

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

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: George F. Doyle Mailing Address: Amissville, Virginia

TENANT: _____ Mailing Address: _____

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

WELL LOCATION: County Rappahannock Approx. 2 ~~feet~~ ^{miles} east (direction) of
Amissville and 1000 ~~feet~~ ^{feet} south (direction) of U. S. Hwy. 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: August 11, 1971 DATE COMPLETED: August 13, 1971

TYPE OF DRILL RIG USED: air rotary TOTAL DEPTH 355 feet

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

YIELD TEST: Method air pumped
Drawdown 310 feet
Rate 1 gal. per min.
Duration 4 hrs., 0 min.

HOLE SIZE: 8 3/4 inches from 0 to 36 feet
6 inches from 36 to 355 feet
_____ inches from _____ to _____ feet

SCREEN SIZE: _____ inches from _____ to _____ feet

WATER ZONES: from _____ to _____ feet
from _____ to _____ feet
from _____ to _____ feet

_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

WATER: Color clear Taste _____
Odor none Temp. _____ °F

CASE SIZE: 6 1/4 inches from 0 to 36 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

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

GROUTING: Method natural
Material cuttings Depth _____ feet

WATER ANALYSIS AVAILABLE: Yes X No _____
DRILL CUTTINGS SAVED: Yes 36 No _____

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

(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: _____

LOG

FURNISHED BY: Harold E. Leazer

DATE: 9-25-71

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	20	Red dirt - white sandy soil	
20	30	Soft sand-like dirt - some rock	
30	40	Weathered rock - granite & some gneiss	
40	50	Weathered rock - granite	
50	70	Mostly granite	
70	90	Granite	
90	100	Granite? quartz with various colored crystals	
100	110	Granite? quartz with green crystals - no pink feldspar	
110	120	Some granite - diabase (gabbro)	
120	130	Mostly gabbro	
130	220	Mostly granite	
220	230	Granite and quartz layers at 228'	
230	260	Granite	
260	270	Granite - some gabbro	
270	290	Granite	
290	300	Granite - traces of gabbro?	
300	310	Granite	
310	320	Granite - traces of gabbro	
320	330	Granite	
330	340	Granite and quartz layers	
340	355	Granite	

(Use additional forms if necessary)

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

INTERVAL SHEET

C-37

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Well Repository No: 3263

Date rec'd: 9/13/71 processed: 10/1/71

Sample Interval: from 0 to: 355'

PROPERTY: George F. Doyle

Number of samples: 36

COMPANY: Leazer Pump & Well Co.

Total Depth: 355'

COUNTY: Rappahannock (Amissville)

Oil or Gas: Water: Exploratory:

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	300 - 310	-	-
60 - 70	310 - 320	-	-
70 - 80	320 - 330	-	-
80 - 90	330 - 340	-	-
90 - 100	340 - 350	-	-
100 - 110	350 - 355	-	-
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	-	-	-

All intervals have both washed and unwashed samples



OWNER: George F. Doyle
DRILLER: Leazer Pump & Well Co.
COUNTY: Rappahannock (Amisville)

W-3263
C-37
T.D. -355'

GEOLOGIC LOG

Depth
(in feet)

0-10	Saprolite – light orange-brown, with fragments of quartz and weathered feldspar
10-20	Saprolite – very light gray, with fragments of quartz and weathered feldspar
20-30	" with some biotite and weathered fragments of granitic rock
30-40	Granite – very light gray, weathered, with quartz, feldspar, biotite
40-50	"
50-60	"
60-70	Granite – light gray, greasy luster; quartz, feldspar and biotite; the biotite is very fine-grained and disseminated as streaks and clots throughout the granulated quartz and feldspar groundmass; minor amount of sericite along slickensides and some amphiboles
70-80	"
80-90	"
90-100	"
100-110	"
110-120	"
120-130	" with vein quartz
130-140	" with some pink feldspar

140-150	Granite – light gray, greasy luster; quartz, feldspar and biotite; the biotite is very fine-grained and disseminated as streaks and clots throughout the granulated quartz and feldspar groundmass; minor amount of sericite along slickensides and some amphiboles
150-160	"
160-170	"
170-180	"
180-190	"
190-200	"
200-210	"
210-220	"
220-230	"
230-240	" with pink feldspar
240-250	"
250-260	"
260-270	"
270-280	"
280-290	"
290-300	"
300-310	"
310-320	"

- 320-330 Granite — light gray, greasy luster; quartz, feldspar and biotite; the biotite is very fine-grained and disseminated as streaks and clots throughout the granulated quartz and feldspar groundmass; minor amount of sericite along slickensides and some amphiboles
- 330-340 " with vein quartz
- 340-350 "
- 350-355 "

GEOLOGIC SUMMARY

<u>Thickness (ft.)</u>	<u>Rock Unit</u>	<u>Age</u>
0-30	Saprolite	-
30-355	Marshall Formation	Precambrian

Virginia Division of Mineral Resources
Thomas M. Gathright, II, Geologist
October 5, 1971