

County: Nansemond  
VDMR Well #1219

Well: V-66-9  
Property Owner: Roundtree Dairy Inc.  
Driller: Froehling and Robertson  
Location: North side of State Road 706, 1200 feet east of State Highway 106  
Altitude Top of Hole: 57.2 feet  
Total Depth: 32.0 feet  
Started Drilling: June 21, 1966  
Completed Drilling: June 21, 1966  
Sample Description by: N. K. Coch

GEOLOGIC SUMMARY

Depth	Thickness	Formation	Age
0.0'-30.0'	30'	Elberon	Middle Pleistocene
30.0'-32.0'	2'	Sedley	Pliocene ?

## GEOLOGIC LOG

Formation	Depth in feet	Thickness in feet	Description
Elberon	0.0-2.0	2	Sand - dark-yellowish-orange, medium, clayey, homogeneous 0.0'-1.0' - 4 blows per foot 1.0'-2.0' - 2 blows per foot Compressive strength: 1.7 tons per square foot
	2.0-4.0	2	Sand - gray and reddish-orange, laminated, clayey, overall color similar to above 2.0'-3.0' - 5 blows per foot 3.0'-4.0' - 11 blows per foot Compressive strength: 2.75 tons per square foot
	4.0-6.0	2	Sand - gray, tan, and orange, laminated, medium, trace coarse, red clay binder (about 15%) 4.0'-5.0' - 15 blows per foot 5.0'-6.0' - 19 blows per foot Compressive strength: 2.50 tons per square foot
	6.0-8.0	2	Sand - yellowish-tan, medium, trace coarse, with laminae of orange and gray clay. Barely cohesive 6.0'-7.0' - 31 blows per foot 7.0'-8.0' - 45 blows per foot Compressive strength: .5 ton per square foot
	8.0'-10.0'	2	Sand - gray, brownish-tan, and tan, laminated, medium-coarse, non-cohesive, slightly clayey (10%) Seems like only a very thin coating of clay on grains (secondary ?) 8.0'-9.0' - 32 blows per foot 9.0'-10.0' - 39 blows per foot Compressive strength: not taken

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Formation	Depth in feet	Thickness in feet	Description
Elberon	10.0-12.0	2	Sand - yellowish-tan with horizontal streaks of gray, medium-coarse 10.0'-11.0' - 21 blows per foot 11.0'-12.0' - 22 blows per foot Compressive strength: not taken
	12.0-14.0	2	Sand - tan, with laminae of gray and orange, medium, trace of clay 12.0'-13.0' - 16 blows per foot 13.0'-14.0' - 12 blows per foot
	14.0-16.0	2	Sand - gray, fine, trace medium (considerable finer than above) top 0.5 foot is clay, laminated (similar to V-2). Sand peppered with opaque minerals. 14.0'-15.0' - 13 blows per foot 15.0'-16.0' - 18 blows per foot
	16.0-18.0	2	Sand - gray, fine, trace medium, horizontal laminae of orange sand with slight trace of silt, opaque minerals sprinkled throughout 16.0'-17.0' - 17 blows per foot 17.0'-18.0' - 16 blows per foot Compressive strength: 2 tons per square foot
	18.0-20.0	2	Sand - laminated gray and orange, medium, speckled with opaque minerals, trace silt and clay, some gray silt in gray areas 18.0'-19.0' - 12 blows per foot 19.0'-20.0' - 10 blows per foot
	20.0-22.0	2	Sand - gray, fine, very-well-sorted, homogeneous, high percentage opaque minerals, grains fairly well rounded, some faint yellow laminae 20.0'-21.0' - 9 blows per foot 21.0'-22.0' - 9 blows per foot

## VDMR Well #1219

Formation	Depth in feet	Thickness in feet	Description
Elberon	22.0-24.0	2	Sand - brown, red, orange, tan, and gray, laminated, fine to medium, noticeable opaque minerals 22.0'-23.0' - 11 blows per foot 23.0'-24.0' - 14 blows per foot
	24.0-26.0	2	Sand - bright-orange with some gray laminae, fine, well sorted 24.0'-25.0' - 9 blows per foot 25.0'-26.0' - 24 blows per foot
	26.0-28.0	2	Sand - dark-brown, greenish-gray, and bright-orange, laminated, medium, trace coarse, slightly clayey (15%). Seems to be laminated gray sand and clay at bottom. 26.0'-27.0' - 10 blows per foot 27.0'-28.0' - 27 blows per foot
	28.0-30.0	2	Sand - orange and/or brown laminae, fine-to coarse, granules, slightly clayey (10%) 28.0'-29.0' - 35 blows per foot 29.0'-30.0' - 12 blows per foot
Sedley	30.0-32.0	2	Sand - dark-blue, fine-to medium, clayey, micaceous, homogeneous 30.0'-31.0' - 7 blows per foot 31.0'-32.0' - 4 blows per foot

