

January, 1945

Sinclair Prairie, # 2 Davidson
4-16s-11w, NW SE SE
Elev. 1861'

Rotary

Pennsylvanian Conglomerate 3308'-3328'

3308-3318 Sandy limestone. Buff marine limestone with included medium and coarse round sand grains. Basal few feet include well worn, rounded pebbles of hard Cotter cherts.

3318-3328 Sand, oilstained. Consolidated recrystallized sand, friable, well sorted, with some shaly partings and "dirty" areas. Very fine sand except for some fine and medium grains in bottom 5'. Some worn Boyce and Cotter cherts present in rotary samples. Marine conglomerate.

Channel Fill 3328'-3340'

3328-3340 Chert and coarse sand. Varied coarse fragments including (1) dull sandy Boyce cherts, (2) clusters of partially silicified coarse sand derived from Boyce, (3) worn Cotter chert pebbles. Both Boyce and Cotter cherts show coarse sand contacts. Interpreted as "rubbish" filling channel. Could be either basal marine conglomerate or land wash, if the latter then the top of the pre-Tenn surface is -1467'

Land Wash 3340'-3356' TD.

Top, - - Subsea -1479'

3340-3356 Chert and red clay. Cotter cherts showing red clay contacts. Dark red, fat clay in part mottled purplish-white. Top may be 6' lower, where clay becomes abundant. Might be Cotter residuum, but rotary samples mask sequence details.

Remarks: Arbuckle not reached at 3356' TD, of Subsea -1495'

RFW