

OWNER: Shenandoah National Park (Headquarters #1)  
DRILLER: Sydnor Pump & Well Co.  
COUNTY: Page (Luray)

VDMR # 851  
WWCR # 72  
TOTAL DEPTH : 280 feet

GEOLOGIC LOG

0-2	Overburden - red clay and weathered quartzite fragments
2-5	Overburden - red clay, weathered quartzite and basalt fragments
5-10	As above
10-11	As above
11-15	Overburden - red clay, weathered quartzite and basalt fragments, trace of asbestos
15-20	As above
20-25	Basalt - dark gray to dark green, hard, dense, (top of bedrock in this interval)
25-30	Basalt - dark gray to dark green, hard, dense, some quartz and epidote
30-35	Basalt - dark gray to dark green, hard, dense, some quartz, epidote, and asbestos
35-40	As above
40-45	As above
45-50	As above
50-55	Basalt - dark gray to dark green, hard, dense, trace of grayish-green soft phyllite
55-60	As above
60-65	As above
65-70	As above
70-75	As above
75-80	Basalt - dark gray to dark green, hard, dense, traces of quartz, asbestos, and grayish-green phyllite
80-85	As above
85-90	As above

90-95 Basalt - dark gray to dark green, hard, dense, traces of quartz, and grayish-green phyllite

95-100 As above

100-105 As above

105-110 As above

110-115 Basalt - dark gray to dark green, hard, dense, trace of epidote

115-120 As above

120-125 As above

125-130 Basalt - dark gray to dark green, hard, dense, small amounts of quartz and red jasper

130-135 Basalt - dark gray to dark green, hard, dense, some quartz, trace of light-gray phyllite

135-140 Basalt - dark gray to dark green, hard, dense, trace of red jasper and light-gray phyllite

140-145 Basalt - dark gray, considerable epidote, some quartz, trace of asbestos and light-gray phyllite

145-150 As above

150-155 Basalt - dark gray to dark green, hard, dense, some epidote and quartz

155-160 As above

160-165 As above

165-170 As above

170-175 As above

175-180 Basalt - dark gray to dark green, hard, dense, small amounts of epidote, quartz, and light-gray phyllite

180-185 As above

185-190 As above

190-195 As above

195-200	Basalt - dark gray to dark green, hard, dense, considerable calcite fragments
200-205	As above
205-210	As above
210-215	Basalt - dark gray to dark green, hard, dense
215-220	As above
220-225	As above
225-230	As above
230-235	As above
235-240	As above
240-245	As above
245-250	As above
250-255	Basalt - dark gray to dark green, hard, dense, some quartz and light-green phyllite, traces of asbestos, red jasper and epidote
255-260	Basalt - dark gray to dark green, hard, dense, trace of epidote and red jasper
260-265	As above
265-270	Basalt - dark gray to dark green, some epidote and quartz, trace of iron pyrite
270-275	As above
275-280	As above
280	As above

GEOLOGIC SUMMARY

<u>AGE</u>	<u>ROCK UNIT</u>
Precambrian	Catoctin formation

Virginia Division of Mineral Resources  
Laurence H. Gardner II - Geologist  
June 28, 1963