

OWNER: H. L. Pettey (West Locust Hill Farm, Well #3) VDMR: 2191
DRILLER: Sydnor Hydrodynamics, Inc. WWCR: 1038
COUNTY: Albemarle (Ivy) TOTAL DEPTH: 250'

GEOLOGIC LOG

<u>Depth in feet</u>	
0-20	Biotite-chlorite schist — gray and tan, iron-oxide stains on many fragments, very fine-grained, foliated, gneissic; biotite, chlorite, feldspar, and quartz
20-35	" minor amount of chlorite; more iron-oxide stained
35-50	" trace of chlorite
50-65	Biotite schist — gray, very fine-grained, foliated, sheared, gneissic; biotite, feldspar, and quartz
65-80	"
80-95	"
95-110	"
110-125	"
125-140	Biotite gneiss — gray, fine-grained, sheared, foliated; feldspar, biotite, quartz, and trace of pink quartz
140-155	"
155-170	" medium-grained; trace of chlorite
170-185	Biotite-chlorite schist — greenish-gray, fine-grained, foliated; biotite, and chlorite, with minor amounts of feldspar and quartz
185-205	Biotite granite — gray, medium-to coarse-grained, non-foliated; feldspar and quartz (white and pink), with minor amount of biotite
205-220	"
220-235	"
235-250	Biotite gneiss — gray, medium-to fine-grained, foliated, sheared; feldspar, quartz, and biotite

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#2191

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>AGE</u>
0-250'	Lovingston Formation	Precambrian

Virginia Division of Mineral Resources
Robert G. Willson, Geologist
June 5, 1968

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VDMR-2191
WWCR-1038

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: H. L. Pettey Mailing Address: Ivy, Va. 22945

TENANT: West Locust Hill Farm, well #3 Mailing Address: 11

DRILLER: Sydnor Hydrodynamics, Inc. Mailing Address: P.O. Box 1476, Richmond, Va.

WELL LOCATION: County Albemarle Approx. 1/2 ~~xxxx~~ miles west (direction) of Ivy and 1200 ~~600~~ feet ~~xxxx~~ north (direction) of U.S. Hwy Rt. 250

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

DATE STARTED: 2-20-68 DATE COMPLETED: 2-23-68

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 250 feet

WATER LEVEL: Stands 12 feet below surface OR

has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Air lift

Drawdown _____ feet

Rate 6 gal. per min.

Duration _____ hrs., _____ min.

WATER ZONES: from 48 to _____ feet

from _____ to _____ feet

from _____ to _____ feet

WATER: Color _____ Taste _____

Odor _____ Temp. _____ °F

WELL TO SUPPLY: (check one) Home

Farm _____ Town _____ School _____

Industry _____ Other _____

WATER ANALYSIS AVAILABLE: Yes _____ No

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: well #3

16 samples

HOLE SIZE: 8 3/4 inches from 0 to 18 feet

5 inches from 18 to 250 feet

_____ inches from _____ to _____ feet

SCREEN SIZE: _____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

CASE SIZE: 5 inches from +1 to 18 feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

GROUTING: Method None

Material _____ Depth _____ feet

PUMP: Type _____

Capacity _____ gal. per min

Depth of intake _____ feet

LOG

FURNISHED BY: SYDNOR HYDRODYNAMICS, INC. DATE: April 30, 1968

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	17	Clay	
17	23	Gray slate	
23	48	Weathered slate (6 GPM)	
48	150	Gray slate	
150	250	Gray granite	