

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:

B 3667
C Charlottesville, VA 22903

DIVISION OF MINERAL RESOURCES

JAMES L. CALVER, COMMISSIONER

OFFICE ADDRESS:

McCormick Road
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: Captain Graves Mailing Address: Warrenton, Va.

TENANT: Ashland Farms Mailing Address: _____

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

WELL LOCATION: County Fauquier Approx. 4 ^{feet} miles west (direction) of
Warrenton on Rt. 211 and 120 ^{feet} ~~miles~~ north (direction) of Highway 211

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

DATE STARTED: Nov. 20, 1972 DATE COMPLETED: Nov. 21, 1972

TYPE OF DRILL RIG USED: Air rotary TOTAL DEPTH 160 feet

WATER LEVEL: Stands 45 feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Air
Drawdown 160 feet
Rate 15 gal. per min.
Duration 2 hrs., 0 min.

HOLE SIZE: 8 3/4 inches from 0 to 29 feet
6 1/8 inches from 29 to 160 feet
_____ inches from _____ to _____ feet
SCREEN SIZE: _____ inches from _____ to _____ feet

WATER ZONES: from 134 to 135 feet
from _____ to _____ feet
from _____ to _____ feet

_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet
CASE SIZE: 6 1/4 inches from 0 to 29 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

WATER: Color clear Taste OK
Odor none Temp. N/A °F

GROUTING: Method Natural
Material _____ Depth 29 feet

WELL TO SUPPLY: (check one) Home x
Farm _____ Town _____ School _____
Industry _____ Other _____

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

WATER ANALYSIS AVAILABLE: Yes x No _____

DRILL CUTTINGS SAVED: Yes 16 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: _____

FURNISHED BY: Harold E. Leazer

DATE: 11/28/72

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	
10	20	Overburden - greenstone residue	
20	30	Greenstone, weathered	
30	130	Greenstone	
130	140	Greenstone	134'-135' - apparent fracture or joint (water)
140	160	Greenstone	

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

INTERVAL SHEET

C- 168

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Well Repository No: 3640

Date rec'd: 11-28-72 Date Processed: 12-13-72

Sample Interval: from 0 to: 160

PROPERTY: Captain Graves
(Ashland Farms)

Number of samples: 16

COMPANY: Leazer Pump & Well Co.

Total Depth: 160

COUNTY: Fauquier (*waterloo*)

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	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

All intervals have both washed and unwashed samples

OWNER: Capt. Graves (Ashland Farms)
DRILLER: Leazer Pump & Well Co.
COUNTY: Fauquier (Waterloo)

W # 3640
C # 168
TD: 160'

GEOLOGIC LOG

Depth
(feet)

0-20 Soil — yellow-brown, sandy; composed of very fine-grained particles and 1/2 to 1 mm resistant mineral grains. The very fine-grained particles are mainly clay minerals and microscopic quartz grains; the resistant minerals are mostly clear quartz and minor amounts of garnet and tourmaline.

20-160 Metamorphosed diabase — dark green, fine grained, composed of randomly-oriented, elongate, albite-twinning plagioclase laths, amphibole, epidote and quartz; minor amount of pyrite in some samples.

GEOLOGIC SUMMARY

<u>Rock Unit</u>	<u>Thickness (feet)</u>	<u>Age</u>
Soil	20	—
Metadiabase	140	Precambrian(?)

Virginia Division of Mineral Resources
Paul G. Nystrom, Jr., Geologist
December 20, 1972