

OWNER: W. W. Arey and Son
DRILLER: Sydnor Pump and Well Co., Inc.
COUNTY: Augusta (Mt. Solon)

VDMR #1359
WWCR #340
TOTAL DEPTH: 181'

GEOLOGIC LOG

- 0-40 Residual Dolomite — light-gray-brown, very-fine- to medium-crystalline; light-blue-gray to medium-brown and black chert, euhedral quartz crystals, silica boxworks that once cemented dolomite rhombohedrons together; the coarser dolomite has a sandy texture as it is composed of loosely cemented rhombohedrons.
- 40-60 Dolomite — light-gray, medium- to very-coarse- dolomite rhombohedrons with siliceous, argillaceous and calcite cement; bedding shown by size grades of crystals.
- 60-75 Dolomite — light-gray, slightly brownish; very-fine-grained, argillaceous.
- 75-90 Argillaceous Dolomite — very-light-brown, very-fine-grained.
- 90-105 Dolomite — light-orange-brown and light-gray, very-fine-grained, argillaceous and cherty.
- 105-120 Dolomite — medium-light-gray, slightly brownish, very-fine-grained, argillaceous, abundant light-brownish-gray to medium blue-gray chert.
- 120-135 Dolomite — light-gray, slightly brownish, very-fine-grained to coarsely crystallized minor goethite and pyrolusite.
- 135-150 As above — less brownish, part of the coarsely crystalline dolomite is cemented with silica; minor empty silica boxworks.
- 150-166 Dolomite — light-gray, aphanogranular to very-coarsely-crystalline; minor quartz sand in aphanogranular material; chips of botryoidal goethite with pyrolusite.
- 166-181 Dolomite — light-gray, fine-grained to coarsely crystalline, cherty, minor sand, goethite with pyrolusite and ferruginous clay.

GEOLOGIC SUMMARY

ROCK UNIT

Beekmantown Formation

TIME ROCK UNIT

Ordovician

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
October 5, 1965