

OWNER: Mae Dell and Yancey Pitts (Mrs. Mae Jones)
DRILLER: Sydnor Pump and Well Co., Inc.
COUNTY: Augusta (Christian)

VDMR #905
WWCR#278
TOTAL DEPTH: 183'

GEOLOGIC LOG

Overburden (15-25')

- 15 Overburden — medium-pinkish-brown; subangular sand (0.2-1.0 mm), clay, fragments of ferruginous sandstone, minor fragments of fine-grained, white, well-sorted sandstone.
- 20 Overburden — pale-orange, clay with sand and sandstone as above, very minor quartz crystals (to 2.0 mm).
- 25 Overburden — light-brown clay with sand and quartz as above, minor fragments gray shale.

Martinsburg Shale (40-183')

- 40 Shale and Claystone — medium-gray, fissile, soft, calcareous shale; pale-brown, very soft claystone; bedrock occurs in this interval.
- 50 Calcareous Shale — medium-light-gray, brownish, fine-grained, fissile, soft, rare fossils, minor veins calcite.
- 60 As above — no fossils observed.
- 75 As above — slightly bluish, trace pyrite.
- 90 As above — less vein calcite.
- 105 As above.
- 120 As above.
- 135 Calcareous Shale — medium-light-bluish-gray, very-fine-grained fissile, soft, minor calcite veins; trace pyrite.
- 150 As above.
- 165 As above — more vein calcite.
- 183 As above — less vein calcite.

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
15-25	Overburden	Recent
40-183	Martinsburg Shale	Upper Ordovician

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
May 10, 1965