

OWNER: American Telephone & Telegraph Co.
Peters Mountain #1
DRILLER: Sydnor Pump & Well Co.
COUNTY: Albemarle

VDMR #918
WWCR #890
TOTAL DEPTH: 200'

GEOLOGIC LOG

Overburden (0-10)

0- 10 Overburden - light brown, medium to fine grained, clay, manganese wad, quartz, limonite staining.

Catoctin Formation (10-200)

10- 20 Weathered Schist - greenish to light brown, medium to fine grained, quartz, minor milky vein quartz, epidote, clay, minor authophyllite, and wad.

20- 30 As above.

30- 40 As above.

40- 50 As above.

50- 55 As above.

55- 65 As above (with considerable quantities of milky vein quartz).

65-140 Greenstone - pale olive to grayish olive, fine grained, clay, quartz, amphibole, magnetite; clay occurs in egg-shaped exfoliated masses. (X-ray analysis: Quartz 20%, chlorite 25%, plagioclase 15%, potassic feldspar 5%, clay 15%, biotite 10%, amphibole 10%).

140-150 Greenstone - grayish olive, fine grained, quartz, questionable feldspar, clay, epidote, and minor magnetite, some vein quartz, traces of hematite.

150-160 As above.

160-170 Schist - pale olive to grayish olive, fine grained, clay, quartz, minor epidote and magnetite (octahedra); clay occurs in egg-shaped exfoliated masses.

170-180 As above (with increasing epidote).

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180-190 Greenstone - grayish olive, fine grained, quartz, questionable feldspar, clay, epidote, and minor magnetite, some rounded milky quartz grains.

190-200 As above.

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
0- 10	Overburden	Recent
10-200	Catoctin Formation	Precambrian

Virginia Division of Mineral Resources
Villard S. Griffin, Jr., Geologist
July 21, 1964