

COMMONWEALTH OF VIRGINIA

W#: 4055

C#: 159

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

B 3667

JAMES L. CALVER, COMMISSIONER

McCormick Road

Charlottesville, VA 22903

WATER WELL COMPLETION REPORT

Charlottesville, Virginia

OWNER: Seven & Eleven Stores Mailing Address:

TENANT: Same Mailing Address:

DRILLER: Atlantic Pump & Equip. Co. Mailing Address: Richmond, VA.

WELL LOCATION: County Hanover Approx. 20 feet miles West (direction) of U.S. Hwy 1 (S. of French Hay) and 10 feet miles South (direction) of St. Rd. 623

(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 14, 1972 DATE COMPLETED: December 19, 1972

TYPE OF DRILL RIG USED: Air Rotary TOTAL DEPTH 122 feet

WATER LEVEL: Stands ___ feet below surface OR

has NATURAL flow of ___ gallons per minute.

YIELD TEST: Method Air

Drawdown ___ feet

Rate 20 gal. per min.

Duration 3 hrs., ___ min.

HOLE SIZE: 10 inches from 0 to 67 feet

6 inches from 67 to 122 feet

___ inches from ___ to ___ feet

SCREEN SIZE: ___ inches from ___ to ___ feet

___ inches from ___ to ___ feet

___ inches from ___ to ___ feet

WATER ZONES: from 83 to 84 feet

from 90 to 105 feet

from ___ to ___ feet

CASE SIZE: 6 inches from 0 to 67 feet

___ inches from ___ to ___ feet

___ inches from ___ to ___ feet

WATER: Color None Taste None

Odor None Temp. ___ °F

GROUTING: Method Pressure

Material Cement Depth 67 feet

WELL TO SUPPLY: (check one) Home ___

Farm ___ Town ___ School ___

Industry ___ Other Store ___

PUMP: Type ___

Capacity ___ gal per min

Depth of intake ___ feet

WATER ANALYSIS AVAILABLE: Yes ___ No XX

DRILL CUTTINGS SAVED: 11 Yes XX 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:

WS: 4025
 CH: 122

LOG

FURNISHED BY: Charles Thomas

DATE: December 18, 1972

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	3	Fill	
3	42	Red clay	
42	67	Gray & clay w/Mica	
67	83	Lt gray granite	
83	85	Gray granite; w/ quartz	
85	90	Lt gray granite	
90	105	Gray granite w/quartz	
105	113	Lt gray granite	
113	122	w/quartz, w/Mica	

OWNER: Seven Eleven Stores
DRILLER: Atlantic Pump & Equip. Co.
COUNTY: Hanover
(French Hay)

W#: 4055
C#: 159
TOTAL DEPTH: 122'
QUAD: Yellow Tavern

GEOLOGIC LOG

Depth
(feet)

0 - 10 Sand -- dark yellowish orange; moderate clay; fine to medium grained, few pebbles; subangular to subrounded; moderately well sorted; quartz; feldspar; few opaques; muscovite.

10 - 20 As above except abundant clay.

20 - 30 As above.

30 - 40 No sample.

40 - 50 Granite -- grayish orange; quartz; white potassic feldspar; 3% biotite; 2% muscovite.

50 - 60 As above plus few grains of garnet.

60 - 70 Granite -- salt and pepper; quartz; white potassic feldspar; 10% biotite; 3% muscovite; few grains of garnet.

70 - 80 As above plus few grains of pyrite.

80 - 90 Granite -- white; equigranular; quartz; white potassic feldspar; 3% muscovite; 2% biotite; some garnet.

90 - 100 Granite -- salt and pepper; some gneissoid structure; quartz; white potassic feldspar; 35% biotite; few flakes of muscovite; pyrite.

100 - 110 As above except no pyrite.

110 - 120 As above except 40% biotite.

120 - 122 No sample.

NOTE: All samples are unwashed.

Logged by: Michael T. Currie
Feb 8, 1979

OWNER: Seven Eleven Stores

-2-

W#: 4055

GEOLOGIC SUMMARY

<u>Depth</u> <u>(feet)</u>	<u>Thickness</u> <u>(feet)</u>	<u>Rock Unit</u>	<u>Time Rock Unit</u>
0 - 30	30	Columbia Group	Pleistocene
30 - 40	10	No sample	
40 - 120	80	Petersburg Granite	Paleozoic (?)
120 - 122 :	2	No sample	

VIRGINIA DIVISION OF MINERAL RESOURCES
David A. Hubbard, Jr., Geologist
February 12, 1979