

OWNER: John Garver
DRILLER: C. R. Moore (Gibson)
COUNTY: Albemarle (Hydraulic)

VDMR #810
WWCR #854
TOTAL DEPTH: 100'

GEOLOGIC LOG

0-48 No samples.

Overburden (48-60')

48-50 Overburden — very-dark brown, medium-grained, foliated; biotite, quartz, feldspar, clay, iron oxides.

50-60 As above.

60-65 No sample.

Lovingston Formation (65-100')

65-67 Biotite Gneiss — medium-grained, dark-gray, foliated; biotite, plagioclase, quartz; slight alteration (top of bedrock in this interval).

67-70 As above — less weathering.

70-80 Biotite, Plagioclase, Gneiss — medium dark-gray, medium-grained (except for plagioclase which is very large); X-ray examination showed the rock to be composed of equal parts biotite and plagioclase and about 20% quartz. Microscopic examination showed the presence of chlorite, amphibole, calcite, very minor pyrite, zircon, and garnet. Some fracture zones are oxidized.

80-90 As above — no pyrite or garnet.

90-100 As above — with pyrite.

GEOLOGIC SUMMARY

	<u>FORMATION</u>	<u>AGE</u>
0-48	No samples	?
48-60	Overburden	Recent
60-65	No sample	?
65-100	Lovingston Formation	Precambrian

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
October 1, 1964