

OWNER: Valley View Inn (Harry M. Tschudy)  
DRILLER: Sydnor Pump & Well Co.  
COUNTY: Bath (Warm Springs)

VDMR: # 713  
WWCR: # 17  
DEPTH: 716

SAMPLE EXAMINATION  
(washed samples)

0-5	Topsoil - orange, slightly calcareous clay and fine grained silt, trace of pea gravel
20	Subsoil - light gray, soft, argillaceous, slightly calcareous, silty, trace of gravel size subangular quartzose sandstone fragments
20-65	Top of bedrock in this interval
65	Limestone - dark gray, fine grained, hard, brittle, calcareous, argillaceous, slightly carbonaceous.
95	as above
110	Limestone - medium gray, fine grained, hard, highly calcareous, silty, slightly carbonaceous, 1% calcite vein material (X-ray analysis: 60% limestone, 25% quartz, 10% dolomite)
150	as above
183	as above
200	as above
228	as above
277	as above
288	as above
303	as above
318	as above
351	Limestone - medium gray, fine grained, hard, highly calcareous, silty, argillaceous, 1% calcite vein material, heavy trace of hard, yellow clay fragments
363	Limestone - medium gray, fine grained, hard, highly calcareous, silty, argillaceous, slightly carbonaceous, 1% calcite vein material
408	as above
423	as above

- 438 as above
- 468 as above
- 498 Limestone - medium gray, fine grained, hard, highly calcareous, slightly carbonaceous, 1% calcite vein material
- 565 Limestone - medium gray, fine grained, hard, highly calcareous, argillaceous, slightly carbonaceous, 3% calcite vein material, trace of pyrite and iron oxide
- 580 as above
- 610 as above
- 625 as above
- 685 Limestone - medium gray, fine grained, hard, highly calcareous, 5% calcite vein material, heavy trace of iron oxide
- 731 Limestone - medium gray, fine grained, hard, highly calcareous, 5% calcite vein material, heavy trace of iron oxide, trace of pyrite
- 745 Limestone - medium gray, fine grained, hard, highly calcareous, 3% calcite vein material, trace of iron oxide and pyrite
- 761 Limestone - medium gray, fine grained, hard, highly calcareous, 5% calcite vein material, heavy trace of iron oxide

## GEOLOGIC SUMMARY

<u>Age</u>	<u>Formation or Unit</u>
Ordovician	Lowville limestone

Virginia Division of Mineral Resources  
Merrick S. Whitfield, Geologist  
September 20, 1962