## INTERVAL SHEET

WWCR 854 VDMR Well No.: Well No. 810 Page\_\_\_ 4/19/63 Sample Interval: from 48 to 100 Date John Garver Total depth 100 PROP: C. R. Moore COMP: Oil\_\_\_Gas\_\_Water\_X Exploratory\_ COUNTY: Albemarle (Hydraulic) Cuttings X Core Other VDMR Well No: W-810 Washed samples From-To From-To From-To From-To From-To 48 No samples Complete set of 50 48 washēd samples 50 60 65 67 67 70 70 80 80 90 90 - 100

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')

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')

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

67-70 As above — less weathering.

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

	FORMATION	$\overline{AGE}$
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