March, 1943

Hinkle & Gulf, # 2 Burmeister
Sec. 27-16s-11w, CSL NW SW — Rotary
Elev. 1934' KB

Pennsylvanian conglomerate 3355'-3390'

3355-3358	Sandy lime. Clean cream-white limestone with a few imbedded coarse rounded sand grains.
3358-3362	Sandy buff to pink limestone.
3362-3370	Buff limestone and about 5% chert. Cherts are fresh, largely translucent. Some oolitic Cotter cherts present. A few chert fragments show lime contacts. Marine conglomerate.
3370-3380	Poor samples. About 20% chert near 3375', both flinty and quartzose--apparently Cotter types but without recognisable sequence. Much less chert below 3375'. Green residual clay of Pre Cotter type not noted. Practically impossible to know what was being drilled from 3380'-3390' from these samples.

Land Wash 3390'-3395'

3390-3395	Chert, fresh, largely dull white of a type found in the upper Pre Cotter, but brown quartzose oolitic chert from the basal Cotter is abundant. Probably land wash into a topographic depression.

Arbuckle Top 3395' Penetration 4' Subsea -1461'

3395-3399	Dolomite, white, coarsely crystalline, porous, with some oilstain. Top from Price, Letter # 34, 1941. Pre Cotter, Post Boyce member.

Remarks: Test abandoned.

The "conglomerate" section penetrated in this test is difficult to interpret from these rotary samples. Test does not appear to have encountered a residuum section which grades downward into solution riddled dolomite such as was encountered a half mile west (CNL NW SE Sec. 27) and about a half mile south (NW/c of Sec. 34). The latter tests are both cable tool dry holes with oil shows in the Arbuckle at -1462 and -1471', respectivelly.

RFW