

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

w-4088
C-121

MAILING ADDRESS:
B-3667
Charlottesville, VA 22903

DIVISION OF MINERAL RESOURCES
JAMES L. CALVER, COMMISSIONER
WATER WELL COMPLETION REPORT

OFFICE ADDRESS:
McCormick Road
Charlottesville, Virginia

OWNER: U. S. Government Canine Training Center Mailing Address: Front Royal, Virginia

TENANT: _____ Mailing Address: _____

DRILLER: Leazer Pump & Well Co., Inc. Mailing Address: Remington, Virginia

WELL LOCATION: County Warren Approx. 1 ~~xxxx~~ miles south (direction) of
Rte. 522 on Rte. 604 and 800 ~~xxxx~~ feet west (direction) of Rte. 604

(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 2, 1974 DATE COMPLETED: December 20, 1974

TYPE OF DRILL RIG USED: Rotary Fluid/Air Drill TOTAL DEPTH 300 feet

WATER LEVEL: Stands 60 feet below surface OR
has NATURAL flow of 0 gallons per minute.

YIELD TEST: Method Air Test
Drawdown 300 feet
Rate 17 gal. per min.
Duration 8 hrs., 0 min.

HOLE SIZE: 10 inches from 0 to 34 feet
6-1/4 inches from 34 to 300 feet
_____ inches from _____ to _____ feet

WATER ZONES: from 61 to 63 feet
from 139 to 141 feet
from 284 to 286 feet

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

WATER: Color Clear Taste OK
Odor None Temp. N/A °F

CASE SIZE: 6-1/4 inches from 0 to 34 feet
4 inches from +3 to 60 feet
_____ inches from _____ to _____ feet

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

GROUTING: Method Pressure
Material cement/water Depth 60 feet

WATER ANALYSIS AVAILABLE: Yes No _____

PUMP: Type _____
Capacity _____ gal. per min.
Depth of intake _____ feet

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: Geologic log requested. Send to Harold E. Leazer, Rt. 3, Mill Run Acres, Warrenton, Virginia 22186

LOG

FURNISHED BY: Harold E. Leazer

DATE: 1-22-75

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	Overburden, Weathered Catoctin Mt. Basalt, etc. Boulders and loose gravel	
10	20	Same	
20	30	Same	
30	40	Same 32-40 Catoctin Mt. (consolidated)	
40	50	Catoctin Mt. Greenstone, etc.	
50	60	Same	
60	70	Same	
70	80	Catoctin Mt. some variations	
90	300	Same	

(Use additional forms if necessary)

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

INTERVAL SHEET

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Well Repository No: 4088

Date rec'd: 1/27/75 Date Processed: 1/28/75

Sample Interval: from 0 to: 300'

PROPERTY: U. S. Canine Training Center

Number of samples: 30

COMPANY: Leazer Pump & Well Co.

Total Depth: 300'

COUNTY: Warren (Front Royal)

Oil or Gas: Water: XExploratory:

From - To	From - To	From - To	From - To
0 - 10	250-260	-	-
10 - 20	260-270	-	-
20 - 30	270-280	-	-
30 - 40	280-290	-	-
40 - 50	290-300	-	-
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	-	-	-
180 - 190	-	-	-
190 - 200	-	-	-
200 - 210	-	-	-
210 - 220	-	-	-
220 - 230	-	-	-
230 - 240	-	-	-
240 - 250	-	-	-

Unwashed samples only

OWNER: U. S. Government
(Canine Training Center)
DRILLER: Leazer Pump & Well Co.
COUNTY: Warren (Front Royal)

W#: 4088
C#: 121
TD: 300 ft.

GEOLOGIC LOG

Depth (ft.)

0- 10	OVERBURDEN (0-10')	Very weathered, light-brown metabasalt fragments comprise 75% of the sample; the remaining 25% is composed of relatively unweathered, dark purple-green metabasalt chips with minor amounts of red jasper, pale-green epidote and clear vein quartz.
10- 20	CATOCTIN FORMATION (10-300')	Unweathered, dark purple-green, fine-grained metabasalt fragments composed of quartz, epidote and feldspar; some fragments are entirely made up of epidosite and quartz, and a few have gash-veined quartz and red jasper. Less than 10% of the sample shows any indication of weathering.
20- 30	"	"
30- 40	"	no weathered material
40- 50	"	"
50- 60	"	"
60- 70	"	"
70- 80	"	"
80- 90	"	"
90-100	"	"
100-300	"	"

Virginia Division of Mineral Resources
Ernest B. Nuckols III, Geologist
January 28, 1975