

OWNER: E. L. Baker (Page Valley Honey Farm)
DRILLER: Sydnor Pump and Well Co., Inc.
COUNTY: Page (Luray)

VDMR #1458
WWCR #104
TOTAL DEPTH: 403'

GEOLOGIC LOG

- 0-45 No sample.
- Conococheague Formation (45-403')
- 45-58 Dolomite — medium-light-gray, fine-grained; scattered, coarse, rounded quartz sand.
- 58-73 Dolomite — light-gray, finely crystalline to fine-grained, minor medium-gray, medium-crystalline dolomite; trace iron oxide stain.
- 73-88 Dolomite — medium-gray to buff-colored, medium crystalline.
- 88-103 Dolomite — light- to medium-gray, fine-grained to finely crystalline, scattered rounded, coarse sand grains; a small portion of this sample is brecciated and recemented with dolomite.
- 103-118 Sandy Dolomite — medium-blue-gray, fine-grained with medium- to coarse-sand and granules throughout; occasionally sand is abundant enough to be a dolomitic sandstone; trace pyrite and vugs of quartz.
- 118-133 Dolomite — medium-blue-gray, finely crystalline, trace quartz sand and pyrite.
- 133-148 Dolomite — medium-blue-gray, finely crystalline with dark-gray chert; minor vugs of white coarsely crystalline dolomite.
- 148-163 Sandy Dolomite — light-gray, fine-grained, with scattered medium- to coarse, well-rounded quartz sand; occasionally sand sufficiently abundant to be dolomitic sandstone; minor white vein dolomite.
- 163-178 Dolomite — medium-blue-gray, finely crystalline; minor buff-colored, weathered dolomite.
- 178-193 As above — no buff-colored dolomite, trace vein calcite.
- 193-208 Dolomite — medium-blue-gray, medium-crystalline.
- 208-218 No sample.
- 218-223 Dolomite — medium-blue-gray, medium- to coarse crystalline; minor dark-gray chert; trace pyrite.

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- 223-238 Argillaceous Dolomite — medium-gray, fine-grained.
- 238-253 Dolomite — medium-gray, medium-crystalline, trace medium- to light-gray chert.
- 253-268 Dolomite — medium-blue-gray, fine-grained, trace vein dolomite and pyrite.
- 268-283 Dolomite — dove-gray to medium-gray, very finely crystalline; the dove-gray portion is very calcareous; minor vein dolomite quartz and calcite.
- 283-308 Dolomite and Chert — medium-gray, fine-grained; tan and medium-gray chert.
- 308-313 Dolomite — medium-gray and cream-colored, fine- to medium-crystalline; apparently a zone of brecciated gray dolomite recemented with abundant cream-colored calcareous dolomite; small (.5-2 mm) fragments of the gray dolomite occur in the less massive buff-colored material; in general the size of breccia fragments is larger than the size of the cutting.
- 313-328 Dolomite — medium-light-blue-gray, slightly stained with iron oxides; fine-grained.
- 328-343 As above — slightly darker.
- 343-358 Dolomite and Chert — light-blue-gray dolomite, finely crystalline; medium-gray chert; trace of aphanogranular dolomite with sparse fine grained sand.
- 358-373 Dolomite — medium-gray, medium- to fine-crystalline; minor medium- to dark-gray chert; trace of calcite veinlets.
- 373-388 Dolomite — medium-blue-gray, finely crystalline, trace chert.
- 388-403 Dolomite — medium-light-gray, very-fine to medium-coarse crystalline, trace pyrite, vein quartz and calcite.

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
0-45	No sample	
45-403	Conococheague Formation	Cambrian

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
January 31, 1966