

OWNER: Mobile City Trailer Court
DRILLER: C. R. Moore
COUNTY: Albemarle (Charlottesville)

VDMR #1463
WWCR #975
TOTAL DEPTH: 380'

GEOLOGIC LOG

- 0-260 No sample.
- 260-270 Porphyroblastic Gneiss — light-gray and black, large (to 15 mm) porphyroblasts of potash and plagioclase feldspars in a cataclastic matrix of biotite and crushed quartz and feldspar, much of the feldspar has been epidotized; occasionally blebs of smoky quartz occur within the porphyroblasts, and irregular masses of blue quartz in the matrix; minor pyrite and pyrrhotite; trace garnet.
- 270-280 Sheared Gneiss — pale-yellow-green-gray, massive, fine-grained, cataclastic texture with some lineation of biotite and quartz; quartz, feldspar, biotite, epidote and minor pyrite; the feldspar is heavily saussuritized; minor porphyroblastic gneiss as above.
- 280-290 Gneiss — medium-gray to light-gray, sparse porphyroblasts of feldspar in a matrix of abundant biotite with feldspar, quartz, epidote and trace of pyrite; trace of greenish sheared gneiss as above.
- 290-300 Porphyroblastic Gneiss — very-light-gray and black, large (to 15 mm) porphyroblasts of feldspar in a cataclastic matrix of biotite, quartz, feldspar and sericite; minor saussuritization; blebs of smoky quartz within the feldspar porphyroblasts; minor blue quartz in matrix; minor pyrite; many of the porphyroblasts are fractured and recemented with sericite or saussurite indicating shearing after crystallization.
- 300-310 As above — less feldspar and quartz in matrix, less evidence of shearing.
- 310-320 As above.
- 320-330 As above.
- 330-340 As above — with augen of a cataclastic mixture of feldspar and quartz, minor saussuritization.
- 340-350 As above.
- 350-360 As above.
- 360-370 As above.
- 370-380 As above.

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GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
0-260	No sample	
260-380	Lovingston Gneiss	Precambrian

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
January 31, 1966