

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

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: Sussex County School Board #2 Mailing Address: Sussex, VA. 23884

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

DRILLER: John Mitchell Mailing Address: 2111 Magnolia Street  
Richmond, VA. 23223

WELL LOCATION: County Sussex County Approx. 500 <sup>feet</sup>/<sub>ft/s</sub> south (direction) of  
Route 40 and 50 <sup>feet</sup>/<sub>ft/s</sub> west (direction) of Route 9871.

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

DATE STARTED: 11-15-78 DATE COMPLETED: 12-5-78

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 200' feet

WATER LEVEL: Stands 28 feet below surface OR  
has NATURAL flow of \_\_\_\_\_ gallons per minute.

YIELD TEST: Method Pump  
Drawdown 72 feet  
Rate 150 gal. per min.  
Duration 48 hrs., \_\_\_\_\_ min.

HOLE SIZE: 12 inches from 0 to 200 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
SCREEN SIZE: 4 inches from 149 to 175 feet

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

CASE SIZE: 6 inches from +2' to 149 feet  
4 inches from 175' to 180 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

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

GROUTING: Method \_\_\_\_\_  
Material \_\_\_\_\_ Depth 50 feet

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

PUMP: Type \_\_\_\_\_  
Capacity \_\_\_\_\_ gal per min  
Depth of intake \_\_\_\_\_ feet

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

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

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	5	Yellow sand clay	
5	10	Red, yellow streaks of sand clay	
10	25	Tough yellow clay	
25	30	Gray clay	
30	40	Shells, gray clay, fine sand	
40	50	Blue clay and fine sand	
50	60	Gray, green coarse sand	
60	70	Green and gray clay	
70	83	Gray sand clay	
83	85	Gray clay	
85	100	Gray sand	
100	130	Gray sand and gravel with some clay	
130	140	Gray sandy clay	
140	150	Sand, gravel and clay	
150	175	Sand, gravel with streaks of clay	
175	200	Hard clay, sand and gravel	

(Use additional forms if necessary)



Owner: Co. School Board #2  
Driller: Sydnor  
County: Sussex

W# 5755  
C# 229  
Total Depth: 200'  
Quad: Vicksville  
Elev: 84'

Depth  
(feet)

WELL LOG

0-10 Sand - Grayish-orange (10yr 6/4); moderate clay in sand clasts; very fine to granule; subangular to subrounded; few pebbles; poor sorting; quartz.

10-20 Clay - Yellow-orange (10yr 7/6), white; clay clasts, covered with yellow-orange clay powder.

20-30 Clay - Light olive gray (5y 6/1) and yellow-orange (10yr 7/6); clasts of gray coated with yellow-orange clay; moderate sand; medium grained; subrounded; well sorted; quartz.

30-40 Sand - Yellow-brown (10yr 6/4); some large white clay clasts with red, orange, yellow layers; small clasts in sand; medium to coarse sand; As Above; 5% shell fragments; 2% fine phosphatic fragments; echinoderm spines; bryozoa.

40-50 Sand - Pale yellowish-brown (10yr 6/2); sparse clay; medium-grained; some coarse, rest as above; 1% shell fragments; echinoderm fragments; 1% spines; 1% phosphatic fragments.

50-60 Sand - Light olive-gray (5y 6/1); very fine to granule; subangular; poor sorting; quartz; common shell fragments; garnet.

60-70 Sand - As Above, except: moderate clay in small clasts; phosphate fragments.

70-80 Sand - As Above, except: 50% small pebbles; garnet; feldspar.

80-90 Sand - As Above, except: coarse to granule.

90-100 Sand - As Above, except: very fine to very coarse.

100-110 Sand - As Above, except: sparse clay clasts; fine to granule.

110-120 Sand - As Above.

120-130 Gravel - Salt and pepper; 80% pebbles; angular and rounded; sand-fine to very coarse; rose quartz.

130-140 Gravel, Sandy - As Above, except: moderate "pellet" clay; 10% pebbles.

140-150 Gravel, Sandy - As Above.

Depth  
(feet)

150-160	Gravel, Sandy - As Above.
160-170	Gravel, Sandy - As Above, except: 50% small pebbles; sand to granule.
170-180	Gravel, Sandy - As Above.
180-190	Sand - As Above, except: No pebbles; sand - coarse to granule, few smaller grains.
190-200	Sand - As Above, except: abundant clay (yellowish-gray 5y 7/2) in small clasts with mica; sand-very fine to granule; subangular and angular; poor sorting; mica.

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