

OWNER: W. O. Cooley - Well #1
DRILLER: Sydnor Pump and Well Co., Inc.
COUNTY: Rockingham (Harrisonburg)

VDMR #880
WWCR #456
TOTAL DEPTH: 318'

GEOLOGIC LOG

0-20 No sample.

Lincolnshire Limestone (20-75')

- 20 Limestone — medium-gray, minor-pale-red; very-fine-grained; abundant dark-gray chert and creamy cherty limestone; slightly fossiliferous (bryozoa); trace pyrite.
- 30 Limestone — medium-dark-gray, very-fine-grained; minor vein calcite; moderate dark-gray-chert; dusty pyrite.
- 45 Limestone — medium-dark-gray; minor light-brown and pale-red; very-fine- to medium-crystalline; carbonaceous, dusty pyrite; pink cherty portions contain partially silicified bryozoa.
- 60 As above — less brown and pale-red.
- 75 As above — no brown or pale-red.

New Market Limestone (90-305')

- 90 Limestone — light-brownish-gray, aphanogranular, scattered coarse calcite crystals; minor dark-gray limestone.
- 105 As above — no dark-gray limestone.
- 120 As above.
- 135 As above.
- 150 As above — minor slightly darker fragments.
- 165 Limestone — medium-dark-gray, slightly brownish; aphanogranular; minor vein calcite.
- 180 Limestone — dove-gray, aphanogranular, abundant very small and very-finely-crystalline patches.
- 195 As above.
- 210 As above.
- 225 As above.
- 240 As above.

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#880

- 255 Limestone — medium-gray, aphanogranular, minor scattered coarsely-crystalline patches.
- 270 As above — uneven fracture (clastic?); trace pyrite.
- 285 Limestone — medium-light-gray, aphanogranular, trace of olive-brown sericitic clay.
- 305 Limestone — medium-gray, aphanogranular to fine-grained; uneven fracture; trace olive-brown clay.
- 305-318 No sample.

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
0-20	No sample	
20-75	Lincolnshire Limestone	Ordovician
90-305	New Market Limestone	Ordovician
305-318	No sample	

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