

County: Isle of Wight
VDMR Well #1673

Well: V-66-19
Property Owner: State (Division of Forestry)
Driller: Froehling and Robertson
Location: North side of State Road 644, 65 feet northwest of State Road 637
Altitude Top of Hole: 87.8 feet
Total Depth: 42.0 feet
Started Drilling: June 27, 1966
Completed Drilling: June 27, 1966
Sample Description by: N. K. Coch

GEOLOGIC SUMMARY

Depth	Thickness	Formation	Age
0.0'-35.0'	35'	Elberon	Middle Pleistocene
35.0'-40.0'	5'	Sedley	Pliocene ?
40.0'-42.0'	2'	Yorktown	Late Miocene

GEOLOGIC LOG

Formation	Depth in feet	Thickness in feet	Description
Elberon	0.0-2.0	2	Sand - dark-orangish-tan, fine-to medium 0.0'-1.0' - 30 blows per foot 1.0'-2.0' - 14 blows per foot
	2.0-4.0	2	Sand - gray, medium-to coarse, noticeable opaque minerals, white specks (kaolin ? shell fragments) 2.0'-3.0' - 8 blows per foot 3.0'-4.0' - 10 blows per foot
	4.0-6.0	2	Sand - gray, orangish-tan blotches, medium-to coarse, 10 percent clay, possible laminated 4.0'-5.0' - 23 blows per foot 5.0'-6.0' - 12 blows per foot
	6.0-8.0	2	Sand - grayish-purple, with streaks of orange-yellow, fine-to medium, 50 percent clay 6.0'-7.0' - 10 blows per foot 7.0'-8.0' - 9 blows per foot
	8.0-9.0	1	No Recovery
	9.0-11.0	2	Clay - navy-gray, with small yellowish-tan blotches, sandy, fine 9.0'-10.0' - 9 blows per foot 10.0'-11.0' - 2 blows per foot Compressive strength: 1.5 tons per square foot
	11.0-13.0	2	Sand - gray, medium, 45 percent clay micaceous, noticeable opaque minerals 11.0'-12.0' - 7 blows per foot 12.0'-13.0' - 6 blows per foot Compressive strength: .8 ton per square foot

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Formation	Depth in feet	Thickness in feet	Description
Elberon	13.0-15.0	2	Sand - light-gray with streaks of light-orange, medium-to coarse, slightly clayey (10 percent clay), noticeable opaque minerals and mica flakes
	15.0-19.0	4	Flush Interval
	19.0-21.0	2	Sand - gray, medium-to coarse, 30 percent clay 19.0'-20.0' - 4 blows per foot 20.0'-21.0' - 4 blows per foot Compressive strength: 1.1 tons per square foot
	21.0-24.0	3	Flush Interval
	24.0-26.0	2	Sand - gray with few streaks of bright orange, medium-to coarse, 40 percent clay, noticeable opaque minerals 24.0'-25.0' - 8 blows per foot 25.0'-26.0' - 11 blows per foot
	26.0-30.0	4	Flush Interval
	30.0-32.0	2	Sand - gray, well-sorted, black specks (chert and opaque minerals), becomes coarser downward 30.0'-31.0' - 28 blows per foot 31.0'-32.0' - 53 blows per foot
	32.0-35.0	3	Flush Interval
	Sedley	35.0-37.0	2

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Formation	Depth in feet	Thickness in feet	Description
Sedley	37.0-40.0	3	Flush Interval (Contact at 40.0 feet first shells in wash)
Yorktown	40.0-42.0	2	Sand - greenish-blue, fine-to medium, slightly clayey, (less than 10 percent clay), highly fossiliferous 40.0'-41.0' - 21 blows per foot 41.0'-42.0' - 33 blows per foot

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"possible laminated" (4-6')
contacts?
"downward" ? (30-32')
19-21' description? (No sample listed on IS)

TKD

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	32.0-35.0	3	Flush Interval
Sedley	35.0-37.0	2	Sand - greenish-gray, fine, 40 percent clay 35.0'-36.0' - 4 blows per foot 36.0'-37.0' - 5 blows per foot Compressive strength: 0.6 ton per square foot

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