

OWNER: Milton Johnson, Well #3
DRILLER: C. R. Moore Drilling Co.
COUNTY: Orange (Gordonsville)

VDMR: 1669
WWCR: 59
TOTAL DEPTH: 260'

GEOLOGIC LOG

Depth in feet

0-57 No samples.

LOUDOUN FORMATION (57-200')

57 Partially weathered light-gray phyllite.

57-60 Phyllite - light gray, moderately hard; with calcite fracture fillings.

60-70 Phyllite - light gray and light gray-green, moderately hard; with chlorite and mica on bedding planes, and calcite and minor quartz in fracture fillings.

70-80 "

80-90 "

90-100 "

100-110 "

110-120 "

120-130 "

130-140 "

140-150 "

150-160 "

160-170 "

170-180 "

180-190 " with rare pyrite.

190-195 Phyllite - very light green, soft, greasy feel (talc?); with very small veins of calcite, quartz and chlorite.

195-200 "

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CATOCTIN FORMATION (200-260')

- 200-210 Phyllite - light gray and light gray-green, moderately hard, greasy appearance; with calcite or dolomite on bedding planes; quartz and chlorite.
- 210-220 "
- 220-230 "
- 230-240 Phyllite and Schist - phyllite is light gray, moderately hard, lustrous; with calcite in fracture fillings: schist is medium gray, hard; composed of quartz, mica and chlorite, with calcite.
- 240-250 "
- 250-260 " with abundance of rock crystals and milky quartz.

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-57	No Samples	
57-200	Loudoun Formation (?)	Cambrian
200-260	Catoctin Formation (?)	Precambrian

NOTE: This well may be entirely in either the Loudoun Formation or the Catoctin Formation, or it may penetrate inter-tonguing strata of the two formations.

Virginia Division of Mineral Resources
Stanley S. Johnson, Geologist
August 18, 1966