

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

Box 3667

JAMES L. CALVER, COMMISSIONER

McCormick Road

Charlottesville, VA 22903

WATER WELL COMPLETION REPORT

Charlottesville, Virginia

OWNER: Smith Douglas Co. #3 Mailing Address: Box 419, Norfolk, VA 23501

TENANT: \_\_\_\_\_ Mailing Address: \_\_\_\_\_

DRILLER: Sydnor Hydrodynamics Mailing Address: P.O. Box 27186 Richmond VA 23261

WELL LOCATION: County Norfolk Approx. 300 feet ~~xxx~~ west (direction) of  
Int. 166 & 13 and 1000 feet ~~xxx~~ north (direction) of Bainbridge Blvd.

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

DATE STARTED: 11-2-78 DATE COMPLETED: 11-30-78

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 150 feet

WATER LEVEL: Stands 6'10" feet below surface OR  
has NATURAL flow of \_\_\_\_\_ gallons per minute.

YIELD TEST: Method Pump  
Drawdown 60 feet  
Rate 450 gal. per min.  
Duration 24 hrs., \_\_\_\_\_ min.

HOLE SIZE: 23 inches from 0 to 27 feet  
17 inches from 27 to 125 feet  
9-7/8 inches from 125 to 150 feet  
SCREEN SIZE: 8 inches from 94 to 114 feet

WATER ZONES: from \_\_\_\_\_ to \_\_\_\_\_ feet  
from \_\_\_\_\_ to \_\_\_\_\_ feet  
from \_\_\_\_\_ to \_\_\_\_\_ feet

\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
CASE SIZE: 8 inches from +2 to 94 feet  
6 inches from 114 to 119 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WATER: Color \_\_\_\_\_ Taste \_\_\_\_\_  
Odor \_\_\_\_\_ Temp. \_\_\_\_\_ °F

WELL TO SUPPLY: (check one) Home \_\_\_\_\_  
Farm \_\_\_\_\_ Town \_\_\_\_\_ School \_\_\_\_\_  
Industry XX Other \_\_\_\_\_

GROUTING: Method \_\_\_\_\_  
Material \_\_\_\_\_ Depth 27 feet

WATER ANALYSIS AVAILABLE: Yes \_\_\_\_\_ No \_\_\_\_\_

PUMP: Type \_\_\_\_\_  
Capacity \_\_\_\_\_ gal per min  
Depth of intake \_\_\_\_\_ feet

DRILL CUTTINGS SAVED: Yes XX 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: Electric log run

COMMONWEALTH OF VIRGINIA

LOG

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

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	5	Fill dirt	
5	10	Brown sandy clay and wood	
10	20	Brown sandy clay	
20	30	Blue clay	
30	42	Blue clay and sand mixed	
42	50	Brown sand and some clay	
50	63	Gray sand	
63	70	Gray sand and some clay	
70	74	Hard gray rock	
74	110	Soft gray rock	
110	140	Shells	
140	150	Clay and shells	



Owner: Smith Douglas  
Driller: Sydnor  
County: Norfolk

W# 5800  
C# 177  
Total Depth: 150  
Quad: Norfolk South  
Elev: 7'

Depth  
(feet)

WELL LOG

0-20 Sand - light olive gray (5Y 6/2); moderate clay; medium to very coarse, subangular, moderate sorting; wood debris; granules at 10-20.

20-40 Sand - light olive gray (5Y 5/1); abundant clay in clasts; fine to granule, subangular, moderate sorting; lignite and organic debris.

40-70 Sand - light olive gray (5Y 5/1); moderate clay in clasts; fine to granule with angular, small pebbles at 60-70; subangular and angular, poorly sorted; gypsum crystals; lignite; fuschite at 50-60; smokey quartz, hornblende fragments at 60-70.

70-100 Coquina, Fragmented - light olive gray (5Y 6/1); moderate sand; fine to medium, coarse at 90-100; subangular, moderate sorting; depositional calcium carbonate; shell casts, molds and fragments; pyrite and calcite crystals on fragments; teeth (crystal covered).

100-130 Coquina - light olive gray (5Y 6/1); very sparse sand; medium to coarse, subangular, few grains; 99% fragmented coquina; bryozoa; 5%-10% shell fragments (fresher - not part of Coquina) - Crepidula, gastropod; 3 Nucula, Arca, Glycimeris, Astarte, Turritella, Mitrella, Phacoides, Anachis, Crassinella, Venicardia; bryozoa.

130-150 Shell Gravel - light and dark gray very sparse sand; fine to coarse, subangular, few grains; 50% shell fragments; 50% broken coquinas with depositional calcium carbonate.

Logged by: J. K. Polzin  
November 13, 1980