



OWNER: Klopman Mills, Inc.  
(Staunton River Finishing Co., Well #2)  
DRILLER: Heater Well Company  
COUNTY: Pittsylvania (Hurt)

VDMR #1299  
WWCR #201  
TOTAL DEPTH: 250'

GEOLOGIC LOG

- 0-10 Mica Schist (Weathered) — light-brown, shiny, foliated, medium-grained; biotite, muscovite, quartz, magnetite, iron stain.
- 10-20 As above.
- 20-30 As above.
- 30-40 As above — more quartz, minor feldspar and epidote.
- 40-50 As above — more epidote and biotite.
- 50-60 As above.
- 60-70 Epidote-Mica Schist — medium-gray, medium- to coarse-grained, foliated; muscovite, biotite, epidote, oligoclase, quartz, magnetite, minor tourmaline; vein quartz; iron stain; porous; grain-mount verification.
- 70-80 As above — epidote veins.
- 80-90 As above — less epidote and quartz.
- 90-100 As above.
- 100-110 Mica-Epidote Schist — medium-dark-gray, shiny, foliated; medium-coarse-grained; biotite, muscovite, epidote, quartz, magnetite; minor hornblende, apatite, oligoclase; vein quartz; grain-mount verification.
- 110-120 Mica-Epidote Gneiss — medium-light-gray, shiny, good lineation; medium- to coarse-grained; muscovite, biotite, epidote, quartz, oligoclase, magnetite; minor pyrite, apatite, tourmaline and zircon; grain-mount verification; minor quartz vein.
- 120-130 As above — minor iron stain.
- 130-140 Mica Schist — medium-dark-gray, medium-coarse-grained, foliated; biotite, muscovite, quartz, plagioclase, epidote magnetite; minor pyrite; minor iron stain on fractures.
- 140-150 As above — more epidote.

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150-160 Biotite-Epidote Schist — medium-gray, medium-coarse-grained foliated; biotite, epidote, pyroxene, hornblende, muscovite, potash feldspar, calcite, quartz magnetite; minor apatite, albite, and zircon; grain-mount verification.

160-170 As above — more quartz and feldspar.

170-180 As above — more muscovite.

180-190 No sample.

190-200 Calcareous-Mica Schist — light-gray to medium-gray, medium- to coarse-grained; calcite, biotite, muscovite, quartz, epidote, pyroxene, potash feldspar; minor zircon, hornblende, magnetite; minor iron stain; grain-mount verification.

200-210 Calcite-Mica Schist — pale green-gray and white, medium- to coarse-grained; calcite, muscovite, quartz, biotite, epidote, pyroxene; minor hornblende, tremolite, magnetite

210-220 Mica Schist — medium-gray, coarse-grained, shiny, foliated; muscovite, biotite, quartz, feldspar, minor magnetite, garnet, staurolite, hornblende, tremolite; trace pyrite; minor iron stain; grain-mount verification.

220-230 As above — more iron stain.

230-240 Actinolite-tremolite Schist — brown and gray; medium-coarse-grained; tremolite, quartz, zoisite, albite, minor hornblende and tourmaline; iron stained and very porous; grain-mount verification; about one-third of sample is Mica Schist as above.

240-250 No sample.

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
0-240	Mt. Athos	Cambrian ?
240-250	No sample	

Virginia Division of Mineral Resources  
Hollis N. Walker, Geologist  
April 28, 1965