



OWNER: Hubert Mallory  
DRILLER: Farmville Well Drilling Co.  
COUNTY: Buckingham (New Canton)

VDMR #1451  
WWCR #122  
TOTAL DEPTH: 102'

GEOLOGIC LOG

- 0-48 No sample.
- 48-62 Phyllite — medium-light-gray, well foliated average grain size 0.1 mm, poikilitic porphyroblasts of siderite (2-3 mm diameter) in a matrix of sericite, chlorite, quartz, biotite, and minor pyrite and pyrrhotite; minor orange-brown vein quartz.
- 62-82 As above — excellent foliation and lineation, foliation is slightly corrugated; no vein quartz.
- 82-102 As above. — crystals of siderite over 5 mm, more pyrite and pyrrhotite, minor white vein quartz; minor dark-greenish-gray gabbro, grain size: 0.5 to 4 mm, ophitic in part; laboradorite-bytownite, pyroxene; minor chlorite, calcite and opaques.

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
0-48	No sample	
48-102	Arvonian Formation with Gabbro intrusives at 82-102'	Ordovician probably Triassic

Virginia Division of Mineral Resources  
Hollis N. Walker, Geologist  
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