

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W# 5142  
C# 228

MAILING ADDRESS:

Box 3667  
Charlottesville, VA 22903

DIVISION OF MINERAL RESOURCES

JAMES L. CALVER, COMMISSIONER

OFFICE ADDRESS:

McCormick Road  
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: Mr. Irvin L. Phillips, Jr. Mailing Address: P. O. Box 468  
Waverly, VA. 23890

TENANT: \_\_\_\_\_ Mailing Address: \_\_\_\_\_

DRILLER: Mitchell's P & W Co., Inc. Mailing Address: 16815 Happy Hill Road  
Colonial Heights, VA. 23834

WELL LOCATION: County Sussex Approx. 1 <sup>1/2</sup>/<sub>miles</sub> West (direction) of \_\_\_\_\_  
Route 602 and \_\_\_\_\_ <sup>feet</sup>/<sub>miles</sub> \_\_\_\_\_ (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: December 1977 DATE COMPLETED: December 1977

TYPE OF DRILL RIG USED: \_\_\_\_\_ TOTAL DEPTH \_\_\_\_\_ 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 4 hrs., \_\_\_\_\_ min.

HOLE SIZE: 7 1/2 inches from 0 to 15 feet  
5 3/4 inches from 15 to 205 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WATER ZONES: from \_\_\_\_\_ to \_\_\_\_\_ feet  
from \_\_\_\_\_ to \_\_\_\_\_ feet  
from \_\_\_\_\_ to \_\_\_\_\_ feet

SCREEN SIZE: 4 inches from 195 to 205 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WATER: Color \_\_\_\_\_ Taste \_\_\_\_\_  
Odor \_\_\_\_\_ Temp. \_\_\_\_\_ °F

CASE SIZE: 4 inches from +1 to 205 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

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

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

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

PUMP: Type \_\_\_\_\_  
Capacity \_\_\_\_\_ gal per min

DRILL CUTTINGS SAVED: Yes X No \_\_\_\_\_

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

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	top soil	SAMPLE # 0
10	20	orange earth	1, 2
30	50	orange sand & gravel	3, 4, 5
	60	orange mud & gravel	6
	70	shells	7
80	90	shells and gravel	8, 9
	100	gray mud - shells	10
110	120	dark gray mud - shells	11, 12
130	160	black mud	13, 14, 15, 16
170	205	gravel	17, 18, 19, 20



Owner: Irving L. Phillips  
Driller: Mitchell W & P  
County: Sussex

W# 5142  
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Total Depth: 205'  
Quad:  
Elev:

Depth  
(feet)

WELL LOG

- 0-10 Sand - Grayish orange (10yr 8/4); very sparse clay; very fine to coarse; subrounded; well sorted; quartz; some phosphatic and iron fragments.
- 10-20 Sand - As Above, except: (10yr 7/4); medium-to very coarse-grained.
- 20-30 Sand - As Above, except: medium to granule.
- 30-40 Sand - As Above, except: (10yr 8/4); mostly very coarse.
- 40-50 Sand - As Above.
- 50-60 Gravel - Salt and Pepper; 50% granules; rest as above; iron.
- 60-70 Gravel - As Above, except: pebbles, 10mm; clay and sand clasts.
- 70-80 Shell Hash - Barnacle, ostrea, pecten; bryozoa, chela, coral.
- 80-90 Shell Hash - As Above, except: few pebbles; sand.
- 90-100 Shell Hash - As Above, except: mytilus, venicardia; wood (petrified); gastropod.
- 100-110 Sand - Light olive gray (5y 6/1); moderate clay in clasts and small grains; sand - As Above; some pebbles; calcite "Dust"; 10% shell fragments; feldspar; garnet; iron.
- 110-120 Sand - As Above, except: abundant clay; fine to pebble.
- 120-130 Clay, Sandy - Moderate olive gray (5y 5/1); abundant clay, in clasts and grains; sand - very fine to granule; poorly sorted; quartz; 5% shell fragments, chela, coral, echinoderm spines.
- 130-140 Sand - Olive gray (5y 4/1); As Above, except: moderate clay; some pebbles; 10% glauconite; 1% shell fragments; foram-Robulus.
- 140-150 Sand - As Above, except: 50% glauconite; ostracod; no pebbles.
- 150-160 Sand - As Above.
- 160-170 Gravel and Sand - As Above; 20% granules to pebbles.
- 170-180 Sand - Light olive gray (5y 6/1); medium to granule; subrounded; poor sorting; quartz; 20% glauconite; rare shell fragments; few clay clasts, small; garnet.

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Depth  
(feet)

180-190	Sand - As Above, except: to pebble size; subangular and subrounded; 30% glauconite.
190-200	Sand - As Above, except: 10% glauconite.
200-205	Sand - As Above.

Logged by: J. K. Polzin  
July 15, 1980