

August 1944

Bay Petroleum #1 Stoskopf
Section 21-16S-12W, C SL NE NE
Elev. 1916'

Rotary

Pennsylvanian Conglomerate 3370'-3393'

- 3370-3380 Sandy limestone. White limestone with included 1 mm sand grains. Finer sand grains are present in white and pink limestones as high as 3360'. Marine conglomerate.
- 3380-3384 Poor samples. Some red clay with included coarse sand grains stained red. No cherts.
- 3384-3388 Sand. Friable porous clusters of recrystallized sand grains. This sand (top -1468') is the Pennsylvanian ^{sand} which is producing to the north in the Beaver field where it is found about -1440'. No information on a core taken from 3385-3388'.
- 3388-3393 Sandy dark-red clay. No cherts.

Arbuckle Top 3393' Penetration 27' Subsea -1477'

- 3393-3397 Silicified to friable sand. Medium and coarse sand with a few red grains. Tightly silicified at the top with quartzose chert showing voids and small vugs lined with drusy quartz. Boyce.
- 3397-3415 Sandy dolomite. Medium and coarsely crystalline white dolomite with included medium sand.
- 3415-3420 Sandy dolomite. Yellow and pink dolomite, medium and coarsely crystalline, with included sand grains part of which reach 1 mm in size. Some large muscovite flakes in dolomite. ~~Fracture~~

Pre Cambrian Top 3420' Penetration 12' Subsea -1504'

- QC
3420-3432 Granular quartzite with abundant 1 mm muscovite books with random orientation. The quartzite is in part finely granular but includes some very coarse quartz with black inclusions. It is possible that part of this material is basal sand in the Arbuckle; some quartz grains show recrystallized facets and the overlying dolomites include some muscovite flakes.

Remarks: Dry hole. Attention is directed to the complete lack of cherts in the conglomerate section drilled in this test. The operators did not report Pre Cambrian.

RFW:HL