

OWNER: H. L. Pettey (West Locust Hill Farm, Well #2) VDMR: 2190
 DRILLER: Sydnor Hydrodynamics, Inc. WWCR: 1037
 COUNTY: Albemarle (Ivy) TOTAL DEPTH: 280'

GEOLOGIC LOG

<u>Depth in feet</u>	
0-3	No sample
3-18	Biotite gneiss — gray to dark-gray, medium- to coarse-grained, micaceous, foliated, sheared; feldspar, biotite, quartz, and trace of pink quartz
18-33	"
33-48	"
48-63	"
63-78	"
78-93	"
93-118	"
118-133	"
133-148	"
148-163	"
163-178	"
178-193	"
193-218	"
218-233	" less sheared
233-248	" " medium-grained; minor amount of chlorite
248-263	" " "
263-278	" " "
278-280	No sample

OWNER: H. L. Pettey (West Locust Hill Farm, Well #2)

#2190

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>AGE</u>
0-3'	No sample	—
3-278'	Lovington Formation	Precambrian
278-280'	No sample	—

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

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P

VOUR - 2190
WWCR - 1037

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:
Box 3667
Charlottesville, VA 22903

DIVISION OF MINERAL RESOURCES

JAMES L. CALVER, COMMISSIONER

OFFICE ADDRESS:
McCormick Road
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

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

TENANT: West Locust Hill Farm, well #2 Mailing Address: 11

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

WELL LOCATION: County Albemarle Approx. 1/2 ~~0.6~~ miles west (direction) of Ivy and 500 ~~1800~~ feet 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: 2-14-68 DATE COMPLETED: 2-19-68

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 280 feet

WATER LEVEL: Stands 10 feet below surface OR

has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Air lift

Drawdown _____ feet

Rate 1+ gal. per min.

Duration _____ hrs., _____ min.

WATER ZONES: from 38 to 40 feet

from _____ to _____ feet

from _____ to _____ feet

WATER: Color _____ Taste _____

Odor _____ Temp. _____ °F

WELL TO SUPPLY: (check one) Home X

Farm _____ Town _____ School _____

Industry _____ Other _____

WATER ANALYSIS AVAILABLE: Yes _____ No X

DRILL CUTTINGS SAVED: Yes X 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 #2

17 samples

HOLE SIZE: 8 3/4 inches from 0 to 17 feet

5 inches from 17 to 280 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 17 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	3	Clay	
3	38	Gray granite	
38	40	Weathered granite (1 GPM)	
40	280	Gray granite	
Empty space for additional data			