

OWNER: U. S. Army Corps of Engineers
(Reservoir Mgr's. Office Well #1
DRILLER: Hickory Well Supply Co., Inc.
COUNTY: Henry (Bassett)

VDMR #1288
WWCR #153
TOTAL DEPTH: 250'

GEOLOGIC LOG

- 0-10 Saproilitic Schist — medium-brown, medium-coarse-grained; mica, quartz, minor tourmaline, amphibole, iron oxides and clay.
- 10-20 As above.
- 20-35 Mica Schist (Weathered) — gray and brown, shiny, medium-coarse-grained; muscovite, biotite, chlorite, quartz; minor amphibole; trace epidote and magnetite; minor iron oxide and clay.
- 35-45 As above — more mica.
- 45-55 As above — less mica; less weathering; minor pyrrhotite and pyrite.
- 55-65 Mica Schist — medium-light-gray; medium-coarse-grained; muscovite, chlorite, biotite, quartz; minor tourmaline, amphibole, apatite, feldspar, pyrite, and pyrrhotite, vein quartz, iron oxides; bedrock occurs in this interval.
- 65-75 As above.
- 75-85 As above.
- 85-95 As above.
- 95-105 As above.
- 105-115 As above.
- 115-125 As above.
- 125-135 As above.
- 135-145 As above — with minor vein calcite.
- 145-155 Mica Schist — medium-blue-gray, medium-grained, foliated; biotite, muscovite, quartz, pyrite, and pyrrhotite; minor tourmaline, amphibole, garnet, iron oxide inclusions in all minerals.

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- 155-165 Mica Schist — medium-blue-gray, medium-grained, foliated; biotite, muscovite, quartz, pyrite, and pyrrhotite; minor tourmaline, amphibole, garnet, iron oxide inclusions in all minerals.
- 165-175 As above.
- 175-185 As above.
- 185-195 As above.
- 195-205 As above.
- 205-215 As above.
- 215-225 As above.
- 225-235 As above.
- 235-245 As above.
- 250 As above.

GEOLOGIC SUMMARY

ROCK UNIT

TIME ROCK UNIT

Mica Schist

Precambrian

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
April 16, 1965