

OWNER: W. K. Powers
DRILLER: Sydnor Pump & Well Co., Inc.
COUNTY: Augusta (Crimora)

VDMR #1277
WWCR #336
TOTAL DEPTH: 309'

GEOLOGIC LOG

0-69 Overburden — brown clay, silt and fine-sand; minor fragments of medium-dark-gray limestone and iron oxide concretions.

Elbrook or Concocheague Formation (69-219')

69-84 Limestone — light- to medium-dark gray, fine-grained, oolitic in part, trace medium-gray, medium-crystalline dolomite and yellow-brown siltstone.

84-99 Limestone — medium-gray, fine-grained.

99-114 Limestone — yellow-brown to medium-light-gray, mottled; fine-grained; minor fine-sand; minor vein calcite; brown color is an iron oxide stain.

114-129 minor pinkish-brown, finely crystalline, dolomitic-limestone.

129-144 Limestone — medium-gray, fine-grained; slightly siliceous; minor pale-orange to white, vein calcite; minor weathered limestone.

144-159 Limestone — medium-dark-gray, fine-grained, slightly siliceous and carbonaceous; trace pyrite; trace weathered material.

159-174 Limestone — medium-gray, fine-grained, minor white vein calcite.

174-189 Limestone — medium-gray, fine-grained.

189-204 Calcareous Dolomite — medium-dark-gray, medium-grained, minor white vein calcite, trace pyrite.

204-219 trace weathered material.

Elbrook Dolomite (219-309')

219-234 Dolomite — medium-dark-gray, fine-crystalline; trace vein calcite, pyrite and weathered material.

234-249 Dolomite — dark-gray, fine-crystalline; minor white veins of dolomite and calcite, occasionally euhedral grains.

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- 249-264 Dolomite — dark-gray, medium-fine-crystalline; trace white vein calcite; trace weathered material.
- 264-279 Calcareous Dolomite — dark-gray, fine-crystalline, trace vein calcite and carbonaceous partings.
- 279-294 No sample.
- 294-309 Calcareous Dolomite — dark-gray, fine-crystalline; trace vein calcite and carbonaceous partings.

GEOLOGIC SUMMARY

<u>ROCK UNIT</u>	<u>AGE</u>
0-69 Overburden	Recent
69-219 Elbrook or Conococheague Formation	Cambrian
219-309 Elbrook Dolomite	

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
February 15, 1966