

OWNER: Fairystone State Park Well #4
DRILLER: C. R. Moore Drilling Co., Inc.
COUNTY: Patrick (Bassett)

VDMR: 1604
WWCR: 88
TOTAL DEPTH: 250'

GEOLOGIC LOG

Depth (feet)

0-5	Saprolite - red-brown, phaneritic, fine-grained; quartz, biotite and chlorite; iron-oxide stains
5-8	"
8-10	Biotite Schist - silver-black, phaneritic, fine-grained, phyllitic; biotite, quartz, chlorite and pyrite; some iron-oxide stains
10-20	"
20-30	"
30-40	" iron-oxide staining
40-50	" " some vein quartz
50-60	" " "
60-70	" " "
70-80	" " " and trace of amphiboles
80-90	Biotite-Chlorite Schist - silver-gray, phaneritic, very fine-grained, phyllitic; biotite, quartz, chlorite, amphiboles, and vein quartz
90-100	Biotite Schist - silver-black; phaneritic, fine-grained, phyllitic; biotite, quartz, chlorite, pyrite and vein quartz
100-110	"
110-120	Metaquartzite - very light-gray, phaneritic, very fine-grained; quartz, biotite, amphiboles, chlorite and pyrite
120-130	Amphibole-biotite Schist - dark green, phaneritic, fine-grained; amphiboles (actinolite and/or hornblende), quartz, biotite, feldspar, chlorite and pyrite
130-140	"

140-150	Amphibole-biotite Schist - dark green, phaneritic, fine-grained; amphiboles (actinolite and/or hornblende), quartz, biotite, feldspar, chlorite and pyrite
150-160	" more schistose; increased amount of feldspar
160-170	" "
170-180	" "
180-190	" "
190-200	Chlorite-talc Schist - light greenish-gray, phaneritic, fine-to medium-grained; chlorite, quartz, talc amphiboles, and biotite
200-210	" increased amount of amphiboles
210-220	"
220-230	"
230-240	"
240-250	"

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-8	Saprolite	.
0-250	Lynchburg Formation	Precambrian

Virginia Division of Mineral Resources
Robert G. Willson, Geologist
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