

OWNER: Pittsylvania County School Board
TENANT: Union Hall School
DRILLER: Kinkle Campbell (Falwell)
COUNTY: Pittsylvania (Chatham)

VDMR #1151
WWCR #199
TOTAL DEPTH: 320'

GEOLOGIC LOG

Overburden (0-50')

- 0-10 Overburden - light pinkish-brown, coarse grained, weathered mica, quartz, hornblende, kaolinized feldspar.
- 10-20 As above - more quartz and not as pink.
- 20-30 As above - less alteration.
- 30-40 Overburden - medium brown, coarse grained, less alteration than above, mica, quartz, feldspar, hornblende, pyroxene, vein quartz.
- 40-50 As above.

Shelton Gneiss (50-120')

- 50-60 Gneiss - very dark and very light slightly greenish-gray, coarse grained. Dark material composed essentially of biotite, quartz, and pyroxene. Light material composed of quartz, muscovite, plagioclase feldspar, pyroxene and biotite. Dark material 3/4 of rock, (top of bedrock in this interval).
- 60-70 As above - dark material 1/2 of rock.
- 70-80 As above.
- 80-90 Gneiss - medium gray, coarse grained, less segregation into layers, a salt and pepper appearance except for a few large feldspar crystals, quartz, biotite, plagioclase, pyroxene, hornblende, and epidote, minor iron oxides.
- 90-100 As above - coarser grained, minor pyrite and vein quartz.
- 100-110 As above - with chlorite.
- 110-120 Granitic Gneiss - very pale gray, slightly pinkish, potash feldspar, quartz, biotite, epidote, minor pyrite.
- 120-320 No sample.

OWNER: Pittsylvania County School Board (Union Hall School) Continued

GEOLOGIC SUMMARYROCK TYPEGEOLOGIC UNITAGE

0-50	Overburden	
50-110	Gneiss	Shelton Gneiss ?
110-120	Granitic Gneiss	

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
October 30, 1964