

OWNER: Camp Peary D-2
DRILLER: Va. Machinery & Well
COUNTY: York

W#: 0168
C#: 10
TOTAL DEPTH: 455'
QUAD.: Williamsburg

GEOLOGIC LOG

Depth
(feet)

- 0-260 No sample.
- 260-285 Sand — greenish gray; slightly clayey; fine to medium grained; subangular to subrounded; moderately well sorted; quartz; some glauconite; few shell fragments; few black phosphatic fragments (unwashed only).
- 285-300 No sample.
- 300-310 Sand — salt and pepper; fine to coarse grained, some granules, some pebbles; subangular to rounded; poorly sorted; quartz; 20% glauconite; 15% forams (inc. Bulimina, Pyrulina, Uvigerina, Nonion, Textularia, Bolivina, Discorbis, Globigerina, and Marginulina ?); few black phosphatic fragments; few shell fragments; few spines few sandy limestone fragments; few grains of garnet (float rejected only).
- 310-340 Sand — dark green; slightly clayey; fine to very coarse grained, 10% granules; subrounded to rounded; poorly sorted; 60% glauconite; 25% sandy limestone and shell fragments; quartz; forams (inc. Nodosaria).
- 340-398 Sand — salt and pepper; medium to coarse grained, some granules, some pebbles; subrounded to rounded; moderately sorted; 40% glauconite; 35% sandy limestone fragments; quartz; forams (inc. Nodosaria). (washed and floated only).
- 397-401 Sand — very dark green; medium to coarse grained; rounded; moderately well sorted; 80% glauconite; 15% sandy limestone fragments; quartz; forams (inc. Nodosaria). (unwashed only).
- 401-415 Sand — very dark green; medium to coarse grained; rounded; moderately well sorted; 85% glauconite; quartz (moderately stained); few shell fragments (float rejected only).
- 415-431 As above except 60% glauconite.
- 431-455 No sample.

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-2-

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Depth
(feet)

455

Sand — white; coarse grained to granular, some medium grains, few pebbles; subrounded; moderately sorted; quartz; feldspar; few grains of glauconite (washed and float rejected only).

Logged by: Michael T. Currie

GEOLOGIC SUMMARY

<u>Depth</u> <u>(feet)</u>	<u>Thickness</u> <u>(feet)</u>	<u>Rock Unit</u>	<u>Time Rock Unit</u>
0-260	260	No Sample	
260-285	25	Calvert Formation	Miocene-Eocene
285-300	15	No Sample	
300-431	131	Nanjemoy-Mattaponi Formation	Eocene-Cretaceous
431-455	24	No Sample	
455	+1	Patuxent Formation	Cretaceous

VIRGINIA DIVISION OF MINERAL RESOURCES
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