

June 17, 1944

Sinclair Prairie #1 Cummings
Section 2-3S-20W, SW NW NW
Elev. 2165' ^{DFL} P

Rotary

Pennsylvanian Conglomerate 3735'-3740'

3735-3740 Sandy dense white limestone.

Arbuckle Top 3740' Penetration 220'

Subsea -1575'

Pre Cotter, not Subdivided, post-Everleigh 3740'-3840'

- 3740-3745 Dolomite, friable, fine to medium, oxidized red bright yellow and buff. Good intercrystalline porosity.
- 3745-3770 Dolomite, buff and pink medium with scattered vugs.
- 3770-3805 Porous dolomite. Pink and buff medium dolomites with good porosity, both intercrystalline and vuggy. Core 3784-3802'.
- 3805-3840 Dolomite, pink buff and red; fine and fine to medium, less porous than above with some thin shaly beds.

Everleigh Sandy Dolomite 3840'-3905'

- 3840-3885 Sandy dolomite. White pink and red dolomites, medium and medium to coarse with shaly doloclastic glauconite. Coarse sand grains in top 10', in part consolidated in thin beds with some porosity. Medium sand grains below. Bedded dolomitic sands near 3480' have some sand porosity.
- 3885-3910 Very sandy dolomite. Abundant glauconite. Sand grains are well rounded and frosted. Low vuggy porosity.

Reagan 3910'-3960'

- 3910-3946 Dolomitic sand, sand, and sandy dolomite. Sand grains are very coarse (1-2 mm.) irregularly shaped and angular to sub-rounded, pitted, and frosted. Black inclusions abundant. Some glauconite. Many 1-2 mm. sand grains, worn and well rounded, have one straight broken edge; dolomite contacts show that breaking was prior to incorporation in this Cambrian formation.
- 3946-3960 Samples worthless due to coring from 3946-3962'. Sinclair calls "Reagan" at 3942'.

Pre Cambrian Top 3960' Penetration 8½'

Subsea -1795'

- 3960-3965 Quartzite. Friable granular quartz rock with chlorite and white clay, probably from weathering of feldspar.
- 3965-3968½ Granite. Fresher pink granular quartz rock with biotite, medium grained. Some coarse biotite-granite with pink feldspar.

Remarks: Dry hole.

By comparison with the log of the Lario #1 Lynch, 24-4S-20W, and with Conselman's description of the Wirick #1 Fribus, 36-2S-19W, the post-Everleigh Pre Cotter section in this test should include pre-Weigel, Weigel, Pre Boyce, and perhaps the Boyce. The Weigel was not recognized and the Boyce is not sandy in this area, making subdivision impossible. Map as Pre Boyce (?).