

OWNER: Mary Margaret Berry
DRILLER: Sydnor Pump and Well Co., Inc.
COUNTY: Augusta (Staunton)

VDMR #904
WWCR #277
TOTAL DEPTH: 288'

GEOLOGIC LOG

Overburden (10-25')

10 Overburden — pink-tan clay, minor silt; small limestone fragments, iron oxides.

25 As above — not as pink.

Elbrook Dolomite (30-275')

30 Dolomite — medium-dark- to medium-light-gray, finely crystalline; trace ferruginous claystone.

45 As above — slightly coarser (0.1 to 0.5 mm); with greenish mudstone.

60 Dolomite — light-gray, very-finely-crystalline, slightly fissile, argillaceous.

63 As above — more argillaceous and silty, minor dolomite veins.

75 Dolomite — light-gray, very-fine- to medium-crystalline; minor thin shaly layers, very minor siliceous layers with iron stain.

90 Argillaceous Dolomite — cream-colored, very-fine-grained, crystalline to dense.

105 Dolomite — medium-gray, crystalline, even-grained (0.1 - 0.3 mm).

120 Dolomite — light-gray, dense to medium crystalline, trace iron stained clay.

135 As above — slightly darker.

150 As above — finer; more iron stained clay.

165 Shale and Dolomite — tan, fine-grained, fissile shale; medium-gray, crystallized (0.1-0.5 mm) dolomite.

180 Dolomite — medium-dark-gray, crystallized (0.1-0.5 mm), very minor iron-stained clay.

195 As above — slightly lighter; very-finely crystallized.

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#904

- 210 Dolomite — light-gray, very-fine-grained, argillaceous.
- 225 Dolomite — medium-dark-gray, dense, fine-grained, argillaceous, slightly carbonaceous.
- 240 As above — less clay.
- 260 As above.
- 275 Dolomite, Limestone, Shale — medium-gray, light-gray and tan, respectively; fine-grained, dense, minor carbonaceous lamina in dolomite; trace pyrite in limestone.

Cave filling (278-283')

- 278-283 Cave filling — gray, angular, fine-grained dolomite; sub-rounded, yellow-brown to red-brown siltstone and shale; rounded and/or polished fragments gray and white chert and quartz.
- 283-288 No sample.

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
10-25	Overburden	Recent
30-275	Elbrook Dolomite	Cambrian
278-283	Cave filling	Recent ?
283-288	No sample	

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
May 7, 1965