

March, 1943

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Shell, # 1 Homolka
Sec. 24-11s-14w, NE SE
Elev. 1901'

Rotary to TD.

1895 DF _{1cs} (intended)

Pennsylvanian conglomerate 3365'-3400'

3365-3375 Sandy lime, sand. At top is white to pink limestone with rare included chert pebbles. This is gradational downward through very sandy lime into limy cherty sand. At the base is a foot or two of porous friable sand, recrystallized, fine-to-medium grains with included chert pebbles.

3375-3400 Chert, sand, and red clay. Cherts are Cotter types oxidized bright red and show sand or limy sand conglomerates. Beds of limy conglomeratic sand and some very sandy lime. Dark red clay shales present in samples may be interbedded. Marine conglomerate.

Land Wash 3400'-3441'

Top, -1499'

3400-3441 Chert and red clay. Cherts are pink to white, fresher than those above, and show dark red clay contacts. Clay includes a few sand grains, in part coarse. Probably land wash into a topographic depression, possibly residuum of Arb.

Arbuckle Top 3441' Penetration 27'

Subsea -1540' -1544

3441-3468 Dolomites, brown. Show rapid variation in crystallinity from dense through coarse; mostly medium. Some white chert present near 3460'. Probably high in Cotter. Possibly Miller-Purcell.

Remarks: Test abandoned.

Test quite low as compared with dry hole $\frac{1}{2}$ mile west which found fresh Arbuckle dolomite at Subsea -1467' and which had only 9' of marine conglomerate.

RFW