

Bernard

April, 1938.

Dec

Empire #1 Hall,
NE NE NE, 14-11S-17W,
Elevation 1809'
Rotary samples.

Pennsylvanian conglomerate 3305-3370'
3305-3370 Poor samples. Some chert is shown all the way
and it is probable that *Viola residuum* is present
in the lower part.

Viola residuum see above.

Decorah shale 3370-3404'
3370-3380 Red shale and scattered sand.
3380-3385 Limestone, pink, crystalline, solution-râddles. Con-
tains bryozoa. Probably equivalent to dolomite
in the Decorah further south.
3385-3404 Shales and rare sand.

Arbuckle Top 3404' Penetration 13' Sub-sea, minus 1595'
3404-3417 Miller-Purcell dolomite.