

OWNER: State Convict Road Force Camp #19 - Well #3
DRILLER: Carpenter Drilling Company
COUNTY: Scott (Pattonsville)

VDMR #1260
WWCR #4
TOTAL DEPTH: 330'

GEOLOGIC LOG

- 0-90 No sample.
- Hancock Limestone (90-170')
- 90 Limestone — buff, arenite, argillaceous.
- 110 Limestone — medium-gray, very-finely crystalline, sparsely fossiliferous.
- 130 Limestone — dark-gray, finely crystalline, minor bed of sandstone, scattered quartz grains, minor shale; limestone sparsely fossiliferous.
- 150 Limestone and Dolomite — dark-gray to light-gray, lightly stained with orange-brown iron oxides, fine-grained, dense; limestone sparsely fossiliferous.
- Braillier Formation (170-330')
- 170 Shale — medium-gray, very fissile, ripple marks; minor pale-green and dark-red sandstones.
- 190 Sandstone — reddish-dark-gray, very-fine to fine sand, hematite cement, trace pyrite; minor gray shale.
- 210 Shale — medium-dark-gray, fissile.
- 230 Shale — medium-gray, greenish and purplish; very fissile; minor pale-green sandy beds.
- 250 As above — less purple.
- 265 As above.
- 290 As above.
- 310 As above.
- 330 As above.

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GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
0-90	No sample	
90-170	Hancock Limestone	Upper Silurian
170-330	Braillier Formation	Upper Devonian

The stratigraphic evidence for a fault between 150 and 170 feet levels is very definite but no other evidence was found. This may be due to the wide spacing of the samples.

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
February 19, 1964