

OWNER: Spotswood County Club Well #4
(Lake Norwood)
DRILLER: Sydnor Pump and Well Co., Inc.
COUNTY: Rockingham (Harrisonburg)

VDMR # 1125
WWCR # 274
TOTAL DEPTH : 312

GEOLOGIC LOG

Overburden (2-14')

- 2-8 Overburden - reddish-brown and white sandstones and quartzites; light-to dark-gray cherts; fine-grained red-brown mudstones; some of the sandstones have rhomb shaped cavities.
- 8-14 Overburden - red-brown clay, medium-grained buff sand and sandstone, gray chert.

Beekmantown Formation (14-252')

- 14-16 Dolomite (Weathered) - light-gray to light-brown, fine-grained; vein dolomite, minor chert and quartz.
- 16-40 Dolomite - medium-dark gray, fine-grained, crystalline; minor vein dolomite; minor greenish-gray and buff sandy dolomite.
- 40-57 As above - no green or buff dolomite
- 57-82 As above - slightly coarser, minor oxidation
- 82-87 Dolomite (Brecciated) - medium-dark gray, medium-fine-grained, crystalline, recemented with dolomite veins; general iron staining; minor chert; minor dense buff argillaceous dolomite.
- 94 Dolomite - medium-gray and brownish-gray; medium-fine-grained, crystalline; dark-gray chert with minor sand and oolites; minor brecciation and dolomite veins.
- 94-98 No Sample
- 98-100 Dolomite - dark-gray, fine-grained crystalline; minor dolomite and calcite veins; minor black, very fine-grained, argillaceous dolomite with traces of pyrite.
- 100-116 No Sample
- 116-117 Dolomite - medium-gray, medium-fine grained, crystalline, stylolites; minor light-to light-medium brown, fine-grained crystalline dolomite with slickensides.
- 117-137 No Sample
- 137-142 Dolomite - light-to dark-gray, fine-to medium-grained, crystalline; minor vein dolomite.
- 142-147 No Sample

OWNER: Spotswood Country Club Well #4 (Lake Norwood)

#1125

147-162 Dolomite - light-to dark-gray, fine-to medium-grained, crystalline; minor vein dolomite, slight brownish tint.

162-177 Dolomite - dark-gray, medium-grained, crystalline; minor dolomite and calcite veins.

177-192 Dolomite - medium-gray, medium-to very-fine-grained, crystalline; minor dolomite veins.

192-207 Dolomite - light-gray and dark-gray, fine-grained, minor pyrite, vein dolomite; minor grayish-black argillaceous dolomite with minor pyrite.

207-217 No Sample

217-218 Dolomite - medium-light to medium-dark, fine-grained crystalline; and light-gray, very-fine-grained with slight iron stain; minor quartz and calcite veins, minor pyrite.

218-222 No Sample

222-237 Dolomite - medium-dark-gray, fine-grained crystalline, minor dolomite veins.

237-252 As above - slightly darker

252-312 No Sample

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
2-14	Overburden	Quaternary
14-252	Beekmantown Formation	Ordovician
252-312	No Sample	

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
January 8, 1965