

September 1944

Three Ray Drilling Co. #1 Gray
(Samples labeled #1 Metropolis)
Section 17-63-20W, NW 34
Elev. 2253'

Rotary

Pennsylvanian Conglomerate 3745'-3750'

Sandy buff limestone 3745-3750

Arbuckle Top 3750' Penetration 69'

Subsea - 1497'

Cotter 3750'-3755'

Dense buff dolomite with included sand grains.

Distinctive basal Cotter lithology. Color,

texture and content are very similar to

the Pennsylvanian limestone fragments in these

samples.

3760-3765

Dolomite as above and about 10% pink to buff

oxidized lower Cotter cherts in part oolitic,

probably present as crack or cavern filling.

A second interpretation, that of McCracken,

(Letter No. 47, 1943) is that these cherts are

basal Pennsylvanian conglomerate with the pro-

Pennsylvanian surface (top of Arbuckle) at 3765'.

This interpretation implies that the dense sandy

Cotter dolomites are reworked.

Top - 1512'

Pro Cotter 3765'-3810'

3768-3790

Dolomite, white, very coarsely crystalline. Post

Boyes.

3790-3810

Dolomite, buff-white, fine to dense, granular with

small vugs. Some red shale and pinkish dolomite

near 3810'.

Remarks: Low dry hole drilled in December 1942.

REV:HT