



OWNER: John O. Gardner  
DRILLER: Sydnor Pump and Well Co., Inc.  
COUNTY: Rockingham (Bridgewater)

VDMR #1037  
WWCR #480  
TOTAL DEPTH: 161'

GEOLOGIC LOG

Martinsburg Shale (0-150')

0-15	Shale — medium-dark-gray, very fissile; minor greenish, sericitic clay partings; minor white vein calcite.
15-30	Shale — medium-dark-bluish-gray, fissile, chloritic; white vein calcite.
30-45	As above — more fissile.
45-60	As above — minor areas of corrugated foliation.
60-75	As above — more vein calcite, more deformation of foliation.
75-90	Phyllite — medium-dark-blue-green-gray, fissile, foliation finely corrugated, chloritic, minor pyrite, and vein calcite.
90-105	As above — minor poorly developed slickensides.
105-120	As above.
120-135	As above — slightly less fissile.
135-150	Shale — dark-gray, slightly greenish; chloritic; very fissile; minor pyrite and vein calcite.
150-161	No sample.

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
0-150	Martinsburg Shale	Upper Ordovician
150-161	No sample	

Virginia Division of Mineral Resources  
Hollis N. Walker, Geologist  
June 25, 1965