

OWNER: Stuarts Draft Water Company
DRILLER: Sydnor Pump and Well Co., Inc.
COUNTY: Augusta

VDMR #941
WWCR #286
TOTAL DEPTH: 386'

GEOLOGIC LOG

Alluvium (6-335')

- 6-15 Sandstone — buff, medium-grained, angular quartzite sand; quartzite sandstone, clay cement.
- 15-115 Sandy Clay — light-brown, quartz grains up to 2 mm., minor shale fragments.
- 145 As above.
- 200 As above — slightly darker.
- 275 Clay — brown and purple variegated; shale and sandstone fragments.
- 290 As above — less clay more shale fragments.
- 305 Shale (weathered) — light-gray, fine-grained, bedded, clay, sericite and quartz.
- 320 As above — less weathered with light-brown silicious limestone.

Rome (335-385')

- 335 Calcareous Sandstone and Shale — very light-brown, coarse-grained sandstone, quartz, calcite and clay; shale - very light blue-gray, thin bedded shale.
- 350 Dolomite and Siltstone — 50% medium blue-gray, fine-grained dolomite; 50% white- to light-brown, silicified calcareous siltstone.
- 365 Shale, Sandstone, and Dolomite — very light-gray, fine-grained shale with clay and sericite; sandstone - white to buff, medium-grained, calcareous, porous, sandstone; dolomite - medium-gray, fine-grained dolomite; minor chert; calcite and quartz crystals in open cavities.
- 385 As above.
- 386 No sample.

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GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
6-335	Alluvium	Tertiary
335-385	Rome	Cambrian
386	No sample	

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
November 27, 1964