

April, 1938.

Schoenfeld and Kitch #1 Suppes,
SW SW SW, 14-16S-16W
Elevation ~~1940' D.F. as Graded~~
1940 D.F.

Pennsylvanian conglomerate 3480-3557'

3480-3506 Clay shale and nodular limes. Some sand included in the lime nodules and in some layers of the clay shales.

3506-3522 Lime, white to pink, sugary; with fissile red and pink clay shales.

3522-3551 Sand and fine gravel; with some dolomite pebbles. Many loose oolites, concentrated with the sand and derived from the Cotter. Chert pebbles are present but are probably small. This is a slightly conglomeratic sand with some pebbles.

3551-3557 Chert, milky; with red clay. Probably residuum but may be coarse basal conglomerate

Arbuckle Top 3557' Penetration 2' Sub-sea, minus 1617'
3557-3559 Dolomite, white, medium. Questionably basal Cotter but could be Pre-Cotter. Map as Cotter.

This test shows an unusual phase of conglomerate. It is well-sorted and probably bedded and contains pebbles of Arbuckle. This suggests local topographic relief and mechanical erosion before the invasion of the Pennsylvanian sea. It is probable that 3522' represents the ~~XXXXX~~ pre-Pennsylvanian land surface.