County: Nansemond VDMR Well #1216

Well: V-66-6

Property Owner: City of Norfolk Driller: Froehling and Robertson

Location: Center of abandoned borrow pit, 200 feet west of State Highway 10,

0.45 mile northeast of State Road 634

Altitude Top of Hole: 17.7 feet

Total Depth: 36.0 feet

Started Drilling: June 16, 1966 Completed Drilling: June 16, 1966 Sample Description by: N. K. Coch

GEOLOGIC SUMMARY

| Depth | Thickness | Formation | Age |
|-------------|-----------|-----------|--------------------|
| 0.01-13.01 | 131 | Elberon | Middle Pleistocene |
| 13.01-25.01 | 121 | Sedley | Pliocene ? |
| 25.01-36.01 | 11; | Yorktown | Late Miocene |

VDMR Well #1216

| | | GEOLOGIC | VDMR Well #1216 |
|-----------|---------------|-------------------|---|
| Formation | Depth in feet | Thickness in feet | Description |
| Elberon | 0.0-4.0 | 4 | Flush Interval |
| | 4.0-6.0 | 2 | Sand - dark-orange, medium, well-sorted, 10 percent silt, trace of granules 4.0'-5.0' - 21 blows per foot 5.0'-6.0' - 28 blows per foot |
| | 6.0-9.0 | 3 | Flush Interval |
| | 9.0-11.0 | 2 | Sand - yellowish-tan, white streaks, medium, well-sorted, laminated, |
| | | | abundant, opaque minerals 9.0'-10.0' - 26 blows per foot 10.0'-11.0' - 31 blows per foot |
| | 11.0-13.0 | 2 | Flush Interval |
| Sedley | 13.0-14.0 | 1 | Flush Interval |
| | 14.0-16.0 | 2 | Sand - dark-bluish-gray, silty, homogeneous 14.0:-15.0: - 3 blows per foot 15.0:-16.0: - 3 blows per foot |
| | 16.0-19.0 | 3 | Flush Interval |
| | 19.0-21.0 | 2 | Sand - dark-bluish-gray, fine to medium, micaceous, homogeneous 19.0:-20.0: - 3 blows per foot 20.0:-21.0: - 4 blows per foot |
| | 21.0-25.0 | 4 | Flush Interval (Contact at 25.01) |
| Yorktown | 25.0-27.0 | 2 | Sand - greenish-gray, very-fine, trace of silt, fine white specks and what may be decomposed shell. Sediment very brittle (compact, firm), greenish color caused by more glauconite 25.01-26.01 - 55 blows per foot 26.01-27.01 - 83 blows per foot |

VDMR Well #1216

| Formation | Depth in feet | Thickness in feet | Description |
|-----------|---------------|-------------------|--|
| Yorktown | 27.0-31.0 | 4 | Flush Interval (Shell fragments, echinoid plates, and <u>Turritella</u>) |
| | 31.0-34.0 | 3 | Flush Interval |
| | 34.0-36.0 | 2 | Silt - greenish-blue, fine-sandy, fossiliferous, good bedding-plane fabric of shell. 34.01-35.01 - 17 blows per foot 35.01-36.01 - 27 blows per foot |

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

INTERVAL SHEET

| Page 1 | .//of 1 | Well Repository No: 1216 |
|-------------|-----------------------|--------------------------------|
| Date recid: | 8/2/66 | Sample Interval: from 4 to: 36 |
| PROPERTY: | Coch V-6 | Number of samples: 6 |
| COMPANY: | Froehling & Robertson | Total Depth: 36 |
| | | |

COUNTY:

Nansemond

Oil or Gas: Water:

Exploratory: X

| From - To | From - To | From - To | From - To |
|---|---------------------------------------|---------------------------------------|----------------|
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All intervals have both washed and unwashed samples