



OWNER: Mt. Sharon Subd. (Mack Fischer)

VDMR #1096

DRILLER: R. B. Brickey

WWCR # 420

COUNTY: Roanoke (Salem)

TOTAL DEPTH: 200'

### GEOLOGIC LOG

1-10	Overburden - pale yellowish brown, medium to coarse grained, subangular to rounded quartz grains, subangular to subrounded feldspar grains, clay.
10-20	Overburden - dark yellowish-orange, fine to coarse grained, subangular to rounded, quartz, feldspar, manganese wad, and clay.
20-30	As above
30-40	As above
40-50	Sandstone - grayish-orange, fine grained, quartz, carbonate cement (X-ray analysis: Quartz 55%, dolomite 45%) Top of bedrock in this interval.
50-60	As above
60-70	Dolomite - yellowish-gray, fine grained, saccharoidal texture.
70-80	As above (with some gray dolomite chips).
80-90	Dolomite (quartzose) - yellowish-gray, fine to medium grained, saccharoidal texture, dolomite, quartz, and minor chert.
90-100	As above
100-110	As above (with some small quartz crystals).
110-120	As above (with increasing quartz content - very well-rounded and polished quartz grains, also some clear dolomite cleavage pieces).
120-130	As above
130-140	Dolomite - gray, fine grained, saccharoidal texture.
140-150	As above (with minor quartz and dolomite crystals).
150-160	As above

OWNER: Mack Fischer - (Continued)

#1096

160-170 Dolomite - gray, fine grained, saccharoidal texture,  
170-180 Dolomite - dark gray, fine grained, saccharoidal texture,  
minor quartz chert, and clear dolomite crystals.  
180-190 Dolomite - light orange gray, fine grained, saccharoidal  
texture, minor quartz and chert (X-ray analysis: Calcite  
50%, dolomite 35%, Quartz 15%).  
190-200 As above

GEOLOGIC SUMMARY

ROCK UNIT

AGE

Shady formation

Cambrian

Virginia Division of Mineral Resources  
Villard S. Griffin, Jr., Geologist  
July 24, 1964