February 1945

Helmerich and Payne #1 Coulter
Section 14-9S-20W, NW SW
Elev. 2159'

Rotary

Pennsylvanian Conglomerate

3671-3677	Sandy limestone with chert pebbles resting on two or three feet of sandy dark red clay with oxidized dark red cherts.

Arbuckle Top 3677' Penetration 98' Subsea -1518'

Lower Cotter 3677'- 3775' TD

3677-3699-	Brown dolomites, mostly fine to medium crystalline, a small percentage of translucent chert.
3699-3707	Interval cored with a reported recovery of one foot of cherty dolomite. Cuttings show brown to red, coarsely crystalline dolomite and buff translucent chert.
3707-3727	Dolomite and oolitic chert. Brown, coarsely crystalline dolomite. Yellowish, translucent chert with abundant large, irregular, quartzose oolites.
3727-3750	Brown dolomites, coarse to fine. Not much chert.
3750-3765	Dolomite and oolitic chert. Brown, fine and medium dolomite in part oolitic, with abundant light brown quartzose oolitic chert.
3765-3775	Sandy dolomite, Buff, pink, and white, dense to fine, sandy dolomite.

Remarks: Dry hole drilled in 1942.

At 3775' TD this test is near the top of the Pre Cotter. The point, 3775', appears to correlate with 3730' in the Gypsy #1 Gick, 22-9S-19W.

RFW:HL