

County: Isle of Wight
VDMR Well #1678

Well: V-66-24

Property Owner: State, road right-of-way

Driller: Froehling and Robertson

Location: Southwest side of U. S. Highway 258, 40 feet southwest of
State Road 680

Altitude Top of Hole: 82.5 feet

Total Depth: 41.0 feet

Started Drilling: June 30, 1966

Completed Drilling: June 30, 1966

Sample Description by: N. K. Coch

GEOLOGIC SUMMARY

Depth	Thickness	Formation	Age
0.0'-29.0'	29'	Elberon	Middle Pleistocene
29.0'-37.0'	8'	Sedley	Pliocene ?
37.0'-41.0'	4'	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 - orange-tan with gray mottling and some reddish-orange blotches, very fine, 45 percent clay 4.0'-5.0' - 18 blows per foot 5.0'-6.0' - 26 blows per foot Compressive strength: 1.5 tons per square foot
	6.0-9.0	3	Flush Interval
	9.0-11.0	2	Sand - orange-tan, mottled with orange, gray, and pink, medium-to coarse, some gray silt chunks and streaks, 25 percent clay 9.0'-10.0' - 20 blows per foot 10.0'-11.0' - 26 blows per foot
	11.0-14.0	3	Flush Interval
	14.0-16.0	2	Sand - clayey, medium-coarse, poorly-sorted, some granules, laminae of gray silt 14.0'-15.0' - 13 blows per foot 15.0'-16.0' - 17 blows per foot Compressive strength: 1.1 tons per square foot
	16.0-19.0	3	Flush Interval
	19.0-21.0	2	Sand, orange-tan, medium-to coarse, laminated with soft bluish-gray silt, and thin laminae of bright-orange clayey-sand (are these gradational?) 19.0'-20.0' - 5 blows per foot 20.0' - 21.0' - 3 blows per foot
	21.0-24.0	3	Flush Interval

Formation	Depth in feet	Thickness in feet	Description
Elberon	24.0-26.0	2	Sand - tan and bluish-gray, becoming bright-orange at base, fine-medium well-sorted, and clayey, some granules 24.0'-25.0' - 4 blows per foot 25.0'-26.0' - 12 blows per foot Compressive strength: 3 tons per square foot
	26.0-29.0	3	Flush Interval
Sedley	29.0-31.0	2	Sand, bright-orange, very-fine, laminated with sandy silt, orange with some gray areas. Dark-brownish areas similar to those in Sedley Formation elsewhere 29.0'-30.0' - 15 blows per foot 30.0'-31.0' - 8 blows per foot
	31.0-34.0	3	Flush Interval
	34.0-36.0	2	Silt, bluish-gray with dark organic areas, fine-medium, sandy, possible wood fragments and ferricrete. Possible piece of coral 34.0'-35.0' - 6 blows per foot 35.0'-36.0' - 9 blows per foot
	36.0-37.0	1	Flush Interval, first shells in wash at 37.0' also becomes more compact at this point
Yorktown	37.0-39.0	2	Flush Interval
	39.0-41.0	2	Clay - pale-bluish-gray, fine-sandy, very-fossiliferous decomposed shells and molds, many small forms 39.0'-40.0' - 19 blows per foot 40.0'-41.0' - 23 blows per foot Compressive strength: 2.0 tons per square foot

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