July, 1938.

Twin Drilling #1 Madden,
SE SE NE, 29-11S-17W,
Elevation 2004'

Pennsylvanian conglomerate No conglomerate proper.

Arbuckle Top 3495' Penetration 53' Sub-sea, minus 1491'
3495-3548 Miller-Purcell dolomite. The point 3495' is based on rotary cuttings. The test was standardized at 3509'. It is probable that little or no Arbuckle is absent in this test, in fact the interval from 3495-3509' gives two more feet than is normal in Bemis, probably due to error in measurement on the rotary cuttings.
The dolomite is unusually cherty, the chert having been concentrated by solution and added to by the formation of secondary silica. Without the close check afforded by nearby sections in Bemis and Shutts, this dolomite would probably be mistaken for Cotter.
Porosity plugging, mainly by secondary silica, is evident. Commercial porosity probably is confined to the lower 20' except for some slight porosity just under the Pennsylvanian.

This well is on the northward continuation of of Miller-Purcell belt which trends northward through Sec. 5-12-17 and 32-11-17.