## FIELD NOTES Illinois State Geological Survey

(0223.23a)

Outcrop up small ravine about 100 yards N. of road and about ½ mile W. of Exeter.

Topography rolling with a relief of ca. 75'+.

4. 8'+ Drift.

 4' Limestone, brecciated, fragments dark grey with light grey matrix, both fossiliferous.

2. 15' Shale, light to medium grey, iron stained and sandy with 15" of coal at the base.

Base unexposed.

 2' Limestone, light grey, crystalline, Mississippian (St. Louis?) Base unexposed.

Apparently horizontal.

Fossils abundant but poorly preserved in bed 3.

The coal at the base of bed 2 which has been worked for the clay is only a local lense and might be called "Worthen's #1".

Bed 3 is the same as bed 3 at Scott 0226.2h.

Bed 2 is the "Cheltenham Clay".

The coal outcrops in the bed of the stream and is below the upper surface of the limestone bed 1, and occurs as a pocket in an erosion depression of the Mississippian limestone. It has been stripped to some extent and is reported to be very good coal, but burns with a large amount of ash, no clinkers. About 1' of clay was reported below the coal.

(continued on next page)

By John S. Ivy Date

Quadrangle Griggsville 87654321

County Scott Sec. 23 T5N R 13W

# FIELD NOTES Illinois State Geological Survey

p. 3 (0226.2h) cont. October 9, 1922

Coal has been mined all along this bluff by

"drifting in", but none has ever been shipped.

It will easily average 28" and probably occurs as thick as 36". Not much coal has been removed.

By John S. Ivy Date 1922

Quadrangle Griggsville 87654321

County Sec. 26 T 15N R 13W

### FIELD NOTES

#### Illinois State Geological Survey

(0226.2h)

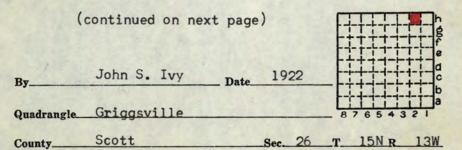
October 9, 1922

Outcrop along bluff N. of road about ½ mile E. of Exeter. Section measured up bluff and in old mine drifts due N. from house on N. side of E-W road.

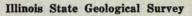
Topography rolling with a relief of ca. 75'±.

Bluff overlooks the valley of Mauvaise Terre creek which is ca. ½ mile wide at this point.

- 8. 25'+ Drift
- 7. 18' Shale, medium grey, thinly bedded, with an horizon of cherty, calcareous, fossiliferous, concretions 13' from base.
- 6. 2'-3' Shale, black, fissle, carbonaceous with numerous ovaloid calcareous concretions Decina Nitida numerous.
- 28" Coal, dull with dark brown streak, badly weathered.
- 4. 2' Clay, light to medium grey, slightly sandy
- 3. 2'-4' Limestone, brecciated, fragments dark grey with a light grey matrix, very fossiliferous though poorly preserved, matrix weathers out leaving fragments.
- 2. 8'-10' Shale, green to grey to blue, sandy.
- 1. 18' Limestone, light grey, crystalline,
  lithographic to brecciated, a paucity of
  fossils, weathers to a dull grey near
  the top and to a brown toward the base.
  Base unexposed. Mississippian (St. Louis?)



#### FIELD NOTES



See maps nos. 4107 c3.5-7, d5.1-189, d5.1-190, d5.1-191 c3-5-8

(0223.1b)

September 21, 1928

Mines, larger has dump, 50' x 20' x 10' (estimated) black slate. Pottsville Knobby limestone outcrops nearby about 20' above bottoms, about elevation 510'. W. mine is 500' E. of road.

Gulley section, top 563' estimated:

201 loess, grey, calcareous, full of Kindchen

21 loess, brown, leached

5" loess, brown, slightly calcareous

sandstone, Vergennes, fine-grained, soft, 10 light brown, micaceous, well-bedded No till, loess rests directly on Vergennes

(0223.1c)

Up hill to S. road ditch shows:

loess, brown, leached (a 2' grey layer also 30' leached)

loess, brown, calcareous, only slightly in 10' upper part - grades upward into non-calcareous

\_\_ Date 1929 By\_ A.H.Bell Quadrangle Griggsville County Scott T 15N R 13W

23

Sec.