

OWNER: Shenandoah National Park (Dickey Ridge No.2) VDMR # 864
DRILLER: Sydnor Pump & Well Co. WWCR # 53
COUNTY: Warren (Front Royal) TOTAL DEPTH : 250 feet

GEOLOGIC LOG

0-5 Overburden - weathered and unweathered brown
basalt fragments, some quartz,
epidote, and calcite

5-10 Overburden - weathered and unweathered basalt
fragments with considerable epidote,
traces of quartz

10-15 As above

15-20 Basalt - gray, hard, dense, veins of epidote
and quartz (top of bedrock in this
interval)

20-25 As above

25-30 Basalt - gray, hard, dense, some epidote,
traces of tan silty clay

30-35 Basalt - gray to grayish purple, hard, dense,
some epidote and quartz veins

35-40 Basalt - gray, hard, dense

42 Basalt - gray, hard, dense, traces of quartz,
considerable calcite fragments

45-50 Basalt - gray to grayish purple, small quartz
amygdales, epidote, quartz, and
traces of calcite veins

50-55 Basalt - gray, hard, dense, traces of calcite,
epidote, and quartz

55-60 Basalt - gray to red, hard, dense

60-65 As above

65-70 Basalt - gray, hard, dense, some weathered
brown fragments

70-75 As above

75-80 Basalt - grayish green, hard, dense, traces of
epidote and quartz

80-85	Basalt - grayish green, gray and red, hard, dense, traces epidote, calcite, & quartz
85-90	As above
90-95	As above
95-100	As above
100-105	Basalt - grayish purple to gray, hard, dense, increase in amount of epidote and quartz, decrease in amount of calcite
105-110	Basalt - gray, hard, dense, decrease in amount of epidote and quartz
114	Basalt - gray, hard, dense, some brown weathered fragments
120	Basalt - gray, hard, dense, traces of quartz and epidote
125	As above
130	Basalt - gray, hard, dense, increase in amount of epidote, trace of calcite
135	As above
140	As above
145	Basalt - gray, hard, dense, trace of calcite seams
150	Basalt - gray to red, hard, dense, trace of epidote and quartz
155	As above
160	Basalt - gray, hard, dense, trace of epidote, quartz, and calcite seams
165	As above
166	Basalt - gray to red, hard, dense, trace of epidote
170	As above

175	Basalt - gray, hard, dense, considerable epidote, traces of quartz and calcite
180	Epidote - primarily epidote and quartz
185	Basalt - gray, hard, dense, with considerable epidote
185-190	Basalt - gray, hard, dense, decrease in amount of epidote
190-195	As above
195-200	As above
200-205	Basalt - gray, hard, dense, trace quartz and calcite, decrease in amount of epidote
205-210	As above
210-215	As above
215-220	Basalt - gray, hard, dense
220-225	As above
225-230	Epidote - primarily epidote and quartz
230-235	As above
235-240	Basalt - gray, hard, dense
240-245	As above
245-250	As above

GEOLOGIC SUMMARY

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

Division of Mineral Resources
Lawrence H. Gardner II- Geologist
August 1, 1963

INTERVAL SHEET

WWCR 53

Page 1

VDMR Well No.: 864

Date 7-22-63

Sample Interval: from 0 to 250

PROP: Nat. Park Service
(Dickey Ridge #2)

Total depth 250

COMP: Sydnor

Oil Gas Water Exploratory

COUNTY: Warren

Cuttings Core Other

VDMR Well No: W-864

Washed samples-only

From-To	From-To	From-To	From-To	From-To
-	-	0 5	150 -	-
-	-	5 10	155 -	-
-	-	10 15	160 -	-
-	-	15 20	165 -	-
-	-	20 25	166 -	-
-	-	25 30	170 -	-
-	-	30 35	175 -	-
-	-	35 40	180 -	-
-	-	42 > 42 45	185 -	-
-	-	45 50	185 -190	-
-	-	50 55	190 -195	-
-	-	55 60	195 -200	-
-	-	60 65	200 -205	-
-	-	65 70	205 -210	-
-	-	70 75	210 -215	-
-	-	75 80	215 -220	-
-	-	80 85	220 -225	-
-	-	85 90	225 -230	-
-	-	90 95	230 -235	-
-	-	95 100	235 -240	-
-	-	100 105	240 -245	-
-	-	105 110	245 -250	-
-	-	114 -	-	-
-	-	120 -	-	-
-	-	125 -	-	-
-	-	130 -	-	-
-	-	135 -	-	-
-	-	140 -	-	-
-	-	145 -	-	-
-	-	-	-	-