

County: Nansemond
VDMR Well #1221

Well: V-66-11

Property Owner: Roundtree Dairy Inc.

Driller: Froehling and Robertson

Location: South side of State Road 706, 2100 feet east of State Highway 10

Altitude Top of Hole: 42.6 feet

Total Depth: 34.0 feet

Started Drilling: June 22, 1966

Completed Drilling: June 22, 1966

Sample Description by: N. K. Coch

GEOLOGIC SUMMARY

Depth	Thickness	Formation	Age
0.0'-10.0'	10'	Norfolk	Late Pleistocene
10.0'-14.0'	4'	Elberon	Middle Pleistocene
14.0'-30.0'	16'	Sedley	Pliocene (?)
30.0'-34.0'	4'	Yorktown	Late Miocene

GEOLOGIC LOG

Formation	Depth in feet	Thickness in feet	Description
Norfolk	0.0-2.0	2	Sandy- yellowish-tan, fine-to medium 0.0'-1.0' - 16 blows per foot 1.0'-2.0' - 17 blows per foot Compressive strength: 1.0 ton per square foot
	2.0-4.0	2	Sand - pale tan, medium, well-sorted, trace of clay (10%) 2.0'-3.0' - 33 blows per foot 3.0'-4.0' - 22 blows per foot Compressive strength: 2.2 tons per square foot
	4.0-6.0	2	Sand - tan, medium-to coarse, well sorted 4.0'-5.0' - 8 blows per foot 5.0'-6.0' - 15 blows per foot Compressive strength: no reading
	6.0-8.0	2	Sand - medium-to coarse, some granules 6.0'-7.0' - 34 blows per foot 7.0'-8.0' - 70 blows per foot Compressive strength: no reading
	8.0-10.0	2	Sand - white, fine-to medium, very-well-sorted, fairly well-rounded, noticeable opaque minerals 8.0'-9.0' - 38 blows per foot 9.0'-10.0' - 11 blows per foot Compressive strength: no reading
Elberon	10.0-12.0	2	Sand - gray, fine, very clayey, limonitic blotches, grains moderately rounded, laminated with yellowish-orange coarse sand near top 10.0'-11.0' - 11 blows per foot 11.0'-12.0' - 10 blows per foot Compressive strength: 0.75 ton per square foot
	12.0-14.0	2	Sand - organish-tan, laminated with streaks of gray, fine-to medium, noticeable opaque minerals Compressive strength: no reading

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Formation	Depth in feet	Thickness in feet	Description
Sedley	14.0-16.0	2	Sand - laminated dark-yellowish-tan and reddish-brown, fine 14.0'-15.0' - 10 blows per foot 15.0'-16.0' - 3 blows per foot Compressive strength: no reading
	16.0-18.0	2	Sand - fine-to medium, clayey (30%), homogeneous, soft 16.0'-17.0' - 3 blows per foot 17.0'-18.0' - 4 blows per foot Compressive strength: no reading
	18.0-30.0	12	Flush Interval (Contact at 30.0 feet)
Yorktown	30.0-32.0	2	Flush Interval
	32.0-34.0	2	Clay - bluish-gray, fine-sandy, fossiliferous, mostly larger fragments (1 cm. Max.), some small forms 32.0'-33.0' - 11 blows per foot 33.0'-34.0' - 11 blows per foot Compressive strength: 0.8 ton per square foot (plastic)

