

County: Surry
VDMR Well #1961

Well: V-67-1
Property Owner: Bacons Castle Baptist Church
Driller: Froehling and Robertson
Location: 75 feet south of State Road 617, 0.1 mile east of intersection of
State Highway 10 and State Road 617
Altitude Top of Hole: 82.0 feet
Total Depth: 31.0 feet
Started Drilling: June 12, 1967
Completed Drilling: June 12, 1967
Sample Description by: N. K. Coch

GEOLOGIC SUMMARY

Depth	Thickness	Formation	Age
0.0'-15.5'	15.5'	Elberon	Middle Pleistocene
15.5'-25.5'	10.0'	Sedley	Pliocene ?
25.5' - 31.0'	5.5'	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 - pale-orange, fine-medium, 10 percent silt, homogeneous 4.0'-5.0' - 8 blows per foot 5.0'-6.0' - 14 blows per foot Compressive strength: 2.5 tons per square foot
	6.0-9.0	3	Flush Interval
	9.0-11.0	2	Sand - bright-orange, fine-medium 10 percent silt, tan and white areas at base of interval 9.0'-10.0' - 13 blows per foot 10.0'-11.0' - 18 blows per foot Compressive strength: no reading
	11.0-14.0	3	Flush Interval
	14.0-15.5	1.5	Sand - gray, medium-to coarse some granules, faintly laminated becomes dark orange with ferricrete crusts at base of interval 14.0'-15.5' - 6 blows per foot Compressive strength: no readings
Sedley	15.5-16.0	.5	Clay - gray, silty, with thin laminae of fine sandy silt 15.5'-16.0' - 2 blows per foot Compressive strength: 0.1 ton per square foot
	16.0-19.0	3	Flush Interval
	19.0-21.0	2	Silt - pale-bluish-gray, fine sandy, soft, homogeneous 19.0'-20.0' - Weight of Hammer 20.0'-21.0' - 2 blows per foot Compressive strength: 0.3 ton per square foot
	21.0-24.0	3	Flush Interval

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Formation	Depth in feet	Thickness in feet	Description
Sedley	24.0-25.5	1.5	Silt - bluish-gray, clayey, soft, homogeneous, grades down into thick ferricrete zone at base, reaction with HCl negative 24.0'-25.5' - 2 blows per foot Compressive strength: no reading
Yorktown	25.5-26.0	.5	Coquinite - dark-red, 20 percent silt, becomes orange at base 25.5'-26.0' - 5 blows per foot Compressive strength: 1.2 tons per square foot
	26.0-29.0	3	Flush Interval
	29.0-31.0	2	Coquinite - dark-orange, 20 percent silt, becomes gray at base 29.0'-30.0' - 10 blows per foot 30.0'-31.0' - 14 blows per foot Compressive strength: 1.2 tons per square foot

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