

OWNER: Chesterfield County School Board
(Westlothian School)
DRILLER: Sydnor Pump and Well Co., Inc.
COUNTY: Chesterfield (Midlothian)

VDMR #1462
WWCR #160
TOTAL DEPTH: 207'

GEOLOGIC LOG

- 0-40 Residuum — pale-orange to white, sand and gravel, quartz (some of it blue), quartzite, minor feldspar and clay.
- 40-66 Siltstone — medium-light-gray, fissile, micaceous, soft, permeable, minor laminae of medium size angular sand, low quartz, arkose, minor carbonaceous partings.
- 66-80 No sample.
- 80-96 Siltstone — medium-light-gray, fissile, micaceous, soft, permeable, minor laminae of medium size angular sand, low quartz, arkose, minor carbonaceous partings, and carbonaceous plant fossils.
- 96-115 Arkose — very-pale-green-gray, medium grained angular to coarse grained rounded sand and rounded granules; porous; quartz, feldspar, and mica; some of the feldspar is completely altered to clay; clay cement; trace amount of sharp angular, fragments of pink biotite granite and quartzite; minor dark-gray carbonaceous fissile shale; siltstone as above.
- 115-150 Shale — medium gray to black, micaceous, soft, extremely fissile; minor pyrite; part of sample is very carbonaceous; minor siltstone as above.
- 150-165 Arkose — light-gray, rounded to angular coarse grained sand and granules; quartz, feldspar, clay, minor mica, trace light orange-brown, sandstone; rounded, medium-size-sand grains.
- 165-200 Shale — medium-greenish-gray to black and carbonaceous; soft, very fissile, partings of calcite, marcasite and coal; trace coarse grained angular, impermeable arkose.
- 200-207 No sample.

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
0-200	Vinita Sandstone and Shale (Newark Group)	Triassic
200-207	No sample	

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
January 26, 1966