

OWNER: W. O. Cooley - Well #2
DRILLER: Sydnor Pump and Well Co., Inc.
COUNTY: Rockingham (Harrisonburg)

VDMR #884
WWCR #517
TOTAL DEPTH: 190'

GEOLOGIC LOG

Lincolnshire Limestone (20-65')

- 20 Limestone — medium-gray and brown, finely-crystalline limestone with minor veins of calcite; brown limonitic clay with coarse sand and rounded nodules of magnetite; trace pyrite.
- 35 Limestone — light-gray, pinkish; very-fine-grained, soft, argillaceous; hematite stain; sparse bryozoans.
- 50 Limestone — medium-gray, pinkish; finely-crystalline with calcareous mud; detrital fragments of limestone in limestone; very minor veins of calcite with tiny pyrite crystals; trace magnetite; carbonaceous.
- 65 Limestone — medium-dark-gray, dense, minor fine veins calcite; carbonaceous.

New Market Limestone (80-190')

- 80 Limestone — dove-gray, dense, translucent; scattered "eyes" of calcite and minor veins; the "eyes" of calcite are probably fossils; very pure limestone, (spectrometric determination).
- 95 As above.
- 100 As above.
- 120 As above.
- 140 As above — slightly darker; slightly more magnesium (spectrometric determination).
- 180 As above — slightly lighter.
- 190 As above — fractures with iron stains and clay.

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
20-65	Lincolnshire Limestone	Ordovician
80-190	New Market Limestone	Ordovician

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
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