

OWNER: Naval Proving Ground #3
DRILLER: J.T. Ellington
COUNTY: King George County

VDMR # 371
WWCR # 23
TOTAL DEPTH : 760

GEOLOGIC LOG

Pamunkey group (60-320)

- 60 Sand - gray to green, medium to fine grained, angular to subangular, very glauconitic, slightly silty, trace of mica, small number of shell fragments
- 135 Silt - gray to green, very sandy and glauconitic, slightly micaceous, trace of shell fragments
- 160 ? Sand - gray to green, medium to fine grained, angular to subangular, very glauconitic, trace of shell fragments
- 225 Clay - brown, very sandy and silty, large number of shell fragments
- 320 Sand - brown, coarse to fine grained, angular to subangular, very glauconitic and silty, slightly argillaceous, trace of shell fragments

Potomac group (360-690)

- 360 Clay - brown, with red and gray mottles, very silty and sandy, slightly glauconitic, trace of shell fragments
- 375 ? Clay - brown, very silty, slightly sandy and glauconitic
- 390 Sand - light brown, coarse to fine grained, angular to subangular, very glauconitic, slightly silty and arkosic
- 405 ? Silt - brown, very sandy and argillaceous, slightly glauconitic, small number of shell fragments
- 420 As above
- 450 As above
- 465 As above
- 475 Sand - brown, medium to fine grained, angular to subangular, very glauconitic, slightly silty, argillaceous, and arkosic
- 490 ? As above

OWNER: Naval Proving Ground #3 (continued)

- 525 Sand - brown, medium to fine grained, angular to sub-angular, very glauconitic, slightly silty, argillaceous, and arkosic, trace of shell fragments
- 540 Silt - brown, very sandy and argillaceous, slightly glauconitic, small number of shell fragments
- 555 As above
- 570 Sand - brown, medium to fine grained, angular to sub-angular, very glauconitic and silty, slightly argillaceous, trace of shell fragments
- 585 Clay - brown, with red mottles, very sandy and silty, trace of glauconite and shell fragments
- 600 Sand - tan to brown, medium to fine grained, angular to subangular, slightly glauconitic, silty, and argillaceous
- 615 Clay - brown, with red mottles, slightly silty and sandy, trace of glauconite, shell fragments, and mica
- 630 As above
- 645 As above
- 660 As above
- 675 Clay - brown, with red mottles, very silty and sandy, trace of glauconite, shell fragments, mica, and carbonaceous matter
- 690 Sand - brown, coarse to fine grained, angular to sub-angular, very silty, trace of mica, large amount of carbonaceous matter

GEOLOGIC SUMMARY

	<u>AGE</u>	<u>ROCK UNIT</u>
60-320	Eocene	Pamunkey group
360-690	Lower Cretaceous	Potomac group

Virginia Division of Mineral Resources
James L. Ruhle - Geologist
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