Feb. 1943

Sinclair-Prairie, # 1 Redotzke
Sec. 9-16s-11w, NE SE
Elev. 1859'

Cable tools

Pennsylvanian conglomerate 3300'-3322'

3300-3309 Sandy limestone. Marine lime, white, buff, red, with red shaly partings and included sand, rounded

3309-3316 Sandy limestone. Buff to red limestone, slightly sandy with rare included worn pebble (plus 5 mm) of red Cotter cherts. Marine conglomerate.

3316-3322 Sand, Fine to very fine sand, recrystallized grains, oilstained, well sorted except for about 15% included worn rounded red Cotter (and Boyce?) chert pebbles and rare coarse sand grains. Grades into shaly sand. Marine.

Land Wash 3322'-3345' Top, Subsea -1463'

3322-3345 Clay, dark red, very sandy. About 4% oxidized Cotter cherts showing red clay contacts. Sand in clay is largely medium and fine and forms 30 to 40% of samples. This clay caves badly and contaminates all lower samples.

Arbuckle Top 3345' Penetration 39' Subsea -1486'

Cotter 3345'-3355'

3345-3355 Dolomite, light brown, dense.

Pre Cotter, Post Boyce member, 3355'-3384' TD

3355-3362 Dolomite, dense, sandy. Some white dolomite, medium and coarsely crystalline. A little bright green shale at base.

3362-3375 Dolomite, white, coarsely crystalline, pure. Some dense dolomite as above.

3375-3384 Dolomite, white, coarsely crystalline with about 4% white translucent chert, masked in bottom 4' by caving cherts due to HFW at 3384' TD.

Remarks: Dry hole

Top of Pre Cotter drilled at 3355' or Subsea -1496'

(Considered by Conselman, Letter # 24, 1941, as in Cotter, Zone I at total depth.)

225

-1721 E

PE

RFW