

B 1 26841

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type

STATE PERMIT NUMBER HO-14-0038 fill in this form completely

Date Received (APA) 05/16/14

OWNER INFORMATION

BASSLER VENTURE LLC P O BOX 482 LISBON MD 21965

B 3

LOCATION OF WELL

Howard COUNTY WALNUT CREEK PHASE III SECTION 44 LOT 107 CLARKSVILLE

DRILLER INFORMATION

Ralph Mayne MSD 117 RALPH MAYNE WELL DRILLING 17024 HARDY RD MT. AIRY MD 21774

B 4

SOURCES OF DRILLING WATER

1. well

Wild Olive Ct STREET ADDRESS ON WHICH SIDE OF ROAD DISTANCE FROM ROAD ENTER FT OR MI TAX MAP: 28 BLK: 11 PARCEL 49

B 2

WELL INFORMATION

APPROX. PUMPING RATE 5 AVERAGE DAILY QUANTITY NEEDED 500

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) INDUSTRIAL, COMMERCIAL, DEWATERING PUBLIC WATER SUPPLY WELL TEST, OBSERVATION, MONITORING OPEN LOOP GEOTHERMAL CLOSED LOOP GEOTHERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard COUNTY NAME A520385 COUNTY NO. 13 STATE SIGNATURE DATE ISSUED 06/11/2014 CO SIGNATURE EXP. DATE 6/11/15

APPROXIMATE DEPTH OF WELL 150 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST INCH

METHOD OF DRILLING (circle one)

- BORED (or Augered) AIR-ROTary JETTED AIR-PERCussion ROTARY (Hydraulic Rotary) CABLE REVerse-ROTary DRIVE-POINT other

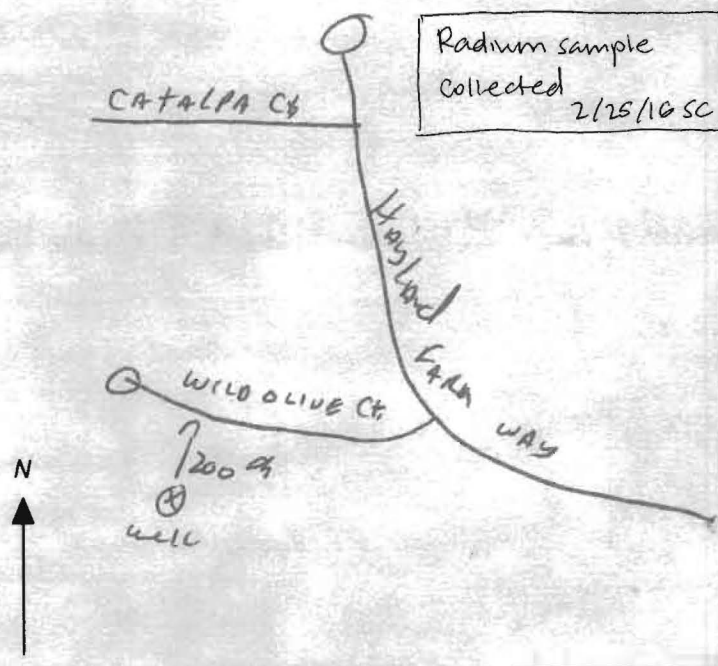
REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

- THIS WELL WILL NOT REPLACE AN EXISTING WELL THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS THIS WELL WILL DEEPEMED AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)

Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROP. PERMIT NUMBER H02006G020 PERMIT No. HO-14-0038

PROPOSED LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURES SUCH AS BUILDINGS, SEPTIC SYSTEM, ROADS AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCE MEASUREMENTS TO WELL



SPECIAL CONDITIONS

all wells must be at least 100 feet apart







Howard County  
Health Department

7178 Columbia Gateway Dr., Columbia, MD 21046  
(410) 313-2640 Fax (410) 313-2648  
TDD (410) 313-2323 Toll Free 1-866-313-6300  
website: www.hchealth.org

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

TO ALL INTERESTED PARTIES

When submitting a well application for a proposed well for new construction, please indicate one of the following:

Well Site Location:

Walnut Creek Phase 3	107	Wild Olive Ct.
<b>Subdivision/Property Name</b>	<b>Lot #</b>	<b>Road Name</b>

The well site has been staked by Fisher, Collins and Carter, Inc. ,  
(professional land surveyor or company employing professional land surveyors)  
on 05/07/14 (date) and does not require a site inspection.

The well driller, builder or property owner will call the Health Department to schedule a time to meet in the field to verify the proposed well site location.

This sheet, along with two copies of an acceptable well site plan, must be attached to the green well permit application.

Revised 3/11/07

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
WELL & SEPTIC PROGRAM
TEL: (410)313-1771 FAX: (410)313-2648

Information Form for the Installation of the Well Pump, Pitless Adapter, and Supply Piping

NOTE: The installer is responsible for requesting an inspection prior to 9 am on the day of the desired inspection. No work is to be covered until approved by the Health Department. All installations must comply with the National Standard Plumbing Code (NSPC, as amended locally) and COMAR 26.04.04 (MD Well Construction Regulations). Submission of a complete form is required prior to Use and Occupancy approval.

Company Name: Tri-County Pump Service, Inc. Telephone #: 301-431-0330
Address: 6711 Old Marlboro Pk,
Baltimore Md 21013

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer
License # and name of individual responsible for the field installation:
Name (Print): William E. Griffith License# 20135

\*A licensed individual must perform the actual installation. Apprentices must be under the supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be subjected to field verification. Unlicensed individuals may be reported to the appropriate licensing agency.

Name of Property Owner: Craftmark Homes Telephone #: 703-931-0573
Subdivision: Walnut Creek Lot #: 107 Well Tag #: HO-14-0038 ✓
Site Address: 4991 Wild Olive Ct
Ellicott City, MD 21042

Submersible Pump Data Pitless Adapter Well Cap and Electric Conduit
Make: SKN Make: PT800 Two piece watertight cap: Y
Model #: 57P4H505221 Model#: American Granby Screened, vented well cap: Y
Pump Capacity 7 GPM Depth: 36" (36" min) Cap secured to casing: Y
Well Yield: 15 GPM NSF/WSC approved: Conduit min 18" B.G.: Y
Depth of well encountered at time of pump installation: (feet) Conduit secured to well cap: Y
If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4
Torque arrestors, Cable guards, or other acceptable method used- Must circle one
Safety rope, if used, attached to brass rope adapter or other acceptable method inside of well casing

Piping to house House Connection
Type: PVC
PSI: 200 (160 psi min) PVC sleeve to undisturbed soil at wall penetration: Y
Depth of supply line: 36" (36" min) Length of sleeve(5' minimum from foundation):
Sleeve sealed properly: Y

The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Signature of company representative responsible for installation: William E. Griffith date: 11-23-2015

For Health Department Use Only - Not to be completed by Installer

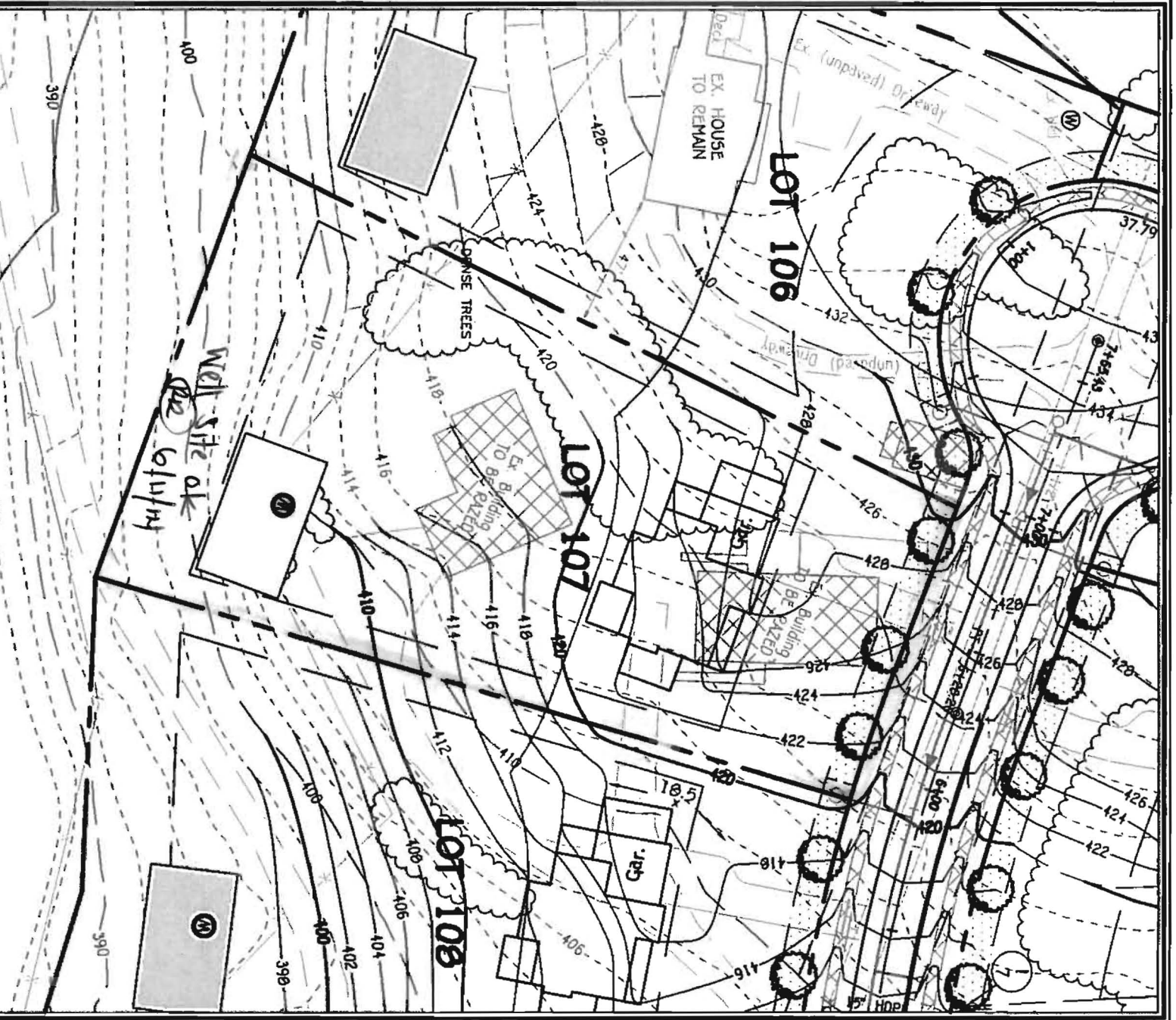
Date Insp. Requested: 11/24/15 Date Insp. Approved: 11/24/15 Inspector: SC
Inspection Data: Pitless adapter watertight & water supply line at least 36" below grade ✓
Two piece cap installed and attached to casing securely ✓
Elec. conduit extends at least 18" below grade/attached to cap properly ✓
Safety rope not outside of well cap/casing ✓
Correct well tag attached properly and casing 8" above finished grade ✓
Water supply line sleeved adequately at house connection ✓
Adequate grout observed below pitless adapter ✓

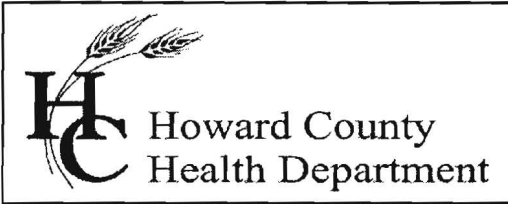
**WELL LOCATION INFORMATION:**  
 NORthing = 572,014.53 EASTING = 1,325,770.84  
 LATITUDE = N39°14'14" LONGITUDE = W76°57'09"

**LOT 107 WELL MAP**  
**WALNUT CREEK**  
**PHASE THREE**  
 Lots 69 - 114, Non-Buildable Preservation Parcels  
 of 'Thru' 2' & 'V', Non-Buildable Parcel 'S', Buildable Preservation  
 Parcel 'T' and Buildable Bulk Parcel 'U'

**FISHER, COLLINS & CARTER, INC.**  
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
 CONTRACT SQUARE OFFICE PARK - 10272 BALTIMORE AVENUE  
 ELLSWORTH CITY, MARYLAND 21042  
 (410) 481 - 0255

TAX MAP No. 28  
 FIFTH ELECTION DISTRICT  
 DATE: MAY 1, 2014  
 ZONED: RC-DEO & RC-DEO  
 GRID Nos. 4, 5, 10-12, 17, AND 18  
 HOWARD COUNTY, MARYLAND  
 SCALE: 1" = 50'





**Bureau of Environmental Health**

8930 Stanford Blvd., Columbia, MD 21045  
Main: 410-313-1771 | Fax: 410-313-2648  
TDD 410-313-2323 | Toll Free 1-866-313-6300  
www.hchealth.org  
Facebook: www.facebook.com/hocohealth  
Twitter: HowardCoHealthDep

**Maura J. Rossman, M.D., Health Officer**

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TEMPORARY INTERIM CERTIFICATE OF POTABILITY  
**TEMPORARY DEVIATION FOR RADIUM**

Expiration Date – MARCH 24, 2016

February 24, 2016

Homeowner  
4991 Wild Olive Court  
Ellicott City, MD 21042

**RE: Walnut Creek, Lot 107  
4991 Wild Olive Court  
Building Permit: B15003107  
Well Permit: HO-14-0038**

Dear Homeowner:

This is to advise you that the septic system installation and water well construction for the above referenced property have been inspected and approved. Final approval of the septic system was granted on **2/18/2016**. Final approval of the well line connection to the dwelling was granted on **11/24/2015**. The well construction was completed on **7/1/2014**. Water samples were collected on **2/16/2016**.

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.

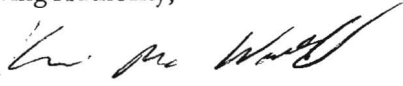
**This is a temporary deviation to allow additional time for testing your well water system for Radium. Submission of water sample results must be obtained by the Health Department within the allowed 30 day period for the Interim Certificate of Potability.**

This Department will grant a **temporary deviation** to the Interim Certificate of Potability on condition that water sample results for short term gross alpha/beta are submitted to this Department **within 45 days**. Those results must indicate that the radionuclide levels meet a Gross Alpha level of less than **15 pCi/L**, and a Gross Beta level of less than **50 pCi/L**.

**This Temporary Interim Certificate of Potability will expire 30 days from the date of issuance.** Failure to submit the required radium sample results and obtain an Interim Certificate of Potability before the expiration date will result in a Notice of Violation and is punishable as a misdemeanor under the *Annotated Code of Maryland, Environment Article, 9-1311*, subject to a fine of up to \$500 or imprisonment not to exceed three months.

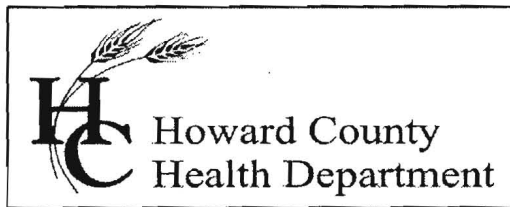
Please contact (410) 313-1773 to schedule a water sample appointment or contact a Maryland certified water quality laboratory to schedule a water sample. A list of laboratories certified by the state of Maryland may be found at the following website:  
<http://www.mde.state.md.us/assets/document/WSP-Labs-2010apr16.pdf>

Approving Authority,



Kevin M Wolf, L.E.H.S., Supervisor  
Groundwater Management Section  
Well & Septic Program

cc: Howard County Dept. of Inspections, Licenses, and Permits  
Community Hygiene Program  
File



Bureau of Environmental Health

8930 Stanford Blvd., Columbia, MD 21046-2147

Main: 410-313-1774 | Fax: 410-313-2648

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[www.hchealth.org](http://www.hchealth.org)

Facebook: [www.facebook.com/hocohealth](https://www.facebook.com/hocohealth)

Twitter: HowardCoHealthDep

Maura J. Rossman, M.D., Health Officer

**INTERIM CERTIFICATE OF POTABILITY**

**Expiration Date – September 9, 2016**

March 9, 2016

Homeowner  
4991 Wild Olive Court  
Ellicott City, MD 21042

**RE: Walnut Creek, Lot 107  
4991 Wild Olive Court  
Building Permit: B15003107  
Well Permit: HO-14-0038**

Dear Homeowner:

This is to advise you that the septic system installation and water well construction for the above referenced property have been inspected and approved. Final approval of the septic system was granted on **2/18/2016**. Final approval of the well line connection to the dwelling was granted on **11/24/2015**. The well construction was completed on **7/1/2014**. Water samples were collected on **2/16/2016**.

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.

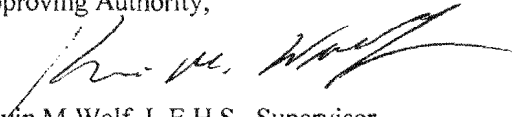
Gross Alpha and Beta samples were also collected on **2/25/2016**. Results showed a Gross Alpha level of **9.3 ± 1.9 pCi/L** and **Gross Beta** level of **6.6 ± 1.8 pCi/L**. The Gross Alpha was below the maximum contaminant level (MCL) of 15 pCi/L and the Gross Beta was below the target level of 50pCi/L (roughly equivalent to the annual dose rate of 4 millirems per year). At the time of testing and with respect to these parameters, the well water is safe for all uses.

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-14-0038. Although the submitted sample results are in compliance with COMAR standards, the Health Department does not guarantee water supplies.

This Interim Certificate of Potability will expire **six months** from the date of issuance. Submission of a second bacteriological test indicating the water is free of coliform and fecal coliform bacteria is required prior to the expiration date, after which time a Final Certificate of Potability will be issued. **Failure to submit an additional sample and obtain a Final Certificate of Potability will result in a Notice of Violation and is punishable as a misdemeanor under the Annotated Code of Maryland, Environment Article, 9-1311, subject to a fine of up to \$500 or imprisonment not to exceed three months.**

Please contact (410) 313-1773 to schedule a final water sample appointment or contact a certified water quality laboratory to schedule a water sample. A list of laboratories certified by the state of Maryland may be found at the following website:  
<http://www.mde.state.md.us/assets/document/WSP-Labs-2010apr16.pdf>

Approving Authority,



Kevin M Wolf, L.E.H.S., Supervisor  
Groundwater Management Section  
Well & Septic Program

cc: Howard County Dept. of Inspections, Licenses, and Permits  
Community Hygiene Program  
File

SEND REPORT TO: Bert Nixon  
 Howard County Health Dept.  
 Bureau of Environmental Health  
 8930 Stamford Blvd.  
 Columbia, MD 21045.

State of Maryland  
 DHMH - Laboratories Administration  
 Division of Environmental Chemistry  
**RADIATION LABORATORY**  
 1770 Ashland Avenue  
 Baltimore, Maryland 21205

Lab No.  
 E001404 #25<sup>6</sup>

**LABORATORY ANALYSIS REQUEST FORM**

Plant/Site Name: Walnut Creek Lot 107 County: Howard

Sample Source: 4991 Wild olive Ct. Ellicott City Location: HO-14-0038

(Well no., lab sink, sample tap, etc.)

Radon-222 Bottle A \_\_\_\_\_ Radon-222 Field Blank Bottle A \_\_\_\_\_  
 Bottle B \_\_\_\_\_ Bottle B \_\_\_\_\_

County   Plant No.

CHECK (one per Box)

Type	Service	Point of Collection	Testing
Drinking Water <input checked="" type="checkbox"/>	Community <input type="checkbox"/>	Source (Raw) <input checked="" type="checkbox"/>	Emergency <input type="checkbox"/>
Landfill <input type="checkbox"/>	Non-Community <input type="checkbox"/>	Distribution (treated) <input type="checkbox"/>	Routine <input checked="" type="checkbox"/>
Stream <input type="checkbox"/>	Private <input checked="" type="checkbox"/>	MCL <input type="checkbox"/>	Recheck <input type="checkbox"/>
Other <input type="checkbox"/>	Other <input type="checkbox"/>		Special <input type="checkbox"/>

Submitters Code:   Federal Project:

Collector: S. Collins Telephone No.: 410-313-6787

Date Collected: 2/25/16 Time Collected: 11:30 a.m. \_\_\_\_\_ p.m.

Field pH: \_\_\_\_\_ Field Chlorine: \_\_\_\_\_

Nitric Acid Preserved: Yes  No  Iced: Yes  No

Remarks: Sample collected prior to filter

<input checked="" type="checkbox"/>	TEST	EPA Code	Lab No.	Method No.	Results (pCi/L)	Date Analyzed	Analyst	Date Reported
<input checked="" type="checkbox"/>	Gross Alpha	4000	1404	EPA900.0	9.3 ± 1.9	2/26/16	JT	3/1/16
<input checked="" type="checkbox"/>	Gross Beta	4100	1404	EPA900.0	6.6 ± 1.8	2/26/16	JT	3/1/16
<input type="checkbox"/>	Radium-226	4020						
<input type="checkbox"/>	Radium-228	4030						
<input type="checkbox"/>	Total Uranium	4006						
<input type="checkbox"/>	Radon-222 (Bottle A)	4004						
<input type="checkbox"/>	Radon-222 (Bottle B)	4004						
<input type="checkbox"/>	Radon Field Blank A	4004						
<input type="checkbox"/>	Radon Field Blank B	4004						
<input type="checkbox"/>	Tritium							
<input type="checkbox"/>								
<input type="checkbox"/>								

Date Received: 2/25/16 Received By: In JT

Data Release Signature: [Signature] Date: 3/1/16

Lab Use Only	Yes	No	N/A
Sample Intact upon arrival?	<input checked="" type="checkbox"/>		
Sample pH <2.0?	<input checked="" type="checkbox"/>		
Received within holding time?	<input checked="" type="checkbox"/>		

•Tel. No.: (443) 681-3766 •Fax No.: (443) 681-4507





# Fredericktowne Labs Inc.

ENVIRONMENTAL TESTING

5020 Ventrie Court • P.O. BOX 245 • Myersville, MD 21775 • 800-332-9340 • FAX 301-293-2366  
 www.fredericktownelabs.com • info@fredericktownelabs.com

## Certificate of Analysis

Acct. No. 3948 - 1467-1

### Field Record

Site visit performed on: Monday, February 15, 2016 9:45 AM  
 by: Jeremy Merrell State ID No. 3701JM  
 Affiliation: Tri-County Pump Service  
 Property Owner: Craftmark Homes  
 Property Address: 4991 Wild Olive Ct. ✓  
 Lot 107  
 Ellicott City, MD 21042  
 Sample Source: Kitchen Sink ✓  
 Treatment Devices Noted: No Treatment Devices ✓  
 Sample taken after treatment: No ✓  
 Well No.: HO-14-0038 ✓  
 Field pH: 7.0  
 Total Free Res. Cl.: <0.1 mg/l ✓

### Laboratory Report

Sample Received at laboratory: 2/16/2016 9:49 AM

#### Bacteriological results:

Total Colif. (/100ml)	E.coli. (/100ml)	Start		End		Method	Analyst
		Date	Time	Date	Time		
<1 ✓	<1 ✓	02/16/16	11:00	02/17/16	11:01	9223B	JD

Bacteriological analysis of this sample indicates the water is safe for human consumption and meets federal, state and local requirements. Analysis was performed according to the 20th edition of Standard Methods

#### Inorganic Chemical results:

Parameter	Result	Units	MCL	Date of Analysis	Method	Analyst
Nitrate-Nitrogen	1.6	mg/l	10	2/16/2016	300.0	PH
Sand	<2	mg/l	5	2/16/2016	0.065mm Filter	JD
Turbidity	1.0	NTU	10	2/16/2016	180.1	KB

Reported by: Collin Mellott 2/18/16  
 Name Date

Fredericktowne Labs, Inc. is a State Certified Water Quality Laboratory  
 Maryland Cert. No. 116 Virginia Cert. No. 00444  
 MDOT WBE Cert. No.: 91-158