

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W-2612
C-91

MAILING ADDRESS:
Box 3667
Charlottesville, VA 22903

DIVISION OF MINERAL RESOURCES

JAMES L. CALVER, COMMISSIONER

OFFICE ADDRESS:
McCormick Road
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: Tinkerview Water Company Mailing Address: Daleville, Va.

TENANT: _____ Mailing Address: _____

DRILLER: Nelson-Roanoke Corporation Mailing Address: P. O. Box 2827, Roanoke, Va.

WELL LOCATION: County Botetourt Approx. 1/2 ^{***} miles northwest (direction) of
Daleville and 1/4 ^{***} miles north (direction) of St. Rd. 779

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

DATE STARTED: June 26, 1969 DATE COMPLETED: June 27, 1969

TYPE OF DRILL RIG USED: Air Rotary TOTAL DEPTH 185 feet

WATER LEVEL: Stands _____ feet below surface OR

has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Air drill

Drawdown _____ feet

Rate 200 gal. per min.

Duration 2 hrs., _____ min.

WATER ZONES: from 90'(30 GPM) to _____ feet

from 155'(170 GPM) to _____ feet

from _____ to _____ feet

WATER: Color _____ Taste _____

Odor _____ Temp. _____ °F

WELL TO SUPPLY: (check one) Home _____

Farm _____ Town _____ School _____

Industry _____ Other Sub-Division

WATER ANALYSIS AVAILABLE: Yes _____ No _____

DRILL CUTTINGS SAVED: Yes 18 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 inches from 0 to 63 feet

6 inches from 63 to 185 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 63 feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

GROUTING: Method _____

Material Cement Depth 63 feet

PUMP: Type _____

Capacity _____ gal. per min

Depth of intake _____ feet

VIRGINIA DIVISION OF MINERAL RESOURCES
Box 3667, Charlottesville, VA 22903

INTERVAL SHEET

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Well Repository No: 2612

Date rec'd: 7-18-69

Sample Interval: from 0' to: 180'

PROPERTY: Tinkerview Water Co.

Number of samples: 18

COMPANY: Nelson-Roanoke Corp.

Total Depth: 185'

COUNTY: Botetourt (^{Dale}~~T~~ville)

Oil or Gas: Water: Exploratory:

From - To	From - To	From - To	From - To
0 _ 10	-	-	-
10 _ 20	-	-	-
20 _ 30	-	-	-
30 _ 40	-	-	-
40 _ 50	-	-	-
50 _ 60	-	-	-
60 _ 70	-	-	-
70 _ 80	-	-	-
80 _ 90	-	-	-
90 _ 100	-	-	-
100 _ 110	-	-	-
110 _ 120	-	-	-
120 _ 130	-	-	-
130 _ 140	-	-	-
140 _ 150	-	-	-
150 _ 160	-	-	-
160 _ 170	-	-	-
170 _ 180	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

All intervals have both washed and unwashed samples.



OWNER: Tinkerview Water Co.
DRILLER: Nelson - Roanoke Corp.
COUNTY: Botetourt (Daleville)

W # 2612
C # 91
T.D. - 185'

GEOLOGIC LOG

Depth
in feet

0-10	Overburden — sandy, clayey light-brown soil with angular limestone and dolomite fragments; a few sub-rounded sandstone chips, some of which are iron-oxide stained
10-20	" increase in amount of rock fragments
20-30	" very few rock fragments
30-40	" " , with increase in amount of iron-oxide stains
40-50	Overburden and partially - weathered limestone — overburden contains some dolomite, sandstone and vein calcite fragments; limestone is light gray and fine grained
50-60	Limestone - partially weathered; light and medium gray, fine grained, angular and sub-angular fragments with minor amounts of brecciated limestone, light-tan saccharoidal limestone, and dark-gray dolomitic limestone; a few pieces of vein and crystalline calcite
60-70	Limestone — gray, fine grained; a few very dark gray dolomite chips, brecciated limestone fragments, pieces of calcareous limestone, and iron -oxide stains
70-80	" " with vein calcite

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<u>Depth in feet</u>			
80-90	"	"	with increase in amount of calcite, dolomite and saccharoidal limestone
90-100	"	"	
100-110	Limestone	—	dolomitic, dark gray, medium grained; minor amounts of light gray and saccharoidal limestone and vein calcite; one pyrite cube
110-120	Limestone	—	light gray, saccharoidal; some very fine grained fragments and dark gray dolomite chips; a few fragments are iron-oxide stained and some are encrusted by minute calcite crystals
120-130	"	"	with some banded chips and brecciated fragments
130-140	"	"	with about 20% dark-gray dolomitic limestone; vein and crystalline calcite; considerable amount of partially-weathered small limestone and sandstone fragments; iron-oxide staining
140-150	"	"	" but only 10% dark-gray dolomitic limestone
150-160	Limestone	—	partially weathered, light and dark gray, small chips; about 30% of sample is fresh, fine-grained, light gray limestone; iron-oxide stains, pyrite cubes, vein and crystalline calcite
160-170	Limestone	—	light and medium gray, medium grained; considerable amount of small weathered chips and iron-oxide stains; a few brecciated fragments; large amount of crystalline calcite growths, some of the "golden" calcite variety
170-180	"	"	"
180-185	No Sample		

GEOLOGIC SUMMARY

<u>Interval</u>	<u>Rock Unit</u>	<u>Age</u>
0-40'	Overburden	-----
40-60'	Elbrook Formation - partially weathered	Early Cambrian
60-180'	Elbrook Formation - brecciated and "honeycombed" light- gray limestone with interbedded dark-gray dolomite and tan sandstone	" "

Virginia Division of Mineral Resources

Richard H. DeKay
7/2/70