January, 1943

Armor & Vernon, # B-1 Hoy
7-16s-11w, CWL NW SE
Elev. 1854'

Cable tools

Pennsylvanian Conglomerate 3298'-3325'

3298-3306 Sandy limestone. Clean buff lime with a few included medium sand grains. Interbedded dark marine shales. Limy sand in basal foot.

3306-3313 Shale. Flaky thin bedded gray shale. May be caving.

3313-3325 Chert and sand. Varied Cotter cherts, in part oolitic showing worn surfaces and sand contacts. About 20% sand, medium and coarse. Marine Cong.

Land Wash or Channel Fill 3325'-3350' Top, Subsea -1471'

3325-3350 Sand. Loose sand, medium at top to coarse and very coarse at base (the reverse of the usual Boyce sequence), rounded. About 20% chert, dull, milky, loose in samples. Largely Boyce-derived material but lacks silicification characterizing Boyce bedrock on an old land surface.

Arbuckle Residuum 3350'-3355'

3350-3355 Chert, clay and sand. Quartzose chert with irregular porosity and rare oil stain, light green sandy clay, white silicious clay, and rare silicified sand. Residuum of Boyce and Post Boyce. Contacts somewhat arbitrary.

Arbuckle Top 3355' Penetration 18' Subsea -1501'

3355-3365 Dolomite, sandy. White coarsely crystalline dol. with abundant included coarse and very coarse (plus 1 mm.) sand grains and with abaut 30% quartzose chert, in part sandy, in part clear, banded and druzy. Much of this secondary chert shows dolomite contacts. Boyce, probably very near the top.

3365-3369 Sand, loose fine and medium. No dolomite. Poor sample showing only the fines. Water here?

3369-3373 Sand, coarse and medium, loose. Varied cherts, gray shales, as Cavings. No dolomite. Test made HFW here.