

OWNER: Town of Appomattox #6  
DRILLER: Fallwell Well Corporation  
COUNTY: Appomattox

VDMR: 1740  
WWCR: 31  
TOTAL DEPTH: 300

GEOLOGIC LOG

Depth in feet

0-10	Amphibolite - greenish-black, fine-grained, with some vein quartz; weathered.
10-20	"
20-30	"
30-40	"
40-50	"
50-60	"
60-70	Gneiss - gray, muscovite-biotite with schist bands; pyrite, pyrrhotite, and acicular black hornblende occur as accessories.
70-80	"
80-90	"
90-100	"
100-110	Vein quartz - white, with traces of pyrite.
110-120	Gneiss - banded, biotite-plagioclase; amphibolite.
120-130	Gneiss -- banded, alternating, gray, felsic quartzofeldspathic and muscovitic-biotite bands, and dark greenish-black amphibolitic bands.
130-140	"
140-150	"
150-160	"
160-170	"
170-180	Banded gneiss and amphibolite - with 1-2 mm spheroidal clusters of minute (0.1 mm) octahedral pyrite and marcasite, intergrown; trace of copper.

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180-190	Banded gneiss - gray, with muscovite-biotite schist partings; traces of pyrite, pyrrhotite.
190-200	"
200-210	"
210-220	"
220-230	"
230-240	"
240-250	"
250-260	"
260-270	"
270-280	"
280-290	" some amphibolite.
290-300	" some amphibolite.

GEOLOGIC SUMMARY

<u>Rock Unit</u>	<u>Age</u>
Lynchburg Formation	Late Precambrian

Virginia Division of Mineral Resources  
Richard S. Good  
February 6, 1967

## SAMPLE DESCRIPTION

Town of Appomattox, well no. 6 (air-test samples),

<u>Depth</u>	<u>Rock Type</u>
85'	Amphibolite - dark gray to black; fine-grained; faintly banded or foliated
95'	Vein quartz - white; vitreous
100'	Banded amphibolite - medium to coarse-grained; amphibole, quartz, feldspar; marcasite-pyrite mineralization along joints; several fracture surfaces visible
170'	Banded migmatite - fine to medium-grained; quartz, feldspar, biotite, and a few smashed garnets; some pyrite-marcasite mineralization
275'	Quartz-sericite schist - pale silvery-green; medium-grained; quartz, sericite, muscovite, and trace of pyrite; somewhat porous; cataclastic texture
295'	Same as above sample

Samples collected and submitted by C. S. Booth, Appomattox Town Manager

Virginia Division of Mineral Resources  
Charlottesville, VA 22903  
T. M. Gathright, Geologist - 11/3/66