

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W-4505
C-112

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

Comm. of Virginia

OWNER: Dept. of Highways and Transp. Mailing Address: 1221 E. Broad St., Richmond VA 23219

TENANT: _____ Mailing Address: _____

DRILLER: Sydnor Hydrodynamics, Inc. Mailing Address: 2111 Magnolia St., Richmond VA 23261

WELL LOCATION: County Caroline Approx. 1000 ^{feet} ~~feet~~ N. (direction) of
St. Route 652 and 500 ^{feet} ~~feet~~ E. (direction) of I-95 North Bound
Lane

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

DATE STARTED: 8/20/75 DATE COMPLETED: 9/15/75

Well Filled back in to 411'

TYPE OF DRILL RIG USED: Rotary/Air TOTAL DEPTH 445 feet

WATER LEVEL: Stands 35'9" feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Pump HOLE SIZE: 11 inches from 0 to 50 feet
Drawdown 72' 3 1/2" feet _____ inches from _____ to _____ feet
Rate 78 gal. per min. _____ inches from _____ to _____ feet
Duration 48 hrs., _____ min. SCREEN SIZE: _____ inches from _____ to _____ feet

WATER ZONES: from 75 to 445 feet _____ inches from _____ to _____ feet
from _____ to _____ feet _____ inches from _____ to _____ feet
from _____ to _____ feet CASE SIZE: 6 inches from +1 to 50 feet

WATER: Color _____ Taste _____ _____ inches from _____ to _____ feet
Odor _____ Temp. _____ °F _____ inches from _____ to _____ feet

WELL TO SUPPLY: (check one) Home _____ GROUTING: Method _____
Farm _____ Town _____ School _____ Material _____ Depth 50 feet
Industry _____ Other Public Rest Area

WATER ANALYSIS AVAILABLE: Yes _____ No _____ PUMP: Type _____ Capacity _____ gal per min
DRILL CUTTINGS SAVED: Yes XX No _____ Depth of intake _____ feet

(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: _____

LOG

FURNISHED BY: _____ DATE: _____

| DEPTH (feet) | | TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.) | REMARKS (water, caving, shot, screen, sample, etc.) |
|-----------------|-----|--|--|
| FROM | TO | | |
| 0 | 40 | Gray Clay | |
| 40 | 75 | Gray Granite | |
| 75 | 82 | Soft Granite w/1 gpm water | |
| 82 | 220 | Gray granite with quartz streaks | Water Quantity |
| 220 | 330 | Gray Granite | estimated during drilling, |
| 330 | 333 | Gray granite & seams, water @ 40 gpm. | discharged by air pressure |
| 333 | 382 | Gray Granite | |
| 382 | 385 | Seams & Water - 100 gpm. | |
| 385 | 445 | Gray granite & seams, water @ 150 gpm. | |
| | | <p>AS OF SEPTEMBER 15, 1975, THE WELL HAD FILLED IN TO 411 FEET. WHEN DRILLING, A FAULT WAS ENCOUNTERED FROM 411 TO 445 FEET.</p> | |

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

INTERVAL SHEET

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Well Repository No.: C-112
 W- 4505

Date rec'd: 11/18/75 Date Processed: 11/18/76

Sample Interval: from 0 to: 445

PROPERTY: Commonwealth of Va.
 Dept. of Highways (I-95 NBL)

Number of samples: 44

COMPANY: Sydnor Hydrodynamics

Total Depth: 445'

COUNTY: Caroline (McDuff)

Oil or Gas: Water: XX Exploratory:

| From-To | From-To | From-To | From-To | From-To |
|-----------|-----------|---------|---------|---------|
| 0 - 10 | 300 - 310 | - | - | - |
| 10 - 20 | 310 - 320 | - | - | - |
| 20 - 30 | 320 - 330 | - | - | - |
| 30 - 40 | 330 - 340 | - | - | - |
| 40 - 50 | 340 - 350 | - | - | - |
| 50 - 60 | 350 - 360 | - | - | - |
| 60 - 70 | 360 - 370 | - | - | - |
| 70 - 80 | 370 - 380 | - | - | - |
| 80 - 90 | 380 - 390 | - | - | - |
| 90 - 100 | 390 - 400 | - | - | - |
| 100 - 110 | 400 - 410 | - | - | - |
| 110 - 120 | 410 - 420 | - | - | - |
| 120 - 130 | 420 - 430 | - | - | - |
| 130 - 140 | 430 - 445 | - | - | - |
| 140 - 150 | - | - | - | - |
| 150 - 160 | - | - | - | - |
| 160 - 170 | - | - | - | - |
| 170 - 180 | - | - | - | - |
| 180 - 190 | - | - | - | - |
| 190 - 200 | - | - | - | - |
| 200 - 210 | - | - | - | - |
| 210 - 220 | - | - | - | - |
| 220 - 230 | - | - | - | - |
| 230 - 240 | - | - | - | - |
| 240 - 250 | - | - | - | - |
| 250 - 260 | - | - | - | - |
| 260 - 270 | - | - | - | - |
| 270 - 280 | - | - | - | - |
| 280 - 290 | - | - | - | - |
| 290 - 300 | - | - | - | - |

Unwashed samples only.

Owner: Comm. of Virginia
(Dept. of Highways and Trans.)
Driller: Sydnor Hydrodynamics, Inc.
County: Caroline (I-95)

W# 4505
C# 112
Total Depth: 445'
Quad:
Elev:

Depth
(feet)

WELL LOG

| | |
|---------|---|
| 0-100 | No Sample. |
| 100-445 | Granite - salt and pepper; fine-grained; equigranular; quartz feldspar, mica, hornblende, pyrite; 30% feldspar at 190'-200'; garnet 290'-300', 310'-320', 340'-350', 410'-420', 430'-445'; pyrrhotite 340'-350', 390'-410'. |

Logged by: J. K. Polzin
June 23, 1980