

Well: V-66-4
Property Owner: W. W. Wells
Driller: Froehling and Robertson
Location: 75 feet north of State Road 601, and 75 feet east of State Highway 10
Altitude Top of Hole: 67.5 feet
Total Depth: 57.0 feet
Started Drilling: June 14, 1966
Completed Drilling: June 14, 1966
Sample Description by: N. K. Coch

GEOLOGIC SUMMARY

| Depth | Thickness | Formation | Age |
|-------------|-----------|-----------|--------------------|
| 0.0'-19.0' | 19' | Elberon | Middle Pleistocene |
| 19.0'-50.0' | 31' | Sedley | Pliocene ? |
| 50.0'-57.0' | 7' | Yorktown | Late Miocene |

GEOLOGIC LOG

| Formation | Depth in feet | Thickness in feet | Description |
|-----------|---------------|-------------------|--|
| Elberon | 0.0-2.0 | 2 | Sand - orange-tan with some tan mottling, clayey 0.0'-1.0' - 6 blows per foot 1.0'-2.0' - 8 blows per foot |
| | 2.0'-4.0 | 2 | Clay - orange-red, sandy, gray streaks (silt ?) 2.0'-3.0' - 15 blows per foot 3.0'-4.0' - 21 blows per foot |
| | 4.0-6.0 | 2 | Sand - orange-tan with laminae of gray, orange, and brick red, clayey (Cross Creek facies). Clay coating on grains may be secondary. 4.0'-5.0' - blows per foot 5.0'-6.0' - blows per foot |
| | 6.0-8.0 | 2 | Sand - gray, medium-coarse, orange-tan, and reddish-tan mottling (Elberon Formation ?) 6.0'-7.0' - 29 blows per foot 7.0'-8.0' - 33 blows per foot |
| | 8.0-10.0 | 2 | Sand - grayish-tan, medium, trace of coarse sand 8.0'-9.0' - 27 blows per foot 9.0'-10.0' - 21 blows per foot |
| | 10.0-12.0 | 2 | Sand - orange-tan, fine-medium, slightly clayey (10-15 percent), some laminae of gray silt 10.0'-11.0' - 18 blows per foot 11.0'-12.0' - 16 blows per foot |
| | 12.0-14.0 | 2 | Sand - orange, medium-coarse, laminated, contains clay and thin streaks of gray silt. Clay coatings on grains may be secondary. 12.0'-13.0' - 12 blows per foot 13.0'-14.0' - 8 blows per foot |

VDMR Well #1214

| Formation | Depth in feet | Thickness in feet | Description |
|-----------|---------------|-------------------|--|
| Elberon | 14.0-16.0 | 2 | Sand - orange-tan, medium, trace of silt 14.0'-15.0' - 9 blows per foot 15.0'-16.0' - 6 blows per foot |
| | 16.0-19.0 | 3 | Flush Interval (Contact at 19.0' very sharp) |
| Sedley | 19.0-21.0 | 2 | Silt - bluish-gray, very-finely laminated, with stringers of well washed, fine-medium sand 19.0'-20.0' - 4 blows per foot 20.0'-21.0' - 5 blows per foot |
| | 21.0-24.0 | 3 | Flush Interval |
| | 24.0-26.0 | 2 | Sand - light-bluish-gray, medium, slightly clayey 24.0'-25.0' - 24 blows per foot 25.0'-26.0' - 17 blows per foot |
| | 26.0-29.0 | 3 | Flush Interval |
| | 29.0-31.0 | 2 | Sand - similar to 24.0'-26.0' interval but contains laminae of bluish-gray silt 29.0'-30.0' - 4 blows per foot 30.0'-31.0' - 7 blows per foot |
| | 31.0-38.0 | 7 | Flush Interval |
| | 38.0-40.0 | 2 | Sand - similar to above; laminated bluish-gray silt and dark-blue sand with 20 percent silt |
| | 40.0-50.0 | 10 | Flush Interval-sharp change in compaction 50 feet |
| Yorktown | 50.0-55.0 | 5 | Flush Interval |
| | 55.0-57.0 | 2 | Silt - bluish-gray, clayey, highly fossiliferous, small fragments and whole forms |

VIRGINIA DIVISION OF MINERAL RESOURCES
Box 3667, Charlottesville, VA 22903

INTERVAL SHEET

Page 1 of 1 Well Repository No: 1214
Date rec'd: 8/2/66 Sample Interval: from 0 to: 57
PROPERTY: Coch V-4 Number of samples: 13
COMPANY: Froehling & Robertson Total Depth: 57
COUNTY: Nansemond Oil or Gas: Water: Exploratory: X

| From - To | From - To | From - To | From - To |
|-----------|-----------|-----------|-----------|
| 0 - 2 | - | - | - |
| 2 - 4 | - | - | - |
| 4 - 6 | - | - | - |
| 6 - 8 | - | - | - |
| 8 - 10 | - | - | - |
| 10 - 12 | - | - | - |
| 12 - 14 | - | - | - |
| 14 - 16 | - | - | - |
| 19 - 21 | - | - | - |
| 24 - 26 | - | - | - |
| 29 - 31 | - | - | - |
| 38 - 40 | - | - | - |
| 55 - 57 | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |

All intervals have both washed and unwashed samples