

March, 1936.

Smith and Ash #1 Nelson,
NW NE, 27-10S-16W,
Elevation 2095' ^{DF}

Pennsylvanian conglomerate 3673-3696'

3673-3688 Clay shales, stained chert, and rare sand.

3688-3696 Chert, sand, and rare pink dense lime. This
material may be Mississippian residuum.

No samples 3696-3722' Correction?

3827 = 3793 SLM

Ordovician Top 3722'

Sub-sea, minus 1627'

Post-Decorah Ordovician 3722-3793'

3722-3750 Chert, gray to pink. Ordovician residuum which
was formed in early Penn. time.

3750-3793 Lime, white to pink, crystalline.

Decorah 3793-3827' (Correction 3827 equals 3793) 3793-3800'

3793-3798 Sand and dense white sandy lime.

3798-3827 Green and maroon shale. Abundant hematite and
limonite oolites, 3805-3815'.

Correction 3827' equals 3793'.

3793-3800 Shale, green; with rare sand.

Arbuckle Top 3800' Penetration 16' Sub-sea, minus 1705'

3800-3816 Dolomite, fine, brown; with oolitic chert.

Either Miller-Purcell or Upper Cotter.

December 1940

Smith and Ash, No. 1 Nelson
NW NW NE 27-10S-16W

Elevation 2095 feet

Cable-tool dry hole, structurally low.

Correction 3827 equals 3974 feet applied to section. Arbuckle residues almost entirely Simpson shale cavings.

Ordovician

Arbuckle Top 3800 feet, corrected, or 1705 feet subsea. Penetration 18 feet, poorly sampled at short intervals. Simpson cover.

3800 to 3818 feet Probably Cotter. Last 2 feet not sampled. May be from lower part of middle Cotter.

FBC