

County: Surry
VDMR Well # 6043

Well: B-4
Property Owner:
Driller:
Location: Surry Landfill

Altitude Top of Hole: 103.2'
Total Depth: 40.5'
Started Drilling: 12/78
Completed Drilling: 4/79
Sample Description by: Becky Darnton

GEOLOGIC SUMMARY

Depth	Thickness	Formation	Age
0-29'	29'	Columbia Group	Pleistocene
29'-40.5'	11.5'	Yorktown Fm.	Pliocene

Depth
(feet)

GEOLOGIC LOG

W-6043

- 4.0-5.5 Clay - yellowish red 5YR-5/8 & olive yellow 2.5Y-6/6; moderate sand; very fine to medium grained poor sorting; mottled; few heavy minerals.
- 9.0-10.5 Top-Sand - yellowish brown 10YR-5/8; moderate clay; fine to coarse grained; poor sorting; subrounded; some ferricrete & some heavy minerals; feldspar.
Bottom-Clay - light brownish gray 10YR-6/2 & red 2.5YR-5/8; abundant sand; fine to coarse grained; poor sorting; subangular; mottled; few heavies.
- 14-15.5 Top - same as clay above, abundant to moderate amount sand; some heavy minerals.
Bottom-Sand - yellowish brown 10YR-5/8; some clay; medium grained; moderately poor sorting; subrounded; some heavies.
- 19.-20.5 Same as sand above - brownish yellow 10YR-6/6; few heavy minerals; feldspar.
- 24.-25.5 Top - same as above
Bottom-Sand - yellowish brown 10YR-5/8; moderate clay; fine to very coarse grained; poor sorting; subangular; feldspar.
- 29.0-30.5 Sand - same as (bottom sand) above; light olive brown 2.3Y-5/6; abundant cobbles; few shell fragments; some heavy minerals.
- 34.-35.5 Top-Clay - yellowish brown 10YR-5/8; some sand; fine to coarse grained; poor sorting; subangular; few heavy minerals.
Bottom - laminated gray clay & light gray sandy clay; moderate sand; very fine grained; moderate sorting; few grains glauconite; sulfur smell.
- 39.-40.5 Same as laminated clay above; some glauconite.

Depth
(feet)

GEOLOGIC LOG

W-6043

#1 4.0 - 5.5 Clay - yellowish red 5YR - 5/8 & olive yellow 2.5Y - 6/6; moderate sand; very fine to medium grained; poor sorting; mottled; few heavy minerals

#2 9.0 - 10.5 Top - Sand - yellowish brown 10YR - 5/8; moderate clay; fine to coarse grained; poor sorting; subrounded;

~~Bottom - Sand - yellowish brown 10YR - 5/8; moderate clay; fine to coarse grained; poor sorting; subrounded; some ferricrete & some heavy minerals; feldspar.~~

~~Bottom - Clay - light brownish gray 10YR - 6/2 & red 2.5YR - 5/8; abundant sand; fine to coarse grained; poor sorting; subangular; mottled; few heavies~~

#3 14 - 15.5 Top - Same as clay above; abundant to moderate amount sand; some heavy minerals

Bottom - Sand - yellowish brown 10YR - 5/8; some clay; medium grained; moderately poor sorting; subrounded; some heavies

#4 19 - 20.5 Same as sand above - brownish yellow 10YR - 6/6; few heavy minerals; feldspar

#5 24 - 25.5 Top - Same as above

Bottom - Sand - yellowish brown 10YR - 5/8; moderate clay; fine to ^{very} coarse grained; poor sorting; subangular; feldspar

#6 29.0 - 30.5 Sand - same as (bottom sand) above; light olive brown 2.5Y - 5/6; abundant cobbles; few shell fragments; some heavy minerals

#7 34 - 35.5 Top - Clay - yellowish brown 10YR - 5/8; some sand; fine to coarse grained; poor sorting; subangular; few heavy minerals

Bottom - laminated gray clay & light gray clay; moderate sand; very fine grained; poor sorting; few grains glauconite; sulfur