

INTERVAL SHEET

WWCR: 49

Page 1 of 1

VDMR Well No: 2166

Date rec'd: 4/8/68

Sample Interval: from 0 to: 245'

PROP: USDA, National Forest Service
(Grindstone Creek Area, Well #1)

Number of samples: 25

COMP: Frank W. Martin Drilling Co.

Total Depth: 245'

COUNTY: Smyth (Marion)

Oil or Gas: Water:X Exploratory:

From-To	From-To	From-To	From-To
0 - 10	-	-	-
10 - 20	-	-	-
20 - 30	-	-	-
30 - 40	-	-	-
40 - 50	-	-	-
50 - 60	-	-	-
60 - 70	-	-	-
70 - 80	-	-	-
80 - 90	-	-	-
90 - 100	-	-	-
100 - 110	-	-	-
110 - 120	-	-	-
120 - 130	-	-	-
130 - 140	-	-	-
140 - 150	-	-	-
150 - 160	-	-	-
160 - 170	-	-	-
170 - 180	-	-	-
180 - 190	-	-	-
190 - 200	-	-	-
200 - 210	-	-	-
210 - 220	-	-	-
220 - 230	-	-	-
230 - 240	-	-	-
240 - 245	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

All intervals have both washed and unwashed samples

OWNER: USDA, National Forest Service
(Grindstone Creek Area, Well #1)
DRILLER: Frank W. Martin Drilling Co., Inc.
COUNTY: Smyth (Marion)

VDMR: 2166
WWCR: 49
TOTAL DEPTH: 245'

GEOLOGIC LOG

<u>Depth in feet</u>	
0-10	Saprolite — violet-tan, partially weathered and slightly iron-oxide stained; dacite and clay
10-20	"
20-30	Dacite — violet-purple, cryptocrystalline to microcrystalline (X-ray analysis: in order of decreasing abundance; plagiocase, quartz, and microcline)
30-40	"
40-50	"
50-60	"
60-70	"
70-80	"
80-90	"
90-100	"
100-110	"
110-120	"
120-130	"
130-140	"
140-150	"
150-160	"
160-170	" with a few iron-oxide-stained fragments
170-180	"
180-190	"
190-200	"
200-210	"

OWNER: USDA, National Forest Service
(Grindstone Creek Area, Well #1)

#2166

210-220 Dacite — violet-purple, cryptocrystalline to microcrystalline
 (X-ray analysis: in order of decreasing abundance;
 plagioclase, quartz, and microcline)

220-230 "

230-240 "

240-245 "

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>AGE</u>
0-20'	Saprolite	
20-245'	Mount Rodgers Volcanic Group	Late Precambrian (?)

Virginia Division of Mineral Resources
Robert G. Willson, Geologist
April 9, 1968