

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:
Box 3667
Charlottesville, VA 22903

DIVISION OF MINERAL RESOURCES
JAMES L. CALVER, COMMISSIONER
WATER WELL COMPLETION REPORT

OFFICE ADDRESS:
McCormick Road
Charlottesville, Virginia

OWNER: Wicker, W. A. & Esther Mailing Address: Route 3, Box 66
Montross, VA

TENANT: _____ Mailing Address: _____

DRILLER: Douglas Drilling Co., Inc. Mailing Address: Box 498
Warsaw, VA 22572

WELL LOCATION: County Westmoreland Approx. .1 ~~XXXX~~ miles northwest (direction) of _____
Pt. on Machodoc Creek and 1 ~~XXXX~~ miles southwest (direction) of Tidwells intersection 621 & 650

(GIVE DIRECTION AND DISTANCE IN FEET OR MILES FROM TWO REFERENCE POINTS - ROADS, TOWNS, RIVERS, ETC. - ON COUNTY HIGHWAY OR OTHER MAP.)

DATE STARTED: _____ DATE COMPLETED: December 20, 1979

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 220 feet

WATER LEVEL: Stands 25 feet below surface OR 165700 x 2532100
has NATURAL flow of -- gallons per minute.

YIELD TEST: Method Air
Drawdown 35 feet
Rate 20 gal. per min.
Duration 2 hrs., _____ min.

HOLE SIZE: 9 inches from 0 to 53 feet
6 1/2 inches from 53 to 126 feet
3-7/8 inches from 126 to 220 feet

WATER ZONES: from _____ to _____ feet
from _____ to _____ feet
from 204 to 214 feet

SCREEN SIZE: _____ inches from _____ to _____ feet
Galvanized 2 inches from 204 to 214 feet
Screen _____ inches from _____ to _____ feet

WATER: Color _____ Taste _____
Odor _____ Temp. _____ °F

CASE SIZE: 4 inches from 0 to 126 feet
2 inches from 126 to 204 feet
2 inches from 214 to 220 feet

WELL TO SUPPLY: (check one) Home _____
Farm _____ Town _____ School _____
Industry _____ Other Small Oyster House

GROUTING: Method Tremmie Pipe and Pump
Material Neat Cement Depth 53 feet

WATER ANALYSIS AVAILABLE: Yes _____ No X

PUMP: Type Meyers Submersible S2H51-58
Capacity 20 gal per min
Depth of intake 84 feet

DRILL CUTTINGS SAVED: Yes X No _____

(DRILL CUTTINGS SHOULD BE COLLECTED AT 10 FOOT INTERVALS. THESE SAMPLES MAY BE SHIPPED TO THIS OFFICE EXPRESS COLLECT. SAMPLE BAGS ARE FURNISHED FREE OF CHARGE UPON REQUEST.)

REMARKS: This is a class II B Well of materials and construction as per specifications of VA Health Dept. bulletin "Drilled Wells for Public Water Supply 1970." Copy of this report sent to VA State Water Control Board, Owner, and Bureau of Shellfish Sanitation. Date April 22, 1980
Drill cuttings await normal State pickup at office.

LOG

FURNISHED BY: Douglas Drilling Co., Inc.

DATE: December 20, 1977

| DEPTH (feet) | | TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.) | REMARKS (water, caving, shot, screen, sample, etc.) |
|-----------------|-----|--|--|
| FROM | TO | | |
| 0 | 10 | brown and white - fine sand mixed with light grey clay | |
| 10 | 21 | brown and light grey - clay | |
| 21 | 31 | brown and light grey - clay | |
| 31 | 37 | brown - fine, medium and coarse sand and gravel of varying coarseness | |
| 37 | 42 | grey - clay mixed with some white shell | |
| 42 | 50 | grey - clay mixed with some white shell | |
| 50 | 63 | grey - clay | |
| 63 | 73 | grey - clay | |
| 73 | 84 | grey - clay | |
| 84 | 94 | grey - clay | |
| 94 | 105 | grey - clay | |
| 105 | 115 | grey - clay | |
| 115 | 126 | grey - clay | |
| 126 | 136 | grey - clay | |
| 136 | 147 | grey - clay | |
| 147 | 157 | grey - clay | |
| 157 | 168 | grey - clay | |
| 168 | 178 | grey - clay | |
| 178 | 189 | black and grey - fine sand, white shell and grey clay | |
| 189 | 199 | black and grey - fine sand, white shell and grey clay | |
| 199 | 210 | grey and black - hard shell, fine, med. and coarse grey sand - some black | |
| 210 | 220 | grey and black - fine, med. and coarse grey sand, fine black sand; some grey and white shell | |

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

INTERVAL SHEET

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Well Repository No.: C-205
 W-5975

Date rec'd: 7-18-80 Date Processed: 11-13-80

Sample Interval: from 0 to: 220

PROPERTY: W. A. Wicker

Number of samples: 22

COMPANY: Douglas Drilling Co., Inc.

Total Depth: 220

COUNTY: Westmoreland (Tidwells)

Oil or Gas: Water: X Exploratory:

| From-To | From-To | From-To | From-To | From-To |
|-----------|---------|---------|---------|---------|
| 0 - 10 | - | - | - | - |
| 10 - 21 | - | - | - | - |
| 21 - 31 | - | - | - | - |
| 31 - 37 | - | - | - | - |
| 37 - 42 | - | - | - | - |
| 42 - 50 | - | - | - | - |
| 50 - 63 | - | - | - | - |
| 63 - 73 | - | - | - | - |
| 73 - 84 | - | - | - | - |
| 84 - 94 | - | - | - | - |
| 94 - 105 | - | - | - | - |
| 105 - 115 | - | - | - | - |
| 115 - 126 | - | - | - | - |
| 126 - 136 | - | - | - | - |
| 136 - 147 | - | - | - | - |
| 147 - 157 | - | - | - | - |
| 157 - 168 | - | - | - | - |
| 168 - 178 | - | - | - | - |
| 178 - 189 | - | - | - | - |
| 189 - 199 | - | - | - | - |
| 199 - 210 | - | - | - | - |
| 210 - 220 | - | - | - | - |
| - | - | - | - | - |
| - | - | - | - | - |
| - | - | - | - | - |
| - | - | - | - | - |
| - | - | - | - | - |
| - | - | - | - | - |
| - | - | - | - | - |
| - | - | - | - | - |
| - | - | - | - | - |
| - | - | - | - | - |
| - | - | - | - | - |

Owner: W. A. Wicker
Driller: Douglas Drilling Co., Inc.
County: Westmoreland

W# - 5975
C# - 205
Total Depth: 220'
Quad: Machodoc
Elev: 15'

Depth
(feet)

WELL LOG

- 0-10 Sand - grayish orange (10 YR 7/4); abundant clay; fine to granule, sub-angular, moderate sorting.
- 10-31 Clay - very pale orange (10 YR 8/2); moderate sand, fine to medium, sub-angular, moderate sorting.
- 31-37 Gravel - light yellowish brown (10 YR 6/4); moderate clay; fine to pebble, subangular and subrounded, poorly sorted; rose quartz.
- 37-42 Sand - light olive gray (5 Y 6/1); abundant clay; fine to very coarse, subangular and rounded; rare phosphate fragments; 10% fine shell fragments.
- 42-63 Sand - light olive gray (5 Y 6/1); abundant clay; fine to very coarse with large pebbles (15-20 mm.), subangular and rounded, poorly sorted; rare phosphate fragments; 5% shell fragments.
- 63-73 Sand - olive gray (5 Y 4/1); abundant clay; very fine to very coarse, angular and subangular, poor sorting; 1% fine shell fragments; 10% mica.
- 73-178 Clay - light olive gray (5 Y 6/1) and (5 Y 5/1) from 105 to 126'; moderate sand, sparse at 126-136'; very fine to coarse with some larger grains at various levels, subangular, moderate sorting; very rare glauconite/shell fragments; foram - Robulus at 126-136'; diatoms.
- 178-199 Sand - light olive gray (5 Y 6/1), abundant to moderate clay; very fine to coarse with granules, subangular, moderate sorting; 20% phosphate fragments and nodules; 5% shell fragments; forams - Robulus (L); very small shark tooth.
- 199-220 Sand - light olive gray (5 Y 6/1); sparse clay; medium to granule, sub-angular, poor sorting; 20% glauconite; 10% shell fragments; forams; coral; garnet.

Logged by: J. K. Polzin
November 22, 1980