

May 1944

Royer & Farris #1 DeWald
Section 25-15S-15W, SW NE NW
Elev. 1897'

Rotary

Pennsylvanian Conglomerate 3370'-3380'

3370-3380 Limestone. Clean white with very rare included sand grains. Marine conglomerate. Top from McCracken's letter #10, 1944.

Pre-Pennsylvanian Land Wash Top 3380' Thickness 17' Subsea -1483'

3380-3397 Chert and red clay. Cherts are oxidized white, yellow, and pink, and show red clay contacts. Translucent cherts at top, quartzose oolitic chert at base. Uppermost part of this interval may be conglomerate.

Arbuckle Top 3397' Penetration 20' Subsea -1500'

3397-3400 Cotter. Dolomite, buff, white and dense, very sandy. Included sand grains are coarse, rounded, and frosted.

3400-3405 No sample.

3405-3408 Pre Cotter. Dolomite, white medium, rare coarse.

3408-3417 No samples.

Remarks: Dry hole.

The Cotter-Pre Cotter contact was drilled in this test at about 3402' or -1505'. While the sampled penetration is quite short the lithologies are distinct and this determination checks closely with the regional control.

RFW:HL