



OWNER: U. S. Corps of Engineers  
(North Bend Well #2)  
DRILLER: C. C. Powell & Sons, Inc.  
COUNTY: Mecklenberg

VDMR: 1932  
WWCR: 69  
TOTAL DEPTH: 300

GEOLOGIC LOG

Depth in feet

0-10	Overburden - pale, reddish-orange soil and granitoid saprolite; iron-stained, decomposed granodiorite and granodioritic gneiss; decomposed kaolinitic feldspar (all clay), muscovite (1-5 mm) and quartz (1-5 mm).
10-20	Overburden - moderately yellowish-brown granitoid saprolite, with decomposed (bronze-colored) biotite; muscovite; decomposed feldspar (white clay) and some fresh feldspar; iron-stained (pale-orange) quartz
20-30	"
30-40	"
40-50	"
50-60	"
60-70	"
70-80	"
80-90	"
90-100	Porphyroblastic Biotite-Granodioritic -Gneiss - gray, fine-grained, with variable biotite (5-25%) and pinkish-orange potassium-rich porphyroblasts with microcline (at least 10 mm), plagioclase, (feldspar ratio about 1:1), and quartz; the biotite-gneiss phase contains muscovite with a biotite/muscovite ratio of about 2:1; trace of chalcopyrite
100-110	" no chalcopyrite
110-120	" "
120-130	" "
130-140	" "
140-150	" "
150-160	" "

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#1932

160-170 Porphyroblastic Biotite-Granodioritic-Gneiss - gray, fine-grained, with variable biotite (5-25%) and pinkish-orange potassium-rich porphyroblasts with microcline (at least 10 mm), plagioclase, (feldspar ratio about 1:1), and quartz; the biotite-gneiss phase contains muscovite with a biotite/muscovite ratio of about 2:1

170-180 "

180-190 "

190-200 "

200-210 "

210-220 "

220-300 No samples

GEOLOGIC SUMMARY

<u>Rock Unit</u>	<u>Age</u>
0-90 Overburden	
90-220 Red Oak Granite: porphyroblastic biotite-muscovite granodiorite	Mississippian
220-300 No Samples	

Virginia Division of Mineral Resources  
Richard S. Good, Geologist  
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