

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:  
B- 3667  
Charlottesville, VA 22903

DIVISION OF MINERAL RESOURCES  
JAMES L. CALVER, COMMISSIONER  
WATER WELL COMPLETION REPORT

OFFICE ADDRESS:  
McCormick Road  
Charlottesville, Virginia

OWNER: Anthony Y. Jones Mailing Address: Brockhaven Rd., Lot #18 Williamsburg, Va.

TENANT: \_\_\_\_\_ Mailing Address: \_\_\_\_\_  
DRILLER: H. H. Shaw Southside, Va. Well Drilling Mailing Address: 3501 Jackson Hopewell, VA 23860

WELL LOCATION: County James City Approx. 2- <sup>feet</sup> miles West (direction) of Williamsburg and \_\_\_\_\_ <sup>feet</sup> 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: 12-13-74 DATE COMPLETED: 12-20-74

TYPE OF DRILL RIG USED: \_\_\_\_\_ TOTAL DEPTH 266 feet

WATER LEVEL: Stands 100 feet below surface OR  
has NATURAL flow of \_\_\_\_\_ gallons per minute.

YIELD TEST: Method \_\_\_\_\_  
Drawdown \_\_\_\_\_ feet  
Rate 10 gal. per min.  
Duration 24 hrs., \_\_\_\_\_ min.

HOLE SIZE: 4 inches from 0 to 266 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

CASE SIZE: 4 inches from 0 to 266 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

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

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

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

PUMP: Type Submersible (Myers 526-5B)  
Capacity 12 gal per min  
Depth of intake \_\_\_\_\_ feet

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: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# 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	20	Red Clay	
20	256	Blue mud and shell	
256	266	Sand	
Empty space for additional data			

VIRGINIA DIVISION OF MINERAL RESOURCES  
Box 3667, Charlottesville, VA 22903

INTERVAL SHEET

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Well Repository No.: W-4352  
C- 174

Date rec'd 4/28/75 Date Processed: 2/6/76

Sample Interval: from 0 to 250'

PROPERTY: Anthony Y. Jones

Number of samples: 16

COMPANY: H. H. Shaw

Total Depth: 266'

COUNTY: James City (Ewell)

Oil or Gas: Water:  Exploratory:

From-To	From-To	From-To	From-To
0 - 10	-	-	-
10 - 20	-	-	-
20 - 30	-	-	-
30 - 40	-	-	-
40 - 50	-	-	-
50 - 60	-	-	-
60 - 70	-	-	-
-	-	-	-
90 - 100	-	-	-
100 - 110	-	-	-
130 - 140	-	-	-
150 - 160	-	-	-
190 - 200	-	-	-
210 - 220	-	-	-
220 - 230	-	-	-
230 - 240	-	-	-
240 - 250	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

Unwashed only

OWNER: Anthony Y. Jones  
DRILLER: H. H. Shaw  
COUNTY: James City

W#: 4352  
C#: 174  
TOTAL DEPTH: 266'

GEOLOGIC LOG

Depth  
(feet)

BACONS CASTLE FORMATION (0'-50')

0-10 Sand - moderate yellowish brown (10 YR 5/4); medium to very coarse; subround to well rounded; poorly sorted; clayey; slightly feldspathic; minor green to black glauconite.

10-20 Sand - light brown (5 YR 5/6); medium to very coarse; subrounded to well rounded; poorly sorted; clayey; slightly feldspathic; minor green glauconite.

20-30 As above with minor muscovite and garnet.

30-40 As 10' to 20' above.

40-50 As above.

YORKTOWN FORMATION (50'-70')

50-60 Clay - yellowish gray (5 Y 7/2); sandy; 5% to 10% shell fragments; minor black glauconite.

60-70 As above.

70-90 No sample.

CALVERT FORMATION (90'-240')

90-100 Clay - light olive gray (5 Y 6/1) and sand - fine; subrounded; moderate sorting; minor black glauconite; 5% fossil fragments; forams.

100-110 Sand - light olive gray (5 Y 6/1); fine; subrounded; moderate sorting; clayey; minor shell fragments; forams.

110-130 No sample.

130-140 Clay - light olive gray (5 Y 5/2); sandy; forams.

140-150 No sample.

150-160 Sand - light olive gray (5 Y 5/2); fine to very fine; subrounded; poor sorting; abundant clay; minor green to black glauconite; forams; Isognomen?

Depth  
(feet)

160-190	No sample.
190-200	Sand - light olive gray (5 Y 5/2); fine to very fine; sub-rounded to subangular; poor sorting; abundant clay; minor green to black glauconite; minor muscovite; echinoid spines.
200-210	No sample.
210-220	As 190'-200' above..
220-230	As above with forams.
230-240	Sand - light olive gray (5 Y 5/2); fine to medium; sub-rounded; poor to moderate sorting; clayey; minor black glauconite; echinoid spines forams.
NANJEMOY FORMATION (240'-250')	
240-250	Limestone - medium light gray (N6); sandy, quartz and glauconite; bryozoams.
250-266	No sample.

GEOLOGIC SUMMARYThickness  
(feet)

50	Bacons Castle Formation	Pleistocene
20	Yorktown Formation	Pliocene-Miocene
20	No Sample	
150	Calvert Formation	Miocene-Eocene
10	Nanjemoy Formation	Eocene
16	No Sample	

Virginia Division of Mineral Resources  
Eugene K. Rader, Geologist  
June 15, 1978