



OWNER: Garland Dodd #2  
DRILLER: Mitchell Well & Pump Co.  
COUNTY: Chesterfield (Cononial Hts.)

VDMR # 935  
WWCR # 142  
TOTAL DEPTH : 199'

GEOLOGIC LOG

Columbia group (0-50)

- 0-10 Sand-white to yellow, very coarse to fine grained,  
angular to subrounded.
- 10-20 As above
- 20-30 Silt-yellow, moderately indurated, calcareous & arenaceous,  
(granule to fine grained rounded quartz grains).
- 30-40 Sand-yellow, silty, predominantly granule to coarse  
grained.
- 40-50 Sand-yellow, predomiantly fine grained, angular to  
subrounded.

Aquia formation (50-150)

- 50-60 Sand-dark green, fine grained with a few coarse grains,  
angular.
- 60-70 Sand-dark green, very fine grained with a few coarse  
grains, angular to subangular, mica, zircon.
- 70-80 Siltstone-light green, arenaceous, coarse to fine  
grained quartz, subrounded.
- 80-90 Sandstone-dark green, moderately indurated, friable,  
medium to very fine grained with a few granule-  
size quartz grains, angular to subrounded, mica,  
collophane.
- 90-100 Sand-light green, predominantly medium to fine grained,  
blue & red quartz grains, angular to subrounded,  
collophane, apalite, glauconite.
- 100-110 Sand-light gray, granule to coarse grained, angular to  
subangular, mica.
- 110-120 Sand-light gray, silty, granule to fine grained, angular  
to subrounded.
- 120-130 Sand-light gray, silty, very coarse to fine grained,  
angular to subangular.
- 130-140 Sand-very light gray, silty, very coarse to very fine  
grained, angular to subrounded, garnet, mica.

140-150 Sand-light green, very silty, predominately medium to very fine grained, some granule to coarse blue quartz, angular to subrounded, muscovite & biotite microcline.

Petersburg granite (150-199)

150-160 Granite-white, medium grained, orthoclase, plagioclase, muscovite, biotite, quartz, pyrite, weathering stains & weathered feldspar fragments.

160-170 As above

170-180 As above

180-190 As above

190-199 As above

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>AGE</u>
0-40	Columbia group	Pleistocene
40-150	Aquia formation	Eocene
150-199	Petersburg granite	Precambrian

Virginia Division of Mineral Resources  
 Roger C. Wilkenloh - Geologist  
 Feb. 24, 1964