

OWNER: State Convict Road Force Camp #19 - Well #4
DRILLER: Austin P. Whitaker
COUNTY: Scott (Pattonsville)

VDMR #1241
WWCR #3
TOTAL DEPTH: 125'

GEOLOGIC LOG

Helderberg Formation (10-30')

- 10 Overburden — light-brown, sand, medium-grained, subrounded; few fragments indurated sandstone.
- 20 Sandstone — light-gray streaked with medium-gray; medium- to fine-grained; calcareous, subangular.

Hancock Limestone (30-100')

- 30 Limestone — dark-gray-brown, finely crystalline to dense; minor oolites; few fossils; veins of coarse crystalline calcite of same color.
- 40 Dolomite — medium-gray, very-fine-grained; dense to very finely crystalized.
- 50 Limestone — dark-brownish-gray, very-fine-grained and dense, argillaceous; scattered calcite rhombohedrons.
- 60 As above.
- 70 As above — with stylolites.
- 80 Dolomite and Limestone — light-gray; dolomite: fine-grained, dense, minor pyrite, partially detrital with fragments up to 2 mm.; partings of carbonaceous shale; limestone: very dense and fine-grained, subconchoidal, slightly fossiliferous.
- 90 Dolomite— light and medium-gray, fine-grained, poorly developed bedding, minor shiny carbonaceous partings, stylolites.
- 100 Limestone — dark-brown-gray, dense subconchoidal.
- 100-125 No sample.

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
10-30	Helderberg Formation	Lower Devonian
30-100	Hancock Limestone	Upper Silurian
100-125	No sample	

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
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