

INTERVAL SHEET WWCR 1036

Page 1 of 1

VDMR Well No: 2189

Date rec'd: 5/22/68

Sample Interval: from 50 to: 490'

PROP: H. L. Pettey (Well #1)

Number of samples: 27

COMP: Sydnor Hydrodynamics, Inc.

Total Depth: 490'

COUNTY: Albemarle (Ivy)

Oil or Gas: Water: X Exploratory:

From-To	From-To	From-To	From-To
No samples	-	-	-
50 - 70	-	-	-
70 - 85	-	-	-
85 - 100	-	-	-
100 - 115	-	-	-
115 - 130	-	-	-
130 - 145	-	-	-
145 - 160	-	-	-
160 - 175	-	-	-
175 - 190 *	-	-	-
190 - 205	-	-	-
205 - 220	-	-	-
-	-	-	-
235 - 250	-	-	-
250 - 265 *	-	-	-
265 - 280 *	-	-	-
280 - 295	-	-	-
295 - 310	-	-	-
310 - 325	-	-	-
325 - 340	-	-	-
-	-	-	-
355 - 370 *	-	-	-
370 - 385 *	-	-	-
385 - 400	-	-	-
400 - 415	-	-	-
415 - 430	-	-	-
430 - 445	-	-	-
445 - 460	-	-	-
460 - 475	-	-	-
475 - 490	-	-	-

* Unwashed samples only

OWNER: H. L. Pettey (West Locust Hill Farm, Well #1)
DRILLER: Sydnor Hydrodynamics, Inc.
COUNTY: Albemarle (Ivy)

VDMR: 2189
WWCR: 1036
TOTAL DEPTH: 490'

GEOLOGIC LOG

<u>Depth in feet</u>	
0-50	No samples
50-70	Biotite gneiss — tan to tannish-gray, slightly weathered, medium grained, lineated to foliated; feldspar, quartz, biotite, and traces of pink quartz
70-85	" unweathered
85-100	" "
100-115	" "
115-130	" "
130-145	" " increase in amount of biotite; trace of amphiboles
145-160	Biotite-amphibole gneiss — dark-gray to black, fine-grained, schistose, foliated; biotite, amphiboles, feldspar, quartz, and trace of pyrite
160-175	Biotite gneiss — gray, medium- to fine-grained, lineated to foliated; feldspar, quartz, biotite, and trace of pink quartz
175-190	"
190-205	"
205-220	"
220-235	No sample
235-250	Biotite gneiss — gray, medium- to fine-grained, lineated to foliated; feldspar, quartz, biotite, and trace of pink quartz
250-265	"
265-280	"
280-295	"
295-310	"

OWNER: H. L. Pettey (West Locust Hill Farm, Well #1) #2189

- 310-325 Biotite schist — black, fine-grained, well-foliated, some gneissic fragments; biotite, feldspar, quartz, and trace of garnet
- 325-340 Biotite gneiss — gray, medium-grained, foliated; feldspar, biotite, quartz, and trace of garnet
- 340-355 No sample
- 355-370 Biotite gneiss — gray, medium-to fine-grained, foliated; feldspar, biotite, quartz, and trace of pink quartz
- 370-385 "
- 385-400 "
- 400-415 "
- 415-430 "
- 430-445 "
- 445-460 "
- 460-475 Biotite schist — dark-gray, fine-grained, foliated, gneissic; biotite, feldspar, and quartz
- 475-490 Biotite gneiss — gray, medium-to fine-grained, foliated; feldspar, quartz, biotite, and trace of pink quartz

GEOLOGIC SUMMARY

	<u>ROCK UNIT</u>	<u>AGE</u>
0-50'	No samples	
50-490'	Lovingston Formation	Precambrian

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

R
P

VDMR-2189
WVCR-1036

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. Petty Mailing Address: Ivy, Va. 22945

TENANT: West Locust Hill Farm, well #1 Mailing Address: "

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

WELL LOCATION: County Albemarle Approx. 1/2 ^{x feet} miles west (direction) of Ivy and 400 ^{feet} ~~x feet~~ 300 ^{feet} ~~x 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: 2-3-68 DATE COMPLETED: 2-14-68

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 490 feet

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

YIELD TEST: Method Dry
Drawdown _____ feet
Rate dry gal. per min.
Duration _____ hrs., _____ min.

HOLE SIZE: 8 3/4 inches from 0 to 50 feet
5 inches from 50 to 490 feet
_____ inches from _____ to _____ feet

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

SCREEN SIZE: 5 inches from _____ to _____ feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

WATER: Color _____ Taste _____
Odor _____ Temp. _____ °F

CASE SIZE: 5 inches from +1 to 50 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

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

GROUTING: Method None
Material _____ Depth _____ feet

WATER ANALYSIS AVAILABLE: Yes _____ No X
DRILL CUTTINGS SAVED: Yes X 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: Well #1
26 samples

