

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W# 5462
C# 181

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: Division of Parks Mailing Address: York River State Park #2

TENANT: _____ Mailing Address: _____

DRILLER: W. H. Gammon Mailing Address: _____

WELL LOCATION: County James City 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: 4-14-77 DATE COMPLETED: 4-28-77

TYPE OF DRILL RIG USED: _____ TOTAL DEPTH 250' feet

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

YIELD TEST: Method _____
Drawdown 30 feet
Rate 75 gal. per min.
Duration 48 hrs., _____ min.

HOLE SIZE: 9 inches from 0 to 250 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

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

SCREEN SIZE: _____ inches from _____ to _____ feet

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

_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet
CASE SIZE: 4 inches from 0 to 250 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

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

GROUTING: Method _____
Material _____ Depth _____ feet

WATER ANALYSIS AVAILABLE: Yes X No _____
DRILL CUTTINGS SAVED: Yes X No _____

PUMP: Type _____
Capacity _____ gal. per min.
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: _____

EN DATA (Card 8)

DOES THE WELL HAVE SCREENS? Yes¹¹/No; OR
 DOES THE WELL HAVE SLOTTED OR PERFORATED PIPE? Yes/No¹²

LOCATION OF SCREENS: Give the diameter and depth of all screens or sections of slotted or perforated pipe.

4 inches from 230 to 250 feet
13-14 15-18 19-22 inches from _____ to _____ feet
43-44 45-48 49-52

_____ inches from _____ to _____ feet
23-24 25-28 29-32 inches from _____ to _____ feet
53-54 55-58 59-62

_____ inches from _____ to _____ feet
33-34 35-38 39-42 inches from _____ to _____ feet
63-64 65-68 69-72

QUALITY DATA (Card 9)

DID ANY STRATUM CONTAIN WATER WHICH WAS UNSUABLE? Yes/No¹¹; TYPE OF WATER _____
12-22

DEPTH OF STRATUM: from 230 to 250 feet; from _____ to _____ feet. WATER TEMPERATURE: _____ °F
23-26 27-30 31-34 35-38 39-40

If a permit was not issued for this well and a USGS topographic map is not available, a written description and sketch map of well location will suffice.

DRILLER'S LOG

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc.; hardness, color, etc.)	REMARKS (water, caving, shot, screen, samples, etc.)
From	To		
10	20	Sand and clay	
20	40	Sand - clay	
40	60	Some Gravel Sand	
60	80	Gravel and Sand	
80	100	Blue sand Blue mud shells	
100	120	Blue sand Blue mud shells	
120	140	Blue mud shell sand	
140	160	Blue mud shells	
160	180	Blue mud shells	
180	200	Sand & shells	
200	220	Blue mud, sand shell and rock	
220	230	Blue some rock	
230	250	Blue rock	

Owner: Va. Div. of Parks (York River St. Park #2)
Driller: W. H. Gammon
County: James City

W# 5462
C# 181
Total Depth: 250'
Quad:
Elev:

Depth
(feet)

WELL LOG

0-20 No Sample.

20-40 Sand - Grayish orange - (10yr 7/6); minute clasts of light brown clay; fine to very coarse, subangular, moderately well sorted; quartz; 2% very fine black phosphatic fragments.

40-60 Sand - Light olive gray (5y 5/2); sparse silt(?); very fine- to fine sand; very well sorted; 2% phosphatic fragments; mica.

60-80 Sand - As Above; except: sparse shell fragments.

80-100 Sand - As Above.

100-120 Sand - As Above, except: sparse shell fragments.

120-140 Sand - As Above, except: 2% shell fragments; ~~sand~~^{grains} to coarse; well sorted.

140-160 Sand - As Above, except: moderate clay, clasts, some brown and ochre colored; some shell fragments.

160-180 Sand - As Above, except: sparse granular clay; fine to coarse, subangular to sub-rounded, moderate sorting; quartz; 5% phosphatic fragments; 7% shell fragments; lignite.

180-200 Sand - As Above, except: 50% shell fragments-large; shark teeth.

200-220 Shell Hash - As Above, except: Limestone clasts with sand, glauconite, and pyrite; bryozoa.

220-230 Shell Hash - As Above, except: 50% limestone clasts; few shell fragments.

230-250 No Sample.

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