

OWNER: Villa Heights Water Company #6
DRILLER: B. N. Peters
COUNTY: Henry (Martinsville)

VDMR #1375
WWCR #163
TOTAL DEPTH: 260'

GEOLOGIC LOG

- 0-50 No sample.
- 50-60 Gneiss - white and black, trace of pink; coarse-grained; oligoclase-andesine, quartz, potash-feldspar, muscovite, biotite, magnetite; minor garnet, epidote; trace pyrite.
- 60-70 As above - with minor dark-gray, fine-grained, composed of mica, feldspar, quartz, and magnetite. The dark material may be a mylonite; trace iron oxide stain.
- 70-80 As above - no fine-grained, dark material; less iron oxide.
- 80-90 Gneiss - very-light-gray, coarse-grained, quartz, feldspar, muscovite; minor biotite, garnet, magnetite, and epidote.
- 90-100 As above.
- 100-110 Gneiss - white and black, coarse-grained, feldspar, muscovite, quartz, biotite, magnetite; minor garnet and epidote; trace pyrite.
- 110-120 As above - less biotite, minor fine-grained, cataclastic gneiss.
- 120-130 As above - slightly finer-grained.
- 130-140 As above - more biotite.
- 140-150 As above.
- 150-160 As above.
- 160-170 As above - coarser grain.
- 170-180 Biotite Gneiss - black and white; very-coarse-grained, biotite, feldspar, quartz, magnetite, and muscovite.
- 180-190 As above - slightly less biotite.
- 190-200 As above - more biotite, minor garnet, trace amphibole.
- 200-210 Gneiss - black and white, coarse-grained; andesine, biotite, quartz, magnetite; minor hornblende, and apatite; trace calcite and epidote.
- 210-220 As above - no hornblende, trace pyrite.

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- 220-225 Hornblende Gneiss — white and very-dark-green; medium-coarse-grained; hornblende, quartz, feldspar, magnetite, biotite, epidote; minor zircon.
- 225-230 No sample.
- 230-240 Biotite Gneiss — white and black, coarse-grained; feldspar, biotite, quartz, magnetite; minor hornblende and epidote.
- 240-250 As above — coarser-grained, more biotite.
- 250-260 As above.

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
0-50	No sample	
50-260	Mica Gneiss with Hornblende Gneiss at 220-225'	Precambrian ?

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
October 25, 1965