

County: Isle of Wight  
VDMR Well #1991

Well: V-67-31

Property Owner: Mrs. W. W. Gwaltney

Location: 1.0 mile southeast of State Highway 10, on Farm Road. Farm road is 1.3 miles northwest of intersection of State Highway 10 and State Road 674

Driller: Froehling and Robertson

Altitude Top of Hole: 54.5 feet

Total Depth: 51.0 feet

Started Drilling: June 27, 1967

Completed Drilling: June 27, 1967

Sample Description by: N. K. Coch

### GEOLOGIC SUMMARY

Depth	Thickness	Formation	Age
0.0'-32.0'	32.0'	Norfolk	Late Pleistocene
32.0'-44.0'	12.0'	Sedley	Pliocene ?
44.0'-51.0'	7.0'	Yorktown	Late Miocene

## GEOLOGIC LOG

Formation	Depth in feet	Thickness in feet	Description
Norfolk	0.0-4.0	4	Flush Interval
	4.0-6.0	2	Sand - dark-reddish-orange, fine-medium, trace coarse, homogeneous 4.0'-5.0' - 14 blows per foot 5.0'-6.0' - 17 blows per foot Compressive strength: 2.3 tons per square foot
	6.0-9.0	3	Flush Interval
	9.0-11.0	2.	Clay - gray, silty; and interlaminated sand, orange, red crusts, fine-medium 9.0'-10.0' - 14 blows per foot 10.0'-11.0' - 17 blows per foot Compressive strength: 1.8 tons per square foot
	11.0-14.0	3	Flush Interval
	14.0-16.0	2	Sand - gray, medium, 25 percent silt, orange and red mottling 14.0'-15.0' - 11 blows per foot 15.0'-16.0' - 15 blows per foot Compressive strength: 1.4 tons per square foot
	16.0-19.0	3	Flush Interval
	19.0-21.0	2	Sand - pale-orange, medium-coarse, well-sorted, trace of silt, trace granules 19.0'-20.0' - 9 blows per foot 20.0'-21.0' - 13 blows per foot Compressive strength: 0.5 ton per square foot
	21.0-24.0	3	Flush Interval

## VDMR Well #1991

Formation	Depth in feet	Thickness in feet	Description
Norfolk	24.0-26.0	2	Sand - pale orange, medium-coarse, well-sorted, trace of silt 24.0'-25.0' - 5 blows per foot 25.0'-26.0' - 13 blows per foot Compressive strength: no reading
	26.0-29.0	3	Flush Interval
	29.0-31.0	2	Sand - orange-red, laminated, coarse and clay, pale tan, silty 29.0'-30.0' - 6 blows per foot 30.0'-31.0' - 10 blows per foot Compressive strength: 0.75 ton per square foot
	31.0-32.0	1	Flush Interval
Sedley	32.0-34.0	2	Flush Interval
	34.0-36.0	2	Silt - dark-brick-red, black areas, ferricrete crusts 34.0'-35.0' - 6 blows per foot 35.0'-36.0' - 8 blows per foot Compressive strength: 1.3 tons per square foot
	36.0-39.0	3	Flush Interval
	39.0-41.0	2	Similar to 34.0'-46.0' interval but more ferricrete crusts 39.0'-40.0' - 4 blows per foot 40.0'-41.0' - 6 blows per foot Compressive strength: 1.0 ton per square foot
	41.0-44.0	3	Flush Interval
Yorktown	44.0-46.0	2	Silt - pale-brown, finely-laminated, some partially decomposed shells, some green areas, matrix calcareous 44.0'-45.0' - 5 blows per foot 45.0'-56.0' - 7 blows per foot Compressive strength: 3.0 tons per square foot
	46.0-49.0	3	Flush Interval

Formation	Depth in feet	Thickness in feet	Description
Yorktown	49.0-51.0	2	Silt - blue, finely laminated, some large decomposed shells, sponge spicules, echinoid plates 49.0'-50.0' - 5 blows per foot 50.0'-51.0' - 11 blows per foot Compressive strength: 1.4 tons per square foot

INTERVAL SHEET

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VDMR Well No: 1991

Date rec'd: 9/27/67

Sample Interval: from 4 to: 51

PROP: Mrs. W. W. Gwaltney  
Well V-67-31

Number of samples: 10

COMP: Froehling and Robertson

Total Depth: 51'

COUNTY: Isle of Wight

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

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