

OWNER: Buckingham Co. School Bd. (Gold Hill #2)
DRILLER: Falwell Well Corporation
COUNTY: Buckingham

VDMR #911
WWCR 114
TOTAL DEPTH: 190'

GEOLOGIC LOG

Overburden (0-10')

0-10 Overburden — light reddish brown, fine grained; sericite, clay, quartz, vein quartz.

Saprolite (10-90')

10-20 Saprolite — light yellowish brown, fine grained; vermiculite, sericite, clay, quartz, and traces of manganese wad.

20-30 Saprolite — medium reddish brown, fine grained; vermiculite, sericite, clay, quartz.

30-40 As above.

40-50 As above.

50-60 Saprolite — light olive-brown, fine grained; clay, vermiculite, quartz, sericite.

60-70 As above.

70-80 As above.

80-90 Saprolite — light reddish brown, fine grained; vermiculite, sericite, clay, quartz.

Arvonian Formation ? (90-180')

90-100 Slate - gray, fine to medium grained; quartz, feldspar, sericite, traces of graphite pigment. (X-ray analysis: Quartz 35%, muscovite 20%, biotite 20%, chlorite 15%, plagioclase 10%).

100-110 As above.

110-120 As above.

120-130 As above.

130-140 Schist — greenish gray, medium grained; quartz, feldspar, chlorite, biotite, minor magnetite.

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140-150	Slate — gray, fine to medium grained; quartz, feldspar, sericite, traces of graphite pigment.
150-160	As above.
160-170	As above.
170-180	As above.
180-190	No sample.

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>AGE</u>
0-10	Overburden	Recent
10-90	Saprolite	Ordovician
90-180	Arvonian Formation(?)	Ordovician
180-190	No sample	

Virginia Division of Mineral Resources
Villard S. Griffin, Jr., Geologist
July 29, 1964