

Owner: Shenandoah National Park (Mathew's Arm No. 2)
Driller: Sydnor Pump & Well Co.
County: Page (Overall)

VDMR #856
WWCR #75
Total Depth: 200 feet

GEOLOGIC LOG

0 - 5	Overburden - red to tan clay and silt, weathered basalt fragments.
5 - 10	As above
10 - 15	As above
15 - 20	As above
20 - 25	Overburden - red to tan clay and silt, quartz and weathered basalt fragments.
25 - 30	As above
30 - 35	As above
35 - 40	As above
40 - 45	As above
45 - 50	As above
50 - 55	Basalt - grayish-green, hard, dense, some epidote and quartz, trace of soft chloritic phyllite. (top of bedrock in this interval)
55 - 60	As above
60 - 65	Basalt - grayish-green, hard, dense, trace of feldspar.
65 - 70	Basalt - grayish-green, hard, dense, trace of feldspar, some epidote.
70 - 75	Basalt - grayish-green, hard, dense, considerable epidote, traces of feldspar, quartz, pyrite, and asbestos.
75 - 80	As above
80 - 85	Basalt - green, highly epidotized, trace of pyrite.
85 - 90	Basalt - grayish-green, hard, dense.
90 - 95	As above
95 - 100	As above
100 - 105	As above
105 - 110	Basalt - grayish-green, hard, dense, traces of epidote and soft white clay.

110 - 115	As above
115 - 120	As above
120 - 125	Basalt - grayish-green, hard, dense, with epidote.
125 - 130	As above
130 - 135	As above
135 - 140	As above
140 - 145	As above
145 - 150	Basalt - grayish-green, hard, dense, considerable epidote.
150 - 155	As above
155 - 160	As above
160 - 165	Basalt - grayish-green, hard, dense, with epidote, quartz, and trace of feldspar.
165 - 170	As above
170 - 175	As above
175 - 180	As above
180 - 185	As above
185 - 190	As above
190 - 195	Basalt - grayish-green, hard, dense, some quartz, epidote, feldspar, traces of asbestos and calcite.
195 - 200	As above

GEOLOGIC LOG

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

Division of Mineral Resources
Laurence H. Gardner II, Geologist
July 3, 1963