

OWNER: Confederate Investors, Inc. (N. C. Clements)
DRILLER: Mitchell's Well and Pump Company
COUNTY: Prince George (Petersburg)

VDMR #1509
WWCR #161
TOTAL DEPTH: 116'

GEOLOGIC LOG

Patuxent Formation (0-116')

- 0-10 Sand — brown, slightly to moderately argillaceous and silty; medium- to coarse-grained, fairly well sorted, subangular to subrounded; small amount white potassic feldspar; traces of muscovite; hornblende, carbonaceous material; minor spores and plant fragments.
- 10-20 coarser grained and more poorly sorted.
- 20-30 Sand — gray, slightly argillaceous, a few granules and very small pebbles; fine- to very-coarse grained moderately sorted (skewed coarse), angular to subrounded; arkosic (fresh, gray to white potassic feldspar); accessory garnet and muscovite; traces of pyrite and hornblende, glauconite and brown epidote.
- 30-40 "
- 40-50 "
- 50-60 Sand — yellowish-brown, slightly silty and argillaceous, 5-10% fine gravel (up to 7 mm); fine- to very-coarse-grained, moderately sorted (skewed coarse), angular to subrounded; arkosic; minor pyrite; traces of chert and brown epidote.
- 60-70 Sand — white, moderately silty and slightly argillaceous, about 5% fine gravel (2-6 mm); fine- to very-coarse-grained, moderately sorted, angular to subrounded; very arkosic (white potassic feldspar); trace of brown epidote.
- 70-80 Sand — brown, trace of pink clay, a few very small pebbles; medium- to very-coarse-grained, fairly well sorted, subangular to subrounded; moderately arkosic; trace of brown epidote.
- 80-90 gray (no pink clay).
- 90-100 "
- 100-110 Sand — buff, moderately argillaceous, a few small pebbles; medium- to very-coarse-grained, moderately sorted, subangular to subrounded; arkosic.
- 110-116 "

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GEOLOGIC SUMMARY

ROCK UNIT

AGE

Patuxent Formation

Lower Cretaceous

Virginia Division of Mineral Resources
Robert H. Teifke, Geologist
April 6, 1966