

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W# 5135
C# 227

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. W. Ray Phillips Mailing Address: 21401 Warren Avenue
Matoaca, VA. 23803

TENANT: Mailing Address:

DRILLER: Mitchell's Well & Pump Co., Inc. Mailing Address: 16815 Happy Hill Rd.
Colonial Heights, VA. 23834

WELL LOCATION: County Sussex at Waverly 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: October 29, 1977 DATE COMPLETED: November 9, 1977

TYPE OF DRILL RIG USED: Cable Tool TOTAL DEPTH 210' feet

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

YIELD TEST: Method Pumped
Drawdown _____ feet
Rate _____ gal. per min.
Duration 8 hrs., _____ min.

HOLE SIZE: 12 inches from 0 to 15 feet
4 inches from 15 to 205 feet
_____ inches from _____ to _____ feet

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

SCREEN SIZE: _____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

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

CASE SIZE: 4 inches from +1 to 201 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
DRILL CUTTINGS SAVED: Yes 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:

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 earth	1
10	20	orange mud with gray	2
20	30	light gray mud and shells	3
30	70	light gray mud and shells	4, 5, 6, & 7
70	100	dark gray mud and shells	8, 9, & 10
100	120	dark gray mud, some orange, shells	11, 12
120	130	dark gray mud and shells	13
130	140	dark gray mud	14
140	150	greenish mud	15
150	160	black mud	16
160	170	gray sand and gravel	17
170	180	tan mud	18
180	190	tan and gray mud	19
190	200	gray mud	20
200	205	gray sand and gravel	21

(Use additional forms if necessary)

Owner: W. R. Phillips
Driller: Mitchell W & P Co., Inc.
County: Sussex

W# 5135
C# 227
Total Depth: 210'
Quad:
Elev:

Depth
(feet)

WELL LOG

0-10 Sand - Grayish orange (10yr 7/4); sparse clay; fine to very coarse; some granules; subangular; moderate sorting; quartz; 1% fine phosphatic fragments.

10-20 Clay - Dark yellowish orange (10yr 6/6); flakey clay; some in clasts; sparse sand as above.

20-30 Shell Hash - 90% shell fragments - dentalium, mulina congesta, turritella berry, ostrea fragments, barnacles; sparse clay as above; sand-medium to granule; subangular; poor sorting; quartz.

30-40 Shell Hash - As Above, except: more fragmented; powdered calcite covered.

40-50 Shell Hash - As Above.

50-60 Shell Hash - As Above.

60-70 Shell Hash - As Above.

70-80 Clay - Moderate olive gray (5y 3/1); sand, very fine to medium, some coarse; well sorted; quartz; 20% shell fragments - mainly turritella.

80-90 Clay - As Above, except: moderate sand; no fossils.

90-100 Clay - As at 70-80.

100-110 Clay - As at 80-90, except: 1% fine shell fragments.

110-120 Sand - Olive gray (5y 4/1); clay, calcite coated sand; as above; few shell fragments; 5% fine phosphate fragments.

120-130 Sand - As Above, except: (5y 3/1); 50% glauconite; 10% shell fragments; bone fragments; shark teeth; phosphate nodules.

130-140 Clay - Light gray (N65); fine-grained; flakey clay in clasts and small pellets; moderate sand; fine to granule; poor sorting; quartz; 3% glauconite.

140-150 Sand - Olive black (5y 2/1); 90% glauconite; 10% medium-grained; quartz.

150-160 Sand - As Above, except: medium to granule; poor sorting.

Depth
(feet)

- 160-170 Sand - Light olive gray (5y 6/1); sparse granular clay; medium to granular; subangular; poorly sorted; quartz; 10% glauconite; garnet.
- 170-180 Clay - Dusky yellow (5y 6/4); clasts of various colored clay, tan, yellow, white, gray; very sparse sand - As Above.
- 180-190 Clay - As Above, except: yellowish gray (5y 6/2); mica.
- 190-200 Clay, Sandy - As Above, except: (5y 7/2); abundant sand; very fine to medium; moderately well sorted; 1% glauconite; 1% mica.
- 200-210 Sand - Light olive gray (5y 6/1); fine to pebble; calcite coated; very sparse clay; subrounded to rounded; poorly sorted; quartz; rose quartz; pyrite; garnet.

Logged by: J. K. Polzin
July 14, 1980