



OWNER: Shannon Water Co., Inc.  
DRILLER: Boyd R. DeHaven & Son  
COUNTY: Frederick (Winchester)

VDMR # 868  
WWCR # 293  
TOTAL DEPTH: 100'

GEOLOGIC LOG

- 1-10 Siltstone - extremely weathered, locally fine and sandy, light to medium gray, green, moderately hard, brittle, no apparent bedding to poorly fissile, siliceous, argillaceous with; rare biotite, rare muscovite, and abundant iron oxide stains.
- 10-20 Siltstone - shaly, medium gray, moderately soft, flaky, poorly fissile to fair fissility, argillaceous with; common muscovite, common carbonaceous material and abundant iron oxide stains.
- 20-30 Siltstone - locally shaly, light to medium gray, moderately soft, flaky, poor to fair fissility, slightly calcareous, argillaceous, with; common biotite, common muscovite, rare calcite and rare carbonaceous material.
- 30-40 Shale - medium gray, moderately soft, flaky, fair to good fissility, argillaceous, with; common muscovite and rare carbonaceous material.
- 40-50 Siltstone - locally shaly, light to medium gray, moderately hard, brittle, no apparent bedding to poorly fissile, locally very slightly calcareous, siliceous, argillaceous, with common biotite, common muscovite, abundant milky white and clear very coarse quartz.
- 50-60 Shale - silty, medium to dark gray, moderately soft, flaky, fair to good fissility, argillaceous, with; common muscovite and rare carbonaceous material, stringers of conglomeratic sandstone, clear to milky white, poorly cemented, medium to coarse grained, abundant granules, poorly sorted, subangular to rounded, siliceous, with; rare biotite and rare iron oxide stains, slightly porous.
- 60-70 Shale - silty, medium gray, moderately soft, flaky, poor to good fissility, argillaceous, with; common biotite, rare muscovite, abundant fragments of vein calcite, and rare carbonaceous material.

OWNER: Shannon Water Co., Inc. (continued)

#868

70-80	As above
80-90	As above
90-100	As above

GEOLOGIC SUMMARY

<u>AGE</u>	<u>ROCK UNIT</u>
Ordovician	Martinsburg formation

Virginia Division of Mineral Resources  
John M. Wilson - Geologist  
September 3, 1963