

OWNER: William H. Borden
DRILLER: Sydnor Pump & Well Co., Inc.
COUNTY: Augusta (Staunton)

VDMR #939
WWCR #284
TOTAL DEPTH: 300'

GEOLOGIC LOG

- 0-9 Overburden — light-brown claystone with quartz fragments and euhedral quartz crystals.
- Elbrook Formation (9-300')
- 9-14 Dolomite — medium-gray, very-finely-crystalline, soft, clastic in part; abundant brown claystone.
- 14-35 As above — no claystone, slightly harder.
- 35-47 Dolomite — medium-gray, aphanogranular to medium-crystalline; minor shaly light-gray dolomite; vein calcite; minor iron oxide stain.
- 47-62 As above — abundant creamy, argillaceous dolomite.
- 62-70 No sample.
- 70-84 Calcareous Dolomite — medium-light-brownish-gray, very-finely-crystalline, darker lamina delineate the bedding; minor calcite veins, and iron oxide stains.
- 84-92 Dolomite — medium-light-gray, minor buff-colored; finely crystalline; vein calcite and minor iron oxide stains.
- 92-107 As above — slightly coarser; hematite stains.
- 107-122 Dolomite — medium-gray, fine- to coarsely-crystalline; minor buff-colored, argillaceous dolomite, vein calcite, limonite stain.
- 122-137 Dolomite — medium-gray, medium-crystalline; vein calcite; minor limonite stain.
- 137-152 As above.
- 152-167 As above.
- 167-182 Dolomite — medium-gray, medium-crystalline, abundant buff- to very-pale-green, argillaceous dolomite.
- 182-197 Dolomite — medium-gray, medium-crystalline, trace iron oxide stain.

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- 197-212 Dolomite — medium-gray, fine- to medium-crystalline; minor light-brownish-gray, argillaceous, fine-grained dolomite; minor vein calcite.
- 212-227 As above — more argillaceous dolomite.
- 227-242 Dolomite — medium-gray, medium-finely crystalline, minor coarsely crystalline patches; trace iron oxide stain.
- 242-257 As above — minor vein calcite and buff-colored, argillaceous dolomite.
- 257-272 As above — minor breccia recemented with sparry calcite.
- 272-287 As above — no breccia.
- 300 As above — no buff-colored argillaceous dolomite.

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
0-9	Overburden	Recent ?
9-300	Elbrook Dolomite	Cambrian

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
June 11, 1965