

Postel

June, 1942.

Falcon-Seaboard #1 Martz,
SE NW, 25-16S-15W,
Elevation 1977'

Pennsylvanian conglomerate 3460-3473'
3460-3473 Conglomerate of sand and stained chert.

Questionable pre-Pennsylvanian land wash 3473-3495'

3473-3485 White opaque cherts with some sandy clays. This
may be conglomerate, land wash, or residuum.

3485-3495 Red and green clays with abundant sand and rare
oolitic chert. This may be conglomerate, land
wash, or residuum.

Arbuckle residuum 3495-3509'

3495-3505 Chert, quartzose and oolitic, in part sandy; with
sand center oolites. Also considerable loose sand.

3505-3509 White milky cherts and abundant quartzose oolites,
the latter mainly loose. This is a basal Cotter
chert sequence.

Arbuckle Top 3509' Penetration 31' Sub-sea, minus 1532'

3509-3525 Pre-Cotter dolomite, white, medium to coarsely cry-
stalline.

3525-3540 Pre-Cotter dolomite, sandy dolomite, and loose sand.
The latter is a stray sand member local to this area.
The type section for it is the Harris and Haun #1
Dietz, Sec. 21-16S-15W, where it is present from
3662-3675'.

The top of Pre-Cotter is estimated to be 3504', re-
stored, or -1527'.

Remarks: This test is some 70' higher on the top of the Pre-Cotter
than mapped on an Arbuckle structural map submitted some months ago.
It is also on the Pre-Cotter belt, which indicates that the north-
west southeast trend of the contact between the Cotter and Pre-Cotter
as mapped in this township is in serious error. It is apparent that
this contact is more nearly north and south.

ML