

15582

December 1944

Carter #1 Bigge
Section 10-7S-18W, C SW SW
Elev. 1874'

Rotary

Pennsylvanian Conglomerate 3412'- 3440'

- 3412-3420 Sandy limestone. White to pink, very sandy limestone to limy sand.
- 3420-3440 Chert, red clay, and sand. Oxidized Cotter chert fragments, with brown quartzose oolitic chert abundant. Some worn surfaces. Coarse rounded sand grains and loose large chert oolites showing red clay contacts. Probably land wash into a depression or sinkhole.

Simpson (?) Top 3440'

- 3440-3460 Brightly colored shale. Dark-red to yellow-green shales, with included glossy phosphate nodules and with some phosphatic, large gastropods. Simpson type material thoroughly oxidized. Possibly slumped into a depression or sinkhole. Top from Buehler (Letter 25, 1943).

Residuum of Arbuckle

- 3460-3490 Traces of light-colored medium crystalline dolomite of Arbuckle type. Structureless, sandy red clay of residual type. Samples largely Simpson material as above. A solution riddled section difficult to interpret. Perhaps collapsed cavern material.
- 3490-3516 Residual clays with 3% Pre Cotter type dolomite. Dark-red sandy clays mottled green. Some fresh Arbuckle quartzose and flinty cherts. Probably Pre Cotter residuum.

Arbuckle Top 3516' Penetration 75' Subsea -1642'

Pre Cotter, Pre Boyce member 3516'- 3560'

- 3516-3545 Dolomite, white, fine to medium crystalline.
- 3545-3560 Dolomite, white and pink, coarsely crystalline, vuggy.

Weigel (?) 3560'-3580'

- 3560-3580 Dolomite, white, fine to medium with 5% translucent milky chert.

Everleigh 3580'- 3591'

- 3580-3591 Sandy dolomite. Medium crystalline white dolomite, with about 15% included sand grains and with rare dark-green glauconite spots.

Remarks: Dry hole drilled in 1943.

RFW:HL

Rt est 3664E (-1789E)

09C