

County: Isle of Wight
VDMR Well #1984

Well: V-67-24

Property Owner: State, road right-of-way

Driller: Froehling and Robertson

Location: North side of State Road 626, 0.2 mile east of intersection of State
Road 626 and State Road 627

Altitude Top of Hole: 84.1 feet

Total Depth: 61.0 feet

Started Drilling: June 23, 1967

Completed Drilling: June 23, 1967

Sample Description by: N. K. Coch

GEOLOGIC SUMMARY

| Depth | Thickness | Formation | Age |
|-------------|-----------|-----------|--------------------|
| 0.0'-27.0' | 27.0' | Elberon | Middle Pleistocene |
| 27.0'-57.0' | 30.0' | Sedley | Pliocene ? |
| 57.0'-61.0' | 4.0' | 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 | Clay - purplish-gray, sandy (45 percent), medium-to coarse, trace of granules, minor orange mottling, compact, homogeneous 4.0'-5.0' - 12 blows per foot 5.0'-6.0' - 14 blows per foot Compressive strength: 2.8 tons per square foot |
| | 6.0-9.0 | 3 | Flush Interval |
| | 9.0-11.0 | 2 | Sand - white, fine-medium, trace of coarse, silty, orange mottling, possible laminated 9.0'-10.0' - 9 blows per foot 10.0'-11.0' - 10 blows per foot Compressive strength: 1.3 tons per square foot |
| | 11.0-14.0 | 3 | Flush Interval |
| | 14.0-16.0 | 2 | Sand - grayish-white, medium-coarse, trace of granules, high percentage opaque minerals, trace of silt 14.0'-15.0' - 4 blows per foot 15.0'-16.0' - 3 blows per foot Compressive strength: no reading |
| | 16.0-19.0 | 3 | Flush Interval |
| | 19.0-21.0 | 2 | Sand - gray, coarse, some granules, dark layers composed of organic material and wood bark 19.0'-20.0' - 5 blows per foot 20.0' -21.0' - 8 blows per foot Compressive strength: no reading |
| | 21.0-24.0 | 3 | Flush Interval |
| | 24.0-26.0 | 2 | Similar to 19.0'-21.0' interval but much higher percentage of twigs and bark 24.0'-25.0' - 2 blows per foot 25.0'-26.0' - 6 blows per foot Compressive strength: no reading |

VDMR Well #1984

| Formation | Depth in feet | Thickness in feet | Description |
|-----------|-------------------------|-------------------|--|
| Elberon | 26.0-27.0 | 1 | Flush Interval |
| Sedley | 27.0-29.0 | 2 | Flush Interval |
| | 29.0-31.0 | 2 | Silt - dark-gray, laminated and sand, dark-bluish-gray, fine-medium, trace of silt 29.0 ¹ -30.0 ¹ - 4 blows per foot 30.0 ¹ -31.0 ¹ - 9 blows per foot Compressive strength: no reading |
| | 31.0-34.0 | 3 | Flush Interval |
| | 34.0-36.0 | 2 | Sand - medium-gray, laminated, fine-medium, and silt, gray, plastic, bright-green specks 34.0 ¹ -35.0 ¹ - 3 blows per foot 35.0 ¹ -36.0 ¹ - 4 blows per foot Compressive strength: no reading |
| | 36.0-39.0 | 3 | Flush Interval |
| | 39.0 ¹ -41.0 | 2 | Sand - pale-greenish-gray, fine-medium, homogeneous 39.0 ¹ -40.0 ¹ - 2 blows per foot 40.0 ¹ -41.0 ¹ - 3 blows per foot Compressive strength: 0.5 ton per square foot |
| | 41.0-44.0 | 3 | Flush Interval |
| | 44.0-46.0 | 2 | Silt - blue, very-fine, sandy, laminated and sand, dark-gray, silty 44.0 ¹ -45.0 ¹ - 2 blows per foot 45.0 ¹ -46.0 ¹ - 3 blows per foot Compressive strength: 0.3 ton per square foot |
| | 46.0-49.0 | 3 | Flush Interval |
| | 49.0-51.0 | 2 | Sand - bluish-gray, fine, trace medium, faintly laminated 49.0 ¹ -50.0 ¹ - 2 blows per foot 50.0 ¹ -51.0 ¹ - 4 blows per foot Compressive strength: 0.4 ton per square foot |

VDMR Well #1984

| Formation | Depth in feet | Thickness in feet | Description |
|-----------|---------------|-------------------|--|
| Sedley | 51.0-54.0 | 3 | Flush Interval |
| | 54.0-56.0 | 2 | Similar to 49.0'-51.0' interval 54.0'-55.0' - 2 blows per foot 55.0'-56.0' - 2 blows per foot Compressive strength: no reading |
| | 56.0-57.0 | 1 | Flush Interval |
| Yorktown | 57.0-59.0 | 2 | Flush Interval |
| | 59.0-61.0 | 2 | Silt - bluish-gray, highly fossiliferous, decomposed shells common 59.0'-60.0' - 11 blows per foot 60.0'-61.0' - 15 blows per foot Compressive strength: 1.5 tons per square foot |

INTERVAL SHEET

Page 1 of 1

VDMR Well No: 1984

Date rec'd: 9/25/67

Sample Interval: from 4 to: 61

PROP: State Right of Way
Well V-67-24

Number of samples: 12

COMP: Froehling and Robertson

Total Depth: 61'

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 | - | - | - |
| - | - | - | - |
| 54 - 56 | - | - | - |
| - | - | - | - |
| 59 - 61 | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |

All intervals have both washed and unwashed samples