

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W-3120
C-409

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: Town of Ivor Mailing Address: Ivor, VA

TENANT: _____ Mailing Address: _____

DRILLER: Layne Atlantic Mailing Address: _____

WELL LOCATION: County Southampton Approx. _____ feet miles _____ (direction) of _____
_____ and _____ feet miles _____ (direction) of _____

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

DATE STARTED: Sept. 10, 1970 DATE COMPLETED: Oct. 1, 1970

TYPE OF DRILL RIG USED: _____ TOTAL DEPTH 516 feet

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

YIELD TEST: Method _____
Drawdown _____ feet
Rate _____ gal. per min.
Duration _____ hrs., _____ min.

WATER ZONES: from _____ to _____ feet
from _____ to _____ feet
from _____ to _____ feet

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

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

WATER ANALYSIS AVAILABLE: Yes _____ No _____

DRILL CUTTINGS SAVED: Yes _____ 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: _____

HOLE SIZE: _____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

SCREEN SIZE: _____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

CASE SIZE: _____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

GROUTING: Method _____
Material _____ Depth _____ feet

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

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	2	Top soil	
2	12	Yellow clay	
12	24	Gray clay w/coarse sand, lg. rocks	
24	89	Blue clay & shell	
89	131	Blue clay & shell, salt & pepper sand	
131	131'3"	Hard shell	
131'3"	150	Tight blue clay, slow	
150	200	Clay, shell, salt & pepper sand	
200	270	Chalk & green clay, coarse sand & gravel	
270	320	Coarse sand, gravel, some clay hard and rough, very slow	
320	410	Coarse sand, gravel, white sandy clay	
410	435	Coarse sand and gravel with some shell, some clay, slow & rough	
435	455	Chalky clay, coarse sand, shells	
455	516	Chalky brown clay, coarse sand	

(Use additional forms if necessary)

Owner: Ivor Township #2
Driller: Layne Atlantic
County: Southampton

W# 3120
C# 409
Total Depth: 516'
Quad:
Elev:

Depth
(feet)

WELL LOG

0-2	No Sample.
2-12	Sand - pale grayish orange (10YR 8/4); sparse clay in sand clasts; medium to very coarse, subangular, moderate sorting; rare iron oxide fragments.
12-97	No Sample.
97-121	Coquina Sand - light and dark gray - 50% shell fragments; 50% sand - very fine to medium, subangular, moderate sorting; sparse clay; 3% glauconite.
121-191	No Sample.
191-211	Glauconitic Sand - olive black (5Y 2/1); 95+% glauconite - medium grained; 1-2% quartz sand, medium, subangular, moderate sorting; sparse shell fragments.
211-231	No Sample.
231-241	Glauconitic Sand - dark and light gray - 50% glauconite - medium grained; quartz sand, very fine to granule, subangular to subround, poorly sorted; very sparse shell fragments; mica; few green clay clasts with glauconite embedded in them.
241-271	No Sample.
271	Sand - "dark and light gray" - fine to granule, subangular to <u>angular</u> , poor sorting; 30% glauconite; very sparse fossils; mica; garnet.
271-516	No Sample.

Logged by: J. K. Polzin
July 31, 1980