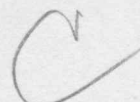


09330

August, 1937.



Davidson #1 Polcyn,  
SE SW NW, 6-14S-15W,  
Elevation 1896'

Pennsylvanian conglomerate 3348-3385'

3348-3350	Clay, red.
3350-3355	Clay, red; with nodular pink lime and rare included stained chert.
3355-3358	Lime, with included sand and interbedded clay shales.
3358-3365	Conglomerate, of coarse sand and chert fragments.
3365-3378	Sand, medium, friable; with some chert.
3378-3385	Conglomerate, coarse sand and chert.

Arbuckle residuum Top 3385' Sub-sea, minus 1489'

3385-3400	Chert, all of lower Cotter type.
3400-3404	Chert, sand, and green clay. Residuum of post-Boyce member of the Pre-Cotter.
3404-3425	Sand, fine to medium, cherty at top. With some cavings from above. Boyce sandy zone.

Arbuckle dolomite Top 3425' Penetration 9' Sub-sea, minus 1529'

3425-3434	Dolomite, fine white; with many cavings from above. <u>pre-Boyce</u> member of the Pre-Cotter.
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This residuum section, because of the cap of Cotter chert and the presence of the Boyce sand, is more easily interpreted than most residuum sections. The thinness of the post-Boyce dolomite residuum is normal, as this dolomite ordinarily has from 1-7% residue of fine sand with traces of green shale. The dolomite in the Boyce sandy zone is likewise dissolved and it is probably that the pre-Boyce, from 3425-3434' is badly riddled by solution.

The upper part of the Boyce, which is porous due to partial replacement ~~with~~ by silica of the dolomite originally between the sand grains, contains considerable asphaltic material.