

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

P 3667

JAMES L. CALVER, COMMISSIONER

McCormick Road

Charlottesville, VA 22903

WATER WELL COMPLETION REPORT

Charlottesville, Virginia

OWNER: Carver Heights Water Co., Inc., Well #3 Mailing Address: P. O. Box 216, Fieldale, VA 24089

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

DRILLER: Carolina-Virginia Well Co., Inc. Mailing Address: P. O. Box 171 Stoneville, NC

WELL LOCATION: County Henry Approx. 7 1/2 miles west (direction) of Martinsville and 2 1/2 miles south (direction) of Fieldale

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

DATE STARTED: 12/11/68 DATE COMPLETED: 12/14/68

TYPE OF DRILL RIG USED: air rotary TOTAL DEPTH 480 feet

WATER LEVEL: Stands 40 feet below surface OR

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

YIELD TEST: Method air lift

Drawdown 375 feet

Rate 8 gal. per min.

Duration 8 hrs., 0 min.

WATER ZONES: from 414 1/2 to 415 feet

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

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

WATER: Color \_\_\_\_\_ Taste \_\_\_\_\_

Odor \_\_\_\_\_ Temp. \_\_\_\_\_ °F

WELL TO SUPPLY: (check one) Home \_\_\_\_\_

Farm \_\_\_\_\_ Town \_\_\_\_\_ School \_\_\_\_\_

Industry \_\_\_\_\_ Other subdivision \_\_\_\_\_

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

DRILL CUTTINGS SAVED: Yes 48 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: \_\_\_\_\_

HOLE SIZE: 10 1/2 inches from 0 to 108 1/2 feet

6 inches from 108 1/2 to 480 feet

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

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

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

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

CASE SIZE: 6 inches from 0 to 108 1/2 feet

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

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

GROUTING: Method gravity

Material cement-water Depth 108 1/2 feet

PUMP: Type \_\_\_\_\_

Capacity \_\_\_\_\_ gal. per min

Depth of intake \_\_\_\_\_ feet

FURNISHED BY:

Carolina-Virginia Well Co. Inc.

DATE:

12/14/68

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	4	Clay	
4	40	Dirt	
40	45	Sandstone	
45	60	Dirt	
60	68	Granite boulders	
68	80	Dirt	
80	86	Granite	
86	105	Dirt	
105	108 1/2	Gray granite	
108 1/2	480	Blue and gray granite	

VIRGINIA DIVISION OF MINERAL RESOURCES  
INTERVAL SHEET

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Well Repository No: W-2408

Date rec'd: 1/16/69

Sample Interval: from 0 to: 480'

PROP: Carver Heights Water Co., Well #3

Number of samples: 48

COMP: Carolina-Virginia Well Co.

Total Depth: 480'

COUNTY: Henry (Fieldale)

Oil or Gas: Water: XExploratory:

From-To	From-To	From-To	From-To
0 - 10	300 - 310	-	-
10 - 20	310 - 320	-	-
20 - 30	320 - 330	-	-
30 - 40	330 - 340	-	-
40 - 50	340 - 350	-	-
50 - 60	350 - 360	-	-
60 - 70	360 - 370	-	-
70 - 80	370 - 380	-	-
80 - 90	380 - 390	-	-
90 - 100	390 - 400	-	-
100 - 110	400 - 410	-	-
110 - 120	410 - 420	-	-
120 - 130	420 - 430	-	-
130 - 140	430 - 440	-	-
140 - 150	440 - 450	-	-
150 - 160	450 - 460	-	-
160 - 170	460 - 470	-	-
170 - 180	470 - 480	-	-
180 - 190	-	-	-
190 - 200	-	-	-
200 - 210	-	-	-
210 - 220	-	-	-
220 - 230	-	-	-
230 - 240	-	-	-
240 - 250	-	-	-
250 - 260	-	-	-
260 - 270	-	-	-
270 - 280	-	-	-
280 - 290	-	-	-
290 - 300	-	-	-

All intervals have both washed & unwashed samples.

OWNER: Carver Heights Water Co., Inc., Well #3  
DRILLER: Carolina-Virginia Well Co., Inc.  
COUNTY: Henry (Fieldale)

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TOTAL DEPTH- 480'

GEOLOGIC LOG

Depth  
in feet

0-10	Saprolite — reddish-brown, sandy, micaceous
10-20	"
20-30	" with weathered fragments of biotite gneiss
30-40	" "
40-50	Saprolite — tan, sandy, micaceous; fragments of weathered biotite gneiss and vein quartz
50-60	"
60-70	"
70-80	"
80-90	" very micaceous
90-100	" "
100-110	Biotite gneiss — medium gray, fine grained, well foliated, micaceous; quartz, feldspar, biotite, sericite, and traces of garnet and vein quartz
110-120	"
120-130	" some snowball garnets
130-140	"
140-150	"
150-160	"
160-170	"
170-180	"

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180-190	Biotite gneiss — medium gray, fine grained, well foliated, micaceous; quartz, feldspar, biotite, sericite, and traces of garnet and vein quartz
190-200	"
200-210	Diabase (?) — dark gray, very fine grained, massive; hornblende (?) and feldspar
210-220	" with small amount of white vein quartz
220-230	"
230-240	"
240-250	"
250-260	"
260-270	"
270-280	Biotite gneiss — medium gray, fine grained, well foliated, micaceous; quartz, feldspar, biotite, sericite, and traces of garnet and vein quartz; some garnets show rotation
280-290	"
290-300	"
300-310	"
310-320	"
320-330	"
330-340	"
340-350	" with a few fragments of pyrite-rich sericite schist
350-360	"
360-370	"
370-380	"

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- 380-390            Biotite gneiss — medium gray, fine grained, well foliated, micaceous; quartz, feldspar, biotite, sericite, and traces of garnet and vein quartz; some garnets show rotation
- 390-400            Biotite gneiss — medium gray, fine grained, well foliated, micaceous; quartz, feldspar, biotite, sericite, and traces of garnet and vein quartz; some garnets show rotation; small amount of sillimanite in the gneiss and few fragments of sillimanite schist
- 400-410            "
- 410-420            "
- 420-430            "
- 430-440            "
- 440-450            "
- 450-460            "
- 460-470            "
- 470-480            "

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-100'	Saprolite	—
100-480'	Biotite gneiss	Precambrian (?)

Virginia Division of Mineral Resources  
T. M. Gathright, Geologist  
January 21, 1969