

OWNER: Sunnyside Subdivision (A. R. Bentch#2)
DRILLER: Sydnor Pump & Well Co., Inc.
COUNTY: Rockingham (Harrisonburg)

VDMR # 735
WWCR# 414
TOTAL DEPTH: 318

SAMPLE DESCRIPTION
(washed samples)

Mosheim limestone (0-110)

- 0-15 Limestone - light gray, hard, dense, fine grained, highly calcareous, heavy trace of calcite vein material and fine siltstone, trace of brown weathered limestone (Top of bedrock in this interval)
- 15-30 Limestone - light gray, hard, dense, fine grained, highly calcareous, 1% yellow fine grained sandstone and siltstone, trace of manganese oxide in form of dendrites on the sandstone and siltstone, slight trace of weathering (X-ray analysis: 90% limestone, 8% quartz)
- 30-45 Limestone - light gray, hard, dense, fine grained, highly calcareous, silty, trace of calcite vein material and weathered limestone
- 45-50 No sample
- 50-65 Limestone - light gray, hard, dense, very fine grained, highly calcareous, trace of calcite vein material and weathered limestone (X-ray analysis: 90% limestone, 8% quartz)
- 65-80 As above
- 80-95 Limestone - light gray, hard, dense, very fine grained, highly calcareous, heavy trace of calcite vein material, trace of pyrite
- 95-110 Limestone - light gray, hard, dense, fine grained, highly calcareous, trace of calcite vein material (X-ray analysis: 95% limestone, 4% quartz)

Beekmantown formation (110-315)

- 110-125 Limestone - light gray, hard, dense, fine grained, calcareous, trace of calcite vein material (X-ray analysis: 75% calcite, 15% dolomite, 8% quartz)

- 125-140 As above
- 140-155 Limestone - light gray, hard, dense, very fine grained, highly calcareous, trace of calcite vein material
- 155-170 Limestone - light gray, hard, dense, fine grained, highly calcareous, trace of calcite vein material, slight trace of weathered limestone (X-ray analysis: 70% limestone, 20% dolomite, 8% quartz)
- 170-185 Limestone - light gray, hard, dense, fine grained, highly calcareous, trace of calcite vein material, heavy trace of weathered limestone
- 185-200 Limestone - light gray, hard, dense, fine grained, highly calcareous, slight trace of weathered limestone
- 200-215 Limestone - light gray, hard, dense, fine grained, highly calcareous, trace of calcite vein material
- 215-230 Limestone - dark gray, hard, dense, fine grained, highly calcareous, trace of calcite vein material and weathered limestone
- 230-245 Limestone - light gray, hard, dense, fine grained, highly calcareous, trace of yellow, fine grained, calcareous, siltstone
- 245-260 Limestone - light gray, hard, dense, fine grained, highly calcareous, silty, trace of calcite vein material
- 260-275 Limestone and chert - gray to yellow, hard, dense, fine grained, highly oxidized
- 275-290 As above
- 290-305 Limestone - light gray, hard, dense, fine grained, highly calcareous, trace of calcite vein material and chert
- 305-315 Limestone - light gray, hard, dense, fine grained, highly calcareous, trace of highly weathered limestone

OWNER: Sunnyside Subdivision (A. R. Bentch) continued

#735

315-318

No sample

GEOLOGIC SUMMARY

<u>AGE</u>		<u>FORMATION OR UNIT</u>
0-110	Lower middle Ordovician	Mosheim limestone
110-318	Upper lower Ordovician	Beekmantown formation

Virginia Division of Mineral Resources
Merrick S. Whitfield - Geologist
November 13, 1962