

OWNER: Westmoreland Davis Memorial Foundation
(Morven Park)
DRILLER: Sydnor Pump and Well Company, Inc.
COUNTY: Loudoun (Leesburg)

VDMR #1337
WWCR #594
TOTAL DEPTH: 355'

GEOLOGIC LOG

Overburden (0-60')

- 0-20 Clay and Sand — light-brown, silt to coarse sand; angular fragments, metamorphosed basalt, sandstone, and vein quartz often with hematite, limonite, and magnetite, minor mica.
- 20-40 As above.
- 40-60 As above — very-pale-pink.
- 60-80 No sample.

Catoctin Formation (80-350')

- 80-100 Weathered Metamorphosed Basalt — medium-brownish-orange-gray, fine- to medium-grained; chlorite, sericite, epidote, magnetite; minor quartz, clay and iron oxides, seams of manganese oxides.
- 100-140 As above — less manganese oxides.
- 140-200 No samples.
- 200-220 Metamorphosed Basalt — medium-purple-gray- to green-gray, fine- to medium-grained; chlorite, epidote, sericite, magnetite, and other iron oxides; minor vein quartz and silicified metamorphosed basalt.
- 220-240 Greenstone — medium-dark-greenish-gray, medium-fine-grained, slight foliation; chlorite, sericite, amphibole, epidote, plagioclase, magnetite, minor hematite, and vein quartz.
- 240-260 As above — less foliated, trace purple-brown weathering stain.
- 260-280 As above.
- 280-300 As above — minor vein of fine-grained quartz and sericite.
- 300-320 As above — less purple stain; minor pyrite, more sericite.
- 320-350 As above — more hematite and limonite stain, more epidote.
- 350-355 No sample.

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GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
0-60	Overburden	Recent
60-80	No sample	
80-350	Catoctin Formation	Cambrian ?
350-355	No sample	

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
August 2, 1965