

OWNER: Joseph A. Smith
DRILLER: Sydnor Pump & Well Co.
COUNTY: Augusta (Staunton)

VDMR # 894
WWCR # 275
TOTAL DEPTH : 303'

GEOLOGIC LOG

- 25 Siltstone - calcareous, locally finely sandy, light to medium gray, moderately hard, brittle, no apparent bedding, calcareous and siliceous, rare calcite with; common iron oxide stains.
- 40 Limestone - siliceous, dolomitic and silty, light gray and light brown, hard, no apparent fossil content, no apparent bedding, cryptocrystalline, rare mica and rare calcite with; common iron oxide staining.
- 63 As above
- 75 Limestone - dolomitic and locally silty, light gray, hard, no apparent fossil content, no apparent bedding, microcrystalline and very fine-crystalline, common calcite with; common iron oxide staining.
- 90 As above
- 105 Limestone - siliceous, dolomitic and silty, light gray to light brown, hard, no apparent fossil content, no apparent bedding, cryptocrystalline, rare calcite with; abundant iron oxide staining.
- 120 Limestone - dolomitic, light to dark gray and light brown, hard, no apparent fossil content, no apparent bedding, very fine-crystalline, abundant calcite with; common iron oxide staining.
- 135 As above
- 150 As above
- 165 Dolomite - slightly siliceous, light gray to light brown, moderately hard, no apparent fossil content, no apparent bedding, microcrystalline with; common iron oxide staining, X-ray (85% dolomite, 15% quartz).
- 180 As above - silty
- 194 Dolomite - silty (slightly), light brown, hard, no apparent fossil content, no apparent bedding, cryptocrystalline, abundant calcite with; abundant iron oxide staining.

OWNER: Joseph A. Smith - (continued)

#894

- 210 Dolomite - slightly calcareous, light to dark gray, hard, no apparent fossil content, no apparent bedding, cryptocrystalline and microcrystalline, rare calcite with; abundant iron oxide staining and X-ray (dolomite 85%, calcite 10%, quartz 5%).
- 225 As above
- 245 Dolomite - silty, dark gray to light brown, hard, no apparent fossil content, no apparent bedding, cryptocrystalline to microcrystalline, common chert and common calcite with; common carbonaceous material and abundant iron oxide staining.
- 260 As above
- 275 As above
- 290 As above
- 309 As above

GEOLOGIC SUMMARY

AGE

Cambrian

ROCK UNIT

Elbrook formation

Virginia Division of Mineral Resources
John M. Wilson - Geologist
November 4, 1963