

OWNER: Hanover Construction Co.
DRILLER: Mitchell's Well & Pump Co.
COUNTY: Hanover

W#: 335
C#: 44
TOTAL DEPTH: 306'
QUAD: Hanover

GEOLOGIC LOG

Depth
(feet)

- 0-6 Sand — dark yellowish orange; slightly clayey; fine to medium grained; subangular to subrounded; well sorted; quartz; feldspar; few grains of glauconite; few opaques.
- 6-7 No sample.
- 7-21 As (0-6) except medium grained, some coarse grains.
- 21-31 Gravel — dark yellowish orange; moderate clay; abundant fine to coarse grained sand, 7% granules; angular to subangular; moderately sorted; quartz; feldspar; few flakes of muscovite.
- 31-137 Clay — olive light gray; few grains of quartz; few shell fragments; muscovite.
- 137-138 No sample.
- 138-150 Sand — olive gray; abundant clay — olive gray, light olive gray; very fine to fine grained; well sorted; quartz; some glauconite; few flakes of muscovite; forams rare (inc. Buccella).
- 150-158 Sand and gravel — multicolored; coarse grained to granular; gravel 4-30mm; angular; poorly sorted; quartz; some feldspar; few flakes of muscovite.
- 158-192 Sand — dusky yellow; slightly clayey; coarse grained to granular, few pebbles; subrounded; moderately sorted; quartz; feldspar; few flakes of muscovite.
- 192-200 Sand and clay — light brown; moderate clay — light brown, dusky yellow, light gray; abundant sand; coarse grained to granular, some pebbles; subangular to subrounded; moderately sorted; quartz; feldspar.
- 200-227 Sand — light olive gray; moderate clay — light olive gray, light brown; medium to coarse grained, some granules; subangular to subrounded; moderately well sorted; quartz, feldspar; some muscovite.
- 227-306 Granite (weathered) — yellowish gray; slightly clayey; quartz; feldspar; some biotite; muscovite.

Note: All samples are unwashed.

Logged by: Michael T. Currie
Dec 28, 1978

OWNER: Hanover Const., Co.

W#: 335

GEOLOGIC SUMMARY

<u>DEPTH</u> <u>(feet)</u>	<u>THICKNESS</u> <u>(feet)</u>	<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
0 - 31	31	Columbia Group	Pleistocene
31 - 150	119	Chesapeake Group (?)	
150 - 227	77	Patuxent Formation	Cretaceous
227 - 306	79	Petersburg Granite	Paleozoic (?)

VIRGINIA DIVISION OF MINERAL RESOURCES
David A. Hubbard, Jr., Geologist
January 2, 1979