

OWNER: U. S. Forestry Department  
(Tomahawk Fishing Pond)  
DRILLER: Virginia Well Drilling Company  
COUNTY: Shenandoah (Orkney Springs)

VDMR: 2006  
WWCR: 242  
TOTAL DEPTH: 300'

GEOLOGIC LOG

Depth in feet

0-10	Shale - grayish-orange, weathered
10-20	Shale - light-olive-gray, slightly micaceous, weathered; some grayish-orange shale
20-30	Shale - medium-gray; some grayish-orange shale; iron-oxide stains
30-40	Shale - medium-gray, few iron-oxide stains
40-50	"
50-60	Shale - dark-gray, few quartz stringers
60-70	"
70-80	"
80-90	" with some light-brownish-gray shale
90-100	"
100-110	" with some slickensides
110-120	" "
120-130	Shale - dark-gray
130-140	No sample
140-150	Shale - dark-gray, few slickensides
150-160	Shale - dark-gray; trace pyrite
160-170	Shale - dark-gray
170-180	"
180-190	"

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#2006

190-200	Shale - dark-gray	
200-210	"	minor amount interbedded with light-gray dolomite
210-220	"	trace acicular gypsum, pyrite
220-230	"	calcite veins
230-240	"	trace acicular gypsum
240-250	"	
250-260	"	
260-270	"	
270-280	"	
280-290	"	
290-300	"	

GEOLOGIC SUMMARY

<u>Rock Unit</u>	<u>Age</u>
Millboro Formation	Devonian

Virginia Division of Mineral Resources  
W. W. Winters, Geologist  
November 1967

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:

B-3667  
Charlottesville, VA 22903

DIVISION OF MINERAL RESOURCES

JAMES L. CALVER, COMMISSIONER

OFFICE ADDRESS:

McCormick Road  
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: U. S. Forestry Dept. Mailing Address: \_\_\_\_\_

TENANT: (Tomahawk Fishing Pond) Mailing Address: \_\_\_\_\_

DRILLER: Virginia Well Drilling Co., Inc. Mailing Address: 162 S. Main St. Harrisonburg, Va.

WELL LOCATION: County Shenandoah Approx. 3 miles south (direction) of  
Orkney Springs and \_\_\_\_\_ feet miles \_\_\_\_\_ (direction) of \_\_\_\_\_

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

DATE STARTED: June 28, 1967 DATE COMPLETED: July 1, 1967

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 300 feet

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

YIELD TEST: Method \_\_\_\_\_  
Drawdown \_\_\_\_\_ feet  
Rate \_\_\_\_\_ gal. per min.  
Duration \_\_\_\_\_ hrs., \_\_\_\_\_ min.

HOLE SIZE: 8 inches from 0 to 50 feet  
6 inches from 50 to 300 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WATER ZONES: from \_\_\_\_\_ to \_\_\_\_\_ feet  
from \_\_\_\_\_ to \_\_\_\_\_ feet  
from \_\_\_\_\_ to \_\_\_\_\_ feet

SCREEN SIZE: \_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WATER: Color \_\_\_\_\_ Taste \_\_\_\_\_  
Odor \_\_\_\_\_ Temp. \_\_\_\_\_ °F

CASE SIZE: 6 5/8 inches from 0 to 50 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WELL TO SUPPLY: (check one) Home \_\_\_\_\_  
Farm \_\_\_\_\_ Town \_\_\_\_\_ School \_\_\_\_\_  
Industry \_\_\_\_\_ Other \_\_\_\_\_

GROUTING: Method Pumped  
Material cement Depth 50 feet

WATER ANALYSIS AVAILABLE: Yes \_\_\_\_\_ No X

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

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: There was no water encountered during drilling. The hole was pumped after  
the 300 feet were drilled and still no water.



COMMONWEALTH OF VIRGINIA LOG

FURNISHED BY: Philip R. Constable DATE: September 27, 1967

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	45	Sandy loam soft	
45	58	Shale, soft, gray	
58	300	Slate hard blue	

INTERVAL SHEET

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VDMR Well No: 2006

Date rec'd: 10/2/67

Sample Interval: from 0' to: 300'

PROP: National Forest Service  
(Tomahawk Fishing Pond)

Number of samples: 29

COMP: Va. Well Drilling Co.

Total Depth: 300'

COUNTY: Shenandoah (Orkney Springs)

Oil or Gas: Water~~X~~ Exploratory:

From-To	From-To	From-To	From-To
0 - 10	-	-	-
10 - 20	-	-	-
20 - 30	-	-	-
30 - 40	-	-	-
40 - 50	-	-	-
50 - 60	-	-	-
60 - 70	-	-	-
70 - 80	-	-	-
80 - 90	-	-	-
90 - 100	-	-	-
100 - 110	-	-	-
110 - 120	-	-	-
120 - 130	-	-	-
-	-	-	-
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	-	-	-

All intervals have both washed and unwashed samples