

288302

August 1944

Magnolia #4 Andrea
Section 7-17S-10W, NE NW SW
Elev. 1916'

Cable tools

Residuum of Arbuckle Top 3341' Subsea -1425'

3341-3368 No samples. Described by Heathman as, "red sandy clays and highly colored colitic cherts." May include some conglomerate. Residuum of basal Cotter.

Arbuckle Top 3368' Penetration 31' Subsea -1452'

Pre Cotter, Post Boyce member 3368'- 3399' T.D.

3368-3377 Dolomite, white, medium and coarsely crystalline. Includes 2% fragile white quartzose chert. Over 60% residual clay in the upper two feet.

3377-3393 Dolomite, white, coarsely crystalline, oil-stained. Includes 5% chert, flinty at top and quartzose to drusy quartz below. Some intercrystalline porosity. Considerable (70%) residual clay from 3387-3390'.

3393-3399 Dolomite, white, coarsely crystalline, with 5% rounded, frosted sand grains.

Remarks: Dry hole. Heathman (Letter #2, 1941) states that, "a small amount of oil was encountered from 3379-3383', and after one thousand gallons of acid, there was no increase so the well was abandoned."

The upper Post Boyce section is well shown in 18 short drilling-in samples. The restored top of the Pre Cotter is estimated at 3359' or -1443'.

The Arbuckle section penetrated in the #4 Andrea correlates in detail with that producing in the Transwestern #2 Fee, SE/c 12-17S-11W and in the Magnolia #5 Andrea, SW/c 7-17S-10W.

RFW:HL