March, 1936.

V

Stearns-Streeter #1 Haskins,
SE SW SE, 34-9S-16W,
Elevation 1932'

Pennsylvanian conglomerate 3373-3390'
3373-3390 Conglomerate of stained chert of mixed types.

Ordovician Top 3390' Sub-sea, minus 1458'
Viola 3390-3412'
3390-3412' Residuum of weathered chert and red clay.

Decorah 3412-3452'
3412-3417 Shale, maroon and green.
3417-3423 Shale, sandy, green; with limonite oolites.
3423-3428 Shale, green and maroon; with rare dense dolomitic lime and some chert.
3428-3452 Shale, green and rare maroon, sandy.

Arbuckle Top 3452' Penetration 144' Sub-sea, minus ~~3452~~ 1520'
3452-3515 Miller-Purcell. Although the hole was caving the samples are good enough to prove the similarity with the section under the Decorah in wells in the Shutts pool, in 12S-17W. The section here is somewhat thinner than in 12S-17W.
3515-3596 Cotter. The section is clearly in the lower half of the Cotter but it can not be tied in with the sections in 11S-17W and 12S-17W for the reason that the latter sections appear to have large quantities of secondary chert.

This should be a type section but is not because of excessive cavings No estimate can be made for the thickness of the Arbuckle except a rough guess of 450'.

December 1940

Stearns and Streeter, No. 1 Haskins
SE SW SE 34-9S-16W

Elevation 1932 feet

Cable-tool dry hole; samples badly contaminated by Simpson (and Viola) cavings.

Ordovician

Arbuckle Top 3452 feet (?--possibly slightly lower) or 1520 feet (?) subsea. Penetration 144 feet. Simpson cover.

3452-3515 feet Miller-Purcell or Cotter. Has been called Miller-Purcell but could well be Cotter. Cavings greatly impair lithologic value of residues and make correlation uncertain.

3515-3596 feet Definite Cotter. Top CE 3550 feet. Estimated top pre-Cotter 3650 feet, placing total depth of 3596 feet approximately 54 feet above base of Cotter.

<u>Remarks</u>:

Arbuckle may be all Cotter.

FBC

R. A. Carmody

April, 1941

Stearns and Streeter, No. 1 Haskins
SE SW SE 34-9S-16W

Elevation 1932 feet — Cable Tool Well

Pennsylvanian
Base Kansas City 3322 feet
Pennsylvanian basal conglomerate top 3375 feet
3375-3390 feet Chert, dark red, yellow to white and various-colored. (Reworked Galena chert.)

Ordovician top 3390 feet — Subsea -1458 feet
Trenton (Galena) top 3390 feet — Subsea -1458 feet
3390-3413 feet Milky white, flinty to stony, opaque chert, part rough, pitted and porous, and interbedded dark red waxy, brittle clay. (Residuum)
Decorah-Platteville top 3413 feet — Subsea -1481 feet
3413-3434 feet Clay shale, green, red, and various-colored, with some imbedded sand grains, phosphate fragments and ferruginous oolites. Some limestone.
3434-3452 feet Shale, green, maroon and various-colored, part very sandy.
Arbuckle (Miller-Purcell or Cotter) top 3452 feet — Subsea -1520 feet
3452-3596 feet TD. Dolomite and chert.