

VIRGINIA DIVISION OF MINERAL RESOURCES  
 Box 3667, Charlottesville, VA 22903

INTERVAL SHEET

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Well Repository No.: 5234

Date rec'd

Date Processed: 7/31/78

Sample Interval: from 5 to 171

PROPERTY: VDHT

Number of samples: 34

COMPANY:

Total Depth: 171

COUNTY: Claremont

Oil or Gas: Water: ~~Exploratory:~~

From-To	From-To	From-To	From-To
5 -6	30 -31	-	-
10 -11	35 -36	-	-
15 -16	40 -41	-	-
20 -21	45 -46	-	-
25 -26	50 -51	-	-
30 -31	55 -56	-	-
35 -36	60 -61	-	-
40 -41	65 -66	-	-
45 -46	70 -71	-	-
50 -51	-	-	-
55 -56	-	-	-
60 -61	-	-	-
65 -66	-	-	-
70 -71	-	-	-
75 -76	-	-	-
80 -81	-	-	-
85 -86	-	-	-
90 -91	-	-	-
95 -96	-	-	-
100 -101	-	-	-
105 -106	-	-	-
110 -111	-	-	-
115 -116	-	-	-
120 -121	-	-	-
125 -126	-	-	-

washed + unwashed

OWNER: VDHT  
DRILLER: Va. Dept of Highways  
COUNTY: Surry  
(Claremont)

W# 5234  
Total Depth: 171'  
Quad: Claremont

Depth  
(feet)

GEOLOGIC LOG

0-5 No sample.

5-6 Sand - light greenish gray; slightly clayey; very fine grained, some granules, some pebbles; subangular to subrounded; moderately well sorted; quartz; 5% shell fragments; some black phosphatic material; few grains of feldspar; few spines.

6-10 No sample.

10-11 Sand - light olive brown; slightly clayey; very fine to fine grained, few granules; subangular to subrounded; moderately well sorted; quartz; 5% shell fragments; some black phosphatic material; few spines.

11-15 No sample.

15-16 Sand-light olive gray; moderate clay - olive light gray, light olive gray; very fine to fine grained, some medium grains; subangular to subrounded; moderately well sorted; quartz; few black phosphatic fragments. few grains of glauconite.

16-20 No sample.

20-21 Sand - light greenish gray; moderate clay; silty; very fine to fine grained; subangular to subrounded; moderately well sorted; quartz; few black phosphatic fragments.

21-25 No sample.

25-26 As (20-21) except yellowish gray; some light yellow clay.

26-30 No sample.

30-31 Clay - light olive gray; abundant sand; very fine to fine grained; subangular to subrounded; well sorted; quartz; few grains of glauconite; few black phosphatic fragments.

31-35 No sample.

35-36 As (30-31) except olive light gray.

36-40 No sample.

40-41 As (35-36) except sand; abundant clay.

41-45 No sample.

45-46 Clay - light gray, medium dark gray; few grains of quartz.

Depth  
(feet)

- 46-50 No sample.
- 50-51 Clay - olive light gray; some muscovite; few grains of quartz.
- 51-55 No sample.
- 55-56 As (50-51) except no quartz.
- 56-60 No sample.
- 60-61 As (50-51).
- 61-65 No sample.
- 65-66 Sand - olive light gray; moderate clay; medium grained, some fine grains, some coarse grains; subangular to subrounded; moderately sorted; quartz; 3% shell fragments; some black phosphatic material; few grains of glauconite; bone fragment.
- 66-70 No sample.
- 70-71 Sand - olive light gray; moderate clay; fine to medium grained; subangular to subrounded; moderately well sorted; quartz; 5% shell fragments; some black phosphatic material; forams abundant (inc. Buccella, Bulimina, Nonion, Pyrulina, Textularia, Bolivina, and Uvigerina); few spines.
- 71-75 No sample.
- 75-76 Sand - light gray; moderate clay; fine to medium grained; subangular to subrounded; moderately well sorted; quartz; 30% sandy limestone and shell fragments; some glauconite (black, green); some black phosphatic material; forams (inc. Uvigerina, Bulimina, Nonion, and Guttulina?); ostracodes; few spines.
- 76-80 No sample.
- 80-81 Sand - light gray; moderate clay; fine to coarse grained; subangular to subrounded; moderately sorted; quartz; 15% shell fragments and sandy limestone; 2% glauconite (black, green); some pyrite; some pyrite; forams; ostracode.
- 81-85 No sample.
- 85-86 Sand - medium light gray; slightly clayey; fine to coarse grained; subangular to subrounded; moderately sorted; quartz; 10% shell fragments; 5% glauconite (black, green); few black phosphatic fragments inc. shark's tooth; pyrite.
- 86-90 No sample.
- 90-91 Sand - greenish gray; slightly clayey; very fine to fine grained, some coarse grains; subangular to rounded; moderately sorted; quartz; 25% glauconite (black, green); 7% shell fragments; some muscovite; forams rare (inc. Robulus).

Depth  
(feet)

- 91-95 No sample.
- 95-96 Sand - dark greenish gray; slightly clayey; fine to medium grained, some coarse grains; subangular to subrounded; moderately sorted; quartz; 35% glauconite (black,green); 3% shell fragments; some muscovite; forams scarce (inc. Buccella); pyrite; ostracode.
- 96-100 No sample.
- 100-101 Sand - olive light gray; abundant clay (some clasts); medium grained; some coarse grains; rounded; well sorted; glauconite 85% of sand sized fraction; quartz; few shell fragments; forams (inc. Buccella and Robulus); muscovite; pyrite; ostracode.
- 101-105 No sample.
- 105-106 As (100-101) plus muscovite; few spines.
- 106-110 No sample.
- 110-111 As (100-101) except forams (inc. Buccella and Nonion).
- 111-115 No sample.
- 115-116 Sand -dark greenish gray; moderate clay ( some clasts); medium to coarse grained; rounded; moderately well sorted; glauconite (black,green) 95% of sand sized fraction; quartz; muscovite; few black phosphatic fragments.
- 116-120 No sample.
- 120-121 Sand - dark greenish gray; slightly clayey; medium grained, some coarse grains; rounded; well sorted; 85% glauconite (black,green,brown); quartz; muscovite.
- 121-125 No sample.
- 125-126 As (120-121) except 75% glauconite (black,brown).
- 126-130 No sample.
- 130-131 Sand - dark greenish gray; slightly clayey; medium grained; rounded; well sorted; 65% glauconite (black,brown); quartz.
- 131-135 No sample.
- 135-136 As (130-131).
- 136-140 No sample.
- 140-141 As (130-131).
- 141-145 No sample.

Depth  
(feet)

- 145-146 Sand - dark greenish gray; slightly clayey; fine to medium grained; subangular to rounded; moderately well sorted; 50% glauconite (black, green); quartz; muscovite.
- 146-150 No sample.
- 150-151 As (145-146) except forams scarce (inc. Nodosaria).
- 151-155 No sample.
- 155-156 Sand - dark greenish gray; slightly clayey - dark greenish gray, dark yellowish green; medium grained; subangular to subrounded; well sorted; 65% glauconite (black, green); quartz; muscovite; forams rare (inc. Robulus).
- 156-160 No sample.
- 160-161 As (155-156) except 70% glauconite; no foram.
- 161-165 No sample.
- 165-166 As (160-161) except 80% glauconite.
- 166-170 No sample.
- 170-171 As (165-166) plus few shell fragments; forams rare (inc. Nodosaria).

Logged by: Michael T. Currie

GEOLOGIC SUMMARY

<u>Depth</u> (feet)	<u>Thickness</u> (feet)	<u>Rock Unit</u>	<u>Time Rock Unit</u>
0-5	5	No sample	
5-71	66	Calvert Formation	Miocene-Eocene
71-75	4	No sample	
75-171	96+	Nanjemoy Formation	Eocene

VIRGINIA DIVISION OF MINERAL RESOURCES  
David A. Hubbard, Jr., Geologist  
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