

OWNER: T. Arthur Barbour
DRILLER: C. R. Moore (O. Gibson)
COUNTY: Albemarle (Stony Point)

VDMR #848
WWCR #881
TOTAL DEPTH: 135'

GEOLOGIC LOG

- 0-23 No sample.
- Lynchburg Formation (23-135')
- 23-25 Schist — medium-dark-gray, fine-grained (0.1-0.2 mm),
biotite, muscovite quartz; about 1/3 of the material from
this level is dark medium-gray, medium-grained (1.0-
1.5 mm), with some coarser quartz, quartz, muscovite,
and biotite.
- 25-30 Schist — as above, except ratio between fine-grained and
coarse-grained about half and half.
- 30-40 Quartz Schist — medium-gray, medium-grained (1.0-1.5
mm), quartz, muscovite, biotite, minor pyrite.
- 40-50 As above.
- 50-60 As above — with some biotite rich areas.
- 60-70 As above — with larger quartz grains concentrated in certain
layers.
- 70-80 As above — fewer larger quartz grains.
- 80-90 Metamorphosed Arkose — medium-gray, medium- to fine-
grained, (up to 0.75 mm), quartz, feldspar, muscovite, biotite.
- 90-100 As above — with larger quartz (up to 3.0 mm), some biotite
rich layers, minor pyrite.
- 100-110 As above — no pyrite.
- 110-120 Metamorphosed Arkose — light-medium-gray, medium-grained,
quartz, muscovite, feldspar, biotite, minor pyrite; some
material much finer-grained; calcite and pyrite vein.
- 120-130 As above — no fine-grained material, calcite, or pyrite; more
biotite.
- 130-135 As above — a few quartz grains to 3 mm, minor calcite.

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GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
0-23	No sample	
23-135	Lynchburg Formation	Precambrian

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
October 16, 1964