



OWNER: Boykins Narrow Fabrics Corporation  
DRILLER: Pittman Wood & Metal Company  
COUNTY: Southampton (Boykins)

VDMR #1632  
WWCR #394  
TOTAL DEPTH: 470'

GEOLOGIC LOG

- 0-20            No sample
- Yorktown Formation (20'-160')
- 20-40            Gravel and sand — buff; 50% granule gravel and 50% fine to very-coarse grained, poorly sorted and poorly-rounded sand; micaceous (muscovite); minor garnet and phosphorite; a few pelecypod shell fragments
- 40-60            Sand — brown, slightly argillaceous; fine to very-coarse grained, poorly sorted, variably rounded; small amount of feldspar
- 60-80            No sample
- 80-100           Sand — brownish gray, moderately argillaceous; fine to medium grained, well sorted, subangular to subrounded; feldspathic; traces of pyrite and muscovite; a few shell fragments
- 100-120           Sand — brown, argillaceous; fine grained, well sorted, angular to subangular; a few shell fragments and echinoid spines
- 120-140                      "
- 140-160           Sand — brownish gray, moderately argillaceous; fine to medium grained, well sorted, subangular; feldspathic; scattered fragments of carbono-phosphorite; a few pelecypod shell fragments and echinoid spines
- Red Clay (160'-180')
- 160-180           Clay — brownish red, sandy; scattered pelecypod shell fragments
- Potomac Group (180'-400')
- 180-200           Sand — brown, very slightly argillaceous, about 15% granules and very small pebbles; medium to very coarse-grained, moderately sorted, subangular to subrounded; moderately arkosic
- 200-220                      "

OWNER: Boykins Narrow Fabrics Corporation

#1632

220-240 No sample

240-260 Sand and gravel — brown, very slightly argillaceous; sand (40%) is fine to very coarse-grained, rather poorly sorted, subangular to subrounded; gravel (60%) consists of granules and a few small pebbles up to 10 mm.; arkosic; traces of garnet and muscovite

260-280 "

280-300 No sample

300-320 Sand — brown, clean; coarse to very coarse-grained, well sorted, subangular to subrounded; arkosic; traces of garnet, muscovite, epidote

320-340 " 10-20% granules

340-360 " "

360-380 No sample

380-400 Sand — buff, slightly silty and argillaceous, about 20% granule gravel; medium to very coarse-grained, well sorted (skewed fine), angular to subrounded; arkosic; traces of muscovite and garnet

400-470 No samples

GEOLOGIC SUMMARY

<u>ROCK UNIT</u>	<u>AGE</u>	
0-20	No sample	
20-160	Yorktown (and St. Mary's ?) Formation	Miocene
160-180	Red Clay	Upper Cretaceous (?)
180-400	Potomac Group	Lower Cretaceous
400-470	No samples	

Note: Driller's log reports bedrock in the 450'-470' interval; lack of samples prevents verification

Virginia Division of Mineral Resources  
Robert H. Teifke, Geologist  
August 4, 1966