

C142309

SEQUENCE NO.  
(MDE USE ONLY)

STATE OF MARYLAND  
WELL COMPLETION REPORT  
FILL IN THIS FORM COMPLETELY  
PLEASE TYPE

THIS REPORT MUST BE SUBMITTED WITHIN  
45 DAYS AFTER WELL IS COMPLETED.

1236  
(THIS NUMBER IS TO BE PUNCHED  
IN COLS. 3-6 ON ALL CARDS)

ST/CO USE ONLY  
DATE Received  
MM04DD26YY16

DATE WELL COMPLETED  
MM31DD30YY16

Depth of Well  
2225026  
(TO NEAREST FOOT)

PERMIT NO.  
FROM "PERMIT TO DRILL WELL"  
OK  
5/2/16  
HO15-0204

OWNER  
Wilmington Homes

WELL SITE ADDRESS  
Lime Kiln Rd

SUBDIVISION  
Westland Farm Estates

SECTION

TOWN  
Fulton

LOT  
6

WELL LOG

Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR  
COLOR, DEPTH, THICKNESS AND IF WATER BEARING

DESCRIPTION (Use additional sheets if needed)	FEET		check if water bearing
	FROM	TO	
Light Brown	78		
to Dark			
Brown Mica			
Gray	78	210	
Limestone			
White	210	211	✓
Gray	211	250	
Limestone			

GROUTING RECORD

WELL HAS BEEN GROUTED  
(Circle Appropriate Box)

TYPE OF GROUTING MATERIAL (Circle one)

CEMENT ☒ CM BENTONITE CLAY ☐ BC

NO. OF BAGS 41 NO. OF POUNDS 3854

GALLONS OF WATER 246

DEPTH OF GROUT SEAL (to nearest foot)

from 0 ft. to 97 ft.

(enter 0 if from surface)

CASING RECORD

casing  
types  
insert  
appropriate  
code  
below

☒ ST STEEL ☐ CO CONCRETE

☐ PL PLASTIC ☐ OT OTHER

MAIN CASING TYPE

Nominal diameter  
top (main) casing  
(nearest inch)

Total depth  
of main casing  
(nearest foot)

ST 06 100

OTHER CASING (if used)

diameter depth (feet)

inch from to

SCREEN RECORD

screen type  
or open hole

insert  
appropriate  
code  
below

☒ ST STEEL ☐ BR BRASS

☐ PL PLASTIC ☐ HO HOLE

☐ OT OTHER

DEPTH (nearest ft.)

12

34

56

78

100

122

144

166

188

210

232

254

276

298

320

342

364

386

408

430

452

474

496

518

540

562

584

606

628

650

C2

WELL HYDROFRACTURED

CIRCLE APPROPRIATE LETTER

A A WELL WAS ABANDONED AND SEALED  
WHEN THIS WELL WAS COMPLETED

E ELECTRIC LOG OBTAINED

P TEST WELL CONVERTED TO PRODUCTION  
WELL

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN  
ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND  
IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE  
CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED  
HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY  
KNOWLEDGE.

DRILLERS LIC. NO. 1 M S D 001

DRILLERS SIGNATURE

LIC. NO. 1 D

PUMPING TEST

HOURS PUMPED (nearest hour) 3

PUMPING RATE (gal. per min.) 8.5

METHOD USED TO  
MEASURE PUMPING RATE 194L

WATER LEVEL (distance from land surface)

BEFORE PUMPING 59 ft.

WHEN PUMPING 59 ft.

TYPE OF PUMP USED (for test)

A air P piston T turbine

C centrifugal R rotary O other (describe below)

J jet S submersible

PUMP INSTALLED

DRILLER INSTALLED PUMP YES NO

IF DRILLER INSTALLS PUMP, THIS SECTION  
MUST BE COMPLETED FOR ALL WELLS.

TYPE OF PUMP INSTALLED  
PLACE (A,C,J,P,R,S,T,O)  
IN BOX 29.

CAPACITY:  
GALLONS PER MINUTE  
(to nearest gallon) 31 35

PUMP HORSE POWER 37 41

PUMP COLUMN LENGTH  
(nearest ft.) 43 47

CASING HEIGHT (circle appropriate box  
and enter casing height)

+ above LAND SURFACE

- below 02 (nearest foot)

LATITUDE 39.150482

LONGITUDE 76.952270

(DEFAULT COORD. WGS 84)

Pursuant to §10-624 of the State Govt. Article of  
the Maryland Code personal info. requested on  
this form is used in processing this form pursuant  
to COMAR 26.04.04. Failure to provide the info.  
may result in this form not being processed. You  
have the right to inspect, amend, or correct this  
form. The Maryland Department of the  
Environment is subject to the Maryland Public  
Information Act. This form may be made  
available on the Internet via MDE's website and is  
subject to inspection or copying, in whole or in  
part, by the public and other governmental  
agencies, if not protected by federal or state law.

<b>B 1</b> <span style="font-size: 24pt; font-weight: bold;">38283</span> <small>1 2 3 6</small>	SEQUENCE NO. (MDE USE ONLY)	<b>STATE OF MARYLAND</b> <b>APPLICATION FOR PERMIT TO DRILL WELL</b> <span style="font-size: 24pt; font-weight: bold;">55788-B</span> please type	STATE PERMIT NUMBER <span style="font-size: 24pt; font-weight: bold;">H0-15-0204</span> <small>70 79</small> fill in this form completely
Date Received (APA) <span style="font-size: 24pt; font-weight: bold;">02/16</span> <small>8 MM DD YY 13</small> <b>OWNER INFORMATION</b> <div style="display: flex; justify-content: space-between;"> <div>             15 Last Name  <span style="font-size: 24pt; font-weight: bold;">Williamsburg Homes</span> </div> <div>             Owner  <span style="font-size: 24pt; font-weight: bold;">5485 Harpers Farm Rd</span> </div> <div>             First Name  <span style="font-size: 24pt; font-weight: bold;">Columbia, Md 21044</span> </div> </div> <div style="display: flex; justify-content: space-between;"> <div>             36 Street or RFD  <span style="font-size: 24pt; font-weight: bold;">Columbia, Md 21044</span> </div> <div>             55  <span style="font-size: 24pt; font-weight: bold;">Columbia, Md 21044</span> </div> </div> <div style="display: flex; justify-content: space-between;"> <div>             57 Town  <span style="font-size: 24pt; font-weight: bold;">Columbia, Md 21044</span> </div> <div>             70 State  <span style="font-size: 24pt; font-weight: bold;">Md</span> </div> <div>             72 Zip  <span style="font-size: 24pt; font-weight: bold;">21044</span> </div> <div>             76 </div> </div>		<b>B 3</b> <b>LOCATION OF WELL</b> <div style="display: flex; justify-content: space-between;"> <div>             8 COUNTY  <span style="font-size: 24pt; font-weight: bold;">Howard</span> </div> <div>             21  <span style="font-size: 24pt; font-weight: bold;">Westland Farm Estates</span> </div> </div> <div style="display: flex; justify-content: space-between;"> <div>             23 SUBDIVISION  <span style="font-size: 24pt; font-weight: bold;">Westland Farm Estates</span> </div> <div>             42 </div> </div> <div style="display: flex; justify-content: space-between;"> <div>             SECTION  <span style="font-size: 24pt; font-weight: bold;">44 46</span> </div> <div>             LOT  <span style="font-size: 24pt; font-weight: bold;">6</span> </div> </div> <div style="display: flex; justify-content: space-between;"> <div>             52 NEAREST TOWN  <span style="font-size: 24pt; font-weight: bold;">Fulton</span> </div> <div>             71 </div> </div>	
<b>DRILLER INFORMATION</b> <div style="display: flex; justify-content: space-between;"> <div>             Driller's Name  <span style="font-size: 24pt; font-weight: bold;">Allen Compton</span> </div> <div>             License No.  <span style="font-size: 24pt; font-weight: bold;">M S D 009</span> </div> </div> <div style="display: flex; justify-content: space-between;"> <div>             Firm Name  <span style="font-size: 24pt; font-weight: bold;">Fogle Well Drilling, LLC</span> </div> <div>             Address  <span style="font-size: 24pt; font-weight: bold;">P.O. Box 202 Woodbine Md 21797</span> </div> </div> <div style="display: flex; justify-content: space-between;"> <div>             Signature  <span style="font-size: 24pt; font-weight: bold;">Allen Compton</span> </div> <div>             Date  <span style="font-size: 24pt; font-weight: bold;">1/20/16</span> </div> </div>		<b>B 4</b> <b>SOURCES OF DRILLING WATER</b> 1. <span style="font-size: 24pt; font-weight: bold;">wellwater</span> 2. 3. <div style="display: flex; justify-content: space-between;"> <div>             ON WHICH SIDE OF ROAD              (CIRCLE APPROPRIATE BOX)  <div style="display: flex; align-items: center;"> <div style="text-align: center;"> <div style="border: 1px solid black; padding: 2px;">N</div> <div style="border: 1px solid black; padding: 2px;">W</div> <div style="border: 1px solid black; padding: 2px;">E</div> </div> <div style="margin: 0 5px;"> <div style="border: 1px solid black; padding: 2px;">S</div> </div> <div style="text-align: center;"> <div style="border: 1px solid black; padding: 2px;">E</div> <div style="border: 1px solid black; padding: 2px;">S</div> <div style="border: 1px solid black; padding: 2px;">W</div> </div> </div> </div> <div style="display: flex; justify-content: space-between;"> <div>             34  <span style="font-size: 24pt; font-weight: bold;">898</span> </div> <div>             37  <span style="font-size: 24pt; font-weight: bold;">898</span> </div> </div> <div style="display: flex; justify-content: space-between;"> <div>             DISTANCE FROM ROAD  <span style="font-size: 24pt; font-weight: bold;">898</span> </div> <div>             ENTER FT OR MI  <span style="font-size: 24pt; font-weight: bold;">FT</span> </div> </div> <div style="display: flex; justify-content: space-between;"> <div>             TAX MAP: <span style="font-size: 24pt; font-weight: bold;">45</span> </div> <div>             BLK: <span style="font-size: 24pt; font-weight: bold;">5</span> </div> <div>             PARCEL: <span style="font-size: 24pt; font-weight: bold;">28</span> </div> </div> </div>	
<b>B 2</b> <b>WELL INFORMATION</b> APPROX. PUMPING RATE (GAL. PER MIN.) <div style="display: flex; justify-content: space-between;"> <div>             8  <span style="font-size: 24pt; font-weight: bold;">5</span> </div> <div>             12  <span style="font-size: 24pt; font-weight: bold;">500</span> </div> </div> AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) <div style="display: flex; justify-content: space-between;"> <div>             14  <span style="font-size: 24pt; font-weight: bold;">500</span> </div> <div>             20 </div> </div>		<b>USE FOR WATER</b> (CIRCLE APPROPRIATE BOX) <div style="display: flex; flex-direction: column;"> <div><input checked="" type="checkbox"/> DOMESTIC POTABLE SUPPLY &amp; RESIDENTIAL IRRIGATION</div> <div><input type="checkbox"/> FARMING (LIVESTOCK WATERING &amp; AGRICULTURAL IRRIGATION)</div> <div><input type="checkbox"/> INDUSTRIAL, COMMERCIAL, DEWATERING</div> <div><input type="checkbox"/> PUBLIC WATER SUPPLY WELL</div> <div><input type="checkbox"/> TEST, OBSERVATION, MONITORING</div> <div><input type="checkbox"/> OPEN LOOP GEOTHERMAL</div> <div><input type="checkbox"/> CLOSED LOOP GEOTHERMAL</div> </div>	
APPROXIMATE DEPTH OF WELL <span style="font-size: 24pt; font-weight: bold;">300</span> FEET <small>24 28</small> APPROXIMATE DIAMETER OF WELL <span style="font-size: 24pt; font-weight: bold;">6</span> INCH <small>NEAREST INCH</small>		<b>NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL</b> <div style="display: flex; justify-content: space-between;"> <div>             COUNTY NAME  <span style="font-size: 24pt; font-weight: bold;">Howard</span> </div> <div>             COUNTY NO.  <span style="font-size: 24pt; font-weight: bold;">13</span> </div> </div> <div style="display: flex; justify-content: space-between;"> <div>             STATE SIGNATURE  <span style="font-size: 24pt; font-weight: bold;">S. J. C. M.</span> </div> <div>             INSERT S →  <span style="font-size: 24pt; font-weight: bold;">41</span> </div> </div> <div style="display: flex; justify-content: space-between;"> <div>             DATE ISSUED  <span style="font-size: 24pt; font-weight: bold;">2/10/16</span> </div> <div>             CO SIGNATURE  <span style="font-size: 24pt; font-weight: bold;">S. J. C. M.</span> </div> <div>             EXP. DATE  <span style="font-size: 24pt; font-weight: bold;">2/10/17</span> </div> </div> <div style="display: flex; justify-content: space-between;"> <div>             43 MM DD YY 48 </div> <div>             41 </div> </div>	
<b>METHOD OF DRILLING</b> (circle one) <div style="display: flex; justify-content: space-between;"> <div>             BORED (or Augered)  <span style="font-size: 24pt; font-weight: bold;">AIR-ROTARY</span> </div> <div>             JETTED  <span style="font-size: 24pt; font-weight: bold;">AIR-PERCussion</span> </div> <div>             Jetted &amp; DRIVEN  <span style="font-size: 24pt; font-weight: bold;">ROTARY (Hydraulic Rotary)</span> </div> </div> <div style="display: flex; justify-content: space-between;"> <div>             30  <span style="font-size: 24pt; font-weight: bold;">AIR-ROTARY</span> </div> <div>             37  <span style="font-size: 24pt; font-weight: bold;">CABLE</span> </div> </div> <div style="display: flex; justify-content: space-between;"> <div>             other </div> <div>             DRIVE-POINT </div> </div>		<b>REPLACEMENT OR DEEPEMED WELLS</b> (CIRCLE APPROPRIATE BOX) <div style="display: flex; flex-direction: column;"> <div><input checked="" type="checkbox"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL</div> <div><input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED</div> <div><input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS</div> <div><input type="checkbox"/> THIS WELL WILL DEEPEMED AN EXISTING WELL</div> </div> PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) <div style="display: flex; justify-content: space-between;"> <div>             41 </div> <div>             52 </div> </div>	
<b>Not to be filled in by driller (MDE OR COUNTY USE ONLY)</b> APPROP. PERMIT NUMBER <span style="font-size: 24pt; font-weight: bold;">G</span> PERMIT No. <span style="font-size: 24pt; font-weight: bold;">H0-15-0204</span> <small>70 71 72 73 74 75 76 77 78 79</small>		<b>PROPOSED LOCATION OF WELL ON LOT</b> SHOW PERMANENT STRUCTURES SUCH AS BUILDINGS, SEPTIC SYSTEM, ROADS AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCE MEASUREMENTS TO WELL <div style="border: 1px solid black; padding: 10px; margin: 10px;">             Sodium, chloride, +TDS samples collected 3/30/16 SC           </div> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">             Lime Kiln Rd           </div> <div style="text-align: center;">             Marlow Rd           </div> </div> <div style="text-align: center;">             N  </div>	
<b>SPECIAL CONDITIONS</b> NOTE: APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED <span style="font-size: 24pt; font-weight: bold;">Sodium, chloride, TDS sample required at yield</span>			

[illegible]



**HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
WELL & SEPTIC PROGRAM  
TEL: (410)313-4771 FAX: (410)313-2648**

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

**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: Prokes Well Pump & Water Treatment, LLC Telephone #: 410 795 5670  
Address: 5540 Norrent Rd.  
Sykesville, MD 21784

(Must circle one): Licensed Plumber Licensed Well Driller Licensed Well Pump Installer  
License # and name of individual responsible for the field installation:

Name (Print): David C Foote License #: MSD226

\*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: Williamsburg Homes Telephone #: 240-393-2942  
Subdivision: Westland Farms Lot #: 6 Well Tag #: HO-15-0204  
Site Address: 12532 Westland Ct  
Exton, MD 20759

<b>Submersible Pump Data</b>	<b>Pitless Adapter</b>	<b>Well Cap and Electric Conduit</b>
Make: <u>Goulds</u>	Make: <u>Campbell</u>	Two piece watertight cap: <u>YES</u>
Model #: <u>156007-180</u>	Model #: <u>NA</u>	Screened, vented well cap: <u>YES</u>
Pump Capacity: <u>18</u> GPM	Depth: <u>36</u> (36" min)	Cap secured to casing: <u>YES</u>
Well Yield: <u>3.5</u> GPM	NSP/WSC approved: <u>NA</u>	Conduit min 18" R.G.: <u>YES</u>
Depth of well encountered at time of pump installation: <u>250</u> (ft)		
If pump capacity exceeds well yield, a low water cutoff switch is required by NSPC 1990 Section 17.3.4		
Torque wrenches, Cable guards, or other acceptable method used - Must circle one		
Safety rope, if used, attached to: <u>lucres rope adapter or other acceptable method inside of well casing</u> <u>NA</u>		

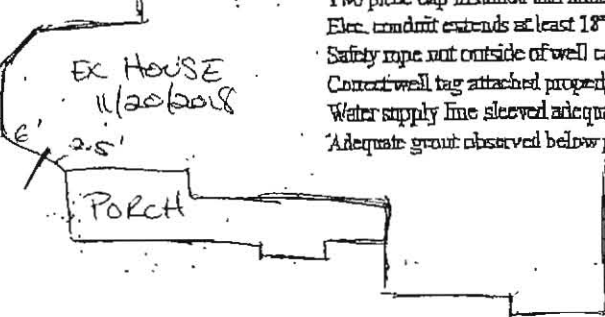
<b>Pitless to house</b>	<b>House Connection</b>
Type: <u>1" poly pipe</u>	PVC sleeve to undisturbed soil at wall penetration: <u>YES</u>
PSI: <u>200</u> (psi min)	Length of sleeves: minimum from foundation: <u>6'</u>
Depth of supply line: <u>36</u> (36" min)	Sleeve sealed properly: <u>YES</u>

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: David C Foote date: 11/16/18

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

Date Insp Requested: <u>11/20/2018</u>	Date Insp. Approved: <u>11/20/2018</u>	Inspector: <u>(Signature)</u>
Inspection Data:		
Pitless adapter watertight & water supply line at least 36" below grade	<u>✓</u>	<u>42"</u> 11/20/2018 <u>(Signature)</u>
Two piece cap installed and attached to casing securely	<u>✓</u>	
Elec. conduit extends at least 18" below grade/attached to cap properly	<u>✓</u>	<u>28"</u> 11/20/2018 <u>(Signature)</u>
Safety rope not outside of well cap/casing	<u>✓</u>	
Correct well tag attached properly and casing 8" above finished grade	<u>✓</u>	<u>34"</u> 11/20/2018 <u>(Signature)</u>
Water supply line sleeved adequately at house connection	<u>✓</u>	
Adequate grout observed below pitless adapter	<u>✓</u>	



**INTERIM CERTIFICATE OF POTABILITY**

**Expiration Date – JUNE 17, 2019**

December 17, 2018

Homeowner  
12532 Westland Court  
Fulton, MD 20759

**RE: Westland Farm Est., Lot 6**  
**12532 Westland Court**  
**Building Permit: B18001111**  
**Well Permit: HO-15-0204**

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 **11/20/2018**. Final approval of the well line connection to the dwelling was granted on **11/20/2018**. The well construction was completed on **3/30/2016**. Water samples were collected on **12/14/2018**.

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 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-15-0204. 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 Maryland certified water 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>



**Bureau of Environmental Health**  
8930 Stanford Blvd | Columbia, MD 21045  
410.313.2640 - Voice/Relay  
410.313.2648 - Fax  
1.866.313.6300 - Toll Free

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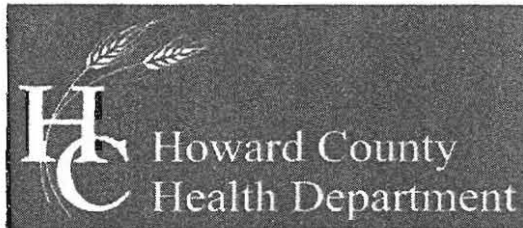
**Maura J. Rossman, M.D., Health Officer**

In closing, please refer to our "Homeowner Fact Sheet" which illustrates a better understanding for your Onsite Sewage Disposal System. You will also find a link to Maryland Department of the Environments website which describes in further detail operation and maintenance of your septic system.

Approving Authority,

Kevin M. Wolf, LEHS, R.S./REHS, 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 Boulevard, Columbia, MD 21045

Main: 410-313-2640 | Fax: 410-313-2648

TDD 410-313-2323 | Toll Free 1-866-313-6300

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

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

Twitter: HowardCoHealthDep

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

## TO ALL INTERESTED PARTIES

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

Well Site Location:

Westland Farm Estates

Subdivision/Property Name

62

Lot #

Lime Kiln Rd

Road Name

☒ The well site has been staked by Fisher Collins & Carter  
(professional land surveyor or company employing professional land surveyors)  
on January 14, 2016 (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.

L. DOLAN AND  
T.E. DOLAN  
193, FOLIO 118

Well box approved  
2/10/16

Well box stacked by  
Fisher Collins & Carter



DO NOT REMOVE THIS TAG  
DEPARTMENT OF THE ENVIRONMENT  
WELL PERMIT NUMBER

H0-15-0204

INFORMATION-GIVE NUMBER AND WRITE  
1800 WASHINGTON BLVD  
BALTIMORE MARYLAND. 21230

**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS

CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE  
ELLICOTT CITY, MARYLAND 21042  
(410) 461 - 2855

**WELL EXHIBIT**  
LOT 6  
**WESTLAND FARM ESTATES**  
APFO DEVELOPMENT PHASE 2  
LOTS 3 THRU 14

TAX MAP #45

ZONED: RR-DED

PARCEL: 28

3RD ELECTION DISTRICT

HOWARD COUNTY, MARYLAND

SCALE: 1" = 100'

DATE: JANUARY 12, 2016



**Collins, Sarah**

---

**From:** Collins, Sarah  
**Sent:** Monday, September 18, 2017 9:29 AM  
**To:** 'kipstover@williamsburgllc.com'  
**Subject:** Westland Farms lot 6 well  
**Attachments:** Photo Sep 06, 11 11 56 AM.jpg

Hi Kip,

I noticed that the well at Westland Farms lot 6 is missing a cap. Please contact a well driller to get the cap replaced- it's possible that our office could hold up a building permit if the well isn't fixed.

Thanks,  
Sarah

Sarah Collins, L.E.H.S.  
Environmental Health Specialist  
Howard County Health Department  
Bureau of Environmental Health  
[SCollins@howardcountymd.gov](mailto:SCollins@howardcountymd.gov)  
410-313-6287

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9/22/17

Well cap replaced at Westland Farms, lot 6 (SC)



Send Report To: Bert Nixon

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

Lab No. Date Received



**E16003655001**

Received: 03/31/2016

Metals

HO-15-0204

Do not write above this line

Howard Co Health Dept.  
Bureau of Environmental Health  
2930 Stanford Blvd.

Columbia, MD 21045

**LABORATORY ANALYSIS REQUEST**

Please Print

Sample ID No: HO-15-0204 Site Name: Westland Farms Lot 6 County: Howard

Sample Source: Lime Kiln Rd Fulton Collector: S. Collins  
Street Town or City Name

Date Collected: 3/30/2016 Time Collected: 11:30 a.m.          p.m. Phone #: 410-313-6287

Sample Preserved By: ☐ Field ☐ ESRL ☐ WMRL ☐ Central Lab

Preservative Used: ☒ HNO<sub>3</sub>          mL pH: < 2

Sample Type: ☒ Drinking Water ☐ Landfill ☒ Source (Raw Water) ☐ Liquid  
Data Category: ☐ Community ☐ Stream ☐ Distribution (Treated) ☐ Solid  
Code ☐ Non-Community ☐ Sediment ☐ Other           
☒ Private

Specify Program: ☒ SDWA ☐ NPDES ☐ CWA ☐ RCRA ☐ Consumer Products ☐ Other         

Type of Sample Preparation: ☐ Total Metals ☐ Total Metals TCLP ☐ Dissolved Metals  
(field preparation required)

Remarks: Sample taken during yield

✓	Element	Results (ppm)	✓	Element	Results (ppm)
	Antimony (Sb)			Copper (Cu)	
	Arsenic (As)			Lead (Pb)	
	Barium (Ba)			Silver (Ag)	
	Beryllium (Be)			Zinc (Zn)	
	Cadmium (Cd)			Aluminum (Al)	
	Chromium (Cr)			Iron (Fe)	
	Mercury (Hg)			Manganese (Mn)	
	Nickel (Ni)			Calcium (Ca)	
	Selenium (Se)			Magnesium (Mg)	
✓	Sodium (Na) <u>245</u>			Potassium (K)	
	Thallium (Tl)			Uranium (U)	
				Vanadium (V)	

Lab Supervisor:         

Date Reported **APR 15 2016**

• Phone: (443) 681-3857

• Fax: (443) 681-4507

HMH 4432 (05/15)

SUBMITTER'S COPY

**RECEIVED**  
**APR 15 2016**  
HOWARD COUNTY HEALTH DEPT.  
COMMUNITY HYGIENE PROGRAM



State of Maryland  
DHMH-Laboratories Administration  
Division of Environmental Chemistry  
**TRACE METALS LABORATORY**  
1770 Ashland Avenue, Baltimore, Maryland 21205  
Robert Myers, Ph.D., Director



## Certificate of Analysis

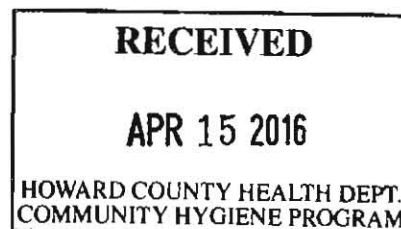
HOWARD CO ENVIRONMENTAL HLTH  
8930 STANFORD BLVD  
COLUMBIA, MD 21045

Lab Project No: E16003655 Date Coll.: 03/30/2016 Date Received 03/31/2016 Submitted By: Collins

Field ID: HO-15-0204  
Lab No.: E16003655001

<u>Method</u>	<u>Element</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>
EPA 200.7	Sodium	2.27	ppm	04/07/2016

### Comments:



Approved by: Yingtao Chen

Approval date: 04/12/2016

\*\*The following methods are included in our A2LA Scope of Accreditation: EPA 200.7, EPA 200.8, EPA 245.1.

This document contains confidential health information that is privileged, confidential and exempt from disclosure under law. If you have received this information in error, please call (410) 767-6944 and arrange for return or destruction.



**FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.**

1413 Old Taneytown Rd. Westminster, MD (410) 848-1014 (410) 876-4554 FAX (410) 848-0298

**REPORT OF ANALYSIS**

Laboratory ID #:	127380	Account #:	4470
Reference:	Westland Farms Lot 6	Company:	Williamsburg Homes LLC
Location:	12532 Westland Court	Requested By:	Bill McBride
	Fulton, MD 20759	Source:	Well Water
Date/ Time Collected:	12/14/2018 1110	Site:	Pressure Tank
Date/Time Rec'd:	12/14/2018 1453	Treatment:	None
Chlorine ppm:	Free: ND Total: ND	pH:	7.2
Collected By:	J. Yeager 6176JY	Well #:	HO-15-0204

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	12/15/2018 / 1130 / BCD
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	12/15/2018 / 1130 / BCD
Nitrate	1.90	mg/L	10	601	12/14/2018 / 1710 / RER
Turbidity	2.88	NTU	<10	SM20 2130B	12/14/2018 / 1655 / RER
Sand	NS	mg/L	5	Visual/Gravimetric	12/14/2018 / 1655 / RER

**NOTES**

- 1 mg/L = milligrams per liter (also, parts per million)
- 2 MPN/ 100 ml = Most Probable Number [of viable bacteria] per 100 ml of sample.
- 3 NS = None Seen (NS indicates less than 5 mg/L)
- 4 NTU = Nephelometric Turbidity Units
- 5 Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- 6 ND:None Detected
- 7 Visual well check: Sealed, vented cap
- 8 pH & Chlorine level tested on site

Reason for Test : Use & Occupancy  
Building Permit # : 18001111

Date Reported: 12/17/2018