

OWNER: Buckingham Co. School Board (Gold Hill #5)
DRILLER: Falwell Well Corporation
COUNTY: Buckingham

VDMR #914
WWCR #116
TOTAL DEPTH: 140'

GEOLOGIC LOG

Overburden (0-70')

0-10	Overburden — light olive-brown, fine grained; sericite, clay, quartz.
10-20	As above.
20-30	As above.
30-40	As above.
40-50	As above.
50-60	As above. (X-ray analysis: Quartz 25%, muscovite 30%, plagioclase 15%, kaolinite 5%, dolomite 5%, biotite 20%).
60-70	Overburden - light olive-brown, fine grained; sericite, quartz, clay.

Arvonian Formation (70-140')

70-80	Slate - gray, fine to medium grained; quartz, feldspar, sericite, traces of graphite pigment.
80-90	As above.
90-100	As above.
100-110	Slate — gray, fine to medium grained; quartz, feldspar, sericite, traces of graphitic pigment (By petrographic examination), trace of weathering.
110-120	As above (with minor vein quartz).
120-130	As above (some weathering).
130-140	As above.

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>AGE</u>
0-70	Overburden	
70-140	Arvonian Formation (?)	Ordovician

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

July 29, 1964