

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W-5668
C-238

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

708 Pine Cone Ln.

OWNER: Marvin Atkins Mailing Address: Colonial Heights, Va.

TENANT: _____ Mailing Address: _____

DRILLER: Mitchell's Well & Pump Co. Mailing Address: 16815 Happy Hill Rd.
Chesterfield Colonial Heights, Va.

WELL LOCATION: County (Colonial Heights, Va.) 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: Dec. 1978 DATE COMPLETED: Dec. 1978

TYPE OF DRILL RIG USED: Cable tool TOTAL DEPTH 180 feet

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

YIELD TEST: Method _____
Drawdown _____ feet
Rate 15 gal. per min.
Duration 4 hrs., _____ min.

HOLE SIZE: 7 1/2 inches from 0 to 12 feet
4 inches from 12 to 180 feet
_____ inches from _____ to _____ feet

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

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

CASE SIZE: 4 inches from +1 to 179 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

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

GROUTING: Method _____
cement,
Material sand & gravel Depth 12 feet

WELL TO SUPPLY: (check one) Home _____
Farm _____ Town _____ School _____
Industry _____ Other _____

PUMP: Type _____
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		
0	10	tan earth	SAMPLE # 1
10	30	orange mud	2 & 3
30	40	tan sand & gravel	4
40	80	gray mud	5, 6, 7, 8
80	90	lost	
90	110	gray mud	10, 11
110	180	gray sand & gravel	12, 13, 14, 15, 16, 17, & 18

Owner: Marvin Atkins
Driller: Mitchell
County: Chesterfield

W# 5668
C# 238
Total Depth: 180'
Quad: Hopewell
Elev: 130'

Depth
(feet)

WELL LOG

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

10-30 Sand - dark yellowish orange (10YR 6/6); abundant clay; fine to rounded pebbles, subangular, poorly sorted.

30-40 Sand - dusky yellow (5Y 6/4); abundant clay; fine to granule, some pebbles, angular and subangular, poorly sorted; some gray clay in clasts.

40-50 Clay - light olive gray (5Y 6/1); moderate sand; fine to medium, subangular, well sorted; some glauconite.

50-70 Clay - moderate olive gray (5Y 5/1); ~~abundant clay~~ fine, subangular, well sorted; very rare ground shell fragments; mica.

70-80 Clay - light and dark grays (5Y 4/1 to 6/1); abundant sand; fine, subangular, well sorted; shell fragments; mica; brown discolorations.

80-90 No Sample.

90-100 Clay - light gray; (N 7); moderate sand; fine to coarse, subangular, poor sorting; shell fragments; brown discolorations; bryozoa; bone (?) fragments; mica.

100-110 Clay - olive gray (5Y 4/1); abundant sand; fine to medium, subangular, moderately well sorted; 10%- glauconite; mica.

110-120 Gravel - mixed colors; 20% granite fragments; medium to pebble, angular, poor sorting; rose quartz; iron oxide and iron sulfide.

120-140 Sand - mixed colors; abundant feldspar; fine to granule with some pebble size, angular with some subrounded ~~feldspar~~, poor sorting; few glauconite grains.

140-160 Sand - light olive gray (5Y 7/1); 20+% feldspar; fine to small granule, angular, moderate sorting; iron oxide.

160-180 Sand - light olive gray (5Y 7/1); fine to pebble, angular, poor sorting; abundant feldspar; garnet; iron oxide; 1 20mm pebble subrounded.

Logged by: J. K. Polzin
October 17, 1980