



OWNER: Ark Poultry Farm (Noah Hughes)  
DRILLER: Sydnor Pump and Well Co., Inc.  
COUNTY: Rockingham (Timberville)

VDMR # 1126  
WWCR # 487  
TOTAL DEPTH : 383

GEOLOGIC LOG

Overburden (0-18')

0-18 Overburden - dark-brownish-red, fine-grained, silty-clay.

New Market (18-40')

18-40 Limestone - dove-gray to bluish-gray; dense, fine-grained.

Beekmantown Formation (40-350')

40-55 Limestone - bluish-gray, fine-to medium-grained, good permeability; calcite veins; minor black, silty, non-carbonaceous material.

55-70 Limestone - light-tan to light-gray, medium-to coarse-grained; silt filled fractures; sandy layers; vein calcite; secondary dolomite.

70-85 Limestone - light-to dark-gray, fine-grained; vein calcite; minor pyrite.

85-100 As above

100-115 As above - minor sandy layers.

115-130 As above

130-145 Limestone - bluish-gray; fine-to medium-grained; vein calcite; minor pyrite; good fracture surfaces.

145-160 As above

160-175 As above

175-235 No samples

235-250 Dolomite - light-gray, medium-grained; moderate permeability; minor pyrite.

250-265 Dolomite and Breccia - dolomite as above; breccia has angular fragments darker than accompanying dolomite, dolomite cement, one phase of brecciation.

265-280 Dolomite - light-gray, coarse-grained, high permeability.

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280-295 Dolomite - light-gray, coarse-grained, high permeability, except some fine-grained dolomite; minor vein calcite.  
295-310 As above - minor pyrite.  
310-325 No sample  
325-340 Dolomite - light-gray; fine-to coarse-grained.  
340-350 As above  
350-383 No samples

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>TIME ROCK UNIT</u>
0-18	Overburden	Quaternary
18-40	New Market	Ordovician
40-350	Beekmantown Formation	Ordovician
350-383	No Samples	

Virginia Division of Mineral Resources  
Garnett Gatlin - Geologist  
December 1, 1964