

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

VDMR: 2334
WWCR: 480

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

B-3667
Charlottesville, VA 22903

JAMES L. CALVER, COMMISSIONER

McCormick Road
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: T. D. Steele Mailing Address: Starkey, Va.
TENANT: Craighead Water Co. Mailing Address: "
DRILLER: Nelson-Roanoke Corp. Mailing Address: Roanoke, Virginia
WELL LOCATION: County Roanoke Approx. 1/4 ^{xftank} miles west (direction) of
U. S. Highway 220 and feet miles at (direction) of Starkey intersection

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

DATE STARTED: 10/3/68 DATE COMPLETED: 10/7/68

TYPE OF DRILL RIG USED: air rotary TOTAL DEPTH 490 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 hrs., min.

HOLE SIZE: 8 3/4 inches from 0 to 20 feet
6 inches from 20 to 490 feet
 inches from to feet

SCREEN SIZE: inches from to feet

WATER ZONES: from 85 ~~X~~ (3 gpm) feet
from 200 ~~X~~ (17 gpm) feet
from to feet

CASE SIZE: 6 1/4 inches from 0 to 20 feet
 inches from to feet
 inches from to feet

WATER: Color Taste
Odor Temp. °F

GROUTING: Method None *
Material Depth feet

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

PUMP: Type
Capacity gal per min
Depth of intake feet

WATER ANALYSIS AVAILABLE: Yes No X

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: * Casing pulled; well temporarily abandoned.

INTERVAL SHEET

Page 1 of 1

WWCR: 480
VDMR Well No: 2334

Date rec'd: 12/4/68

Sample Interval: from 0 to: 490'

PROP: Craighead Water Co. (T. D. Steele)

Number of samples: 50

COMP: Nelson-Roanoke Corp.

Total Depth: 490'

COUNTY: Roanoke (Starkey)

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	480 - 490	-	-
190 - 200	490 -	-	-
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 and unwashed samples.

OWNER: Craighead Water Company (T. D. Steele)
DRILLER: Nelson-Roanoke Corporation
COUNTY: Roanoke (Starkey)

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TOTAL DEPTH: 490'

GEOLOGIC LOG

Depth
in feet

0-10	Saprolite — red, slightly sandy, clay
10-20	" yellowish-brown
20-30	Dolomite — dark-gray, fine- to medium-grained; trace of vein dolomite
30-40	"
40-50	"
50-60	"
60-70	"
70-80	"
80-90	" minor amount of brecciated dolomite
90-100	" "
100-110	"
110-120	"
120-130	"
130-140	Dolomite — medium- to dark-gray, fine- to medium- grained; trace of vein dolomite
140-150	"
150-160	" and trace of pyrite
160-170	" with trace of siderite (?)
170-180	" "
180-190	" "

OWNER: Craighead Water Company (T. D. Steele)

#2334

190-200	Dolomite — medium- to dark-gray, fine- to medium-grained; traces of vein dolomite and siderite (?)
200-210	"
210-220	" with trace of pyrite
220-230	" "
230-240	" no pyrite
240-250	" "
250-260	" "
260-270	Shale — reddish-brown, silty, slightly fissile; minor amounts of greenish shale and medium- and dark-gray dolomite; trace of calcite
270-280	" with trace medium-gray chert
280-290	"
290-300	" with trace of pyrite
300-310	"
310-320	Shale — reddish-brown, silty, slightly fissile; minor amounts of greenish shale and medium- and dark-gray dolomite; trace of calcite
320-330	"
330-340	"
340-350	"
350-360	"
360-370	"
370-380	Shale — reddish-brown, silty, slightly fissile; minor amount of slightly dolomitic, greenish shale; traces of chert and pyrite

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#2334

380-390 Shale — reddish-brown, silty, slightly fissile; minor amount of slightly dolomitic, greenish shale; traces of chert, pyrite, and dark-gray dolomite

390-400 Shale — reddish-brown, silty, slightly fissile; minor amount of slightly dolomitic, greenish shale; traces of chert and pyrite

400-410 "

410-420 "

420-430 " with fragments of vein dolomite

430-440 "

440-450 " with minor amount of dark-gray dolomite

450-460 " "

460-470 Shale — reddish-brown, silty, slightly fissile; minor amount of slightly dolomitic, greenish shale; traces of chert, pyrite, and dark-gray dolomite

470-480 "

480-490 "

490 "

GEOLOGIC SUMMARY

	<u>Rock Unit</u>	<u>Age</u>
0-20'	Saprolite	—
20-490'	Rome Formation	Early Cambrian

Virginia Division of Mineral Resources
W. W. Winters, Geologist
December 10, 1968