

County: Surry

VDMR Well #6041

Well: B-3

Property Owner:

Driller:

Location: Surry Landfill

Altitude Top of Hole: 103.9

Total Depth: 40.5

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
34-40.5'	6.5'	Yorktown Formation	Pliocene

Owner:
Driller:
County: Surry

W# - 6041
C# -
Total Depth: 40.5
Quad:
Elev:

Depth
(feet)

GEOLOGIC LOG

- 4.0-5.5 Clay - yellowish brown (10 YR 5/8) and light gray (10 YR 7/2); moderate sand; very fine grained; moderate sorting; subangular; feldspar.
- 9.0-10.5 Same as above - light gray and red (7.5 R 5/8) laminated; few heavy minerals.
- 14.0-15.5 Sand - yellowish brown (10 YR 6/8); some clay; medium grained; moderate to poor sorting; subangular; some heavy minerals; feldspar.
- 19.0-20.5 Same as above - Sand - light yellowish brown (2.5 Y 6/4) and olive yellow (2.5 Y 6/6); few heavy minerals; ¼" layer of gray clay; some quartz and heavy minerals and feldspar.
- 24.0-25.5 Same as above; fine to coarse grained; poor sorting; 1% heavies; no gray clay layer.
- 29.0-30.5 Same as above - Sand - strong brown (7.5 YR 5/6) and light yellowish brown; some heavy minerals; several quartz pebbles.
- 34.0-35.5 Clay - dark gray (7.5 R N4); moderate sand; fine grained; moderate sorting; subangular; some quartz and glauconite (muscovite?); sulfur smell.
- 39.0-40.5 Clay - dark gray (7.5 R N4); few to some glauconite; abundant sulfur laminated with: Sand - light brownish gray (10 YR 6/2); some clay; very fine grained; well sorted; 1% glauconite.

Depth
(feet)

1 1/0 - 5.5 Clay - yellowish brown 10YR - 5/8 & light gray 10YR - 7/2;
moderate sand; very fine grained; moderate
sorting; subangular; feldspar

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~~Depth in
feet~~~~Swamp landfill~~

2 9. - 10.5 Sand as above - light gray & red 7.5R - 5/8
laminated; few heavy minerals

3 14.0 - 15.5 Sand - yellowish brown 10YR - 6/8; some clay;
medium grained; moderate to poor sorting; subangular;
some heavy minerals; feldspar

4 19 - 20.5 Same as above - Sand - light yellowish brown 2.5Y - 6/
& olive yellow 2.5Y - 6/6; few heavy minerals;
1/4" layer of gray clay - some gtz. & heavy minerals & feldspar

5 24 - 25.5 Same as above; fine to coarse grained;
poor sorting; 1% heavies - no gray clay layer

6 29 - 30.5 Same as above - Sand; strong brown 7.5YR - 5/
& light yellowish brown; some heavy minerals;
several gtz. pebbles

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7 34 - 35.5 Clay - dark gray 7.5R - N4; moderate sand;
fine grained; moderate sorting; subangular;
some gtz. & glauconite (muscovite?) - sulfur smell

8 39 - 40.5 Clay - dark gray 7.5R - N4; few - some glauconite
; abundant sulfur laminated with:
Sand - light brownish gray 10YR - 6/2; some clay
very fine grained; well sorted; 1% glauconite