

OWNER: Carl Long
DRILLER: Farmville Well Drilling Co., Inc.
COUNTY: Charlotte (Keysville)

VDMR #1439
WWCR #187
TOTAL DEPTH: 252'

GEOLOGIC LOG

- 0-110 No samples.
- 110-122 Feldspathic-Chlorite-Muscovite Schist - grayish-green, coarse-grained; oligoclase, chlorite, muscovite, quartz, epidote; minor alkali feldspar, apatite, calcite, garnet, magnetite pyrite: massive in part.
- 122-142 As above - very coarse-grained, stronger foliation small augen of quartz.
- 142-162 As above - banded; green chlorite rich bands; white and pale-pink bands of plagioclase, alkali-feldspar, quartz, and minor garnet and muscovite.
- 162-182 As above - less segregation of minerals, more massive.
- 182-222 As above.
- 222-237 Hornblende and Chlorite Schist - dark-gray-green, medium-fine-grained, good lineation, poor foliation; hornblende, chlorite, oligoclase-andesine, epidote, quartz, muscovite, magnetite, apatite, garnet and trace pyrite; occasional leucocratic laminae of quartz and feldspar.
- 237-252 Feldspathic-Muscovite-Chlorite Schist - gray-green and white; coarse-grained; muscovite, chlorite, oligoclase, quartz, epidote, magnetite, and minor garnet and calcite; leucocratic bands (up to 20 mm thick) of feldspar muscovite quartz and minor garnet.

GEOLOGIC SUMMARY

Feldspathic-Chlorite-Muscovite Schist which appears to be derived from older hornblende schist by dynamic and chemical retrograde metamorphism.

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
December 9, 1965