

County: Surry

VDMR Well #6040

Well: B-1

Property Owner:

Driller:

Location: Surry Landfill

Altitude Top of Hole: 103.8'

Total Depth: 50.5

Started Drilling: 12/78

Completed Drilling: 4/79

Sample Description by: Becky Darnton

#### GEOLOGIC SUMMARY

Depth	Thickness	Formation	Age
0-34'	34'	Columbia Group	Pleistocene
34-50.5'	16.5'	Yorktown Formation	Pliocene



Owner:  
Driller:  
County: Surry

W# - 6040  
C# -  
Total Depth: 50.5  
Quad:  
Elev:

Depth  
(feet)

GEOLOGIC LOG

- 4.0-5.5 Clay - yellowish brown (10 YR 5/6) and red (2.5 YR 4/6); moderate to abundant sand; fine to coarse grained; poor sorting; shell fragments; some heavy minerals.
- 9.0-10.5 Same as above; abundant sand; thin layers of heavy mineral concentrations; feldspar.
- 14.0-15.5 Sand - yellowish brown (10 YR 5/6) and light yellowish brown (10 YR 6/4); moderate amount clay; medium to coarse grained; poor sorting; subangular; some to moderate ferricrete; feldspar; few heavy minerals.
- 19.0-20.5 Sand - yellowish brown (10 YR 5/8); some clay; coarse grained; poor sorting; subangular; some ferricrete; feldspar; few heavy minerals.
- 24.0-25.5 Same as above; some to moderate clay; no ferricrete.
- 34.0-35.5 Clay - dark gray (7.5 R N4); 5% glauconite; some muscovite; sulfur smell; moderate amount very fine grained sand.
- 39.0-40.5 Same as above; some gypsum.  
Bottom - with light gray sandy laminae.
- 44.0-45.5 Clay - light olive brown (2.5 Y 5/4); abundant sand; medium grained; subangular; poor sorting; 6% shell fragments; 2% glauconite; quartz; some forams (Cibicides?).
- 49.0-50.5 Same as above; no forams.

GEOLOGIC LOG

~~Swamp Land FILL~~

Depth in  
Feet

7.0-5.5

Clay - yellowish-brown 10YR-5/6 & red 2.5YR-4/6; moderate to abundant sand; fine to coarse grained; poor sorting; shell fragments; some heavy minerals

9.0-10.5

Same as above; abundant sand; <sup>thin</sup> layers of heavy mineral concentrations; feldspar

14-15.5

Sand; yellowish brown 10YR-5/6 & light yellowish brown 10YR-6/4; moderate amount clay; medium to coarse grained; poor sorting; subangular; some moderate ferricrete; laminae of heavy mineral concentrations

19.0-20.5

Sand - yellowish brown 10YR-5/8; some clay; coarse grained; poor sorting; subangular; some ferricrete; feldspar; few heavy minerals;

24.0-25.5

Same as above; some to moderate clay; no ferricrete

34-35.5

- dark gray 7.5R-N4  
Clay; 5% glauconite; some muscovite; sulfur smell; moderate amount very fine grained sand

39-40.5

Same as above; some gypsum  
Bottom - w/ light gray sandy laminae

44-45.5

Clay - light olive brown 2.5Y-5/4; abundant sand; medium grained; subangular; poor sorting; 6% shell fragments; 2% glauconite; gtz; some forams (Cibicides?)

50.5

Same as above; no forams