

December, 1942

Cities Service, # 1 Opdyke  
C SE NE NW, 29-14s-13w  
Elev. 1761'

Rotary to TD

- Pennsylvanian conglomerate 3174'-3176'  
3174-3176 Sandy limestone and limy sand. Overlying Penn. pure limestones become slightly glauconitic, then sandy to very sandy, and finally grade downward into limy sand.
- Arbuckle Top 3176' Penetration 43' Subsea -1415'  
Everleigh-Reagan 3176'-3219'  
3176-3177 Sand.  
3177-3180 Core chip. Sand, very friable, oilstained throughout; paper sample bag has blotted up some free oil. Fine recrystallized sand grains with scattered coarse rounded, worn, faceted grains, in part showing black inclusions, few very coarse grains (plus 1 mm). Few large scattered muscovite flakes. No calcite or dolomite cement. A clean porous oil sand.  
3180-3184 Core chip. Oilstained sand as above.  
3184-3219 Sand, friable, mostly coarse and very coarse grains. Poorly shown in rotary samples. Some coarse sand in basal 5' showing secondary calcite cement.
- Pre Cambrian Top 3219' Subsea -1458'  
3219-3230 White clay with included biotite, altered. Clay includes some quartz and feldspar in lower part. Weathered granite.  
3230-3250 Granite, less weathered than above. Coarse quartz grains, buff to pink feldspar, green mica--chlorite?  
3250-3252 Granite, fresh, hard. Abundant salmon feldspar. Fresh biotite.

Remarks: Test dry and abandoned May, 1941, with "no shows" according to scout information. Samples borrowed from Cities Service. No information available as to results of testing oil stained Everleigh-Reagan sand shown in cores from 3177-3180, if tested.

3184

RFW