

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W-5410  
C-237

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

Box 3667  
Charlottesville, VA 22903

JAMES L. CALVER, COMMISSIONER

McCormick Road  
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: M. C. H. Sims Mailing Address: Rt. 1, Box 136E Disputanta VA 23842

TENANT: \_\_\_\_\_ Mailing Address: 16815 Happy Hill Rd.

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

WELL LOCATION: County Chesterfield (Walthal Mill) 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: August 1978 DATE COMPLETED: August 1978

TYPE OF DRILL RIG USED: Cable tool TOTAL DEPTH 173 feet

WATER LEVEL: Stands 112 feet below surface OR

has NATURAL flow of \_\_\_\_\_ gallons per minute.

YIELD TEST: Method pumped  
133' 4" of test pipe used  
Drawdown \_\_\_\_\_ feet  
Rate 12 gal. per min.  
Duration 6 hrs., \_\_\_\_\_ min.

HOLE SIZE: 7½ inches from 0 to 15 feet  
4 inches from 15 to 73 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

SCREEN SIZE: \_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

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

CASE SIZE: 4 inches from +1 to 70 feet

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

\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

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

GROUTING: Method poured in cement,  
Material sand & gravel Depth 15 feet

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

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

DRILL CUTTINGS SAVED: Yes XX 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	10	tan earth	SAMPLE # 1
10	20	orange earth	2
20	30	tan earth	3
30	40	" "	4
40	80	gray mud-shell fragments	5 thru 8
80	130	gray mud	9 thru 13
130	173	sand & gravel	14 thru 17
TOTAL DEPTH 173			
DATE STARTED August 1978			
DATE COMPLETED August 1978			
TYPE OF DRILL BIT USED Cable Tool			
WATER LEVEL 112			
YIELD TEST Method pumped			
133' 4" of test pipe used			
HOLE SIZE 7 1/2 inches from 0 to 15			
SCREEN SIZE 10 inches from 10 to 173			
GROUTING Method poured at 15			
cement, sand & gravel			
PUMP			



Owner: C. Sims (Walthall Mill)  
Driller: Mitchell's  
County: Chesterfield

W# 5410  
C# 237  
Total Depth: 173'  
Quad: Hopewell  
Elev: 130'

Depth  
(feet)

WELL LOG

0-10 Sand - grayish orange (10YR 7/4); abundant clay; medium to granule, subangular, moderate sorting.

10-20 Sand - dark yellowish orange (10YR 5/6); abundant clay; medium to granule, subangular, poorly sorted.

20-40 Sand - dark yellowish orange (10YR 6/6); abundant clay; medium to coarse, with granules at 30-40', subangular, moderate sorting.

40-70 Sand - light olive gray (5Y 6/1); abundant clay; medium with some larger grains, subangular, well sorted; 8% fine shell fragments at 50-60', few at 60-70'.

70-90 Clay - olive gray (5Y 4/1), with clasts of light olive gray (5Y 6/1); abundant sand; medium with few larger grains, subangular, well sorted; 5-8% fine glauconite; shark tooth; bone fragments at 70-80'; mica at 80-90'.

90-120 Clay - olive gray (5Y 4/1); abundant sand; medium with few coarse grains, subangular, well sorted; 3-5% glauconite/phosphate fragments; bone fragments; mica.

120-140 Gravel - mixed colors; fine to pebble, angular, poorly sorted; green stains on some fragments; phosphate fragments; iron oxide clasts; pyrite; garnet.

140-173 Sand - light olive gray (5Y 7/1); fine to granule, angular and subangular, moderate sorting; 20%+ feldspar; 8% glauconite/phosphate fragments at 140-160' and few at 160-173'; amethyst; quartz; garnet.

Logged by: J. K. Polzin  
October 16, 1980