

OWNER: Naylor Trailer Court - Well #3
DRILLER: C. R. Moore
COUNTY: Albemarle (Charlottesville)

VDMR #1370
WWCR #964
TOTAL DEPTH: 230'

GEOLOGIC LOG

- 0-50 No sample.
- 50 Biotite Schist — dark-brownish-gray, shiny; medium- to coarse-grained, foliated; biotite, quartz, feldspar, chlorite, muscovite, and minor garnet (euhedral, up to 3 mm).
- 60 As above — more garnet, minor veins of quartz with a trace of sphalerite.
- 70 As above — garnet to 5 mm; minor pyrite more veins of quartz with sphalerite.
- 80 As above — more pyrite; less garnet, no sphalerite; fractures with slight orange stain.
- 90 As above.
- 100 As above — with minor pyrrhotite, trace sphalerite.
- 120 Biotite Schist — medium-dark-greenish-gray, shiny; foliated, coarse-grained (1/2 to 1 mm); garnet crystals to 4 mm; biotite, quartz, feldspar, garnet, muscovite, chlorite, pyrrhotite, pyrite; quartz veins with chloritized wall rock.
- 130 As above.
- 140 As above.
- 150 As above — less garnet and pyrite.
- 160 As above.
- 170 Biotite Schist — medium-dark-gray, very-coarse- to medium-grained, foliated; biotite, quartz, feldspar, chlorite, minor garnet, trace pyrite and sphalerite; minor amphibole bearing schist.
- 180 Metamorphosed Basalt and Amphibolite — medium-dark-grayish red-aphanitic metamorphosed basalt with microphenocrysts of plagioclase in a matrix of plagioclase, pyroxene, and olivene that has been highly altered to albite, epidote ankerite and quartz; medium-greenish-gray, fine- to very-coarse-grained amphibolite with hornblende, untwinned albite, biotite, and minor ilmenite and sphene.

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- 190 Amphibolite — medium-dark-green-gray, very-coarse-grained (1-3 mm) matted texture; hornblende, chlorite, albite, minor veins of ankerite-dolomite.
- 200 Schist — medium-dark-brownish and greenish-gray, very-coarse-grained; biotite, hornblende, feldspar, quartz, minor garnet and pyrite.
- 210 Gneiss — very-light-gray- to medium-gray, coarse-grained, banded, quartz, feldspar, biotite, chlorite, muscovite, minor pyrite, pyrrhotite, and garnet.
- 220 As above.
- 230 As above.

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
0-50	No sample	
50-230	Lynchburg Formation with Metamorphosed Basalt and Amphibolite Intrusives at 180-190 feet.	Precambrian

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
September 28, 1965