County: Isle of Wight
VDMR Well #1975

Well: V-67-15
Property Owner: State, road right-of-way
Driller: Froehling and Robertson
Location: North side of State Road 621, 1.1 miles west of intersection of State Road 621 and State Road 627
Altitude Top of Hole: 87.1 feet
Total Depth: 61 feet
Started Drilling: June 19, 1967
Completed Drilling: June 19, 1967
Sample Description by: N. K. Coch

## GEOLOGIC SUMMARY

| Depth | Thickness | Formation | Age |
|---|---|---|---|
| 0.0'-19.0' | 19.0' | Elberon | Middle Pleistocene |
| 19.0'-27.0' | 8.0' | Sedley | Pliocene? |
| 27.0'-61.0' | 34.0' | Yorktown | Late Miocene |

VDMR Well #1975

## GEOLOGIC LOG

| Formation | Depth in feet | Thickness in feet | Description |
|---|---|---|---|
| Elberon | 0.0-4.0 | 4.0 | Flush Interval |
| | 4.0-6.0 | 2.0 | Sand - purplish-gray, medium-coarse, 2 percent silt, tan mottling<br>4.0'-5.0' - 8 blows per foot<br>5.0'-6.0' - 13 blows per foot<br>Compressive strength: 1.7 tons per square foot |
| | 6.0-9.0 | 3.0 | Flush Interval |
| | 9.0-11.0 | 2.0 | Sand - pale-gray, medium-coarse, 10 percent silt, trace of granules, some thick silt laminae<br>9.0'-10.0' - 7 blows per foot<br>10.0'-11.0' - 8 blows per foot<br>Compressive strength: 0.75 ton per square foot |
| | 11.0-14.0 | 3.0 | Flush Interval |
| | 14.0-16.0 | 2.0 | Sand - orange, medium-coarse, trace of granules, some thin laminae of gray silt<br>14.0'-15.0' - 2 blows per foot<br>15.0'-16.0' - 2 blows per foot<br>Compressive strength: no reading |
| | 16.0-19.0 | 3.0 | Flush Interval |
| Sedley | 19.0-21.0 | 2.0 | Silt - dark-red-orange, trace fine sand, trace coarse sand. Sharp contact in upper most part of sample with material similar to 14.0'-16.0' interval but better sorted<br>19.0'-20.0' - 6 blows per foot<br>20.0'-21.0' - 10 blows per foot<br>Compressive strength: 1.75 tons per square foot |
| | 21.0-24.0 | 3.0 | Flush Interval |

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| Formation | Depth in feet | Thickness in feet | Description |
|---|---|---|---|
| Sedley (con't) | 24.0-26.0 | 2.0 | Silt - greenish-gray, trace fine sand, some very-thin sand laminae<br>24.0'-25.0' - 2 blows per foot<br>25.0'-26.0' - 4 blows per foot<br>Compressive strength: 0.25 ton per square foot |
| | 26.0-27.0 | 1.0 | Flush Interval |
| Yorktown | 27.0-29.0 | 2.0 | Flush Interval |
| | 29.0-31.0 | 2.0 | Silt - medium-bluish-gray, very-fine-sandy, very-fine shell fragments in matrix, some decomposed shells on laminae<br>29.0'-30.0' - 2 blows per foot<br>30.0'-31.0' - 7 blows per foot<br>Compressive strength: 1.0 ton per square foot |
| | 31.0-34.0 | 3.0 | Flush Interval |
| | 34.0-36.0 | 2.0 | Sand - medium-bluish-gray, 20 percent silt, abundant small decomposed shell fragments<br>34.0'-35.0'-8 blows per foot<br>35.0'-36.0'-13 blows per foot<br>Compressive strength: 1.2 tons per square foot |
| | 36.0-39.0 | 3.0 | Flush Interval |
| | 39.0-41.0 | 2.0 | Similar to 34.0'-36.0' interval but very-fine specks of shell matter in matrix<br>39.0'-40.0' - 8 blows per foot<br>40.0'-41.0' - 11 blows per foot<br>Compressive strength: 0.75 tons per square foot |
| | 41.0-44.0 | 3.0 | Flush Interval |
| | 44.0-46.0 | 2.0 | Similar to 34.0'-36.0' interval<br>44.0'-45.0' - 7 blows per foot<br>45.0'-46.0' - 11 blows per foot<br>Compressive strength: 1.7 tons per square foot |

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| Formation | Depth in feet | Thickness in feet | Description |
|---|---|---|---|
| Yorktown | 46.0-51.0 | 5 | Flush Interval |
| | 51.0-54.0 | 3 | Flush Interval |
| | 54.0-56.0 | 2 | Similar to 34.0'-36.0' interval but more whole shells and more silt (25 percent)<br>54.0'-55.0' - 8 blows per foot<br>55.0'-56.0' - 13 blows per foot<br>Compressive strength: 1.35 tons per square foot |
| | 56.0-59.0 | 3 | Flush Interval |
| | 59.0-61.0 | 2 | Silt - pale-bluish-gray, sandy, highly fossiliferous (80 percent) contact at top of interval with material similar to 54.0'-56.0' interval<br>59.0'-60.0' - 11 blows per foot<br>60.0'-61.0' - 7 blows per foot<br>Compressive strength: 0.7 ton per square foot |

# INTERVAL SHEET

Page 1 of 1

VDMR Well No: 1975

Date rec'd: 9/20/67

Sample Interval: from 4 to: 61

PROP: Union Camp Bag Co.
Well V-67-15

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