

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W#4248  
C#107

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: Mr. John Burke, Jr. Mailing Address: Woodford, Virginia 22580

TENANT: Mr. John Burke, Jr. Mailing Address: Woodford, Virginia 22580

DRILLER: Mitchell's Well & Pump Co., Inc. Mailing Address: Colonial Heights, Va. 23834

WELL LOCATION: County Caroline Rt. 29 north out of Richmond exit at Carmel Church, Rt. 207  
Approx.            miles (direction) of  
E. to traffic light in Bowling Green; take left. Left to Paige (RT. 605); at Paige right turn  
on RT. 638 second drive on left. and            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: August 1974 DATE COMPLETED: August 1974

TYPE OF DRILL RIG USED: Cable tool TOTAL DEPTH 230 feet

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

YIELD TEST: Method pumped

Did not drawdown to 126'  
Drawdown            feet

Rate 12 gal. per min.

Duration 15 hrs.,            min.  
not continuous

HOLE SIZE: 4 inches from 0 to 230 feet

           inches from            to            feet

           inches from            to            feet

SCREEN SIZE: 4 inches from 220 to 230 feet  
with blank above

           inches from            to            feet

           inches from            to            feet

WATER ZONES: from            to            feet

from            to            feet

from            to            feet

CASE SIZE: 4 inches from 0 to 222' 6" feet

           inches from            to            feet

           inches from            to            feet

WATER: Color            Taste           

Odor            Temp.            °F

WELL TO SUPPLY: (check one) Home

Farm            Town            School           

Industry            Other           

GROUTING: Method           

Material            Depth            feet

PUMP: Type submersible

Capacity            gal per min

Depth of intake            feet

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:

# 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		
			SAMPLE #
0	10	tan dirt	1
10	20	orange dirt	2
20	30	light gray mud	3
30	40	Ditto	4
40	50	Ditto	5
50	60	Ditto	6
60	70	Ditto	7
70	80	Ditto	8
80	90	Ditto	9
90	100	Ditto	10
100	110	Ditto	11
110	120	Ditto	12
120	130	dark gray dirt	13
130	140	Ditto	14
140	150	Dark gray dirt & shells	15
150	160	Ditto	16
160	170	dark tan dirt	17
170	180	light gray sand	18
180	190	Ditto	19
190	200	Ditto	20
200	210	gray mud	21
210	220	Ditto	22
220	230	gray sand	23

(Use additional forms if necessary)

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

INTERVAL SHEET

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Date rec'd: 9/30/74 Date Processed: 9/4/74

PROPERTY: M. R. Burke, Jr.

COMPANY: Mitchell

COUNTY: Caroline (Paige)

Well Repository No.: W-4248

Sample Interval: from C-107 0 to: 230'

Number of samples: 23

Total Depth: 230'

Oil or Gas: Water:x Exploratory:

From-To	From-To	From-To	From-To	From-To
0-10	-	-	-	-
10-20	-	-	-	-
20-30	-	-	-	-
30-40	-	-	-	-
40-50	-	-	-	-
50-60	-	-	-	-
60-70	-	-	-	-
70-80	-	-	-	-
80-90	-	-	-	-
90-100	-	-	-	-
100-110	-	-	-	-
110-120	-	-	-	-
120-130	-	-	-	-
130-140	-	-	-	-
140-150	-	-	-	-
150-160	-	-	-	-
160-170	-	-	-	-
170-180	-	-	-	-
180-190	-	-	-	-
190-200	-	-	-	-
200-210	-	-	-	-
210-220	-	-	-	-
220-230	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

Both washed and unwashed samples.

Owner: M. R. Burke, Jr.  
Driller: Mitchell  
County: Caroline (Paige)

W#4248  
C#107  
Total depth: 230'  
Quad:  
Elev:

Depth  
(feet)

WELL LOG

0-10 Sand, Clayey - grayish orange (10yr 7/4); abundant clay; very fine to very coarse; sub-angular; poorly sorted; quartz; some phosphatic fragments.

10-20 Sand - dark yellowish orange (10yr 6/6); very fine to fine; few larger grains; well sorted; quartz; moderate silt.'

20-30 Sand - As above, except: light olive gray (5y 6/1); moderate clay.

30-40 Clay, Sandy - As above, except: abundant sand.

40-50 Clay, Sandy - As Above.

50-60 Clay, Sandy - As above, except: sand, very fine to coarse; moderate sorting.

60-70 Clay, Sandy - As Above.

70-80 Clay, Sandy - As Above.

80-90 Clay, Sandy - As above, except: moderate yellow gray (5y 6/2); 1-2% magnetite.

90-100 Clay - As above, except: back to light olive gray (5y 6/1); abundant small, fine-grained clasts.

100-110 Clay - As above, except: moderate amount of sand; fine to granular; poorly sorted.

110-120 Clay - As Above.

120-130 Sand - olive gray (5y 4/1); sparse granular clay; very fine to fine; very well sorted, sub-angular; quartz; 25% glauconite; sparse fine shell fragment; foram-Robulus; 1% muscovite.

130-140 Sand - As above, except: 10% shell fragments.

140-150 Sand - moderate yellow gray (5y 6/2); moderate amount "pellet" clay clasts; sand as above, plus 10% pebbles - 10mm; 20% larger shell fragments; 10% + glauconite; phosphatic nodules; limestone clasts with iron stain and embedded glauconite, in bands; garnet.

150-160 Sand - As Above.

160-170 Clay - moderate yellowish brown (10yr 5/4); very sparse sand; coarse and very coarse.

- 170-180 Sand - yellow gray (5y 7/1); very sparse clasts of clay; sand, medium to granule sub-angular; moderate sorting; quartz.
- 180-190 Sand - As Above.
- 190-200 Sand - As Above.
- 200-210 Clay, Sandy - olive brown (5y 5/4); abundant clay; sand, fine to very coarse; sub-angular and angular; poorly sorted; quartz.
- 210-220 Sand, Clayey - yellowish gray (5y 7/2); abundant clay; sand, as above.
- 220-230 Sand - yellow gray (5y 7/1); as at 170-180, except: sparse clay from above; feldspar.

Logged By: J. K. Polzin  
June 18, 1980