

County: Nansemond
VDMR Well #1215

Well: V-66-5
Property Owner: E. Haas
Driller: Froehling and Robertson
Location: At right angle turn in farm road off State Road 601, 0.2 mile
northwest of State Road 603
Altitude Top of Hole: 79.3 feet
Total Depth: 76.0 feet
Started Drilling: June 15, 1966
Completed Drilling: June 15, 1966
Sample Description by: N. K. Coch

GEOLOGIC SUMMARY

Depth	Thickness	Formation	Age
0.0'-43.0'	43'	Elberon	Middle Pleistocene
43.0'-74.0'	31'	Sedley	Pliocene ?
74.0'-76.0'	2'	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	Sand - grayish-tan, yellowish-orange mottled, medium, trace coarse, clayey (typical Elberon Formation) 4.0'-5.0' - 6 blows per foot 5.0'-6.0' - 23 blows per foot
	6.0-9.0	3	Flush Interval
	9.0-11.0	2	Sand - purplish-gray with yellowish-tan mottling, (minor) medium to coarse, tiny hematitic blotches. Clay coating on grains, may be secondary 9.0'-10.0' - 20 blows per foot 10.0'-11.0' - 27 blows per foot
	11.0-14.0	3	Flush Interval
	14.0-16.0	2	Sand - gray with horizontal yellowish-orange streaks (sandier) medium-coarse, 20 percent clay, possibly very thin gray clay streaks 14.0'-15.0' - 22 blows per foot 15.0'-16.0' - 20 blows per foot
	16.0-19.0	3	Flush Interval
	19.0-21.0	2	Sand - gray with horizontal orange streaks (laminated) medium-coarse, 15 percent clay 19.0'-20.0' - 17 blows per foot 20.0'-21.0' - 17 blows per foot
	21.0-24.0	3	Flush Interval
	24.0-26.0	2	Sand - gray with horizontal streaks of orange, medium coarse, less than 10 percent clay, grains look clean, clay may be secondary 24.0'-25.0' - 23 blows per foot 25.0'-26.0' - 24 blows per foot

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Formation	Depth in feet	Thickness in feet	Description
Elberon	26.0-29.0	3	Flush Interval
	29.0-31.0	2	Sand - grayish-tan, medium to coarse, well-washed some rock fragments 29.0'-30.0' - 46 blows per foot 30.0'-31.0' - 45 blows per foot
	31.0-34.0	3	Flush Interval
	34.0-36.0	2	No Recovery (sampler empty) 34.0'-35.0' - 66 blows per foot 35.0'-36.0' - 66 blows per foot
	36.0-39.0	3	Flush Interval. Gray silt chunks at 38.0 chunks
	39.0-41.0	2	Sand - gray, medium, grades into bright orange at base 39.0'-40.0' - 51 blows per foot 40.0'-41.0' - 28 blows per foot
	41.0-43.0	2	Flush Interval
Sedley	43.0-44.0	1	Flush Interval - wash water at 43.0' turns blue-gray and ferricrete present in wash
	44.0-46.0	2	Silt - blue, fairly compact, and sand, fine-medium well-sorted 44.0'-45.0' - 36 blows per foot 45.0'-46.0' - 19 blows per foot
	46.0-49.0	3	Flush Interval. Bluish-gray clay in wash, at 48.0 feet
	49.0-51.0	2	Sand - bluish-gray with interlaminated dark bluish-gray fine-sandy silt. Layer of granules and pebble gravel in silt at base (higher number of blows per foot) 49.0'-50.0' - 29 blows per foot 50.0'-51.0' - 78 blows per foot
	51.0-54.0	3	Flush Interval
	54.0'-56.0'	2	Sand - grayish-tan and bright orange, coarse and fine granules. Grades back into coarse sand at base 54.0'-55.0' - 33 blows per foot 55.0'-56.0' - 45 blows per foot

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Formation	Depth in feet	Thickness in feet	Description
Sedley	56.0-59.0	3	Flush Interval
	59.0-61.0	2	Sand - dark-grayish-blue, silty, and sand, orange, medium-to coarse, possibly laminated 59.0'-60.0' - 20 blows per foot 60.0'-61.0' - 13 blows per foot
	61.0-74.0	13	Flush Interval
Yorktown	74.0-76.0	2	Sand - tan, medium-to coarse, sharp contact with silt, highly fossiliferous, blue 74.0'-75.0' - 28 blows per foot 75.0'-76.0' - 39 blows per foot

