## FIELD NOTES

Illinois State Geological Survey
lg
$455 \quad 0821.97$
Slope on No. 6 coal. Entrance shows following section. Elevation 455 topographic map.
$24^{1}$ shale, light gray, sandy, especially at bp, thin bedded, at base grades to dark gray calcareous shale.
(Coal in shaft $22^{\prime}$ below surface. Coal is $40^{\prime}$ below middle rail on $S$ side of road, base of outcrop at Creek is $22^{1}$ near coal.)
** at 200' from portal a sandy shale lens appears $0-42^{\prime \prime}$ thick between coal and slate.

430
6" shale, black, calcareous.
$4^{\prime \prime}$ coal, rather bony
$l_{\frac{1}{2}}^{1}$ shale, calcareous, dark gray, with local lenses, hard, with abundant shell fragments.

6' limestone, argillaceous, medium to dark gray, hard, with fusulinids but with few other fossils.
$2 \frac{1}{2} \frac{1}{2}$ shale, black, fissile, joints, N280E prominent.
6' coal, with blue band, $10^{\prime \prime}$ over bottom, and other partings. H. E. Culver Date 1923

Quadrangle Marion


County Williamson? Sec. 21 T $95 \quad$ R $4 E$

## Illinois State Geological Survey

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\begin{aligned}
& \text { (0821.97) See map no. } 4107 \mathrm{d5} .1-195 \mathrm{Sh} .42 \\
& \text { August } 15,1932 \\
& \text { Slope mine on south side of road }
\end{aligned}
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Shale, sandy, brownish gray $10^{\prime}$
Clay shale, medium gray l'l"
Limestone, clod-like, fossiliferous, gray $3^{\prime \prime}$ Coal $31 / 2^{\prime \prime}$ (Jamestown)
Shale, medium dark gray $5^{\prime \prime}$
Limestone, dark gray, shaly $3^{\prime \prime}$
Shale, dark gray, fossiliferous, with Productus and crinoid calyx 1'3"
Limestone, medium blue gray, fossiliferous (Brereton limestone) $4^{\prime} 6^{\prime \prime}$
Shale, black, mostly slaty $2^{\prime} 3^{\prime \prime}$
Coal No. 6 not measured in detail.
Coal reported $5^{\prime} 8^{\prime \prime}-6^{\prime}$, blue band about $1^{\prime}-1$ ' 3 " above base.
Another shale parting reported $1^{\prime} 6$ " from top, a very thin parting.
By H. R. Wanless
Quadrangle Marion


