

OWNER: Garland Dodd #1
DRILLER: Mitchell Well & Pump Co.
COUNTY: Chesterfield (Colonial Hts.)

VDMR # 936
WWCR # 141
TOTAL DEPTH : 159'

GEOLOGIC LOG

Columbia group (0-80)

- 1-10 Sand-brown, silty, very coarse to fine grained, angular to subrounded.
- 10-20 As above
- 20-30 Sand-yellowish brown, silty, feldspathic, coarse to fine grained, subangular to subrounded, muscovite, & magnetite.
- 30-40 Sand-white, silty, very coarse to fine grained, subangular to subrounded, muscovite, magnetite.
- 40-50 Sand-light brown, silty, very coarse to fine grained, angular to subrounded, magnetite.
- 50-60 As above
- 60-70 Sand-yellow to brown, silty, feldspathic, fine grained, some granule to coarse grained fragments, angular to subrounded, magnetite.
- 70-80 Sand-yellow, fine grained, some granule to coarse grained fragments, angular to subrounded, magnetite.

Aquia formation (80-140)

- 80-90 Sand-green, moderately indurated, very fine grained, some coarse grained fragments, angular to subangular, magnetite, muscovite, epidote zircon.
- 90-100 Siltstone-light green, arenaceous, quartz coarse to fine grained, magnetite, colophonite.
- 100-110 As above.
- 110-120 Sand-light gray, silty, feldspathic, pebble to medium grained, angular to subrounded, mica, magnetite, colophonite, pyrite, weathering.
- 120-130 Sand-white, silty, coarse to fine grained, angular to subrounded, muscovite & magnetite.
- 130-140 Sand-gray, silty, feldspathic, coarse to fine grained, angular to subrounded, muscovite, magnetite, colophonite, glauconite.

Granite Wash (140-150)

140-150 Gravel, granite wash-predominately quartz fragments, pebble to fine grained, angular to rounded, milky, yellow, rose, & smokey quartz, some weathered and stained fragments, orthoclase, plagioclase, & pyrite.

GEOLOGIC SUMMARY

<u>ROCK UNIT</u>		<u>AGE</u>
0-80	Columbia group	Pleistocene
80-140	Aquia formation	Eocene
140-150	Granite wash	Precambrian ?

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