

OWNER: Coffman & Coffman - Well #4  
DRILLER: Sydnor Pump and Well Co., Inc.  
COUNTY: Rockingham (Harrisonburg)

VDMR #1397  
WWCR #528  
TOTAL DEPTH: 475'

### GEOLOGIC LOG

- 0-40            Overburden — orange-brown clay and medium-light-gray, aphanogranular limestone.
- New Market Limestone (40-150')
- 40-45            Limestone — medium-brownish-gray, aphanogranular with birds-eye texture of sparry calcite; a minor portion contains argillaceous material and trace pyrite; veins of calcite throughout sample.
- 45-60            As above.
- 60-75            As above — less sparry calcite.
- 75-90            Limestone — medium-gray, aphanogranular with birds-eye texture, minor orange stained clay.
- 90-105           Limestone — medium-gray, aphanogranular with birds-eye texture, translucent; veins of calcite.
- 105-120           As above — minor portion leached to light-gray with orange iron-oxide stains; light-gray portion is fossiliferous in part.
- 120-135           Limestone — medium-gray, aphanogranular with birds-eye texture, translucent; veins of sparry calcite; trace pyrite; minor slightly argillaceous, pyritiferous, clastic limestone with uneven texture.
- 135-150           Limestone — medium-light-gray, fine-grained, uneven texture, siliceous, argillaceous and clastic; trace pyrite; minor aphanogranular conchoidal, translucent, fossiliferous limestone; trace of orange to buff weathering stain.
- Beekmantown Formation (150-465')
- 150-165           Calcareous Dolomite — medium-light-gray, very-finely crystalline with black stylolites and thin sparry calcite veins; minor medium-dark-gray calcareous dolomite.
- 165-180           As above — less medium-dark-gray dolomite; traces of carbonaceous, dolomitic shale.
- 180-195           As above — no medium-dark-gray dolomite; traces of dolomitic limestone; medium-gray, medium-crystalline, with dusty pyrite.

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- 195-210 Limestone — dove-gray to medium-dark-gray; aphanogranular to finely crystalline; minor pyrite and carbonaceous shaly partings; trace medium-gray, medium crystalline dolomite.
- 210-225 As above — more dolomite, no carbonaceous material.
- 225-240 As above.
- 240-255 Limestone — medium-dark-gray, very-fine-grained; minor veins of calcite; trace pyrite.
- 255-270 Dolomite — medium-light-gray, very-fine-grained; minor veins of calcite, trace pyrite.
- 270-285 Dolomite — light-gray to medium-gray; coarsely-crystalline to finely-crystalline; traces of quartz and pyrite.
- 285-300 Dolomite — medium-light-gray, very-finely crystalline; minor veins of calcite, very-even-grained.
- 300-315 As above.
- 315-325 Dolomite — medium-gray, finely-crystalline; trace vein dolomite.
- 325-345 Dolomite — medium-light-gray, finely crystalline; traces vein calcite, pyrite, and carbonaceous material.
- 345-360 Dolomite — medium-light-gray, fine- to medium-crystalline; trace pyrite.
- 360-375 Dolomite — light-gray to medium-light-gray, very-finely crystalline; traces carbonaceous material and pyrite.
- 375-390 As above — darker in part.
- 390-405 Dolomite — medium-dark-gray, medium-crystalline; minor light-gray, clastic, calcareous dolomite.
- 405-420 Dolomite — medium-light-gray, finely crystalline; trace pyrite.
- 420-435 Dolomite — medium-dark-gray, very-finely-crystalline.
- 435-450 Dolomite — dark-gray, fine-grained, trace vein calcite and pyrite and quartz.
- 450-465 Dolomite — medium-dark-gray to medium-light-gray; very-fine to coarsely-crystalline; trace quartz and vein calcite.
- 465-475 No sample.

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GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
0-40	Overburden	
40-150	New Market Limestone	Ordovician
150-465	Beekmantown Formation	Ordovician
465-475	No sample	

Virginia Division of Mineral Resources  
Hollis N. Walker, Geologist  
November 4, 1965