



Bureau of Environmental Health

8930 Stanford Blvd., Columbia, MD 21045  
Main: 410-313-2640 | Fax: 410-313-2648  
TDD 410-313-2323 | Toll Free 1-866-313-6300  
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Maura J. Rossman, M.D., Health Officer

JANUARY 7, 2015

Thomas E. and Suzanne M. Young  
12606 Grovewood Court  
Clarksville, MD 21029

Re: 12606 Grovewood Court  
Preserve at Clarksville, Lot 9  
Well Permit # HO-95-0231

Dear Mr. and Mrs. Young:

This is to advise you that the septic system for the above referenced property has been installed and inspected. Final approval of the septic system was granted on 6/10/2010.

Analyses of treated water sample collected on November 18, 2014 indicated the sum of Radium 226 and Radium 228 as  $<1.7 \pm 0.9$  picocuries per liter (pCi/L) which is below the maximum contaminant level (MCL) of 5 pCi/L at the reverse osmosis tap.

The raw water sample submitted for testing on November 18, 2014 was free of coliform and E. coli bacteria and was bacteriologically safe for drinking at the time of sampling.

**FINAL CERTIFICATE OF POTABILITY**

This certifies that all sampling requirements of COMAR 26.04.04 "Well Regulations" have been met for the water supply system installed under permit # HO-95-0231. The well owner accepts his responsibilities under COMAR 26.04.04.10.

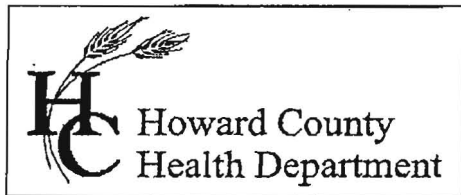
Date of Final Sampling: November 18, 2014

Approving Authority,

Robert Bricker, REHS/R.S., LEHS  
Environmental Sanitarian II  
Well and Septic Program

**Water Sample Dates on File:**

June 24 and 30, 2010 (Bacteria, Nitrate, Turbidity & Sand - Private Lab Tests)  
March 28, 2006 (Gross Alpha and Gross Beta – Private Lab; Well Completion)  
November 18, 2014 (Bacteria and Radium 226/228 - Private Lab)



Bureau of Environmental Health  
7178 Gateway Drive Columbia, MD 21046  
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website: www.hchealth.org

Peter L. Beilenson, M.D., M.P.H., Health Officer

July 9<sup>th</sup>, 2010

Thomas E. Young  
12606 Grovewood Court  
Clarksville, MD 21029

RE: Preserve @ Clarksville, Lot 9  
12606 Grovewood Ct.  
BP #: B09001642  
Well Permit # HO-95-0231

Dear Sir:

This is to advise you that the septic system for the above referenced property has been installed and inspected. Final approval of the septic system was granted on 06/10/2010. Final approval of the well line connection to the dwelling was approved on 07/8/2010.

The water sample results indicate that the water samples submitted for testing were free of coliform and fecal coliform bacteria at the time of sampling and are bacteriologically safe for drinking. The water sample results were found to be in compliance with COMAR water quality standards.

### **TEMPORARY INTERIM CERTIFICATE OF POTABILITY**

This is a Temporary Deviation to allow additional time for radium testing and for the levels to meet EPA recommendations. Until the water sample results are obtained or a treatment device is installed it is recommended that all water that is used for cooking or drinking be bottled.

Gross Alpha and Gross Beta samples were collected on 03/28/2006. Results showed a Gross Alpha level was 52.5 +/- 2.6 pCi/L and Gross Beta level was 7 +/- 1.0 pCi/L. This is explained in more detail from the Radium letter issued 05/09/2006 for the aforementioned property. In addition, a pretreatment device (i.e. reverse osmosis, water softener) needs to be installed.

This temporary deviation is good for **45 days** to allow time for radium testing. An Interim Certificate of Potability will be issued upon submission of a water sample report that documents Gross Alpha and Gross Beta, short and long term, radium 226 and 228 after treatment, that are within the EPA standards.

This certifies that the initial sampling requirements of COMAR 26.04.04 "Well Regulations" have been met for the water supply system installed under well permit #HO-95-0231. Although the submitted sample results are in compliance with COMAR standards, the Health Department does not guarantee water supplies. Based upon satisfactory investigation and evaluation, the Howard County Health Department as authorized by the Maryland Department of the Environment accepts this well system as required by COMAR 26.04.04.

This certificate may become final upon completion of the second bacteriological test, which is to be taken by the county health department within six months of receipt of this letter. Please contact (410) 313-1773 to schedule a final water sample appointment. Currently, there is no charge for this final sampling.

The Health Department has no objection to the issuance of temporary Use and Occupancy for the above referenced property.

Date of Water Samples: 06/24/2010, 06/30/2010  
Date of Radium Tests: 05/28/2006, Pending gross alpha, beta and radium 226, 228  
Date of Well Completion: 03/28/2006

Approving Authority,

Kevin M. Wolf, R.E.H.S./R.S.  
Well & Septic Program

cc: Building Inspector's Office  
Community Hygiene Program  
File



**TRACE LABORATORIES, INC**  
 5 North Park Drive  
 Hunt Valley, MD 21030 USA  
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 Website: www.tracelabs.com / Email: info@tracelabs.com

Maryland State Certified Laboratory #318

**CERTIFICATE OF ANALYSIS**

**Requester:**

Tom Young  
 12606 Grovewood Court  
 Clarksville, Maryland 21029

**S/O Number:** 96226-2

**Report Date:** December 2, 2014

**Property Sampled:** 12606 Grovewood Court, 21029  
**Sample Location:** R/O Tap ✓  
**Residual Chlorine:** <0.1 mg/L

**Building Permit #:** B09001642  
**Sampler ID #:** 7483AM  
**Samples Iced:** Yes

**County:** Howard

**Subdivision:** Preserve at Clarksville

**Lot #:** 9

**Date/Time Collected in Field:** November 18, 2014 8:58 am

**Date/Time Received in Lab:** November 18, 2014 3:02 pm

**Well Tag #:** HO-95-0231 (Tag Not Visible – Well in Bush)

**Well Condition:** 2-Piece Cap, Satisfactory

**Water Treatment/Conditioning:** Softener, Sediment Filter, Reverse Osmosis (R/O)

PARAMETER	METHOD	MCL (pCi/L)	RESULT (pCi/L)	COMMENT
Radium 226	EPA 903.1	5 pCi/L Combined	0.8 ± 0.3 ✓	Pass
Radium 228	EPA Ra-05		<0.9 ± 0.6 ✓	

The results in this report relate only to those items tested. If any additional information or clarification of this report is required, please contact us. This test report shall not be reproduced except in full without the written approval of Trace Laboratories Inc.

*Treated 'OK', red 1/1/15*

Katherine C. Higgs  
 Katherine C. Higgs  
 Manager – Drinking Water Testing



TRACE LABORATORIES, INC  
 5 North Park Drive  
 Hunt Valley, MD 21030 USA  
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Maryland State Certified Laboratory #318

**CERTIFICATE OF ANALYSIS**

**Requester:**

Tom Young  
 12606 Grovewood Court  
 Clarksville, Maryland 21029

**S/O Number:** 96226-1

**Report Date:** November 19, 2014

**Property Sampled:** 12606 Grovewood Court, 21029  
**Sample Location:** Pressure Tank  
**Residual Chlorine:** <0.1 mg/L

**Building Permit #:** B09001642  
**Sampler ID #:** 7483AM  
**Samples Iced:** Yes

**County:** Howard

**Subdivision:** Preserve at Clarksville

**Lot #:** 9

**Date/Time Collected in Field:** November 18, 2014 8:52 am

**Date/Time Received in Lab:** November 18, 2014 3:02 pm

**Well Tag #:** HO-95-0231 (Tag Not Visible – Well in Bush)

**Well Condition:** 2-Piece Cap, Satisfactory

**Water Treatment/Conditioning:** N/A – Raw Sample

PARAMETER	METHOD	MCL	RESULT	COMMENT
Total Coliform	SM 9223B	Absent	Absent ✓	Pass
<i>E. coli</i>	SM 9223B	Absent	Absent ✓	Pass

The results in this report relate only to those items tested. If any additional information or clarification of this report is required, please contact us. This test report shall not be reproduced except in full without the written approval of Trace Laboratories Inc.

OK  
 rb 11/2/15

Katherine C. Higgs  
 Katherine C. Higgs  
 Manager – Drinking Water Testing