

County: Nansemond
VDMR Well #1225

Well: V-66-15
Property Owner: J. T. Archer
Driller: Froehling and Robertson
Location: Core boring on northwest side of State Road 632, 0.25 mile
southwest of U. S. 460
Altitude Top of Hole: 76.5 feet
Total Depth: 41.0 feet
Started Drilling: June 24, 1966
Completed Drilling: June 24, 1966
Sample Description by: N. K. Coch

GEOLOGIC SUMMARY

Depth	Thickness	Formation	Age
0.0'-33.5'	33.5	Elberon	Middle Pleistocene
33.5'-39.0'	5.5'	Sedley	Pliocene ?
39.0'-41.0'	2.0'	Yorktown	Late Miocene

GEOLOGIC LOG

Formation	Depth in feet	Thickness in feet	Description
Elberon	0.0-4.0	4	Flush Interval
	4.0-6.0	2	Clay - gray (purplish-gray), tan mottling, sandy, possible laminae Compressive strength: 0.3 ton per square foot
	6.0-9.0	3	Flush Interval
	9.0-11.0	2	Sand - gray, tan mottling, medium-coarse, laminated with thin streaks of finer material (silt ?, clayey fine sand ?) 9.0'-10.0' - blows per foot not recorded 10.0'-11.0' - blows per foot not recorded Compressive strength: 0.8 ton per square foot
	11.0-14.0	3	Flush Interval
	14.0-16.0	2	Sand - dark-bluish-gray, fine-medium with some laminae of silt 14.0'-15.0' - blows per foot not recorded 15.0'-16.0' - blows per foot not recorded Compressive strength: non-cohesive
	16.0-19.0	3	Flush Interval
	19.0-21.0	2	Sand - grayish-white, fine-medium, noticeable opaque minerals, laminated 19.0'-20.0' - blows per foot not recorded 20.0'-21.0' - blows per foot not recorded Compressive strength: non-cohesive Rupture
	21.0-24.0	3	Flush Interval
	24.0-26.0	2	Sand - gray, medium, well-sorted, opaque minerals, laminae conspicuous 24.0'-25.0' - 25 blows per foot 25.0'-26.0' - 39 blows per foot
	26.0-29.0	3	Flush Interval

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Formation	Depth in feet	Thickness in feet	Description
Elberon	29.0-31.0	2	Sand - gray, medium-to coarse, well-sorted, noticeable opaque minerals, some pebble gravel 29.0'-30.0' - 19 blows per foot 30.0'-31.0' - 41 blows per foot Compressive strength: non-cohesive
	31.0-33.5	2.5	Flush Interval
Sedley	33.5-34.0	0.5	Flush Interval
	34.0-36.0	2	Silt - greenish-gray, mottled with green and gray, most unusual emerald-green mottling, laminated silt and fine clayey sandy 34.0'-35.0' - 3 blows per foot 35.0'-36.0' - 5 blows per foot Compressive strength: 0.7 ton per square foot
	36.0-39.0	3	Flush Interval
Yorktown	39.0-41.0	2	Sand - bluish-gray, silty, highly fossiliferous (75 percent), small forms and fragments 39.0'-40.0' - 8 blows per foot 40.0'-41.0' - 13 blows per foot

