECTION (AT PO	INT SAMPLED	0)
In.	No.	No. (Note character and thickness of roo	of)	Inc
	114	Shale, gray, w/thin coal streaks	blue band"	1
		Coal, normally bright banded		1
		Pyrite band		
		Coal, normally bright banded w/ver cite filled fractures	Cical cale	9
		Fusain, mineralized w/calcite		
		Coal, normally bright banded w/ver	tical cal-	3
		cite filled fractures		
		Fusain, mineralized w/calcite		
		Coal, normally bright banded		2
				74
		(N. 1		
		(Note character and thickness of flo	oor)	
		I otal thickness of coal		
		Condition, Time, h	r. min.	
		Wt. Gross, lbs. Net,	lbs.	
		What Nos. shipped by Co.?		
		Excluded from sample: No.		
		Sample represents in.	tons.	
		Impurities? How do they occur?	COMB	
(1 division	3 in.)			
ample No.		Can No. Lab. N	0.	
ollector,			Coal: Survey N	Jo.
line,		Co.	Index No.	



Operator, Peabody Coal Co. Date Apr. 18, 1951 Sec. 28 T. 11 N R. 1 E No. 17 Mine,

Location in mine,

In.	No.	No. (Note character and thickness of roof) (Roof -18"± Coal)	Inch
		Coal, normally b anded Pyrite Nodute (Not Sampled) Coal, normally banded Coal, bony Coal, normally banded Shale, med. gray, carbon accous "Blue Band" Coal, normally banded	10:16:3
		(Note character and thickness of floor) Total thickness of coal	
		Condition, Face Time, hr. min. Wt. Gross, lbs. Net 50± lbs. What Nos. shipped by Co.?	
		Excluded from sample: No. 1 1/2 pyrite 1 Sample represents 73 in. tons.	nod.

Collector, GM Wilson & RJ Helfinstine Mine, Peabody No. 17co. Christian R.__COAL SAMPLE SHEET.

Coal: Survey No.



Operator, Peabody C. C.

Date Apr. 18, 1951

Index No.

Mine, #17
Location in mine,

Mine,

R.__COAL SAMPLE SHEET.

Sec. 28 T. 11N R. 1E

Location in mine, Room 19, 6th E. off Main No.

		DESCRIPTION OF SECTION (AT POINT SAMPLED	
In.	Ņo.	No. (Note character and thickness of roof) (Roof - 18n Coal)	Inch
		Coal, normally banded	40 1/
		Pyrite nodule (not sampled) Coal, normally banded	16 1/
		Coal, beny	3/
		Coal, normally banded	2 2
		Shale, medium gray, carbonaceous "blue band" Coal, normally banded	10
		Con	
		(Note character and thickness of floor)	
		Total thickness of coal	
		Condition, Face Time, hr. min.	
		Wt. Gross, lbs. Net,50 - lbs.	
		What Nos. shipped by Co.?	
		Excluded from sample: No. 1/2" pyrite nodule	
		Sample represents 73 in. tons.	
(1 division	3 in.)	Impurities? How do they occur? Shale bands, and lenses, bands, and nodubes	pyrit
mple No.	three	Can No. Lab. No.	



Date April 18, 1951
Sec. 28 T. 11N R. 1E Operator, Peabody Coal Co. Mine, No. 17

Location in mine,

	lst E.	off 6th N., Room 18	
GRAPH	IC SECTION	DESCRIPTION OF SECTION (AT POINT SAMPLED)
In.	No.	No. (Note character and thickness of roof) (Roof 18" ± Gal)	Inches
		Coal, normally bright banded shalp, gray	19 3/4 3/4 16 1/2
		Shalp, gray Coal, nonmally bright banded Pyrite nodule (not sampled) Coal, normally bright banded	16 = 1
		Pyrite band	5"
		Coal, thin pyrite streaks Coal, bony and shale Coal, normally bright banded Shale, gray "Blue Band" Coal, normally bright banded	2
		Coal with thin printe streaks Coal, normally bright banded	9 2 3
		Coal, normally bright banded.	1 2
		(Note character and thickness of floor) Total thickness of coal	76
		Condition, Face Time, hr. min.	
		Wt. Gross, lbs. Net, lbs. What Nos. shipped by Co.?	
		Excluded from sample: No. 1" pyrite nod	ule
		Sample represents in. tons. Impurities? How do they occur? Shale bands	, and
	ion=3 in.)	pyrite lenses, bands, and n	
Sample N	10. FOUR	Can No. Lab. No.	

Collector, GM Wilson & RJ Helfinstine Mine, Peabody No. 17.0. Christian R.__COAL SAMPLE SHEET.

Coal: Survey No.



Operator, Peabody C. C.

Mine,

Mine,

R.__COAL SAMPLE SHEET.

Date April 18, 1951
Sec. 28 T. 11N R. 1E

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

GRAPHIC SE	CTION	DESCRIPTION OF SECTION (AT POINT SAMPLE	D)
In.	No.	No. (Note character and thickness of roof) (Roof 18 12 Coal)	Inch
		Coal, normally bright banded	19 3/
		Shale, gray	3/
		Goal, nermally bright banded	16 1
		Pyrite nodule (not sampled)	1
		Coal, normally bright badded	11 3/
		Pyrite band	1.
		Coal, thin pyrite streaks	5
		Coal, bony and shale	11
		Coal, nermally bright banded	2
		Shale, gray "blue band" Coal, normally bright banded	1
		Coal w/thin pyrite streaks	9 2
		Coal normally bright banded	3
		Coal, bony	i
		Ceal, normally bright banded	2
		(Note character and thickness of floor) Total thickness of coal	76
		Condition, Face Time, hr. min.	
		Wt. Gross, lbs. Net, lbs.	
		What Nos. shipped by Co.?	
		Excluded from sample: No. * pyrite nodule	
		Sample represents in. tons.	
(1 division	3 in.)	Impurities? How do they occur? Shale bands, and plenses, bands, and nodules	yrite
ample No.	Four	Can No. Lab. No.	

Co ...

Index No.



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 (continued)
Date 4/18/51 -- g T. 11 N.

By Date 4/18/51

Quad. Pana Part

County Christian



Pg. 2

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.

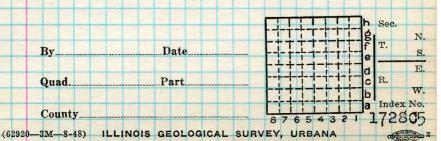
In the portions of the mine observed, the mine was dry. Many of the coal surfaces were damp, however and in some instances, sufficient water was seeping to form small drops. At these localities, the water had a distingtly salty taste.

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.



Form 180

Co. No.	County	Sec.	T.	R.	T.&R.
Company Pe	abody c.c.	No.	Farm M	line No	. 17 No.
	arbug		Total .		Year , 48
Elev.	of b		lepth		drid op'd '5
For M	Method H	Result 5	Type log		Core desc.
Stripped	Analysis	4	Confd.	Pu	bl.
Location 15	24 from	S line,	495'	west of	center line
Core logged			by		
Remarks: G	nal Rept No	. 5-7	A	bad mi	ne book
155		KEY	BEDS		
Code	Name	Depth	Thk.	Elev.	
	4	700	8'		
			-		
-				-	
NE SU	per. 3	5 -111	V-IE	7 -	
openie	Nov., 17	47			

Compiled	by mast of	/57		WEST CO. 10 10 10 10 10 10 10 10 10 10 10 10 10	
Correlations		basis			h Sec. 28 C5
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Date		Quad.		+	e T. // .
01				+	C R. / E.
County Ch		Co. No. 29	76	4-4-4-4-4	b
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Form -180 2945

Co. No.	296 CountyCo	HRISTIANSec	28 T.	// N R. /E	T.&R.
Company /	EABORY C.C.	No. 17	Farm		No.
Elev.	of		otal epth	Ye drl	ar 194942 d.
For M	Method #	Result 5	Type log		Core lesc.
Stripped	Analysis	Co	onfd.	Publ.	
Location	SE/4, NE/A	, SW/4	***		
Core logged			by		
Remarks:	5-1 (SEE	abad.	INE BOO	ok)	
		KEY	BEDS		
Code	Name	Depth	Thk.	Elev.	
	# 6				
	71 0		-	- Marine - M	
Proc. 20 and 2 and 20 a				Secretaria de la constante de	
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Complete	D By: KLG	3-58			
by		basis			h Sec. 28 C
<u> </u>		D4313		++-	g N.
Date		Quad.			e T. // 9.
Date		Quau.			d E.
County C.	KRISTIAN	Co. No. 29	6 +	- x - - -	c R. / w.
(41289—5M-	-8-56) 2		8.7	654321	а