

OWNER: Pocahontas State Park, Well #9  
DRILLER: C. R. Moore Drilling Co., Inc.  
COUNTY: Chesterfield (Chesterfield C.H.)

VDMR: 1561  
WWCR: 164  
TOTAL DEPTH: 240'

### GEOLOGIC LOG

#### Depth (feet)

0-10	Saprolite - pinkish-brown, medium- to coarse-grained; orthoclase, quartz, mica, clay and plagioclase
10-20	"
20-30	"
30-40	"
40-50	" with increased amount of mica
50-60	Granite - pink, phaneritic, medium- to very coarse-grained, holocrystalline; orthoclase, quartz, biotite, hornblende and plagioclase
60-70	"
70-80	" with increased amount of mica
80-90	" "
90-100	"
100-110	"
110-120	Granite - dark-tan, phaneritic, medium- to coarse-grained, holocrystalline; orthoclase, plagioclase, quartz, hornblende and biotite
120-130	Granite - pink, phaneritic, medium- to coarse-grained, holocrystalline; orthoclase, quartz, biotite, plagioclase, and hornblende
130-140	"
140-150	" with some epidote; less mica
150-160	" "
160-170	" "
170-180	" no epidote; less mica

180-190	Granite - pink, phaneritic, medium- to coarse-grained, holocrystalline; orthoclase, quartz, biotite, hornblende and plagioclase: with 20% amphibolite - very dark-gray, medium- to fine-grained; amphiboles, minor quartz and feldspar
190-200	" with 60% amphibolite
200-210	" with 20% amphibolite
210-220	" with 5% amphibolite
220-230	" with 80% amphibolite; slight increase in quartz
230-240	" with 90% amphibolite; slight increase in quartz

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-50	Saprolite	
50-240	Petersburg Granite	Precambrian

Virginia Division of Mineral Resources  
Robert G. Willson, Geologist  
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