

OWNER: Mrs. Mary Willey
DRILLER: Sydnor Pump and Well Co., Inc.
COUNTY: Augusta (Fort Defiance)

VDMR #1087
WWCR #300
TOTAL DEPTH: 176'

GEOLOGIC LOG

Martinsburg Shale (0-165')

0-15 Shale (weathered) — pale-brown clays, sericite, iron oxide stain.
15-30 As above.
30-45 As above — more weathered, very-soft.
45-60 Shale — medium- to medium-light-bluish-gray; fissile; clays, micas, trace gypsum.
60-75 Shale — medium-dark-gray; clay, sericite, quartz, chlorite, minor white vein calcite and dusty pyrite.
75-90 As above — fewer calcite veins, minor arkose.
90-105 Shale and Chloritic Arkose — medium-dark-gray, fissile shale; medium-dark-greenish-gray arkose; coarse angular fragments of quartz, feldspar, and shale in a chloritic matrix, bedding discernible; vein calcite.
105-120 As above — less shale, minor granule size quartz grains.
120-135 As above.
135-150 As above — more shale.
150-165 Shale — medium-dark-gray, slightly greenish, fissile, chloritic; minor calcite veins; minor arkose as above.
165-176 No sample.

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
0-165	Martinsburg Shale	Ordovician
165-176	No sample	

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
June 29, 1965