

April 1945

Champlin Refining # 2-B Burmeister  
Sec. 13-17s-11w, CNL SE SW  
Elev. 1870'

Poor rotary samples

Pennsylvanian conglomerate

3319-3315 Oxidized flinty cherts, red and yellow. Probably a chert conglomerate. Overlying bed is slightly glauconitic white limestone. Base arbitrary.

Residuum of Arbuckle Top 3315' Thickness 33'

Subsea -1445'

3315-3325 Chert and red clay. Oolitic chert with small oolites. Head white opaque chert. Some chert with brown quartzose oolites. All with red clay contacts. Basal Cotter.

3325-3348 White cherts with red clay contacts. Some gray-green residual clay. Residuum of Cotter and Pre-Cotter.

Arbuckle Top 3348' Penetration 212'

Subsea -1478'

Pre Cotter 3348'-3560'

3348-3460 Post Boyce. White coarsely crystalline dolomite with some good intercrystalline porosity.

3460-3510 Boyce. Sandy white quartzose chert with vague oolites and rare pink grains. Sandy medium crystalline buff to white dolomites. Some included sand grains to 2 mm in the lower part.

3510-3560 Pre Cotter, unclassified. Samples very poor. Considerable sandy dolomite. Rare sandy dolomite with light micas. Below 3545 a few aggregates of recrystallized sand grains are present, and some clayey sand. Not much development of clean Everleigh-Reagan type sand. Interval may include some Pre-Boyce dolomite and Everleigh equivalent.

Pre-Cambrian Top 3560' Penetration 75'

Subsea -1690'

3560-3600 Weathered schistose metamorphics. Mostly granular schistose rock, sericitic with larger flakes of biotite mostly altered to chlorite. Some clayey red and green schistose rock. Some pink orthoclase feldspar showing contacts with schistose rock--may be pegmatitic material.

3600-3635 Quartzite. Finely granular quartzite, clear to slightly pinkish with intergranular white kaolin spots and with minor amounts of light mica. Abundant schistose material present in samples may be interbedded.

Remarks: SWD well drilled in Sept. 1944. Samples borrowed from Champlin at Enid, Oklahoma.

RFW