

June, 1935.

Rosenthal and Amerada #1 Gray,
Center NE $\frac{1}{4}$, 11-24S-13W,
Elevation 1900'

Pennsylvanian conglomerate 3780-3790'
3780-3790 Clay shales and rare stained chert.

Mississippian 3790-3807'
3790-3807' Lime, gray, siliceous, in part glauconitic;
chert with sponge spicules.

Kinderhook 3807-3833'
3807-3833 Clay, maroon and green. Probably Kinderhook
but might be cavings.

Ordovician Top 3833' Sub-sea, minus 1933'
Galena 3833-3920'
3833-3838 Chert, milky.
3838-3863 Dolomite, brown, fine; with milky chert.
3863-3890 Chert, milky, with rare gray to brown lime
and pale green shale.
3890-3920 Chert, milky to weathered with rare clear white
dolomite.

Trenton 3920-3960'
3920-3940 Lime, gray to white, with milky chert.
3940-3960 Lime, white, coarsely crystalline.

Decorah 3960-4015'
3960-3963 Sand and green shale.
3963-3980 Shale, green.
3980-4012 Shale, green, sandy.
4012-4015 No sample.

Arbuckle 4015-4052 Penetration 37' Sub-sea, minus 2115'
4015-4052 Miller-Purcell. The dolomite from 4034-52' has
an unusually high chert content for Miller-
Purcell.