

OWNER: New Hope Methodist Church
DRILLER: Sydnor Pump & Well Co.
COUNTY: Augusta (New Hope)

VDMR # 901
WWCR # 280
TOTAL DEPTH : 138'

GEOLOGIC LOG

- 45 Clods of reddish clay which efferveces slightly and falls apart under ~~HCl~~ HCl. Black - dark grey chert drips and badly weathered silty chips.
- 50 Light to medium grey microcrystalline dolomite with calcite veins, some minor buff colored dolomite, with pyrite; common iron oxide staining. Minor limestone - light to dark grey, hard, no apparent fossil content, microcrystalline, rare pyrite and common calcite.
- 60 Dove grey, cryptocrptalline, limestone. High calcium type, reacts strongly to HCl, common calcite and abundant fine-grained quartz with; common iron oxide staining.
- 75 Dark grey, microcrystalline limestone with white calcite veins.
- 90 Dove grey, cryptocrystalline limestone with some light grey, and buff-colored dolomite. Wilson(1963) saw brachiopod fragments. I did not.
- 105 Dark-grey limestone, buff dolomite, with a phyllite or weathered dol. chip with pyrite cubes in it, cryptocrystalline to microcrystalline, with common calcite and abundant iron oxide staining.
- 138 Dove grey, microcryst^salline limestone with some medium grey dolomite, with abundant calcite and iron staining.

GEOLOGIC SUMMARY

<u>AGE</u>	<u>ROCK UNIT</u>
Ordovician	Beekmantown (upper part)

Virginia Division of Mineral Resources
John L. Sullivan - Geologist
November 22, 1976