

September, 1942

Stearns & Straeter & Amerada, # 1 Milke
SW SE SW, 20-12s-15w
Elev. 1899'

Cable tools

1893 6' 1/2 Printed

Pennsylvanian Conglomerate 3320'-3340'

15-167-36658

3320-3325 Limestone, white and pink, with a few imbedded sand grains.

3325-3340 No samples. Rare white, pink, red cherts caving in lower samples suggest some chert conglomerate.

Arbuckle Top 3340' Penetration (265') Subsea -1441'

Post Boyce 3340'-3415'

3340-3355 No samples. Top of Arbuckle from driller's log according to Price, # 45, 1933. Map as Post Boyce. But very little Cotter chert as cavings in lower samples and this could be from cong.

3355-3370 Dolomite, white coarsely crystalline. Price reports some water at 3365'.

3370-3394 No samples

3394-3415 Finely ground white dolomite with 10% fine sand.

Boyce 3415'-3465'

3415-3425 Finely ground dolomite, sand, and chert. About 25% chert, white to clear, sandy, quartzose.

3425-3450 Sand and dolomite. Sand grains medium and coarse, rounded, part recrystallized. 40-65% sand.

3450-3465 Finely ground samples. 70% fine sand in residues, loose, recrystallized. Resembles Everleigh.

Dolomite, pre-Boyce sand and post-Everleigh sand. 3465'-3555'

3465-3477 Finely ground dolomite with 10 to 20% sand in residues. Pre-Boyce member.

3477-3500 Dolomite, white to light brown, finely ground. About 2% clear chert with rare large sponge spicules. Weigal.

3500-3515 Dolomite as above, not cherty. Weigal?

3515-3555 Dolomite, light brown, medium, finely ground, in part slightly sandy. Position in Pre Cotter classification uncertain. May be equivalent to the upper part of the Everleigh sand of Gorham, 14s-15w, where ~~the~~ 90' of Everleigh-Reagan sand are present as compared to 50' in this test.

Everleigh-Reagan sand 3555'-3605'

3555-3595 Loose sand, medium and fine, recrystallized. Everleigh.

3595-3605 Loose sand, medium and coarse, arkosic. Includes rounded feldspar grains showing sand contacts. Reagan.

← Pre-Cambrian Top 3605' Penetration 12' Subsea -1706'
3605-3617 TD Fresh pink granite. -1709

Remarks: Restored top of Pre Cotter estimated at 3339' or Subsea -1440' E