## FIELD NOTES Illinois State Geological Survey

(0419.8e)

September 22, 1931.

Coal at 8e in drift working (small) - shows 28"

above the blue band; 2" of blue band, 10"

below the blue band, base not exposed.

Above the coal is a coaly slate, 12"; then

slate 2-3", with a noncalcareous, gray sand
stone bed 0-1" thick; and 6 1/2" more slate: 
Above the slate, gray thin-bedded shale - 0-3'4;

over the working this is all cut out by till;

is present only in sides of cut.

Till is gray to brownish streaked, fresh-looking,

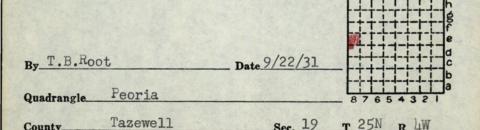
strongly calcareous, and in bank 50' upstream

is '8-9' of it over the lowest coal and fireclay.

8d NW line

At side of highway to south (south side) - gravel sand, yellow brown to gray brown, calcareous about 12' from top of cut; basal 6-8' covered. Base of exposure would be 20'± above top of till exposed in stream bottom to N-and NW - over Pennsylvanian beds - Thus this is intra-Illinoian gravel sand?

7d NW Copperas Creek? Sandstone at south side of road in creek bank; 7' ill-exposed; locally = massive; more shaly above and below middle; middle massive bed calcareous, rust spotted.



.8e

(0419.05)October 17, 1931. Exposure in small mine entry on north side of ravine 100 feet north of State Route 9 (or 98??) Loess and drift not studied. Shale, light olive gray, well bedded, soft, non gritty, slightly micaceous 2'11" Shale, medium bluish to olive gray, soft, with indistinct fossil traces 9" Shale, black to dark gray, soft, finely laminated (the lower 3" interlaminated with 3 or 4 layers of thin bedded gray sandstone. Shale and sandstone beds both contain melanterite 8" Shale, black, hard, fissile, finely laminated, but not well jointed, lower part somewhat canneloid, resembling cannel coal 1'3" SPEC. COLL. In mine entry brownish clay cuts out cannel coal or slate and upper 1' of coal beneath Shale, dark gray, hard, laterally grading into pyrite 1/4" Coal, rather dull luster, canneloid 3" Coal, with bright and dull bands 2 1/2" Fusain 1/8"-1/16" Coal 2" Fusain and pyrite 1/8"-1/4" Coal 2 7/8" Pyrite (discontinuous band 1/4" Blackjack, with some pyrite 1/8"-3/8" Coal 3/4" Fusain, dying out laterally 3/8"-0 Coal 3/8" Pyrite, fairly persistent 1/4-1/2' (Continued next page) Date 1931 By H.R. Wanless Peoria Quadrangle\_ Sec. 19 T 25N R LW Tazewell County\_

p. 2. (0419.05 cont.) Coal 2 3/4" Fusain 1/16" Coal 7/8" Clay, or shale, blue gray, not bedded (blue band) 2"-2 3/4" Coal 3 1/2" Fusain 1/4"-0 Coal 6 3/4" Clay, dark gray, somewhat bony 1 1/2" Underclay, dark gray, not laminated, slickensided, with root traces, some carbonized 11" Underclay, medium gray, stained somewhat rusty, with root traces; not laminated and with small weathered pyritic concretions in lower part, noncalcareous 1'7" Underclay, bluish gray, harder than above, calcareous, stained very rusty at outcrop 1'3" Limestone, medium gray, nodular structure (fresh water limestone) 6" seen in stream bed. In cut bank on north side of ravine 150' downstream, a massive light gray limestone with abundant and dark gray limestone pebbles and fossils including crinoid stems, Fusulina girtyi, etc, appears l' above coal and below olive gray shale (Brereton limestone 2'2" seen At this point in ravine 1-2' of poorly bedded shale with nodular limestone along vertical joint cracks occurs beneath fresh water limestone seen upstream . \_\_\_\_ Date 1931 By H.R. Wanless

Sec. 19 T 25N R LW

Peoria

Tazewell

Quadrangle\_