

200PP2

No Arbuckle correlation. Samples too incomplete.

December, 1934.

Cable Tool

Heffine and Crane #1 Bock,
NE SE NE, 17-19S-11W,
Elevation 1767'

Pennsylvanian conglomerate No samples.

Ordovician No samples for top.

Arbuckle " " " " . ~~1st~~ First sample 3470'

Sub-sea, not lower than minus 1703'

- 3470-3480 Shale, green, dolomitic, of Arbuckle type. One chunk only. Probably not representative. This chunk of shale is probably the basis for the Simpson determination made by some workers. This sample is from Shell's set.
- 3480-3700 Dolomite, white to light brown, coarsely crystalline. Looks like a slush pit sample. Residues indicate Pre-Cotter age. Valueless for mapping. Shell sample set has one sample labelled 3480-3690', of white, coarsely crystalline, sandy dolomite, certainly Pre-Cotter. Looks like a bailer sample but it is doubtful whether it is top. More probably taken near 3690'.
- 3690-3806 Dolomite, white, coarsely crystalline, sandy. One sample from Shell set. Exactly like 3480-3690' sample. Definitely Pre-Cotter but probably just a cut of the sample above.

3805
3470

335

Pre-Cambrian Top approx. 3805' Sub-sea, minus 2038'

- 3802-3810 Schist, red. Sample from Shell set.
- 3810-3898 No samples.
- 3898-3928 One sample. Schist, soft, red, micaceous.
- 3928-4494 No samples.
- 4494-4495 Schist, black; also muscovite and broken quartz, latter looks like fragments of quartzite.
- 4495-4802 No samples.
- 4802-4827 Six samples. Schist, dark; probably meta-sedimentary.
- 4827-5083 No samples.
- 5083-5090 Two samples. Schist, greenish black.
- 5090 T. D.

The Shell samples were borrowed from Shell's Tulsa office. They added little in the way of definite information.

On the basis of interval from the Pre-Cambrian, some of the lower Cotter should have been present. Can be mapped as questionable Cotter.