

November, 1942

Aylward, # 1 Jones  
SE NW, 22-14s-13w  
Elev. 1727'

Cable tools

Pennsylvanian Conglomerate 3154'-3170'

3154-3166 Oxidized hard chert fragments showing red shale contacts, hard sandy to very sandy clay mottled red and white, and some loose coarse sand grains. May include some local land wash in lower part. Marine conglomerate.

Arbuckle Residuum Top 3170' Subsea -1443'

3166-3170 No sample.

3170-3176 Clay, white to light gray, sandy. Residuum of Post Boyce member of Pre Cotter.

Arbuckle Top 3176' Penetration 144' Subsea -1449'

Boyce Sand 3176'-3201' Base, Subsea -1474'

3176-3180 Silicified coarse sand, includes voids and poor oolites, either hollow or solid, white. Few red grains.

3180-3188 Loose sand, coarse and medium, rounded. Porosity under silicified "crust" indicated by HFW from 3180'-3188'.

3188-3201 Loose sand, poorly sorted, largely medium and coarse. Probably represents nearly complete Boyce section compacted by solution of dolomite.

Dolomite, pre-Boyce to post-Everleigh, 3201'-3246'

3201-3246 Dolomite, buff, fine and fine to medium. Includes about 5% very fine sand. Samples poor due to drilling ahead with HFW.

Everleigh-Reagan 3246'-3320' TD

3246-3250 Sand and dolomitic sand, fine and medium grains, faceted. Clean samples to TD suggests pipe set here.

3250-3257 Sand, loose coarse, rounded, faceted. ~~Dolomitic sand~~  
About 10% very coarse sand (plus 1 mm.).

3257-3315 Sand, loose, coarse and medium, recrystallized. Long samples.

3315-3320 Loose coarse and very coarse sand, recrystallized. Suggests Reagan. HFW at TD.

Remarks: Test drilled in 1937 with Gulf making dry hole contribution.

RFW