

October 1944

Darby #3 Jarus
Section 16-16S-12W, NW NE
Elev. 1897'

Cable tool core chips

Pennsylvanian Conglomerate 3334'- 3364'

- 3334-3348 Sandy limestone. Core chips show buff, finely crystalline limestone with included coarse sand grains. A thin zone of limy conglomeratic sand is present at 3341' and non-conglomeratic sand-free limestone from 3344'-3346'. Marine conglomerate.
- 3348-3351 $\frac{1}{2}$ Clayey sand. Core chips and core wash. Very poorly sorted sand, fine to very coarse, with all porosity plugged with clay. Some worn chert pebbles and fragments. Considerable coarse pitted sand from the Pre-Cambrian as well as rounded sand from the Arbuckle. This clayey sand is the exact stratigraphic equivalent of the well-sorted beach-edge Pennsylvanian sand producing higher on the flank of the Beaver quartzite hill in the #2 and #3 Jarus and in our #1 Kultgen, NE SE NW of this section.
- 3351 $\frac{1}{2}$ -3359 Clay shale, greenish-gray "fat" with black carbonaceous streaks. Core chips.
- 3359-3364 As above, but with some residual type clay and chert.

Residuum of Arbuckle Top 3364' Subsea -1467'
3364-3369 Fresh chert. Buff and white chert, mostly translucent types but with some quartzose oolitic chert and sand. Ground up core. Residuum of Cotter.

Remarks: Dry hole drilled in 1936.

RFW:HL