

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W - 5799  
C - 182

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

B 3667  
Charlottesville, VA 22903

JAMES L. CALVER, COMMISSIONER

McCormick Road  
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

Pocahontas

OWNER: Henry L. Branscome, Shores Well #1 Mailing Address: Williamsburg, VA

TENANT: Mailing Address:

DRILLER: W. H. Gammon Well Co. Mailing Address: Providence Forge, VA

WELL LOCATION: County James City Approx. 2000 feet north (direction) of Neck-o-Land Road and one mile west (direction) of Route 31

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

DATE STARTED: 4/5/76 DATE COMPLETED: 4/16/76

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 385 feet

WATER LEVEL: Stands 60 feet below surface OR has NATURAL flow of gallons per minute.

YIELD TEST: Method Submersible pump HOLE SIZE: 12 inches from 0 to 385 feet  
Drawdown 30 feet  
Rate 250 gal. per min.  
Duration 48 hrs., min.  
SCREEN SIZE: 6 inches from 285 to 315 feet

WATER ZONES: from to feet  
from to feet  
from to feet  
CASE SIZE: 6 inches from 0 to 285 feet  
6 inches from 315 to 335 feet

WATER: Color Taste  
Odor Temp. °F

WELL TO SUPPLY: (check one) Home Farm Town School Industry Other Subdivision  
GROUTING: Method Cement Material Depth 50 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

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT  
 DIVISION OF MINERAL RESOURCES  
 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	24	top soil, red sand	
24	47	sand, gravel, blue mud	
47	67	" " " "	
67	87	blue mud, sand, sand rock	
87	107	blue mud, some shells	
107	128	blue mud	
128	149	blue mud, brown mud, shells	
149	170	brown mud, shells, shale rock	
170	191	brown mud, shells, black sand	
191	212	gray mud, black sand	
212	233	gray mud, red mud, black sand	
233	254	" " " " " "	
254	275	black & white sand, green mud, sand clay	
275	295	white sand	
295	315	white sand	
315	335	white sand, gray mud	
335	355	white sand, mud streaks	
355	385	sand clay, mud streaks	



Owner:	Henry L. Branscome (Pocahontas Shores #1)	W# 5799 C# 182
Driller:	W. H. Gammon	Total Depth: 385
County:	James City (Williamsburg)	Quad: Surry Elev: 16'

Depth  
(feet) WELL LOG

0-24 Sand - dark yellowish orange (10YR 5/6); medium to coarse, subangular, well sorted; quartz; 1% fine phosphatic fragments.

24-47 Gravel, Sandy - yellow and white, salt and pepper; 80% granules (8mm in size); sand - medium to very coarse, subangular, moderate sorting; quartz.

47-67 Sand - grayish orange (10YR 6/4); fine to granule; as above; some phosphatic fragments.

67-87 Gravel, Sandy - as at 24-47, except: sparse clay (gray) in clasts.

87-107 Clay - light olive gray (5Y 5/2); clasts; ~~sand~~ moderate sand - fine to very coarse, poor sorting; quartz; few shell fragments.

107-128 Gravel, Clayey - hash; moderate clasts of gray clay; 50% granules; sand as above; 1% shell fragments.

128-149 No Sample.

149-170 Shell Hash - as above, except: moderate clay is distributed throughout the sand; some gravel; 20% shell fragments; 1% glauconite.

170-191 Sand - salt and pepper; sparse clay; medium to very coarse; ~~sand~~ 15% glauconite; 2% shell fragments; asteroid madreporite; shark teeth; ostracod.

191-212 Sand - as above, except: 50% brown/green glauconite; 1% shell fragments.

212-233 Sand - as above, except: 2% shell fragments, sand to granule size; bone (limb) fragment; limestone clast with quartz sand/pyrite/glauconite.

233-254 Sand - olive black (5Y 2/1); ~~sand~~ to coarse; foram - Robulus.

254-275 Sand - as above, except: 90% glauconite; limestone clasts; kyanite.

275-295 Sand-Gravel - as above, except: 60% glauconite; 10% large granules, ~~sand~~ fine to granule; bone fragment (limb); feldspar.

Owner: Henry L. Branscome  
(Pocahontas Shores #1)

W# 5799  
C# 182

Depth  
(feet)

- 295-315 Sand - salt and pepper; as above, except: fine to granule†, mostly coarse to granule†, subangular and subrounded; 40% glauconite; foram - Nodosaria; garnet.
- 315-335 Sand - as above, except: ~~sand~~ to very coarse; 50% glauconite; shell fragments; some garnet chips.

Logged by: J. K. Polzin  
July 10, 1980