

W.P.
March, 1938.

W. G. #1 Greenwalt,
NW NW NE, 19-19S-16W,
Elevation 2131'
Rotary to 3890'. Cable tool 3890-~~4017~~' 4017'

Pennsylvanian conglomerate 3845-3860'

3845-3850 Lime and shale with some stained chert and fine sand.
3850-3860 Chert, sand, and shale which is Decorah-like. It is
entirely possible that a few feet of Decorah are
in place.

Ordovician residuum 3860-3879'

3860-3879 Core chips of cherts and red clay, showing much
oxidation and considerable secondary chalcedony and
quartzose chert. Typical residual material but
the material is sampled in such small quantity that
it is impossible to check the age of the chert.
A six foot correction is absorbed in this interval,
so it is probable that it is 13' rather than 19'.

Arbuckle Top 3879' Penetration 138' Sub-sea, minus 1748'

3879-3920 Miller-Purcell dolomite. Base may be placed a
few feet too high. Finely crystalline dolomite
with thin green shales and considerable tripolitic
and quartzose chert. Much of the latter is sec-
ondary.

3920-4017 Cotter dolomite.

Note the possibility of the presence of Decorah between 3850-3860'.
The rotary samples made it impossible to be certain of this.
The Miller-Purcell is checked against that found in the test in
27-20S-16W, as is the basal part. The upper part is more coarsely
crystalline and porous and probably was more easily dissolved in
both 19-19-16 and 20-19-16.

Map as Miller-Purcell and note that Decorah may be present.

E McCracken Revisited log May 1946

PBC 3840

Sub 3884 (- 1753) Zone II + III Cotter