

ILLINOIS GEOLOGICAL SURVEY, URBANA

NOTE:

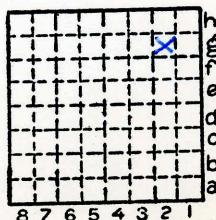
A study of the Strata overlying the Herrin (No. 6) Coal in this mine was made in 1979 by Marc P. Deshowitz for his M.A. Thesis - (Southern Illinois University - Carbondale) Entitled

"Stratigraphy, Paleocology and Environments of Deposition of the Energy Shale (Pennsylvanian) in Southern Illinois"

A copy of this study is available in the Map Room on 4th floor.

Forsythe - Energy Inc

By R.J. Jacobson Date
Quad. Johnson City Part
County Williamson



Sec.	<u>3</u>
T.	<u>9</u> N
R.	<u>2</u> S
	E
	W

Location shut filed

SEP, 1981 (S-81) FORSYTH - CARTERVILLE CC
NO. 1 AND (S-92) PEABODY CC
"ENERGY MINE" COMBINED AS
FORSYTH-ENERGY CC NO. 5

FORSYTH-ENERGY, INC.

STRIP MINE

ENERGY MINE

~~FORSYTH-ENERGY COAL CO.~~

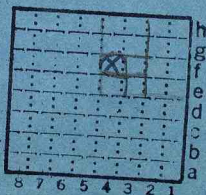
~~(MORGAN MINES, INC.)~~

~~Peabody C.C., ENERGY~~
#5

COUNTY No. 1672

S-92

MINE INDEX # 882



Sec. 4 F# 3

T. 9 S.

R. 2 E.

Index No.



Mine originally operated by: (1)

Morgan Mines, Inc

Date

1947 ~~1948~~

Original name or number:

Illinois Coal Report p.

LATER OPERATORS

Date	Operator	Name or No.
2 1947 map	MORGAN COAL	
3 1949	(Same as No. 1) Morgan Mines, Inc	
4 1956	PEABODY C. C.	ENERGY
5 1961	FORSYTH-ENERGY, INC.	ENERGY
6 DEC, 1967	PEABODY CC	FORSYTH ENERGY NO 5
7 SEP, 1969	FORSYTH-ENERGY	

8
9
10
11
12
13
14

opened Oct 29 '47

700' N 900' E 500' S 400' W of NW corner of SW NE (1948)

*Also owners

#See ownership sheet

Railroad, Wagon, Strip, Idle, Abandoned

IDENTIFICATION

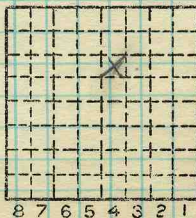
County No. 1672

Coal No. 54

Coal Report No. S-92

Quad. (1948) 6' 6"

County Williamson



Sec. 4

T. 9 S.

R. 2 E.

Index No.

COAL MINE OPERATOR



(Sheets)

COAL PRODUCTION

(Sheet)

Period			Tons		
Mo.	Day	Year	Mo.	Day	Year
		1947		54	805
		1948		234	750
		1949		258	375
		50		349	590
		51		404	437
		'52		416	989
		53		414	566
		1954		451	138
		1955		410	940
		1956		287	915
		1957		152	778
		1958		409	061
		1959		406	149
		1960		361	395
		1961		337	580
		1962		359	724
		1963		324	280
		1964		372	711
		1965		474	592
		1966		531	847
		1967		521	499
		1968		505	353
		1969		492	805
				458	646

Morgan Mns. Inc. 1/1 - 8/30) 1956)
 Derby C. C. 9/1 - 12/12) 1956)

SUMMARIES

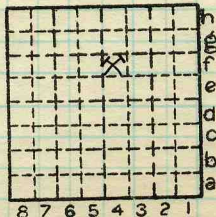
No. to No.

Railroad, Wagon, Strip, Idle, Abandoned

IDENTIFICATION

County No. 1672
 Coal Report No. S-92
 Quad.
 County Williamson

Coal No. 5E
 6



Sec. 4

T. 9 S. 1
 R. 2 E. 1

Index No. 882
 ISGS MINE

COAL MINE-PRODUCTION

ILLINOIS GEOLOGICAL SURVEY, URBANA





Period				Tons			
Mo.	Day	Year	Mo.	Day	Year		
		1970				437	736
		1971				301	989
		1972				263	009

SUMMARIES

No. 1950 to 1971 (INC) No.	9 189 720
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Railroad, Wagon, Strip, Idle, Abandoned

IDENTIFICATION

County No. 1672

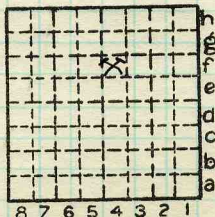
Coal Report No. S-92

Quad.

County WILLIAMSON

Coal No.

54
 6



Sec. 4

T.	<u>9</u>	S.
R.	<u>2</u>	E.

Index No. 882

COAL MINE—PRODUCTION

ILLINOIS GEOLOGICAL SURVEY, URBANA



ILLINOIS GEOLOGICAL SURVEY, URBANA

Forsyth - Energy Mine, #6 Coal

Pillars in mines worked 1900-1930 now being stripped.

Contact: Gordon Forsyth

Bill Eveland - mine boss 942-2644

Sample No. 1 Center NW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 3,
T. 9 S., R. 2 E., according
to Gordon Forsyth.

a) Column sample - 3 cans

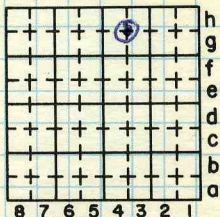
b) Channel sample - 2 cans

Exclusions: 1" pyrite rich ~ 0.3 ft. from roof.
2-3 pyrite cleat intersections
(Blue band not excluded - only ~ $\frac{1}{4}$ ")

Roof: gray shale ~2 ft. overlain by ~15 ft.
gray till weathered rust color.

Thick

0.3	0.00-0.30	Normally bright banded.
0.1	0.30-0.40	Pyritic fusain.
0.6	0.40-1.00	Normally bright banded.
0.7	1.00-1.70	Vitrain bands thick, commonly $\frac{1}{4}$ " to $\frac{1}{2}$ ".
1.3	1.70-3.00	Thick banded as above, but more pyritic - vertical and horizontal cleat fillings. Common fusain layers.
0.05	3.00-3.05	Fusain lens.
1.65	3.05-4.60	Normally bright banded.
0.40	4.60-5.00	Normally bright banded, common vertical cleat pyrite plus 2 horizontal $\frac{1}{8}$ " lenses.



N. H. Bostick

By B. F. Bohor Date April 5, 1972

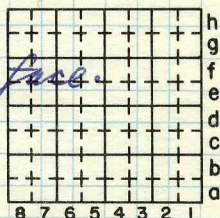
Quadrangle _____

County Williamson Sec. 3 T. 9S R. 2E

4?

0.15	5.00-5.15	Normally bright banded.
0.05	5.15-5.20	Fusain band.
1.40	5.20-6.60	Normally bright banded with about 6 fusain (0.02 thick) bands, pyritic.
0.03	6.60-6.63	Blue band.
0.67	6.63-7.30	Normally bright banded, fusain rich.
-	7.30=7.30	Slip at high angle to face.
0.85	7.30-8.15	Normally bright banded, fusain rich.
4.9	8.15	Underclay.

Thick	From	To	
0.3	0.00	0.30 0.30	nbb.
0.1	0.30	0.40	Pyritic fusain
0.6	0.40	1.0	nbb
0.0 0.7	1.0	1.7	Vitroin bands thick, commonly 1/4" to 1/2"
1.3	1.7	3.0	Thick banded as above but more pyritic - vertical + horizontal cleat fillings. Common fusain layers.
0.05	3.0	3.05	Fusain lens
1.65	3.05	4.60	nbb
0.4	4.60	5.00	nbb, common vertical cleat pyrite plus 2 horizontal 1/8" lenses
0.15	5.00	5.15	nbb
0.05	5.15	5.20	Fusain band
1.40	5.20	6.60	nbb with about 6 fusain (0.02 thick) bands, pyritic
0.03	6.60	6.63	blue band
0.67	6.63	7.30	nbb, fusain rich
—	7.30 = 7.3		slip at high angle to face.
0.85	7.30	8.15	nbb, fusain rich
By	8.15	—	Urbclay



Quadrangle _____

County _____ Sec. _____ T. _____ R. _____

Peabody Coal Co. - Forsyth-Energy Mine - Pit in No. 5
 Coal - 600'N., 800'E., SW/c - Section 34, T. 8 S., R. 2 E.
Williamson County - sampled by KEC and HHD, 2/16/68 -
 Sample No. 1

Roof is 7 to 8" of gray shale with numerous scattered small rounded nodules.

Coal - normally bright banded	0-5 3/8
Vitrain	5 3/8-5 5/8
Coal - normally bright banded	5 5/8-42 7/4
Coal - dull	42 7/4-72 7/2
Vitrain	72 7/2-72 3/4
Coal - normally bright banded	12 3/4-46 1/2
Coal - bright banded with high vitrinite content and numerous paper thin and discontinuous lenses of pyritized fusain	46 1/2-49 1/4
Underclay (measured under water)	3"

Bottom 3½" of coal is under water

NOTE: Considerable very thin pyrite, calcite, and kaolinite on vertical cleat

Throughout this part of pit maximum rock (gray shale) overburden is only about 4 to 5 feet, with 30'+ till.

Peabody Coal Co. - Forsyth-Energy Mine - Pit in No. 5
 Coal - 875'N., 550'E., SW/c, Sec. 34, T. 8 S., R. 2 E.,
Williamson County - Sampled by KEC and HHD, 2/16/68 -
 Sample No. 2

Coal - bright banded	0-1½
Pyritized band	1½-1 3/8
Coal - bright banded	1 3/8-16½
Fusain band	16½-16 5/8
Coal - bright banded	16 5/8-43
Bright banded coal with scattered paper thin and discontinuous lenses of pyritized fusain	43-47½

Peabody Coal Co. - Forsyth-Energy Mine - Pit in No. 5
Coal - 1180'N., 550'E., SW/c, Sec. 34, T. 8 S., R. 2 E.,
Williamson County - Sampled by KEC and HHD, 2/16/68 -
Sample No. 3

Bright banded throughout with
no notable lenses, pyrite and
calcite and some kaolinite on
vertical cleat

0-3'10½"

Clean looking coal with con-
siderable "peacock" coloring

Penbody coal Co. - Forsyth - Energy
Mine - Pit in #5 coal

Roof is
5 1/2' of gy sh w/ numerous scattered
small rounded nodules.

600' N } SW cor Sec. 34 - T. 8 S.
800' E } R 2 E
Williamson Co.

SAMPLE # 1

0 - 5 3/8	Coal, m.b.b.	Sampled by KEC & HHD 2-16-68
5 3/8 - 5 5/8	vitrain	
5 5/8 - 12 1/4	coal, u.b.b.	
12 1/4 - 12 3/2	coal, dull	
12 3/2 - 12 3/4	vitrain	
12 3/4 - 46 1/2	Coal with NBB	
46 1/2 - 49 1/4	Coal, but banded w/ high vitrinite content & numerous paper-thin & discontinuous lenses of pyrite FeS.	
U cl -	3" measured under water	

Bottom ~~3 1/2~~ 3 1/2" of coal is under water

Note: Considerable v. thin pyrite, calcite
& kaolinite on vertical cleat

Throughout this part of pit maximum
rock (gy. sh.) overburden is only about
4 to 5 feet, with 30' ± fill.

Peabody Coal Co., Forsyth Energy
2-16-68 Pit in #5 coal
Minn

~~No. 2~~

875' N } SW cor Sec. 34, T. 8 S.
550' E } R 2 E

Willkommen Co.

Sampled by
KEC }
HHD } 2-16-68

Sample # 2

- 0-1/4 - Cool Bright banded
- 1/4 - 1 3/8 - Pyritized Band
- 1 3/8 - 1 1/2 - Cool, bright banded
- 1 1/2 - 1 5/8 - Fusain band
- 1 5/8 - 43 - Cool bright banded
- 43 - 47 1/2 - Bright banded Cool w/ scattered
paper - thin & discontinuous lenses
of pyrited fusain

Peabody coal Co, Forsyth-Energy
Mint - Pit in #5 coal

1180' N, 550' E of SW cor Sec. 34
Sampled by KEC?
HHD 2-16-68 T. 8 S., R. 2 E.

Sample #3

~~Notes:~~

0 - 3' 10 1/2" Bright banded throughout w/ no
notable lenses, pyrite & calcite
& some kaolinite on vert cleat.

clean looking coal w/ considerable
"peacock" coloring.