

FIELD NOTES
Illinois State Geological Survey

September 15, 1978

Section in highwall at Will Scarlet Mine

TOP

- 5.0 feet Sandstone--thin and irregularly bedded; orange-brown; possible channel-fill.
- 20 feet Interval containing the following in descending order:
Shale--black; contains siderite nodules.
Sandstone--irregularly bedded; orange-brown; thin- to medium-bedded.
- 20 feet Shale--black; contains large (1 foot) concretions and banded nodules.
- 1 foot Rider coal
- 25 feet Sandstone overlain by dark gray shale; generally 1/2 sandstone and 1/2 shale; upper contact of sandstone undulatory and sandstone locally occupies most of interval; top of shale is soft, medium-gray underclay, extensively rooted.
- 3 feet DeKoven Coal
- 4 feet Fine-grained sandstone and sandy underclay; underclay rooted.

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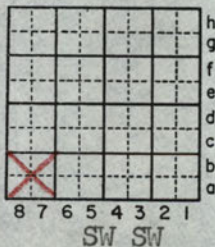
By J.E. Palmer & C.B. Trask Date 1978

Quadrangle Carrier Mill (7.5')

County Saline

Sec. 16

T 10S R 5E



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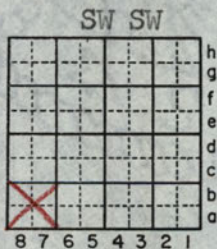
Section in highwall at Will Scarlet Mine

- 6 feet Shale--dark gray; grading upward to medium-gray; gradational contact with overlying sandstone.
- 4 feet Shale--dark bluish-gray to black; large (1 to 2 foot) concretions at base; discontinuous clay nodule layers 1 to 2 inches thick about 2 1/2 feet from base.
- 3 feet Davis Coal
- BOTTOM
- 91 feet

By J.E. Palmer & C.B. Trask Date 1978

Quadrangle Carrier Mills (7.5')

County Saline Sec. 16 T 10S R 5E



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7c Location: 1400' S. line; 700' W. line
 July 11, 1968
 Peabody Coal Co. (Stone fort)
 Highvall No.4 coal.

↑ Not examined

Scale: ↑ 1'

Shale, medium light gray, well laminated, sideritic nodules.

Shale, medium light gray, calcareous, fossiliferous, about 1', may also represent Hanover limestone.

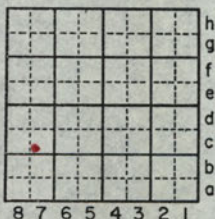
Limestone, nodular band, position Hanover (2"-4")

Black slate, calcareous, hard "massive"

Black "slate", thin bedded, hard, large calcareous concretions.

Pyrite shells locally up to $\frac{1}{4}$ "

No.4 coal, 26" thick



By M.E. Hopkins Date 1968

Quadrangle Carrier Mills 7 $\frac{1}{2}$ '

County Saline Sec. 4 T 10S R 5E