

OWNER: Rainbow Forest #3
DRILLER: Falwell Well Corporation
COUNTY: Botetourt

VDMR #1124
WWCR #72
TOTAL DEPTH: 140'

GEOLOGIC LOG

Overburden (0-90')

0-10	Sandstone - weathered zone, tan to red, fine to coarse grain, friable, calcareous cement, grains, subangular to subrounded, quartz pebbles, possible apatite.
10-20	As above.
20-30	As above - some angular quartz.
30-40	As above.
40-50	As above.
50-60	As above.
60-70	As above - several pieces of gray dolomite.
70-80	As above - black chert.
80-90	Sandstone - as above, and several pieces of quartz, biotite, granite, or gneiss, material still weathered.

Elbrook Formation (90-140')

90-100	Sandstone - tan, fine grain, subangular, calcareous cement, vugs, and open spaces, some calcite crystals in several vugs.
100-110	As above - good fracture zone.
110-120	As above.
120-130	As above - increase in vein calcite.
130-140	Sandstone - as above, also gray dolomite, which has fracture zone, some of the fractures have been filled with calcite crystals.

OWNER: Rainbow Forest #3 (Continued)

#1124

GEOLOGIC SUMMARY

	<u>FORMATION</u>	<u>AGE</u>
0-90	Overburden	Quaternary
90-140	Elbrook Formation	Cambrian

Virginia Division of Mineral Resources
Garnett Gatlin, Geologist
September 8, 1964