

November, 1940.

Gulf #1 Alex,
C N $\frac{1}{2}$ SE SE, 30-13S-16W,
Elevation ~~1944~~ *1954* *DF*

Pennsylvanian conglomerate 3468-3478'

3468-3478 Clay shales, chert, and rare sand. The lower part of this interval is residuum.

Arbuckle Top 3478' Penetration 25' Sub-sea, minus 1526'

3478-3480 Miller dolomite and chert. Mainly residuum.

22 3480-3500 Purcell dolomites. Top of equivalent to the "Sander pay" (3462-65' in #1 Sander) is 3484'. The dolomite is finely crystalline and tight, the only porosity being in minor fractures.

3500-3503 Cotter dolomite.

This section was cored with rotary from 3482-3497' and with cable tools from 3497-3503'. Residues were made of the cores, one sample to each six inches.