

Feb. 1943

Black & Marshall, # 1 Redetzke
Sec. 19-16s-11w, SE SW SE
Elev. 1902' ^{DF} _{LS} R

Cable tools

Pennsylvanian conglomerate 3330'-3340'

3330-3340 Slightly sandy limestone, buff to brown, with dark gray shale partings.

3340-3344 Sandy limestone, buff and red with interbedded micaceous red shales. Some quartzite fragments in limestone at base. Marine cong.

Land Wash 3344'-3350'

Top, Subsea -1442'

3344-3350 Sandy red clay at top grading downward into a conglomerate of sand and chert in a matrix of red clay. Coarse and medium sand grains, stained red, quartzite fragments, and oxidized Cotter cherts. Locally shifted material, probably land wash, possibly marine conglomerate.

Arbuckle Top 3350' Penetration 8'

Subsea -1448'

3350-3358 Boyce. Sand, oilstained, faceted grains, medium and coarse, some fine. Loose to friable except for top 2' which is partly to tightly silicified with unfilled voids in clear secondary drusy quartzose cement. Residuum of Boyce sandy dolomite. About a dozen fragments of fine to medium dolomite, slightly sandy. Indicate that residual dolomite nubbins are present.

Pre Cambrian Top 3358' Penetration 2'

Subsea -1456'

3358-3360 Quartzite, clear, granular, with black inclusions.

Remarks: Test filled 2,000' with oil in 10 hours at TD.

PF
RWF