



OWNER: Hunter Ferguson  
DRILLER: Farmville Well Drilling Co., Inc.  
COUNTY: Prince Edward (Farmville)

VDMR #1448  
WWCR #42  
TOTAL DEPTH: 168'

### GEOLOGIC LOG

- 0-42 No samples.
- 42-62 Hornblende Gneiss — very-light-gray and black, average-grain size over 1 mm (coarse material is ground by drill to this size), permeable; quartz, epidote, oligoclase, hornblende, biotite, minor albite, chlorite; minor medium-gray micaceous massive marble, minor pyrite.
- 62-72 As above — no marble, trace of calcite.
- 72-82 Gneiss — white with minor black; average grain size 1-3 mm; permeable; quartz, alkali feldspar, oligoclase, epidote; minor hornblende, biotite, muscovite and garnet.
- 82-92 Hornblende Gneiss — very-light-gray and black, average grain size approximately 1 mm; permeable; quartz, oligoclase, andesine, epidote, hornblende, biotite.
- 92-102 As above — less feldspar, trace garnet.
- 102-112 As above — more epidote.
- 112-122 As above — less epidote, more feldspar.
- 122-132 As above — more epidote; minor light-gray micaceous marble with minor pyrite.
- 132-142 As above — no marble.
- 142-168 No sample.

### GEOLOGIC SUMMARY

These samples are of Hornblende Gneiss of unknown age. Note the two beds of marble at 42-62 and 122-132. These may represent limestones in the pre-metamorphic shales.

Virginia Division of Mineral Resources  
Hollis N. Walker, Geologist  
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