

OWNER: R. E. Kirby (Well #1)
DRILLER: C. R. Moore
COUNTY: Albemarle (Shadwell)

VDMR #817
WWCR #861
TOTAL DEPTH: 175'

GEOLOGIC LOG

- 20 Overburden — light-brown, cryptocrystalline, shiny.
- 30 Phyllite — light-greenish-gray, shiny, cryptocrystalline, crumpled platy layers and flakes; muscovite and chlorite, minor oxidation zone.
- 40 As above — less oxidation.
- 50 As above — with vein calcite.
- 60 As above — no calcite, very minor oxidation, (X-ray examination: equal amounts of chlorite and muscovite).
- 70 Phyllite — light-greenish-gray, shiny cryptocrystalline, platy crumpled foliation; muscovite and chlorite.
- 80 As above.
- 90 As above — minor vein calcite.
- 100 As above.
- 110 Phyllite — light-greenish-gray, shiny, cryptocrystalline, crumpled platy layers and flakes; muscovite and chlorite, very minor calcite.
- 120 As above — slightly darker.
- 125 As above — altered zone of paper thin clay and iron oxide.
- 130 Phyllite — light greenish-gray, shiny cryptocrystalline, crumpled platy layers and flakes; muscovite and chlorite.
- 140 As above — some fragments are lavender.
- 150 Phyllite — purple-gray, shiny cryptocrystalline crumpled platy, layers and flakes, (X-ray examination: equal amounts muscovite and chlorite, color may be due to a more mafic chlorite).

GEOLOGIC SUMMARY

FORMATION

Candler

AGE

Cambrian

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
October 6, 1964