

285304

July 1944

Helmerick & Payne #1 Paxton  
Section 10-4S-24W, CNE SW  
Elev. 2535'

Rotary

2533 DF L.S. (Printed)

Pennsylvanian Conglomerate: No conglomerate proper.

- 3875-3885 Conglomeratic limestone. White limestone with included 2 mm rounded lumps of red limestone, and with scattered coarse sand grains.
- 3885-3907 Red clay shale. Buehler (Letter #46, 1942) calls top of Pennsylvanian basal conglomerate at 3898'. Other tops given below agree with his determinations.

Arbuckle Top 3907' Penetration 29' Subsea -1372'

- 3907-3917 Limy sandstone. White very limy sandstone with included small dark pellets of glauconite. This is either Arbuckle with infiltrated Pennsylvanian lime or Arbuckle sand reworked by the Pennsylvanian sea. Not a reservoir.
- 3917-3928 Sandy dolomite and dolomitic sand. Pink to white sandy dolomite at top grading downward into white sandy dolomitic fine sand with scattered coarse grains, and with included small dark-green glauconite pellets. Pre Cotter, Everleigh member.
- 3928-3936 Samples poor. Reported as <sup>sand</sup> by Buehler. Rare loose, coarse, rounded, frosted sand grains. Loose in rotary cuttings.

Pre Cambrian Top 3936' Penetration 27 1/2' Subsea -1401'

- 3936-3955 Granite. Pink feldspar, coarse quartz, and chlorite.
- 3955-3963 1/2 Fresh pink granite with biotite.

Remarks: Dry hole. Map as Everleigh member on Pre Cotter. Reagan sand is probably absent. If present in the poorly sampled interval, is less than 8' thick and apparently not a reservoir.

RFW:HL