



OWNER: Donald E. Keyhoe  
DRILLER: Sydnor Pump & Well Co., Inc.  
COUNTY: Page (Luray)

VDMR #921  
WWCR #76  
TOTAL DEPTH: 303'

### GEOLOGIC LOG

#### Alluvium (0-138')

- 0-25 Sand — yellowish-brown; very argillaceous; slightly indurated; very-fine-grained, well-sorted, angular to subangular; a subordinate amount of coarser sand is present and includes rounded quartz grains; highly decomposed, dull white K-feldspar, rounded grains of carbonaceous material, and a few pseudomorphs of goethite after pyrite; ferruginous; scattered plant remains.
- 25-50 As above.
- 50-65 As above.
- 65-80 As above — but with rare fragments of bluish-gray dolomite.
- 80-95 Clay — yellowish-brown and slightly variegated; sandy; poorly sorted subangular to rounded; quartz carbonaceous particles, and a small amount of highly decomposed feldspar; scattered fragments of bluish-gray to white dolomite; ferruginous; scattered plant remains.
- 95-110 Sand — yellowish-brown; argillaceous; very-fine-grained, well-sorted, angular to subangular; abundant fragments of grayish dolomite; trace of highly decomposed feldspar; ferruginous
- 110-125 Sand — yellowish-brown; very argillaceous; poorly sorted, subangular to rounded; grains of carbonaceous material, botryoidal iron oxide, and pseudomorphs of hematite after pyrite; trace of muscovite; abundant chips of gray to white dolomite and of gray, very-fine-grained, cherty limestone; ferruginous.
- 125-130 As above — but less argillaceous.

#### Conococheague Formation (138-300')

- 138 Limestone — gray; very-fine-grained; veins of white calcite very abundant
- 138-150 Limestone — dark-gray; fine-grained; some pyrite
- 165 As above.
- 180 Limestone — medium-gray; fine-grained; a few veins of white calcite.

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- 191 Limestone — buff; very-fine-grained; very pure; subconchoidal fracture.
- 198 Limestone and Siltstone — dark-gray, fine-grained limestone, and buff, very-fine-grained, very pure limestone with subconchoidal fracture; subordinate amount yellow, calcareous, fine-grained siltstone with dendrites.
- 206 As above — but with dark-gray, fine-grained limestone predominant.
- 213 Limestone and Siltstone — dark-gray, uniformly fine-grained limestone and yellow, calcareous, fine-grained siltstone.
- 228 As above — but with less siltstone and more vein calcite.
- 243 Limestone and Siltstone — dark-gray, uniformly fine-grained limestone predominant; subordinate yellow, calcareous, fine-grained siltstone.
- 258 As above.
- 270 As above.
- 285 As above.
- 300 As above.

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
0-138	Alluvium	Pleistocene
138-300	Conococheague Formation	Cambrian

Virginia Division of Mineral Resources  
Robert H. Teifke, Geologist  
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