

County: Surry  
VDMR Well # 6046

Well: B-7  
Property Owner:  
Driller:  
Location: Surry Landfill

Altitude Top of Hole: 87.4  
Total Depth: 35.5  
Started Drilling: 12/78  
Completed Drilling: 4/79  
Sample Description by: Becky Darnton

GEOLOGIC SUMMARY

Depth	Thickness	Formation	Age
0-24	24'	Columbia Group	Pleistocene
24-35.5	11.5'	Yorktown Fm.	Pliocene



Depth  
(feet)

GEOLOGIC LOG

W-6046

- 4.-5.5 Clay - yellowish brown 10YR-5/8; some red 2.5YR-4/8 & gray 10YR-6/1; abundant sand; medium grained; poor sorting; subangular; some feldspar; some heavy minerals.
- 9.0-10.5 Clay; red 2.5YR-4/8 & gray 10YR-6/1; laminated few to some sand; fine grained; moderated sorting; subangular; Laminae of Sand; strong brown 7.5YR-5/6; moderate amount clay; medium grained; poor sorting; subangular; feldspar; some to 2% heavy minerals.
- 14-15.5 Top-Sand - pale yellow 2.5Y-7/4; some clay; medium to coarse grained; poor sorting subangular; feldspar; muscovite; some heavy minerals.  
Bottom-Clay - gray 10YR-6/1; some sand; fine to medium grained; poor sorting; subangular; few heavies.
- 19.0-20.5 Sand - brownish yellow 10YR-6/8; some to moderate clay; medium to coarse grained; poor sorting; feldspar; few heavies.
- 24.-25.5 Top-Clay - strong brown 7.5YR-5/8; abundant sand; fine grained; moderate sorting; subangular muscovite; feldspar; few heavy minerals  
Bottom-Clay - gray 10YR-5/1; some sand; very fine grained; some glauconite; sulfur smell.
- 29.-30.5 Top-Sand - brown 10YR-4/3; moderately abundant clay; medium to coarse grained; poor sorting; subrounded; feldspar; qtz. pebbles; few heavies  
Bottom - Same as gray clay above; 2% glauconite.
- 34.0-35.5 Clay - dark gray 10YR-4/1; moderate to abundant sand; very fine to fine grained; moderate sorting; 7% glauconite; sulfur smell.

4. - 5.5 Clay - yellowish brown 10YR-5/8; some red 2.5YR-4/8 & gray 10YR-6/1; abundant sand; medium grained; poor sorting; subangular; some feldspar; some heavy minerals;

7.0 - 10.5 Clay; red 2.5YR-4/8 & gray 10YR-6/1; laminated <sup>few to</sup> some sand; fine grained; moderate sorting; subangular; Laminae of Sand; strong brown 7.5YR-5/6; moderate amount clay; medium grained; poor sorting; subangular; feldspar; some to 2% heavy minerals

11. - 15.5 Top - Sand - pale yellow 2.5Y-7/4; some clay; medium to coarse grained; poor sorting; subangular; feldspar; muscovite; some heavy minerals

Bottom - Clay - gray 10YR-6/1; some sand; fine to medium grained; poor sorting; subangular; few heavies

~~Surry sand # 7~~

19.0 - 20.5 Sand - brownish yellow 10YR-6/8; some to moderate clay; medium to coarse grained; poor sorting; feldspar; few heavies

24. - 25.5 Top - Clay - strong brown 7.5YR-5/8; abundant sand; fine grained; moderate sorting; subangular; muscovite; feldspar; few heavy minerals

Bottom - Clay - gray 10YR-5/1; some sand; very fine grained; some glauconite; sulfur smell

29. - 30.5 Top - Sand - brown 10YR-4/3; moderately abundant clay; medium to coarse grained; poor sorting; subrounded; feldspar; etc. pebbles; few heavies

Bottom - Same as gray clay above; 2% glauconite

34.0 - 35.5 Clay - dark gray 10YR-4/1; moderate to abundant sand; very fine to fine grained; moderate