



OWNER: L. H. Lingerfelt  
DRILLER: Harvey J. Harper Pump & Well Co.  
COUNTY: Hanover (Ellerson)

VDMR: 2237  
WWCR: 93  
TOTAL DEPTH: 260'

GEOLOGIC LOG

Depth in  
feet

COLUMBIA GROUP AND CALVERT FORMATION (0-15')

0-15 Sand and clay — grayish-brown, sandy; abundant plant fragments; very fine- to coarse-grained, poorly sorted; traces of weathered feldspar and glauconite

CALVERT FORMATION (15-143')

15-115 Clay — blue-gray, sandy; sand is fine grained, very well-sorted; clear and greenish quartz, with abundant angular fragments of black (carbono-phosphatic ?) material, and a trace of glauconite

115-143 Clay — light-gray, pulverulent; trace of fine sand

PATUXENT FORMATION (143-154')

143-154 Sand — tan, trace of clay, 10% fine gravel; medium- to very-coarse grained, rather poorly-sorted; feldspathic; traces of muscovite and garnet

MATTAPONI FORMATION (154-165')

154-165 \* Sand — yellow-brown, clayey; fine- to very-fine grained, well-sorted; quartz, with 5% dark-green glauconite and very abundant muscovite

PATUXENT FORMATION (165-188')

165-188 Sand — pale yellowish-brown, clayey; fine- to very-coarse grained, very poorly-sorted; quartz, small amount of yellowish feldspar, and abundant muscovite

PETERSBURG GRANITE (188-260')

188-225 Granite — gray; quartz, feldspar, and subequal amounts of muscovite and biotite

225-260 " very little biotite

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#2237

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-15'	Columbia Group and Calvert Formation	Pleistocene and Middle Miocene
15-143'	Calvert Formation	Middle Miocene
143-154'	Patuxent Formation	Early Cretaceous
* 154-165'	Mattaponi Formation	Paleocene
165-188'	Patuxent Formation	Early Cretaceous
188-260'	Petersburg Granite	Paleozoic (?)

\* Depth interval recorded for collection of this sample is in error as Mattaponi Formation post-dates the Patuxent Formation

Virginia Division of Mineral Resources  
Robert H. Teifke, Geologist  
October 3, 1968

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188-260'	Petersburg Granite	Paleozoic (?)

*only useful  
bit of data  
here —*

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