

OWNER: Joseph Billings II  
DRILLER: John T. Ellington  
COUNTY: King George (King George C.H.)

VDMR # 395  
WWCR # 24  
TOTAL DEPTH : 640

GEOLOGIC LOG

0-45 No samples

Calvert formation

45 Clay - light green, trace of sand

60 Clay - gray to green, trace of sand  
and collophane

75 Clay - light green, trace of sand and  
collophane

Pamunkey group

90 Sand - gray to green, medium to fine  
grained, angular to subangular,  
very silty, slightly glauconitic  
and micaceous, trace of shell  
fragments, small amount of coarse  
grained sand

105 Sand - gray to green, medium to fine  
grained, angular to subangular,  
very silty and glauconitic,  
slightly micaceous and argilla-  
ceous, small amount of shell  
fragments and coarse grained sand

120 Sand - light green, medium to fine  
grained, angular to subangular,  
very silty and argillaceous,  
slightly glauconitic and micaceous,  
large number of shell fragments  
and coarse grained sand

135 Sand - gray to green, medium to fine  
grained, angular to subangular,  
very silty and argillaceous,  
slightly glauconitic, large  
number of shell fragments, trace  
of mica

150 Silt - gray to green, very argillaceous  
and sandy, slightly glauconitic  
and micaceous, small number of  
shell fragments

165 As above

OWNER: Joseph Billings II - (continued)

- 180 Silt - gray to green, very argillaceous and sandy, slightly glauconitic, large number of shell fragments, trace of mica
- 195 As above
- 210 Silt - gray to green, very argillaceous and sandy, slightly glauconitic, small number of shell fragments, trace of mica
- 225 Silt - light brown, very argillaceous and sandy, large number of shell fragments, trace of mica and glauconite
- 240 Silt - gray to green, very argillaceous and sandy, slightly glauconitic, small number of shell fragments, trace of mica
- 255 As above
- 270 Silt - gray to green, very argillaceous and sandy, slightly glauconitic, large number of shell fragments
- 285 Silt - gray to green, very argillaceous and sandy, slightly glauconitic, small number of shell fragments
- 300 As above
- 315 Silt - brown to gray, very argillaceous and sandy, slightly glauconitic, small number of shell fragments, trace of mica
- 330 Silt - gray, very argillaceous and sandy, slightly glauconitic, small number of shell fragments, trace of mica
- 345 Sand - light brown, coarse to fine grained, angular to subangular, very silty and argillaceous, small number of shell fragments, trace of mica and glauconite
- 360 Sand - gray, medium to fine grained, angular to subangular, very silty and argillaceous, slightly glauconitic, small number of shell fragments, trace of mica

OWNER: Joseph Billings II - (continued)

- 375 Sand - brown, medium to fine grained, angular to subangular, very silty and argillaceous, slightly glauconitic, small number of shell fragments, trace of mica
- 390 Clay - gray to brown, with minor red mottles, trace of sand, silt, and mica
- Potomac group
- 405 Clay - gray to brown, very silty and sandy, trace of mica
- 420 Clay - brown, with minor red mottles, very sandy and silty, trace of mica
- 435 As above
- 450 As above
- 465 Clay - brown, very sandy and silty, trace of mica
- 480 Clay - brown, with minor red mottles, trace of sand, silt and mica
- 495 As above
- 510 Clay - brown, with minor red mottles, slightly sandy and silty, trace of mica
- 525 As above
- 540 Clay - brown, with minor red mottles, very silty and sandy, trace of mica
- 555 As above
- 570 Sand - light brown, coarse to fine grained, angular to subangular, very silty, slightly argillaceous, trace of feldspar
- 585 As above
- 600 As above

OWNER: Joseph Billings II - (continued)

640

Clay - red to brown with minor gray  
mottles, slightly silty, very  
micaceous

GEOLOGIC SUMMARY

	<u>AGE</u>	<u>ROCK UNIT</u>
0-45	No samples	?
45-90	Miocene	Calvert formation
90-390	Eocene	Pamunkey group
390-640	Lower Cretaceous	Potomac group

Virginia Division of Mineral Resources  
James L. Ruhle - Geologist  
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