W-6714
C-273

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:
Box 3667
Charlottesville, VA 22903

DIVISION OF MINERAL RESOURCES

JAMES L. CALVER, COMMISSIONER

WATER WELL COMPLETION REPORT

OFFICE ADDRESS:
McCormick Road
Charlottesville, Virginia

OWNER: County Water & Sanitation Authority Mailing Address: Warrenton, VA 22186

TENANT: _____ Mailing Address: _____

DRILLER: Leazer Bros., Inc. Mailing Address: Remington, VA 22734

WELL LOCATION: County Fauquier Approx. ½ ~~feet~~ miles north (direction) of St. Rts. 605 and 674 int. and 1200 ~~feet~~ ESE (direction) of St. Rt. 674

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

DATE STARTED: 3/22/84 DATE COMPLETED: 3/27/84

TYPE OF DRILL RIG USED: Air rotary TOTAL DEPTH 342 feet

WATER LEVEL: Stands 9½ feet above ~~below~~ surface OR

has NATURAL flow of ? gallons per minute.

YIELD TEST: Method Pump

Drawdown 146.77 feet

Rate 220 gal. per min.

Duration 48 hrs., 0 min.

WATER ZONES: from 89 to 90 feet
99 101
from 281 to 282 feet
288 290
PWBZ from 324 to 326 feet

WATER: Color _____ Taste _____

Odor _____ Temp. _____ °F

WELL TO SUPPLY: (check one) Home _____

Farm _____ Town _____ School _____

Industry _____ Other Municipality

WATER ANALYSIS AVAILABLE: Yes _____ No X

DRILL CUTTINGS SAVED: Yes X No _____

HOLE SIZE: 10 inches from 0 to 51 feet
6¼ inches from 51 to 342 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 54 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

GROUTING: Method _____

Material _____ Depth 51 feet

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: LBI Well Log No. 03-001

(LOG OF WELL) OVER

LOG

FURNISHED BY: Leazer Bros., Inc. DATE: 3/28/84

DEPTH (feet) FROM	TO	TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
0	10	Clayey Soil	89-90 10 GPM
10	20	Fine, wet, sandy loam; some clayey material	95-97
			99-101 40 GPM Cumulative
20	30	Ditto (10-20)	279-280
30	40	Some fine, sandy, micaceous material; some layered, hard schist	281-282 50 GPM "
			288-290 65 GPM "
40	60	Some quartz; silty schist	324-326 150 "
60	342	Predominantly schist with some occasional quartz; some of the schist is more silty and micaceous than some of the samples. Varying degrees of hardness	Ran 4 hr air lift test using flume; at end of test, flume indicated a flow from 172-188.5 GPM
		(Wissahickkon?)	

(Use additional forms if necessary)

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

INTERVAL SHEET

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Well Repository No.: W-6714
C-273

Date rec'd: 6/1/84 Date Processed: 6/8/84

Sample Interval: from 0 to: 342'

PROPERTY: County Water & Sanitation Authority

Number of samples: 34

COMPANY: Leazer Bros., Inc.

Total Depth: 342'

COUNTY: Fauquier (Warrenton)

Oil or Gas: Water: Exploratory:

From-To	From-To	From-To	From-To	From-To
0-10	300-310	-	-	-
10-20	310-320	-	-	-
20-30	320-330	-	-	-
30-40	330-342	-	-	-
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	-	-	-	-
180-190	-	-	-	-
190-200	-	-	-	-
200-210	-	-	-	-
210-220	-	-	-	-
220-230	-	-	-	-
230-240	-	-	-	-
240-250	-	-	-	-
250-260	-	-	-	-
260-270	-	-	-	-
270-280	-	-	-	-
280-290	-	-	-	-
290-300	-	-	-	-

OWNER: County Water & Sanitation Authority
DRILLER: Leazer Bros., Inc.
COUNTY: Fauquier (Warrenton)

VDMR: 6714
WWCR: 273
TOTAL DEPTH: 342'

GEOLOGIC LOG

Depth in Feet	
0 - 10	Colluvial Saprolite - light orangish-brown, unconsolidated, heavily weathered soil composed of residual clay, angular quartz fragments, bits of mica, and rootlets
10 - 20	Saprolite - light brownish-orange, weathered schist composed of schist fragments, decomposed feldspar and mica chips, quartz and tiny rootlets
20 - 30	Schist - dark brownish-orange, weathered mica schist composed of dark gray schist fragments in a weathered matrix of quartz, feldspar and mica
30 - 40	Biotite-Muscovite Schist - light silvery gray, fine-grained well-foliated schist composed of biotite, muscovite, quartz, some minor feldspar
40 - 50	Biotite Schist and Gneiss - light gray, fine-grained, well-foliated gneiss composed of biotite, muscovite (chlorite), abundant quartz and some minor feldspar
50 - 60	Mica Schist - light silvery-gray, medium-grained, biotite-muscovite schist composed of biotite (some chlorite alteration) muscovite, quartz and feldspar, some minor vein quartz
60 - 70	"
70 - 80	"
80 - 90	"
90 - 100	"
100 - 110	" slight increase in grain size
110 - 120	" " " " " "
120 - 130	" " " " " "
130 - 140	"
140 - 150	"
150 - 160	"
160 - 170	"
170 - 180	"

180 - 190	"
190 - 200	"
200 - 210	Muscovite Schist - light silvery-gray, medium-grained schist composed predominantly of muscovite with minor biotite, quartz and feldspar
210 - 220	"
220 - 230	"
230 - 240	Biotite-Muscovite Schist - dark silvery-gray, medium-grained, well-foliated, moderately lineated biotite schist composed of biotite, muscovite, quartz and feldspar
240 - 250	"
250 - 260	"
260 - 270	"
270 - 280	"
280 - 290	"
290 - 300	"
300 - 310	"
310 - 320	"
320 - 330	"
330 - 342	"

GEOLOGIC SUMMARY

	Rock Unit	Age
0 - 20'	Unconsolidated colluvium grading to saprolite	——
20 - 342'	Wissahickon Schist	Precambrian

John D. Marr, Geologist
June 7, 1984