

February, 1942.

Bridgeport #1 Black,
NW SE, 8-14S-15W,
Elevation 1843' ^{VP} _{LS} P

Pennsylvanian conglomerate Top above 3271', base 3277'
3271-3277 Clay shale, red and gray-green; with nodular
lime containing included sand grains. This
grades down into a fine conglomerate of coarse
sand and chert grains in the basal part.

Land Wash ? 3277-3284'
3277-3284 Clay, very dark red; with included sand grains
and small fragments of Arbuckle chert. Hematite
oolites were seen in cavings which appeared to
be from this layer but no oolites were found
in the samples from this interval.

Arbuckle residuum 3284-3296'
3284-3296 Cherts and red clays, with some green clays near
base. Without doubt locally derived and may be
either residuum in place or local land wash.

Arbuckle Top 3296' Penetration 36' Sub-sea, minus 1453'
3296-3321 Dolomites, brown, medium. Also much residual
material which may be in place or may be caving
from above. Correction is applied, 3316' equals
3312'
3321-3332 Dolomites, mainly fine, white to light brown; with
abundant quartzose chert containing oolites.

The dolomite section is Cotter. The oolite horizon, plus sand
present in the sample from 3331-3332', indicates that the base of
the Cotter is within a few feet. Top Pre-Cotter estimated to be
3337' or -1494'

ML and RFW