

054582

September 1944

Cities Service #1 Templeton  
Section 14-5S-20W, SW SE SW  
Elev. 2160' <sup>DF</sup> (Printed)

Rotary

Pennsylvanian Conglomerate

Rare sandy limestone and some oil stained recrystallized sand clusters are present in a circulation sample at 3533' (corr.).

Arbuckle Top 3530' Penetration 190'

Subsea -1370'

Pre Cotter 3530'- 3720'

- 3530-3558 Weigal. Medium crystalline buff dolomite with 5% chert and with considerable doloclastic white siliceous clay. Some porosity and oil staining in the top 10 feet.
- 3558-3597 Pre Weigal. Buff medium and fine dolomite, chert free with some intercrystalline and vuggy porosity near the top.
- 3597-3680 Everleigh. Sandy glauconitic buff and pink variably crystalline dolomites, mostly medium and coarse. Smooth dark green glauconite pellets. Rounded to recrystallized, medium and coarse sand grains. Samples from the top 35 feet include oil stained clusters of recrystallized sand grains, probably present as thin beds. These samples also show dolomite with spotty oil staining in vugs, in intercrystalline voids, and in spaces between sand grains included in dolomite.
- 3680-3720 Reagan. Loose coarse and very coarse sub-rounded, pitted sand grains. Sample gap 3680 to 3695'.

Pre Cambrian Top 37<sup>20</sup> Penetration 60'

Subsea -1560'

- 3720-3750 Weathered pink granite with dull clayey feldspar and chlorite. First present in rotary sample from 3735'-3740' (corr.).
- 3750-3780 Fresh pink medium-grained granite with rare boitite. 3722' sample T.D.=3780' corrected.

Remarks: Test made a 383 barrel well from the Arbuckle. Casing was set at T.D. and production was obtained from 24 perforations placed between 3597' and 3601', or 60 feet below the top of the Arbuckle according to Mr. Cole (Letter No. 18, 1943.). These perforations are opposite the top of the Everleigh sandy dolomite (top 3597' or -1437') which shows spotty porosity and oil staining in contrast to the lower porosity and lack of oil staining in the overlying Pre Weigal and Weigal members (except for the top 10 feet of the Arbuckle). It is of interest that this test was circulated regularly every 5 feet to 3391' (corr.) as though the geologist on the well was looking for the top of the Everleigh. There are no circulation samples below this point except at 3780' T.D.

RFW:HL