

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W# 5367
C# 179

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: James City Service Authority Mailing Address: Newport News, VA.

TENANT: _____ Mailing Address: _____

DRILLER: W. H. Gammon Well Co. Mailing Address: _____

WELL LOCATION: County James City Approx. 2500 feet south (direction) of _____
and 100 feet east (direction) of Church 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: 8-16-76 DATE COMPLETED: 8-30-76

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 270' feet

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

YIELD TEST: Method Sub. Pump
Drawdown 20' feet
Rate 135 gal. per min.
Duration 48 hrs., _____ min.

HOLE SIZE: 12 inches from 0 to 270 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet
SCREEN SIZE: 6 inches from 238 to 258 feet

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

_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet
CASE SIZE: 6 inches from 0 to 230 feet

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

6 inches from _____ to 270 feet
_____ inches from _____ to _____ feet

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

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 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: _____

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	28	top soil red and yellow clay	
28	48	red clay white clay gravel	
48	68	white and red clay hardshale and some shells	
68	88	shale and shells	
88	108	shale, shells and sand	
108	128	yellow mud, shells, blue sand	
128	148	blue mud, blue sand	
148	168	blue mud, sand and shells	
168	188	blue mud and sand	
188	208	hard shale, blue sand and shells	
208	229	shale blue and brown mud	
229	250	blue mud, shells, shale and blue rock (238)	
250	271	blue rock and mud (rock ends 253)	

(Use additional forms if necessary)

Owner: County Service Auth (Lake Toano #1)
Driller: W. H. Gammon
County: James City

W# 5367
C# 179
Total Depth: 270'
Quad: Norge
Elev: 116'

Depth
(feet)

Well Log

- 0-28 Sand - Grayish orange (10yr 7/4); fine to very coarse, sub-angular, some granules, moderate sorting; quartz; 1% fine black phosphatic fragments.
- 28-48 Sand - Pale orange (10yr 7/2); sparse clay in sand clasts; more granules and larger; poor sorting.
- 48-68 Sand - Dark yellowish orange (10yr 6/6); sand - As Above; 2% fine phosphatic fragments; 1% shell fragments, some with calcium carbonate deposition on them; clasts of limestone with sand grains and glauconite; iron.
- 68-88 Shell Hash - "Salt and Pepper"; shell fragments with calcium carbonate deposits on them, including sand grains; sparse sand as above; iron fragments.
- 88-108 Sand - Dusky yellow (5y 6/4); fine to coarse; well sorted; quartz; 8% fine phosphatic fragments; 25% shell fragments, some with calcium carbonate deposits; iron.
- 108-128 Sand - As Above.
- 128-148 Sand - Light olive brown (5y 6/6); as above, except: few shell fragments; echinoderm spines; iron nodules.
- 148-168 Sand - As Above.
- 168-188 Sand - As Above, except: 10% phosphatic fragments; mica; few clay clasts.
- 188-208 Sand - As Above, except: 1% shell fragments; 2% phosphatic fragments.
- 208-229 Sand - As Above, except: sparse clay clasts; very fine to very coarse; moderately poor sorting; quartz; 25% shell fragments.
- 229-250 Shell Hash - "Salt and Pepper"; clasts of limestone with sand; glauconite and shells; shell fragments with calcium carbonate; rest as above.
- 250-270 No Sample.

Logged by: J. K. Polzin
July 9, 1980