

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W-3117
C-212
OFFICE ADDRESS:
McCormick Road
Charlottesville, Virginia

MAILING ADDRESS:
Box 3667
Charlottesville, VA 22903

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

OWNER: Tidewater Virginia Properties Mailing Address: P. O. Box 1725 Newport News, VA

TENANT: Graymor Estates Mailing Address: _____

DRILLER: Sydnor Hydrodynamics, Inc. Mailing Address: 3110 Magnolia St. Richmond, Va.

WELL LOCATION: County Isle of Wight Approx. 5/8 ~~feet~~ ^{miles} south (direction) of _____
James River and 700 ^{feet} ~~miles~~ west (direction) of Route 32 - 17

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

DATE STARTED: 9/9/70 DATE COMPLETED: 11/2/70

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 556 feet

WATER LEVEL: Stands _____ feet below surface OR

has NATURAL flow of _____ gallons per minute.
test hole

YIELD TEST: Method _____
(see attached reports)
Drawdown _____ feet
Rate _____ gal. per min.
Duration _____ hrs., _____ min.

HOLE SIZE: 9 7/8 inches from 0 to 556 feet
_____ inches from _____ to _____ feet

SCREEN SIZE: 4 inches from 460 to 480 feet
4 inches from 530 to 550 feet
_____ inches from _____ to _____ feet

WATER ZONES: from 460 to 480 feet
from 530 to 550 feet
from _____ to _____ feet

CASE SIZE: 6 inches from +1 to 355 feet
4 inches from 355 to 460 feet
4 inches from 480 to 530 feet

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

WELL TO SUPPLY: (check one) Home _____
Farm _____ Town _____ School _____
Industry _____ Other subdivision

GROUTING: Method _____
Material _____ Depth _____ feet

WATER ANALYSIS AVAILABLE: Yes X No _____

PUMP: Type _____
Capacity _____ gal. per min.
Depth of intake _____ feet

DRILL CUTTINGS SAVED: Yes 56 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: Well for sampling only - Materials to be removed

LOG

 FURNISHED BY: Sydnor Hydrodynamics, Inc.

 DATE: 11/19/70

| 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 sand | |
| 10 | 82 | Blue clay, shells | |
| 82 | 107 | Light gray clay | |
| 107 | 112 | Clay and sand streaks | |
| 112 | 148 | Fine sand, blue clay, some shells | |
| 148 | 174 | Shells, mud, some sand | |
| 174 | 197 | Fine gray and black sand, shells and mud | |
| 197 | 242 | Stiff, dark gray clay | |
| 242 | 250 | Dark gray clay, tough | |
| 250 | 272 | Fine gray sand, some shells | |
| 272 | 295 | Stiff, bleu clay, trace of shells | |
| 295 | 309 | Gray sand and shells | |
| 309 | 315 | Blue clay | |
| 315 | 336 | Tough blue clay, trace of shells, black sand | |
| 336 | 340 | Some form of shell, rock, and black sand | |
| 340 | 400 | Tough blue clay | |
| 400 | 406 | Sandy clay | |
| 406 | 424 | Gray sand, clay, and sand | |
| 424 | 430 | Blue clay | |
| 430 | 484 | Sand, clay, and sand | |
| 484 | 510 | Sand, clay | |
| 510 | 554 | Sand, some clay | |
| 554 | 556 | Sand, clay, mostly clay | |

(Use additional forms if necessary)

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

INTERVAL SHEET

C-212

Page 1 of 1 Well Repository No: 3117

Date rec'd: 10/19/70 ; processed 3/29/71 Sample Interval: from 0 to: 556'

PROPERTY: Tidewater Virginia Properties (Graymor Estates Test Well) Number of samples: 56

COMPANY: Sydnor Hydrodynamics, Inc. Total Depth: 556'

COUNTY: Isle of Wight (Bartlett) Oil or Gas: Water: Exploratory:

| From-To | From-To | From-To | From-To |
|-----------|-----------|-----------|---------|
| 0 - 10 | 250 - 260 | 500 - 510 | - |
| 10 - 20 | 260 - 270 | 510 - 520 | - |
| 20 - 30 | 270 - 280 | 520 - 530 | - |
| 30 - 40 | 280 - 290 | 530 - 540 | - |
| 40 - 50 | 290 - 300 | 540 - 550 | - |
| 50 - 60 | 300 - 310 | 550 - 556 | - |
| 60 - 70 | 310 - 320 | - | - |
| 70 - 80 | 320 - 330 | - | - |
| 80 - 90 | 330 - 340 | - | - |
| 90 - 100 | 340 - 350 | - | - |
| 100 - 110 | 350 - 360 | - | - |
| 110 - 120 | 360 - 370 | - | - |
| 120 - 130 | 370 - 380 | - | - |
| 130 - 140 | 380 - 390 | - | - |
| 140 - 150 | 390 - 400 | - | - |
| 150 - 160 | 400 - 410 | - | - |
| 160 - 170 | 410 - 420 | - | - |
| 170 - 180 | 420 - 430 | - | - |
| 180 - 190 | 430 - 440 | - | - |
| 190 - 200 | 440 - 450 | - | - |
| 200 - 210 | 450 - 460 | - | - |
| 210 - 220 | 460 - 470 | - | - |
| 220 - 230 | 470 - 480 | - | - |
| 230 - 240 | 480 - 490 | - | - |
| 240 - 250 | 490 - 500 | - | - |

All intervals have both washed and unwashed samples



OWNER: Tidewater Virginia Properties
(Graymor Estates Test Well)
DRILLER: Sydnor Hydrodynamics, Inc.
COUNTY: Isle of Wight (Bartlett)

VDMR # 3117
WWCR # 212
TOTAL DEPTH : 556'

GEOLOGIC SUMMARY

| <u>Depth (feet)</u> | <u>Rock Unit</u> | <u>Age</u> |
|-------------------------|--------------------------------------|------------------|
| 0-20 | Columbia | Pleistocene |
| 20-230 | Yorktown and St. Marys formations | Late Miocene |
| 230-330 | Calvert Formation | Middle Miocene |
| 330-490 | Mattaponi Formation | Paleocene |
| 490-556 | Patuxent Formation | Early Cretaceous |

Virginia Division of Mineral Resources
Robert H. Teifke - Geologist
April 20, 1971