

OWNER: Town of Stanardsville, Well #5
DRILLER: C. R. Moore
COUNTY: Greene (Stanardsville)

VDMR #1464
WWCR #23
TOTAL DEPTH: 135'

GEOLOGIC LOG

- 0-20 No sample.
- 20 Flaser Gneiss — medium-greenish-gray, slight foliation; rounded, lens shaped, smeared out and irregular, augen of perthitic feldspar and quartz; (0.5 to 4 mm), in a matrix of finely crushed quartz and feldspar, sericite, chlorite, biotite with minor apatite, ilmenite, garnet, and traces of zircon, pyrrhotite and pyrite; rock heavily saussuritized and appears massive, a small portion of the quartz is blue.
- 30 As above — with one fragment coarse-grained, greenish-white gneiss containing porphyroblasts (to 10 mm) of intergrown potash and sodic feldspar in a cataclastic matrix of quartz, feldspar chloritized biotite and sericite with a trace of ilmenite.
- 40 As above — no porphyroblastic gneiss, minor slickensides.
- 50 As above.
- 60 As above — no slickensides.
- 70 As above.
- 80 As above.
- 90 As above — more chlorite, pyrite and blue quartz; less ilmenite.
- 100 As above — recent fractures coated with very dark chlorite; occasional badly fractured porphyroblasts up to 15 mm.
- 110 As above — veinlet of yellow green epidote; vein quartz.
- 120 As above — no epidote; minor slickensides; minor stringers of mylonite.
- 130 As above — more sericite; this sample was finely ground by the drill and no slickensides were observed.
- 130-135 No sample.

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GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
0-20	No sample	
20-130	Sheared zone in Lovington Gneiss	Uncertain
130-135	No sample	

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
February 1, 1966