C 1 42301 SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND WELL COMPLETION REPORT	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.	
1 2 3 6 (THIS NUMBER IS TO BE PUNCHED IN COLS, 3-6 ON ALL CARDS)	FILL IN THIS FORM COMPLETELY PLEASE TYPE	COUNTY NUMBER	
ST/CO USE ONLY DATE WELL COMPL		PERMIT NO.	
B 13 MM DD DD 16	22 35 26 2/2 20 (TO NEAREST FOOT)	FROM "PERMIT TO DRILL WELL" 28 29 30 31 32 33 34 35 36 37	
OWNER WILLIAMSDURG	Homes		
WELL SITE ADDRESS last name Me. +	first name TOWN F	LOT 10	
WELL LOG	GROUTING RECORD YES NO		
Not required for driven wells	WELL HAS BEEN GROUTED (Circle Appropriate Box)	C 3	
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING	TYPE OF GROUTING MATERIAL (Circle one)	PUMPING TEST HOURS PUMPED (nearest hour)	
DESCRIPTION (Use additional sheets if needed) FROM TO bearing	CEMENT C M BENTONITE CLAY B C	8 \$ 5	
11614	NO. OF BAGS NO. OF POUNDS AS NO. OF POUNDS AS NO. OF POUNDS	PUMPING RATE (gal. per min.)	
Zight	DEPTH OF GROUT SEAL (to nearest foot)	METHOD USED TO MEASURE PUMPING RATE	
Dark D. HIL	from 48 TOP 52 ft. to 54 BOTTOM 58 ft.	WATER LEVEL (distance from land surface)	
Kown 10	(enter 0 if from surface) CASING RECORD	BEFORE PUMPING 57 tt.	
1 num	types insert ST CO	WHEN PUMPING 88 ft	
7000	appropriate code pelow PL OT	22 25	
1 11 21	below PLASTIC OTHER	TYPE OF PUMP USED (for test) A air P piston T turbine	
brey 146 310	MAIN Nominal diameter Total depth CASING top (main) casing of main casing	27 27 27 other	
Linestal	TYPE (nearest inch)! (nearest foot)	C centrifugal R rotary O (describe below)	
	60 61 63 64 66 70	J jet S submersible	
White 30311V	E OTHER CASING (if used) A diameter depth (feet) H inch from to	27 21	
		PUMP INSTALLED DRILLER INSTALLED PUMP YES NO	
Free 211 200	N	(CIRCLE) (YES or NO) IF DRILLER INSTALLS PUMP, THIS SECTION	
1 51 23	screen type SCREEN RECORD	MUST BE COMPLETED FOR ALL WELLS. TYPE OF PUMP INSTALLED	
Limstone	or open hole ST BR HO	PLACE (A,C,J,P,R,S,T,O) 29 IN BOX 29.	
	insert appropriate code BRONZE BRONZE HOLE	CAPACITY: GALLONS PER MINUTE	
	below PL OT PLASTIC OTHER	(to nearest gallon) 31 35	
	C 2 DEPTH (nearest ft.)	PUMP HORSE POWER 37 41 PUMP COLUMN LENGTH	
NUMBER OF UNSUCCESSFUL WELLS:	1240 65 325	(nearest ft.) 43 47	
WELL HYDROFRACTURED Yes Y	E 8 9 11 15 17 21	CASING HEIGHT (circle appropriate box and enter casing height)	
CIRCLE APPROPRIATE LETTER	H 2 23 24 26 30 32 36	LAND SURFACE	
A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED	S C 3	below (nearest) foot)	
P TEST WELL CONVERTED TO PRODUCTION	R 38 39 41 45 47 51 E E SLOT SIZE 1 2 3	49 50 51	
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND		LATITUDE 3 9. 1491394 LONGITUDE 76. 9518969	
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	OF SCREEN (NCH)	(DEFAULT COORD. WGS 84)	
KNOWLEDGE.	from to	Pursuant to \$10-624 of the State Govt. Article of the Maryand Code personal info. requested on	
DRILLERS LIC NO.1 M S.D. 00 9 1	GRAVEL PACK	this form is used in processing this form pursuant to COMAR 26.04.04. Failure to provide the info.	
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)	INSERT F IN BOX 68 68	may result in this form not being processed. You have the right to inspect, amend, or correct this	
LIC. NO. 1 D 1	MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) form. The Maryland Department of the Environment is subject to the Maryland		
LIG. NO.1 D 1	T (E.R.O.S.) W Q	Information Act. This form may be made available on the Internet via MDE's website and is	
SITE SUPERVISOR (sign. of driller or journeyman	70 72 74 75 76	subject to inspection or copying, in whole or in part, by the pulic and other governmental	
responsible for sitework if different from permittee)	TELESCOPE LOG CASING INDICATOR OTHER DATA	agencies, if not protected by federal or state law.	

COUNTY

MDE/WMA/PER.071

B 1 38224 SEQUENCE NO.	STATE OF	MARYLAND	STATE PERMIT NUMBER
(MUE USE ONLY)	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL		110-15-111
1 2 3 6		e type	70 fill in this form completely 79
Date Received (APA)		5 0	fill in this form completely LOCATION OF WELL
OWNER INFOR	RMATION	B 3	LOCATION OF WELL
8 MM DD YY 13	IMATION	Labour	rd
Williamburg Hom	es	8 COUNTY	50 80 100
15 Last Name Owner	First Name 34	23 SUBDIVISION	tarm stares
1548S Harpers face	n		
36 Street of RFD	55	SECTION 44 46	LOT 48 50
57 Town 70 State	72 Zip 76	Freeter	
DRILLER INFORMATION		52 NEAREST TOWN	71
, Allen Comoter	15D 0091		
Driller's Name 76	6 License No. 81	B 4	
1 Frak (1011 Delling 110		SOURCES OF DRILLING WATER	I Lime Kiln Rd
Firm Name	1	1.	11 STREET ADDRESS 30
if a Box 202 Woodby	re molary	2. 3.	ON WHICH SIDE OF ROAD
Address All A	977	3.	(CIRCLE APPROPRIATE BOX)
Signature Company	Date		34 O 37 SOUTH
B 2 WELL INFORMATION	5		DISTANCE FROM ROAD
1 2 APPROX. PUMPING RATE —	8 12		ENTER FT OR MI 38 39
(GAL. PER MIN.) 8 AVERAGE DAILY QUANTITY NEEDED	500		TAX MAP: 45 BLK: 5 PARCEL 28
(GAL. PER DAY) 14	20		
USE FOR WATER (CIRCLE AP		NOT TO) BE FILLED IN BY DRILLER H DEPARTMENT APPROVAL
DOMESTIC POTABLE SUPPLY & RESIDE IRRIGATION	NTIAL	HEALII	T DEPARTMENT APPROVAL
F FARMING (LIVESTOCK WATERING & AGE	RICULTURAL	1 Howard	(13)
IRRIGATION)		COUNTY NAME	COUNTY NO.
22 I INDUSTRIAL, COMMERCIAL, DEWATERII	NG ·	STATE SIGNATURE	INSERT S ─►
P PUBLIC WATER SUPPLY WELL		DATE ISSUED	1 1 1 1
T TEST, OBSERVATION, MONITORING		1/2/30/15	CO SIGNATURE EXP. DATE
O OPEN LOOP GEOTHERMAL C CLOSED LOOP GEOTHERMAL		43 MM DD YY 48	CO SIGNATURE EXPLOATE
C CLOSED LOOP GEOTHERMAL			
		PROPOS	ED LOCATION OF WELL ON LOT
APPROXIMATE DEPTH OF WELL 1300	FEET		JCTURES SUCH AS BUILDINGS, SEPTIC SYSTEM,
24	/ NEAREST		MARKS AND INDICATE NOT LESS THAN TWO CE MEASUREMENTS TO WELL
APPROXIMATE DIAMETER OF WELL	INCH INCH		
METHOD OF DRILLING	(circle one)		
BORED (or Augered) JETTED	Jetted & DRIVEN		11/
30 AIR-ROTary AIR-PERcussion	ROTARY (Hydraulic Rotary)	K	VO
37 CABLE REVerse-ROTary	DRive-POINT	V2	Low
other		XZ	, No
REPLACEMENT OR DEEPE	ENED WELLS		f., ol
(CIRCLE APPROPRIATE			Y/ N/
THIS WELL WILL NOT REPLACE AN EXISTI			
THIS WELL WILL REPLACE A WELL THAT I	WILL BE		January
THIS WELL WILL REPLACE A WELL THAT			
39 AS A STANDBY-CONTACT LOCAL APPROV	ING AUTHORITY		
THIS WELL WILL DEEPEN AN EXISTING W	ELL		
PERMIT NUMBER OF WELL TO BE REPLACED O		N	1
(IF AVAILABLE) 41	- 52		
Not to be filled in by driller (MDE OR C	COUNTY USE ONLY)	1	
	G		
APPROP. PERMIT NUMBER			
PERMIT No. HO	-15-0144		
70 71 7	72 73 74 75 76 77 78 79		
SPECIAL CONDITIONS NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED-	2 Steel Casin	a. Must ex	tend 50' depoth or &

@ COUNTY 10' into Bedrock

Date: February 1, 2016

FIELD DATE SHEET HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO-15-0164

Location of Property: <u>Lime Kiln Rd Fulton, Md</u>

Subdivision: Westland Farm Estates Lot: 10

Well Driller: Allen Compton Owner: Williamsburg Homes

Depth of Well: 325'

Distance of measuring point (M.P.) above ground: 3'_

Static water level (S.W.L.) below M.P.:_57'

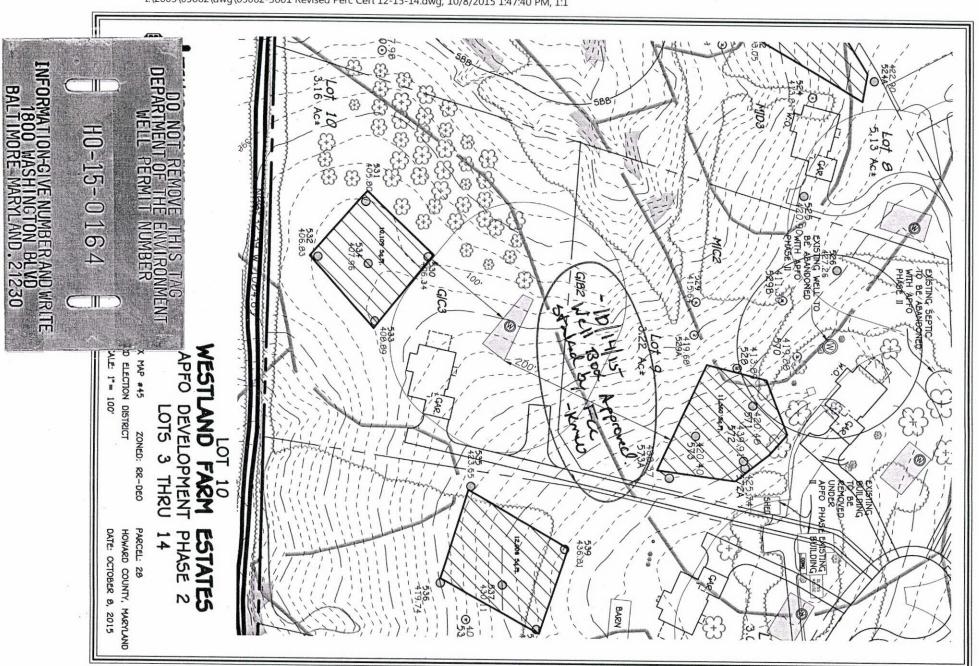
High rate pumping -reservoir Drawdown

Time pump started: 9:00 Pumping rate: 8.5

Total time _75 Mins _____ to reach pumping water level _88 ft. below M.P.

Recovery pump test data - observations to be recorded every 15 minutes

TIME (in 15 minute intervals)	WATER LEVEL Below M.P.	PUMPING RATE Time to fill 1 gallon bucket	FLOW METER READING (if used)	(gallons per minute)
9:00	57'	7 Seconds		8.5 gpm
9:15	68'	7 Seconds		8.5
9:30	74'	7		8.5
9:45	83'	7		8.5
10:00	86'	7		8.5
10:15	88'	7		8.5
10:30	88'	7		8.5
10:45	88'	7		8.5
11:00	88'	7		8.5
11:15	88'	7	A	8.5
11:30	88'	7		8.5
11:45	88'	7		8.5
12:00	88'	7		8.5
12:15	88'	7		8.5
12:30	88'	7		8.5
12:45	88'	7		8.5
1:00	88'	7		8.5
1:15	88'	7		8.5
1:30	88'	7 Seconds		8.5 gpm



FOW ARD COUNTY BEALTH DEPARTMENT SURPAU OF ENVIRONMENTAL HEALTH WELL & SEPTIC PROGRAM TEL: (410)515-1771 PAY: (410)513-2648

Information Form for the Installation of the Well Pump, Piffess Adapter, and Supply Fining

MOHE. The installer is responsible for requesting an inspection prior to 9 am an the day of the plestied

inspection. No work is to be covered until approved by the Health Department. All installations must comply. with the Mational Standard Plumbing Code (NSPC, as smephed locally) and COMAR 26.84.84 (MD Well Construction Regulations). Submission of a complete form is required prior to Use and Occupancy approval Company Name PONES WELL AM DOLLING THEATMENT, LLC Obrecht Licensed Well Promp, Installer (Musicircle one) Licensed Plumber Licensel Well Driller Lacense " and name of individual responsible for the field installation: frave. Name (Print): License# A licensed individual must persorm the actual installation. Apprentices must be under the supervision of a freenseljou neyman or master plumber, pump intaller or well differ. Tacenses may be subjected in field verticition. Unbreased individuals may be reported to the appropriate licensing agency. Name of Property Owner WILLIAMS DUKE GYOW Telephonie # 246 Sobitivisian UPSTICING Late Well Tark HO-329 Westring Site Address Well Cap and Electric Condmit Salmaersible Pump Dais Make Cimpbell Model & 1550F Two piece waterfield cap: Model 4 Screened vented well cap: Depth: 36 1 (36 min)
NSE/WSC approved: VC Pump Capacity 5 Cap secured to casing . 1 GPM Commitmin 18 E.G. Depth of well encountered at time of pump installation: 325 (fied) Conduit secured to well cap: 1784

From capacity exceeds well yield, a low water cutoff switch is required by NSPC 1990 Section 1784 Tompe arrestors, Cable guards, or other acceptable method used. Most carde one · Canty rope, if used, attached to buses rope adapter or other acceptable method inside of well resident House Connection PVC sheve to undistraised soil at wall penetration Length of sleeves minimum ting from daring) (36° min) . Sleeve scaled properly. Depth of supply line 00 The water supply line is required to be at least ter feet from the septic tank, prump chamber, sewage piping. distribution bor, drainfields, and sewage reservence. If this cannot be accomplished, contact this office for approval prior to installation. For Health Department Use Only - Nat to be completed by Installer Date Insp. Requested: 02/19/2019 Date Insp. Approved: 02 Inspection Data. Pitless anapter waterfight & water supply Inc 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 2/19/2019 Safety rope not outside of well caplasing Connect well tag attached properly and casing 5" above finished grade Water supply line sleeved adequately at house connection Adequate grout observed below pitess adapter



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

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

INTERIM CERTIFICATE OF POTABILITY

Expiration Date - October 30, 2019

April 30, 2019

Homeowner 12529 Westland Court Fulton, MD 20759

RE: Westland Farm Est., Lot 10

12529 Westland Court

Building Permit: B18002808 Well Permit: HO-15-0164

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 2/19/2019. Final approval of the well line connection to the dwelling was granted on 2/19/2019. The well construction was completed on 2/1/2016. Water samples were collected on 4/24/2019.

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-15-0164. 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

Website: www.hchealth.org Facebook: www.facebook.com/hocohealth Twitter: @HoCoHealth



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

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,

Hank Oswald

Hank Oswald, LEHS 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 21045 410.313.2640 - Voice/Relay 410.313.2648 - Fax 1.866.313.6300 - Toll Free

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,

Hank Gamald

Hank Oswald, LEHS Well & Septic Program

cc:

Howard County Dept. of Inspections, Licenses, and Permits

Community Hygiene Program

File

Oswald, Hank

From: Oswald, Hank

Sent: Tuesday, April 30, 2019 11:02 AM

To: Anest, Cathy; DeMarco, Rebecca; Frey, Thomas; Huskins, Thomas; 'Kelly, Sean'; Reger,

Linda; Sauerwein, Sandra; Schmidt, Heather; Wingo, Judy;

'MARINAMORRIS@WILLIAMSBURGLLC.COM'; BillMcBride@williamsburgllc.com

Cc: Wolf, Kevin; Martin, Sharhonda; Flemming, Rachel; Cook, Kathleen

Subject:ICOP_12529 Westland CourtAttachments:ICOP_12529 Westland Court.pdf

Hello All:

Good morning. Attached, please find the ICOP letter for 12529 Westland Court. Should you have any questions, please don't hesitate to ask.

Respectfully,

Hank

Hank Oswald
Licensed Environmental Health Specialist
Howard County Health Department
Bureau of Environmental Health
Well & Septic Program
8930 Stanford Boulevard
Columbia, MD 21045
410.313.1786 (Office)
hoswald@howardcountymd.gov

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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 #: 129713

Account #: 4470

Reference:

Westland Farms Lot 10

Williamsburg Homes LLC

Location:

12529 Westland Court

Requested By: Bill McBride

Fulton, MD 20759

Source:

Date/ Time Collected: 4/24/2019

Well Water

1118

Pressure Tank

Date/Time Rec'd:

4/24/2019

1503

None

Chlorine ppm:

Free: ND

Total: ND

Treatment: 7.2 pH:

Collected By:

J. Yeager

6176JY

Well #:

Site:

Company:

HO-15-0164

PARAMETERS	RESULTS	UNITS RE	FERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	4/25/2019 / 1000 / CRS
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	4/25/2019 / 1000 / CRS
Nitrate	<1.0	mg/L	10	601	4/24/2019 / 1510 / RER
Turbidity	4.83	NTU	<10	SM20 2130B	4/24/2019 / 1515 / RER
Sand	NS	mg/L	5	Visual/Gravimetric	c 4/24/2019 / 1515 / RER

NOTES

- 1 mg/L = milligrams per liter (also, parts per million)
- MPN/ 100 ml = Most Probable Number [of viable bacteria] per 100 ml of sample. 2
- 3 NS = None Seen (NS indicates less than 5 mg/L)
- NTU = Nephelometric Turbidity Units
- 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
- pH & Chlorine level tested on site

Reason for Test:

Use & Occupancy

Building Permit #:

18002808

Date Reported: 4/25/2019

Oswald, Hank

From:

Wolf, Kevin

Sent:

Tuesday, April 30, 2019 10:19 AM

To:

Oswald, Hank

Subject:

FW: 12529 Westland Court

Attachments:

Analysis Report.pdf

From: Marina Morris < Marina Morris@williamsburgllc.com>

Sent: Tuesday, April 30, 2019 9:32 AM

To: Wolf, Kevin < KWolf@howardcountymd.gov>
Cc: Bill McBride < BillMcBride@williamsburgllc.com>

Subject: FW: 12529 Westland Court

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Hi Kevin,

What do I need to do to get the certificate of potability for Westland Farm Estates Lot 10. Attached is the analysis report. The address is 12529 Westland Court, Fulton, MD. The permit number is B18002808. Thank in advance for your help.

Marina Morris Williamsburg Group, LLC 410-997-8800 X18

From: Addison Bond <AddisonBond@williamsburgllc.com>

Sent: Monday, April 29, 2019 7:27 AM

To: Marina Morris < Marina Morris@williamsburgllc.com>

Cc: Bill McBride <BillMcBride@williamsburgllc.com>; Tim Morris <TimMorris@williamsburgllc.com>

Subject: Fwd: 12529 Westland Court

WFE 10 Well Passed.

Addison Bond Project Manager Williamsburg Homes 240-393-2942 addisonbond@williamsburgllc.com

Begin forwarded message:

From: Lori Ott < loriott@fval.com Date: April 26, 2019 at 2:28:43 PM EDT

To: Addison Bond <AddisonBond@williamsburgllc.com>

Subject: 12529 Westland Court