July 1943

Gulf, # 3 Kroutwurst
Sec. 9-17s-11w, C SW SE
Elev. 1849'

3311' equals 3313' SLM
Rotary

Pennsylvanian conglomerate 3280'-3285'

3280-3285 Conglomeratic red limestone with red clay partings and with a few included sand grains. Marine conglomerate.

Residuum of Arbuckle Top 3285' Thickness 25' Top, Subsea -1436'

3285-3295 Chert and red clay. Cherts are pink and white at the top, brown quartzose oolitic below. All show red clay contacts. Residuum of basal Cotter.

3295-3310 Clay, residual. Top 7' are bright red fat clays with bright green areas and with included rounded sand grains. Grade downward into pale green residual clay. Residuum of Cotter and of Pre Cotter.

Arbuckle Top 3310' Penetration 8' Subsea -1461'

3310-3313 Dolomite, medium-to coarse, in part friable. Dolomite is pink and limy at top. Pre Cotter, Post Boyce member.

3313-3318 Cored. Rec'd 2½'. Dolomite, dense, hard, medium-to-coarsely crystalline, pure except for about 1% clay. About 6" of oilstained dolomite in middle of core--has vuggy and spotty intercrystalline porosity. Strong salt taste. Pre Cotter dolomite.

Remarks: Test abandoned.

The Cotter-Pre Cotter contact was present in the residuum section drilled. The restored top of the Pre Cotter is estimated at about-1445' E.

RFW