

January, 1940.

Sinclair Prairie #2 Oeser,
SE SE SE, 17-16S-11W,
Elevation 1870'.

Pennsylvanian conglomerate 3300-3323'
3300-3323 Conglomerate of cherts of Cotter type. Slightly
stained in upper part. It is probable that
the lower part of this interval is made up of
land wash and was not reworked by the Penn. sea.

Arbuckle residuum 3323-3326'
3323-3326 Clays and sandy clays. Pre-Cotter residuum.

Arbuckle Top 3326' Penetration 94' Sub-sea, minus 1456'.
3326-3340 Dolomite, white, coarse; with considerable residuum.
From the rotary samples this appears to be
little more than residuum with a few scraps of
dolomite. Pre-Cotter, probably post-Boyce.
3340-3380 Dolomite, white coarse. Probably post-Boyce.
3380-3420 Sandy white dolomite and medium sand, consolidated.
Strongly suggestive of the Boyce sandy zone rather
than Everleigh-Reagan. However, it may be the
latter.

Pre-Cambrian Top 3420' Sub-sea, minus 1550'
3420-3426 Quartzite, white; with some muscovite.

The nearest known occurrence of the Boyce is in
the salt water disposal wells of the Irapp pool,
in 15S-13W. These sections show both Boyce
and Everleigh-Reagan. Sections well down on
the south flank of the Uplift and east of Rush
County, show no Boyce sand or even a sandy zone.
The sand which is at the base of the Arbuckle
section in 14-17S-9W has been tentatively
considered as Boyce rather than Reagan but as
yet not enough work has been done to check this.