

OWNER: Dorothy C. Withers
DRILLER: Sydnor Pump and Well Co., Inc.
COUNTY: Augusta (Stokesville)

VDMR #1149
WWCR #319
TOTAL DEPTH: 335'

GEOLOGIC LOG

0-1 No sample.

Hampshire Formation (1-310')

- 1-15 Shale — full red, slightly silty, non-fissile; very small amount of vein carbonate.
- 15-30 As above.
- 30-45 As above.
- 45-80 As above.
- 80-106 As above — but with more vein carbonate (thicker seams).
- 106-134 Shale — medium-gray, moderately pronounced bedding.
- 134-148 Sandstone — dull red, very-fine- to fine-grained, ferruginous, slightly to moderately micaceous (mostly muscovite, but some biotite).
- 148-160 Shale — dull red, slightly silty, non-fissile; uniformly oriented mica is conspicuous on bedding surfaces.
- 160-170 No sample.
- 170-203 Mudstone — greenish-gray, blocky fracturing.
- 203-230 Sandstone and Shale — medium- to dark-gray, medium-grained, siliceous orthoquartzite with veins of white quartz and a trace of pyrite; subordinate amount of gray, non-fissile shale.
- 230-245 As above.
- 245-270 As above.
- 270-295 Shale and Sandstone — greenish-gray, slightly to moderately fissile shale; subordinate amount of white to gray, medium-grained, siliceous orthoquartzite.
- 295-310 Shale — dull red, slightly silty, non-fissile.
- 310-335 No samples.

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#1149

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
0-1	No sample	
1-310	Hampshire Formation	Devonian
310-335	No samples	

Refer: Young (Rockingham Co., Area 1)

Virginia Division of Mineral Resources
Robert H. Teifke, Geologist
March 19, 1965