

OWNER: James L. Tatum
DRILLER: Sydnor Pump and Well Co., Inc.
COUNTY: Page (Luray)

VDMR #1398
WWCR #98
TOTAL DEPTH: 301'

GEOLOGIC LOG

Overburden (0-212')

- 0-25 Clay — pale-grayish-orange; minor medium sand and trace of sandstone fragments; dark-red-brown, fine-grained and light-yellow-gray; coarse-grained.
- 25-40 As above — with minor water-worn fragments of nearly white siltstone, and dark-red-gray basalt and granule size quartz sand.
- 40-55 As above.
- 55-70 As above.
- 70-86 Clay — pale-pink, with minor rounded fragments, granules to fine sand, quartz, basalt and saprolitic pink siltstone.
- 86-101 Clay — pale-orange with minor angular fragments of basalt, coarse grained sandstone, and vein quartz; rounded quartz granules and medium quartz sand.
- 101-116 As above.
- 116-131 As above.
- 131-135 No sample.
- 136-143 Gravel — light-gray to orange, dark-red-gray and dark-gray; coarser than the size of the cuttings (20 mm maximum); fragments are of extremely coarse angular quartzitic sandstone and conglomerate; minor medium- to fine-grained quartzites.
- 143-156 Clay — pale-orange-gray, minor coarse angular quartz sand.
- 156-171 As above — minor fragments of sandstone and quartzite.
- 171-186 As above — fewer lithic fragments.
- 186-201 As above — more sandstone and quartzite fragments, trace of basalt.
- 201-212 No sample.

Weverton Formation (212-301')

- 212-226 Quartzite — light-salmon-color, medium-sand massive and well indurated.

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226-241 Quartzite — light-salmon-color, medium-sand, porous, with brown iron oxide stain, minor portion of quartzite is very coarse-grained.

241-256 As above — less well indurated.

256-271 No sample.

271-286 Quartzite — light-pinkish-brown, medium-sand, well indurated, porous in part.

286-301 As above.

GEOLOGIC SUMMARY

| | <u>ROCK UNIT</u> | <u>TIME ROCK UNIT</u> |
|---------|--------------------|-----------------------|
| 0-212 | Overburden | Recent |
| 212-301 | Weverton Formation | Cambrian |

Virginia Division of Mineral Resources
Hollis N. Walker, Geologist
November 5, 1965