

County: Surry
VDMR Well #1971

Well: V-67-11
Property Owner: State, road right-of-way
Driller: Froehling and Robertson
Location: North side of State Road 627, 0.8 mile north of intersection of
State Highway 10 and State Road 627
Altitude Top of Hole: 60.0 feet
Total Depth: 51.0 feet
Started Drilling: June 16, 1967
Completed Drilling: June 16, 1967
Sample Description by: N. K. Coch

GEOLOGIC SUMMARY

Depth	Thickness	Formation	Age
0.0'-19.0'	19.0'	Elberon	Middle Pleistocene
19.0'-31.0'	12.0'	Sedley	Pliocene ?
31.0'-51.0'	20.0'	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 - dark-orange-brown, fine-medium, silty (20 percent), homogeneous 4.0'-5.0' - 16 blows per foot 5.0'-6.0' - 16 blows per foot Compressive strength: 4.25 tons per square foot
	6.0-9.0	3	Flush Interval
	9.0-11.0	2	Sand - reddish-brown, medium-coarse, 10 percent silt, homogeneous 9.0'-10.0' - 21 blows per foot 10.0'-11.0' - 26 blows per foot Compressive strength: 1.7 tons per square foot
	11.0-14.0	3	Flush Interval
	14.0-16.0	2	Sand - orange, medium-coarse, 15 percent silt, some streaks of gray 14.0'-15.0' - 20 blows per foot 15.0'-16.0' - 24 blows per foot Compressive strength: 1.5 tons per square foot
Sedley	16.0-19.0	3	Flush Interval
	19.0-21.0	2	Silt - orange, 40 percent sand, interlaminated, fine clay, gray, silty 19.0'-20.0' - 8 blows per foot 20.0'-21.0' - 6 blows per foot Compressive strength: .75 ton per square foot
	21.0-24.0	3	Flush Interval

VDMR Well #1971

Formation	Depth in feet	Thickness in feet	Description
Sedley	24.0-26.0	2	Silt - dark reddish-brown, sandy, very-fine, some very-thin gray laminae and black bands 24.0'-25.0' - 4 blows per foot 25.0'-26.0' - 7 blows per foot Compressive strength: 0.9 ton per square foot
	26.0-29.0	3	Flush Interval
	29.0-31.0	2	Silt - dark-orange-brown, trace sand, some gray streaks, soft 29.0'-30.0' - 2 blows per foot 30.0'-31.0' - 2 blows per foot Compressive strength: no reading
Yorktown	31.0-34.0	3	Flush Interval
	34.0-36.0	2	Silt - orange and brown, trace sand, highly fossiliferous, shell fragments, calcareous concretions, becomes brownish-gray at base 34.0'-35.0' - 6 blows per foot 35.0'-36.0' - 7 blows per foot Compressive strength: no reading
	36.0-39.0	3	Flush Interval
	39.0-41.0	2	Silt - pale-greenish-gray, trace sand, laminated, shelly (5 percent) calcareous matrix 39.0'-40.0' - 8 blows per foot 40.0'-41.0' - 9 blows per foot Compressive strength: 1.0 ton per square foot
	41.0-44.0	3	Flush Interval
	44.0-46.0	2	Sand - greenish-gray, silty, fine-medium, shelly, small fragments and broken large shells, much coarser than 39.0'-41.0' interval 44.0'-45.0' - 10 blows per foot 45.0'-46.0' - 17 blows per foot Compressive strength: 1.6 tons per square foot

VDMR Well #1971

Formation	Depth in feet	Thickness in feet	Description
Yorktown	46.0-49.0	3	Flush Interval
	49.0-51.0	2	Sand - greenish-gray, medium, silty, very shelly, shells partially decomposed 49.0'50.0' - 10 blows per foot 50.0'-51.0' - 14 blows per foot Compressive strength: 0.9 ton per square foot

INTERVAL SHEET

Page 1 of 1

VDMR Well No: 1971

Date rec'd: 9/19/67

Sample Interval: from 4 to: 51

PROP: State Right of Way
Well V-67-11

Number of samples: 10

COMP: Froehling and Robertson

Total Depth: 51'

COUNTY: Surry

Oil or Gas: Water: Exploratory: X

From-To	From-To	From-To	From-To
4 - 6	-	-	-
9 - 11	-	-	-
14 - 16	-	-	-
19 - 21	-	-	-
24 - 26	-	-	-
29 - 31	-	-	-
34 - 36	-	-	-
39 - 41	-	-	-
44 - 46	-	-	-
49 - 51	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

All intervals have both washed and unwashed samples

-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-