C SEQUENCE NO. (MDE USE ONLY) (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)		STATE OF MARYLAND WELL COMPLETION REPORT	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED. COUNTY NUMBER		
		FILL IN THIS FORM COMPLETELY PLEASE TYPE			
ST/CO USE ONLY DATE Received MM DD YY B 13	DAT	TE WELL	COMPL		PERMIT NO. FROM "PERMIT TO DRILL WELL" 28 29 30 31 32 33 34 35 36 37
OWNER	HEV last name	170	36	Land Development	115600
WELL SITE ADDRESS_ SUBDIVISION	nden	Gr	NE	SECTIONTOWN	LOT 2
	L LOG		0,0	GROUTING RECORD yes no	[C]3
Not required	for driven v	vells		WELL HAS BEEN GROUTED Y N (Circle Appropriate Box)	1 2 PUMPING TEST 2
STATE THE KIND OF FORM COLOR, DEPTH, THICKNE	SS AND IF W	ETRATED,	THEIR	TYPE OF GROUTING MATERIAL (Circle one)	HOURS PUMPED (nearest hour)
DESCRIPTION (Use additional sheets if needed)	FROM	ЕЕТ То	check if water	CEMENT CM BENTONITE CLAY BC	8/9
Soil	0	4	bearing	NO. OF BAGS NO. OF POUNDS 45 46 GALLONS OF WATER DEPTH OF GROUT SEAL (to nearest foot)	PUMPING RATE (gal. per min.) METHOD USED TO MEASURE PUMPING RATE
Brown				from ft. to ft.	WATER LEVEL (distance from land surface)
Shale	4	25		(enter 0 if from surface) casing CASING RECORD	BEFORE PUMPING $\frac{32}{17}$ ft.
Tan Shale	25	40		types insert appropriate code ST CO CONCRETE	WHEN PUMPING 85 ft.
Brown				below PLASTIC OTHER	TYPE OF PUMP USED (for test) A air P piston T turbine
STALE	40	82		MAIN Nominal diameter Total depth CASING top (main) casing of main casing TYPE (nearest inch)! (nearest foot)	C centrifugal R rotary O other (describe below)
med Gray	00	2		60 61 63 64 66 70 E OTHER CASING (if used)	J jet S submersible
ROCK	82	300		A diameter depth (feet) H inch from to	PUMP INSTALLED
		135	-	S I	DRILLER INSTALLED PUMP YES NO (CIRCLE) (YES or NO)
				screen type SCREEN RECORD	IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS. TYPE OF PUMP INSTALLED
				or open hole ST BR HO insert STEEL BRASS OPEN	PLACE (A,C,J,P,R,S,T,O) 29 IN BOX 29. CAPACITY:
				appropriate code below BRONZE HOLE DT OTHER	GALLONS PER MINUTE (to nearest gallon) 31 35
				C 2 DEPTH (nearest ft.)	PUMP HORSE POWER PUMP COLUMN LENGTH 41
NUMBER OF UNSUCCESS	SFUL WELI	0.000	/no	Ho 85 300	(nearest ft.) 43 47
WELL HYDROFRACTURE	D	Y		E 8 9 11 15 17 21 C 2	CASING HEIGHT (circle appropriate box and enter casing height)
CIRCLE APPROPRIATE LETTER A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED ELECTRIC LOG OBTAINED TEST WELL CONVERTED TO PRODUCTION				H 23 24 26 30 32 36 S C 3 R 38 39 41 45 47 51	LAND SURFACE (nearest) 49 below foot)
WELL I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND			RUCTED IN	E SLOT SIZE 1 2 3 N DIAMETER (NEAREST	LATITUDE 3 9 . 32 7 3 8 LONGITUDE 7 7 . 6627 6
IN CONFORMANCE WITH ALL CO CAPTIONED PERMIT, AND THA HEREIN IS ACCURATE AND C KNOWLEDGE.	ONDITIONS S' T THE INFOR	MATION PE	HE ABOVE RESENTED	OF SCREEN (NEAREST OF SCREEN INCH) (NEAREST OF SCREEN INCH)	(DEFAULT COORD. WGS 84) Pursuant to \$10-624 of the State Govt. Article of
DRILLERS LIC NO. M ND 3551			5.	GRAVEL PACK	the Maryand Code personal info. requested on 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 MDE USE ONLY	may result in this form not being processed. You have the right to inspect, amend, or correct this
Ch NOT WRD 113.			3.	(NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q	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
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)				70 72 74 75 76 TELESCOPE LOG 74 75 76 CASING INDICATOR OTHER DATA	subject to inspection or copying, in whole or in part, by the pulic and other governmental agencies, if not protected by federal or state law.

MDE/WMA/PER.071

COUNTY

Page of \
Date of \\
D

FIELD DATA SHEET HOWARD COUNTY WELL YIELD TEST

Well Permit No Location of pro	. HO - 17-00 operty (road)	29 Dassy Road Lot Owner		
Subdivision (Well Driller _	Barlow	Lot Owne	Block	Plat Sec
Depth of Distance	f well 300 p	oint (M.P.) above gr	round ~1.5'	
		rvoir drawdown reach pumping water observations to be	100	
TIME (in 15 minute in- tervals	WATER LEVEL below M.P.		FLOW METER READI (if used)	NG CALCULATED FLOW (gallons per minute)
12:4800	951	10 Fre		
12:	0-1	9 =		
13:00 B:15	184	9 sec		1 Ggan
13:30	283'	10 Sec		Legon
4				



MICHAEL BARLOW WELL DRILLING & SERVICE, INC.

522 Underwood Lane

Bel Air, Maryland 21014

(410) 838-6910

Fax (410) 838-3582

WELL YIELD REPORT

	Date Test Completed:	August 23, 2017		
	Well Depth:	300	feet	
Customer	Heritage Land Development	Permit #	HO-17-0129	
Road	Daisy Road	Subdivision	Linden Grove	
City State	Lisbon	Section		
State	Maryland	Lot #	2	

Time		Water Level In Feet		Time to Fill 1-gallon bucket seconds	G.P.M.
1:00 PM		32		5	12.00
1:15 PM		85		9	6.67
1:30 PM		85		9	6.67
1:45 PM		85		9	6.67
2:00 PM		85		9	6.67
2:15 PM		85		9	6.67
2:30 PM		85		9	6.67
2:45 PM		85		9	6.67
3:00 PM		85		9	6.67
3:15 PM		85		9	6.67
3:30 PM		85		9	6.67
3:45 PM		85		9	6.67
4:00 PM		85		9	6.67
4:15 PM		85		9	6.67
This yield te	est report is for inform	ational purposes only. F	lease note th	e yield may increase or decreas	e
over time a	nd the GPM indicated	above is not a guarante	е.		



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

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: FOOKS WELL PUMPS WIFE Telephone #: 410 798 5676 Address: 500 COVERN F.C. SUKESVIVE, 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 (Fage 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. To 1 By Others Telephone #:					
Subdivision: Lot #: 2 Well Tag #: HO - 17 - 012 9					
Site Address: 15609 Linder Grap Line					
- WIDODDING, MD 21797					
Submersible Pump Data Pitless Adapter Well Cap and Electric Conduit					
Make: Make: Make: 1 Two piece watertight cap: 1/5					
Model #: SCEOT-180 Model#: NA Screened, vented well cap:					
Pump Capacity 5 GPM Depth: 3(a) (36" min) Cap secured to casing:					
Well Yield: 0. 0 CPM NSF/WSC approved: 1/6 Conduit min 18" B.G.: 1/6					
Depth of well encountered at time of pump installation: 300 (feet) Conduit secured to well cap!					
If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4					
Must circle one: Torque arrestors / Cable guards / Other acceptable method used					
Safety rope, if used, attached to brass rope adapter or other acceptable method inside of well casing					
Piping to house House Connection					
Type: 1" 100 V OC PVC sleeve to undisturbed soil at wall penetration: 165					
PSI: Z(X)(160 psi min) Length of sleeve(5' minimum from foundation):					
Depth of supply line: 36" min) Sleeve sealed properly: \(\square\)					
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 <u>cannot</u> be accomplished, contact this office for approval prior to installation.					
misianation.					
() (M L / DA V (0/15/2021					
Signature of company representative responsible for installation date					
For Health Department Use Only - Not to be completed by Installer					
Date Insp. Requested: 6/15/21 Date Insp. Approved: 6/15/21 Inspector:					
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					

(Revised form 10/24/2018)



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 - April 5, 2022

October 5, 2021

Homeowner 15609 Linden Grove Lane Woodbine, MD 21797

RE:

Linden Grove, Lot 2

15609 Linden Grove Lane **Building Permit: B21000029** Well Permit: HO-17-0129

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 8/17/2021. Final approval of the well line connection to the dwelling was granted on 6/15/2021. The well construction was completed on 10/25/2017. Water samples were collected on 9/23/2021.

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-17-0129. 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 "<u>Homeowner Fact Sheet</u>" 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

in h. Half

Well & Septic Program

cc: Howard County Dept. of Inspections, Licenses, and Permits

Community Hygiene Program

File

FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

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

REPORT OF ANALYSIS

Laboratory ID #:

147528

Account #:

1933

Reference:

Linden Grove Lot 2

Client:

Fogle's Well Pump & Treatment

Location:

15609 Linden Grove Lane

Requested By: Dave Fogle

Woodbine, MD 21797

Source:

Well Water

Date/ Time Collected: 9/23/2021

1510

Site:

Pressure Tank

Date/Time Rec'd:

9/23/2021

1600 Total: ND

Treatment:

None 6.6

Chlorine ppm: Collected By:

Free: ND J. Evans

0309JE

pH: Well #:

HO-17-0129

PARAMETERS	RESULTS	UNITS REI	FERENCI	E METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	9/24/2021 / 1015 / CRS
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	9/24/2021 / 1015 / CRS
Nitrate	3.45	mg/L	10	601	9/23/2021 / 1630 / TSD
Turbidity	0.87	NTU	<10	SM20 2130B	9/24/2021 / 1030 / CRS
Sand	>5	mg/L	5	Visual/Gravimetric	9/23/2021 / 1625 / TSD

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
- NTU = Nephelometric Turbidity Units 3
- pH and Chlorine level tested in lab (pH tested after recommended holding time) 4
- 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 Sample collected by client, analyzed as received
- Visual well check: Sealed, vented cap

Reason for Test:

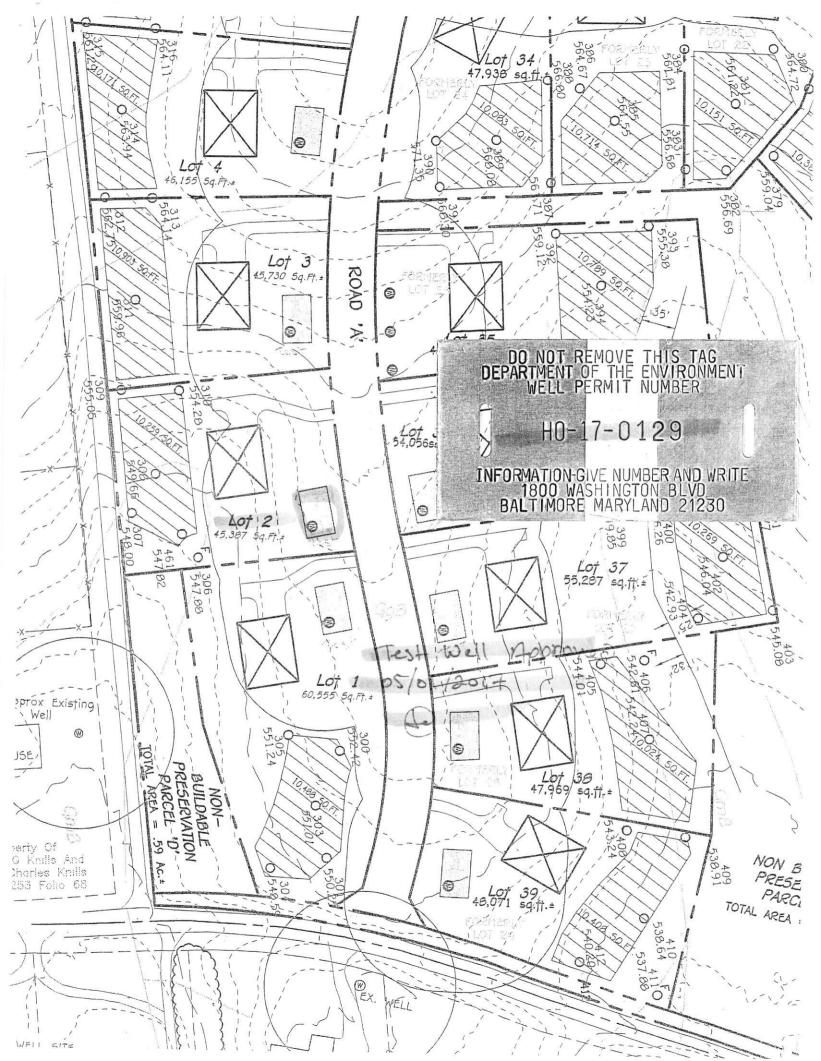
Use & Occupancy

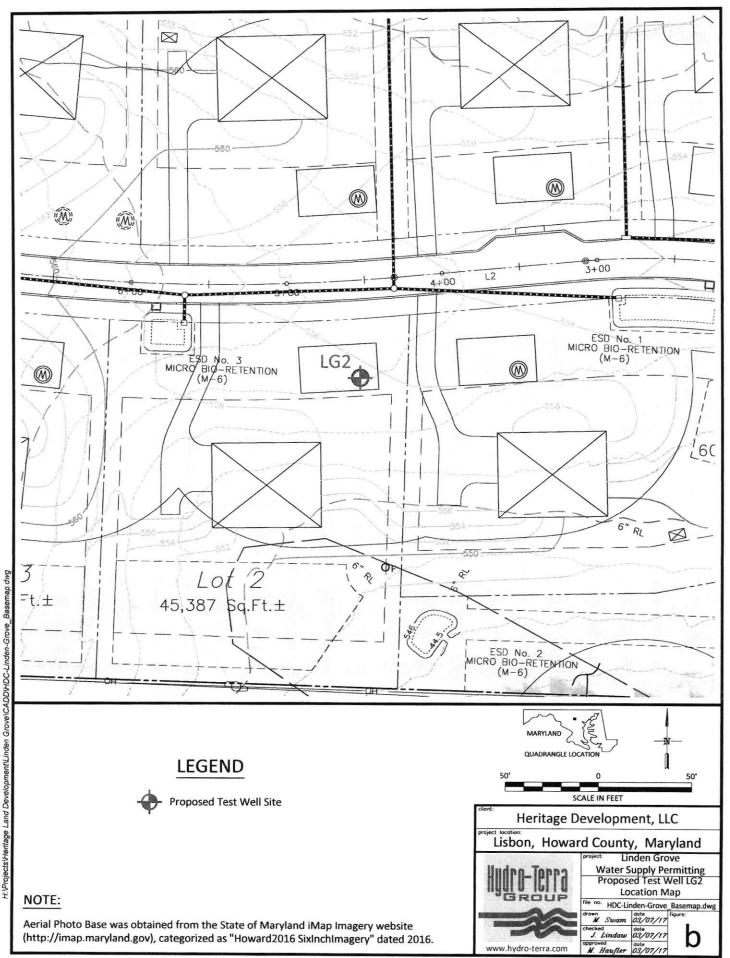
Building Permit #:

B21000029

Date Reported:

9/24/2021





Plotted on: March 23, 2017

MICHAEL BARLOW WELL DRILLING 522 UNDERWOOD LANE BEL AIR, MD 21014 410-838-6910

Howard County Health Dept 8930 Stanford Blvd Columbia, MD 21046 Attn: Kevin Wolf

June 11, 2018

Re: Linden Grove

Mr. Wolf,

Our firm drilled test wells on lots 1, 2, 3, 30, 36 & 37 at Linden Grove last year for testing required as part of the GAP process. Heritage Land Development would now like to convert those lots to production wells. This letter serves as a formal request for those conversions. Please advise me if permit fees were paid when we applied for the permits or if they are due to your office.

Michael Barlow MWD355

HO	OWARD COUNTY	HEALTH DEPARTMENT	63027
	(6178/8	W5
Received The From	perthy/	Heitale PHONE #	
CASH For	Well	Completion	Reports -
CHECK	1 - Lot	1,2,3,30,36,	37 Grave
1099 7	lere re	rdred six7	Dollars
\$ 960 00	Received By	- Off	inf