

C1 46071 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. COUNTY NUMBER DATE RECEIVED DATE WELL COMPLETED Depth of Well PERMIT NO. FROM "PERMIT TO DRILL WELL"

OWNER BOARMAN George WELL SITE ADDRESS Andrea Drive TOWN West Friendship SUBDIVISION Paupers Ferry SECTION LOT 3

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 FROM TO check if water bearing

GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box) TYPE OF GROUTING MATERIAL (Circle one) CEMENT CM BENTONITE CLAY BC NO. OF BAGS 7 NO. OF POUNDS 350 GALLONS OF WATER 161 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 50 ft. CASING RECORD casing types insert appropriate code below MAIN CASING TYPE ST Nominal diameter top (main) casing (nearest inch) 6 Total depth of main casing (nearest foot) 60 OTHER CASING (if used) diameter inch depth (feet) from to

PUMPING TEST HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min.) 4.6 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 20 ft. WHEN PUMPING 97 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

NUMBER OF UNSUCCESSFUL WELLS: 2 WELL HYDROFRACTURED YES NO Y N 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

DEPTH (nearest ft.) 59 600 SCREEN RECORD screen type or open hole insert appropriate code below ST STEEL BR BRASS HO OPEN HOLE PL PLASTIC OT OTHER

PUMP INSTALLED DRILLER INSTALLED PUMP (CIRCLE) (YES or NO) 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 1 (nearest foot)

DRILLERS LIC. NO. 1 MW D 040 DRILLERS SIGNATURE George F. Earls LIC. NO. 1 JS D 038 SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68 MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q TELESCOPE CASING LOG INDICATOR OTHER DATA

LATITUDE 39.203033 LONGITUDE 76.983979 (DEFAULT COORD. WGS 84) Pursuant to 0-624 of the State Govt. Article of the Maryland Code, info. requested on this form is being provided pursuant to the Freedom of Information Act. Failure to provide the info. requested on 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 1 <div style="font-size: 2em; font-weight: bold; margin-top: 10px;">47506</div>	SEQUENCE NO. (MDE USE ONLY) 	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">560316B</div> <div style="font-size: 0.8em;">please type</div>	STATE PERMIT NUMBER <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">HO-17-0012</div> <div style="font-size: 0.8em;">fill in this form completely</div>
Date Received (APA) <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">01/21/17</div>		LOCATION OF WELL <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">Howard</div> <div style="font-size: 0.8em;">8 COUNTY</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">Paupers Folly</div> <div style="font-size: 0.8em;">23 SUBDIVISION</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">West Friendship</div> <div style="font-size: 0.8em;">52 NEAREST TOWN</div>	
OWNER INFORMATION <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">BORMAN BOARMAN ^{SC} GEORGE</div> <div style="font-size: 0.8em;">15 Last Name Owner First Name 34</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">3625 ANDREA DRIVE</div> <div style="font-size: 0.8em;">36 Street or RFD 5</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">WEST FRIENDSHIP, MD 21794</div> <div style="font-size: 0.8em;">57 Town 70 State 72 Zip 76</div>		DRILLER INFORMATION <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">George F. Easterday ^{MW D} 040</div> <div style="font-size: 0.8em;">Driller's Name 76 License No. 88</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">L. Franklin Easterday, Inc.</div> <div style="font-size: 0.8em;">Firm Name</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">9265 Brown Church Rd., Mt. Airy, Md. 21771</div> <div style="font-size: 0.8em;">Address</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">George F. Easterday</div> <div style="font-size: 0.8em;">Signature Date 1/23/2017</div>	
B 2 WELL INFORMATION <div style="font-size: 0.8em;">1 2</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">APPROX. PUMPING RATE</div> <div style="font-size: 0.8em;">(GAL. PER MIN.)</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">500</div> <div style="font-size: 0.8em;">8</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">AVERAGE DAILY QUANTITY NEEDED</div> <div style="font-size: 0.8em;">(GAL. PER DAY)</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">500</div> <div style="font-size: 0.8em;">14 20</div>		B 4 SOURCES OF DRILLING WATER <div style="font-size: 0.8em;">1. wells</div> <div style="font-size: 0.8em;">2.</div> <div style="font-size: 0.8em;">3.</div>	
USE FOR WATER (CIRCLE APPROPRIATE BOX) <div style="font-size: 0.8em;">22</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">D DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">I INDUSTRIAL, COMMERCIAL, DEWATERING</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">P PUBLIC WATER SUPPLY WELL</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">T TEST, OBSERVATION, MONITORING</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">O OPEN LOOP GEOTHERMAL</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">C CLOSED LOOP GEOTHERMAL</div>		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">Howard</div> <div style="font-size: 0.8em;">COUNTY NAME</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">13</div> <div style="font-size: 0.8em;">COUNTY NO.</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">STATE SIGNATURE</div> <div style="font-size: 0.8em;">DATE ISSUED</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">2/7/17</div> <div style="font-size: 0.8em;">43 MM DD YY 48</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">Sub. G.H.</div> <div style="font-size: 0.8em;">CO SIGNATURE</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">2/7/18</div> <div style="font-size: 0.8em;">EXP. DATE</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">DON: 3/13/17 ^{SC} DOG: 3/13/17 ^{SC} BOY: 3/22/17 ^{SC}</div>	
<div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">APPROXIMATE DEPTH OF WELL</div> <div style="font-size: 0.8em;">24 28 FEET</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">300</div> <div style="font-size: 0.8em;">APPROXIMATE DIAMETER OF WELL</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">6</div> <div style="font-size: 0.8em;">NEAREST INCH</div>		<div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">3/13</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">3/16</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">3/22</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">450'</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">315</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">3122</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">Julia Manor Way</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">- setting casing</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">- 2 gpm</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">- 60' steel casing</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">- at 500' 400'</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">- 20' static</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">- 97' m.p.</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">- 11 am pumps art</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">- 4.6 gpm</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">- collected Na, Cl, + TDS samples</div>	
METHOD OF DRILLING (circle one) <div style="font-size: 0.8em;">30 BORED (or Augered)</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">AIR-ROTARY</div> <div style="font-size: 0.8em;">JETTED</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">AIR-PERCussion</div> <div style="font-size: 0.8em;">Jettied & DRIVEN</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">ROTARY (Hydraulic Rotary)</div> <div style="font-size: 0.8em;">CABLE</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">REVerse-ROTary</div> <div style="font-size: 0.8em;">Drive-POINT</div> <div style="font-size: 0.8em;">other</div>		REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) <div style="font-size: 0.8em;">39</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">N THIS WELL WILL NOT REPLACE AN EXISTING WELL</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">D THIS WELL WILL DEEPEN AN EXISTING WELL</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)</div> <div style="font-size: 0.8em;">41 52</div>	
Not to be filled in by driller (MDE OR COUNTY USE ONLY) <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">APPROP. PERMIT NUMBER</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">G</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">PERMIT No. HO-17-0012</div> <div style="font-size: 0.8em;">70 71 72 73 74 75 76 77 78 79</div>			
SPECIAL CONDITIONS <div style="font-size: 0.8em;">NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">The Health Dept. must receive advance notification</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">Sodium, chloride, + TDS sample</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">req'd at yield.</div> <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">of all drilling, grouting, + yield tests.</div>			

Date 3-21-17 Tuesday

Review

3.22.7

FIELD DATA SHEET
HYDROGEOLOGIC AREA (3) WELL YIELD TEST

Maryland Well Permit No. HO-17-0012

Election District

Location of Property (road) *Andrea Dr.*

Subdivision Pauper's to 114 Lot 3 Block . Plat . Sec .

Well Driller EASTERN Owner George Boatman

Depth of Well 600 2 1/2

Distance of Measuring Point (M.P.) above ground 10'

Static Water Level (S.W.L.) below M.P. 20'

I. High Rate Pumping -- reservoir drawdown pump set at 375

Time pump started 11:00

Pumping rate 17 Gpm

Total time 20 min to reach pumping water level 27 ft. below M.P.

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

[illegible]

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: Fogles Well Pump & Water Treatment, LLC Telephone #: 410 795 5676
Address: 580 Obrecht 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 Fogle 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: NVR Inc Telephone #: _____
Subdivision: Belvedere Estates Lot #: 3 Well Tag #: HO-17-0012
Site Address: 1319 Tergo Dr
West Friendship, MD 21794

Submersible Pump Data

Make: Goulds
Model #: 7H510422
Pump Capacity: 7
Well Yield: 4.6

Depth of well encountered at time of pump installation: 600 (feet)
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 N/A

Pitless Adapter

Make: Campbell+
Model#: N/A
GPM Depth: 36" (36" min)
GPM NSF/WSC approved: yes

Well Cap and Electric Conduit

Two piece watertight cap: yes
Screened, vented well cap: yes
Cap secured to casing: yes
Conduit min 18" B.G.: yes
Conduit secured to well cap: yes

Piping to house

Type: 1" poly pipe
PSI: 200 (160 psi min)
Depth of supply line: 36" (36" min)

House Connection

PVC sleeve to undisturbed soil at wall penetration: yes
Length of sleeve (5' minimum from foundation): 6'
Sleeve sealed properly: yes

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: [Signature]

date: 3/13/2020

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

Date Insp. Requested: _____ Date Insp. Approved: 3/13/20 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

✓
✓
✓
✓
✓
✓

(Revised form 10/24/2018)

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

February 23, 2018

Homeowner
13719 Tergeo Drive
West Friendship, MD 21794

Dear Homeowner,

The Health Department received results from the testing for sodium, chloride, and total dissolved solids (TDS) from the well on your property.

Elevated sodium levels in drinking water may affect individuals on low-salt diets. The action level for sodium is 20 milligrams per liter (mg/L); **sodium from your well measured 6.60 mg/L.**

Chloride and TDS are both considered secondary contaminants, meaning high concentrations may affect taste, color, odor, or corrosive properties of water but present no risk to health. The secondary maximum contaminant level for chloride is 250 mg/L; **chloride from your well measured 25 mg/L.** The secondary maximum contaminant level for TDS is 500 mg/L; **TDS from your well measured 215 mg/L.**

Feel free to contact me at the number or email below with any questions regarding the results of water sampling.

Sincerely,



Sarah Collins, L.E.H.S.
Howard County Health Department
Well & Septic Program
SCollins@howardcountymd.gov
410-313-6287

Cc: Community Hygiene Program
File

INTERIM CERTIFICATE OF POTABILITY

Expiration Date – NOVEMBER 21, 2020

May 21, 2020

Homeowner
13719 Tergeo Drive
West Friendship, MD 21794

**RE: Belvedere Estates, Lot 3
13719 Tergeo Drive
Building Permit: B19004383
Well Permit: HO-17-0012**

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 **3/23/2020**. Final approval of the well line connection to the dwelling was granted on **3/13/2020**. The well construction was completed on **3/13/2017**. Water samples were collected on **5/7/2020, 5/18/2020**.

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-17-0012. 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.**

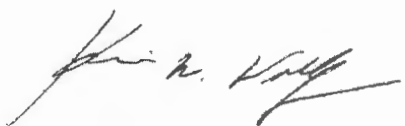
Please contact (410) 313-1773 to schedule a final water sample appointment or contact a Maryland certified water laboratory to schedule a water sample. A list of laboratories certified by the state of Maryland may be found at the following website:

<http://www.mde.state.md.us/assets/document/WSP-Labs-2010apr16.pdf>

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

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 #: 137332 Account #: 1933
Reference: Belvedere Estates Lot 3 Company: Fogles Well Pump & Treatment
Location: 13719 Tergeo Drive Requested By: Dave Fogle
West Friendship, MD 21794 Source: Well Water
Date/ Time Collected: 5/18/2020 0730 Site: Kitchen Sink Tap
Date/Time Rec'd: 5/18/2020 1105 Treatment: Filter/Multi-Media Softener
Chlorine ppm: Free: ND Total: ND pH: 6.4
Collected By: B. Wilkerson 9315BW Well #: HO-17-0012

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Turbidity	<0.30	NTU	<10	SM20 2130B	5/19/2020 / 1015 / RER
Sand	ND	mg/L	5	Visual/Gravimetric	5/19/2020 / 1015 / RER
Iron	0.02	mg/L	0.3*	FR, 45 (126)	5/18/2020 / 1645 / RER

NOTES

- 1 *SMCL = Secondary Maximum Contaminant Level
- 2 mg/L = milligrams per liter (also, parts per million)
- 3 NTU = Nephelometric Turbidity Units
- 4 ND:None Detected
- 5 Visual well check: Sealed, vented cap
- 6 pH and Chlorine level tested in lab (pH tested after recommended holding time)

Reason for Test : Use & Occupancy

Building Permit # : 19004383

Date Reported: 5/19/2020

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 #: 137139 Account #: 1933
Reference: Belvedere Estates Lot 3 Company: Fogles Well Pump & Treatment
Location: 13719 Tergeo Drive Requested By: Dave Fogle
West Friendship, MD 21794 Source: Well Water
Date/ Time Collected: 5/7/2020 1200 Site: Pressure Tank
Date/Time Rec'd: 5/7/2020 1252 Treatment: None
Chlorine ppm: Free: ND Total: ND pH: 6.6
Collected By: B. Wilkerson 9315BW Well #: HO-17-0012

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	5/8/2020 / 0930 / BCD
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	5/8/2020 / 0930 / BCD
Nitrate	6.87	mg/L	10	601	5/7/2020 / 1615 / RER
Turbidity	131	NTU	<10	SM20 2130B	5/7/2020 / 1625 / RER
Sand	Present	mg/L	5	Visual/Gravimetric	5/8/2020 / 1130 / CRS
Iron	9.40	mg/L	0.3*	FR, 45 (126)	5/8/2020 / 1100 / CRS

NOTES

- 1 *SMCL = Secondary Maximum Contaminant Level
- 2 mg/L = milligrams per liter (also, parts per million)
- 3 MPN/ 100 ml = Most Probable Number [of viable bacteria] per 100 ml of sample.
- 4 NTU = Nephelometric Turbidity Units
- 5 Present for sand indicates greater than 5 mg/L
- 6 Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- 7 Sample collected by client, analyzed as received
- 8 ND:None Detected
- 9 Visual well check: Sealed, vented cap
- 10 pH and Chlorine level tested in lab (pH tested after recommended holding time)

Reason for Test : Use & Occupancy

Building Permit # : 19004383

Date Reported: 5/8/2020

Send Report To: Bert Nixon
Howard Co. Health Dept.
Bureau of Environmental Health
8930 Stanford Blvd.
Columbia, MD 21045

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

Lab No. Date Received



E17003703003

Received: 03/23/2017

Metals

HO-17-0012

DO NOT WRITE ABOVE THIS LINE

LABORATORY ANALYSIS REQUEST

Please Print

Sample ID No: HO-17-0012 Site Name: Pangors Folly - Lot 3 County: Howard

Sample Source: Andrea Drive Dayton Collector: S. Collins
Street Town or City Name

Date Collected: 3 / 22 / 20 17 Time Collected: _____ a.m. 12:30 p.m. Phone #: 410-313-6287

Sample Preserved By: ☐ Field ☐ ESRL ☐ WMRL ☐ Central Lab
Preservative Used: ☒ HNO₃ _____ mL pH: < 2, 3/23/17, SHS

Sample Type: ☒ Drinking Water ☐ Landfill ☒ Source (Raw Water) ☐ Liquid
☐ Community ☐ Stream ☐ Distribution (Treated) ☐ Solid
Data Category ☐ Non-Community ☐ Sediment ☐ Other _____
Code ☐ ☒ 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 collected during yield test.

✓	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>JMS</u>			Potassium (K)	
	Thallium (Tl)			Uranium (U)	
				Vanadium (V)	

Lab Supervisor: _____

Date Reported: ____/____/____

•Phone: (443) 681-3857

•Fax: (443) 681-4507

DHMH 4432 (05/15)

SUBMITTER'S COPY

Umbria, MD 21045

Do not write above this line.

SUBMITTER'S COPY



State of Maryland
DHMH-Laboratories Administration
Division of Environmental Chemistry
INORGANICS ANALYTICAL 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 NoE17003702 Date Coll. 03/22/2017 Date Received 03/23/2017 Submitted By: S. Collins

Field ID: HO-17-0012
Lab No.: E17003702003

<u>Analyte</u>	<u>Method</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>
Chloride	SM 4500-Cl E	25	mg/L	03/27/2017
Total Dissolved Solids	SM 2540C	215	mg/L	03/24/2017

Comments:

Approved by:

Approval date: 04/03/2017

*The following methods are included in our A2LA Scope of Accreditation: EPA150.1, EPA 353.2, EPA 375.2, SM4500F C, SM 4500-CN G & QCM-CN, QCM-CN.

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) 767-6190 and arrange for return or destruction.



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: E17003703 Date Coll.: 03/22/2017 Date Received 03/23/2017 Submitted By: Collins

Field ID: HO-17-0012
Lab No.: E17003703003

<u>Method</u>	<u>Element</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>
EPA 200.7	Sodium	6.60	ppm	03/24/2017

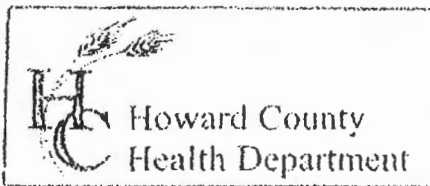
Comments:

Approved by: Sadia Muneeb

Approval date: 04/04/2017

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

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3525 H Ellicott Mills Drive, Ellicott City, MD 21043
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

Penny E. Borenstein, M.D., M.P.H., 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:

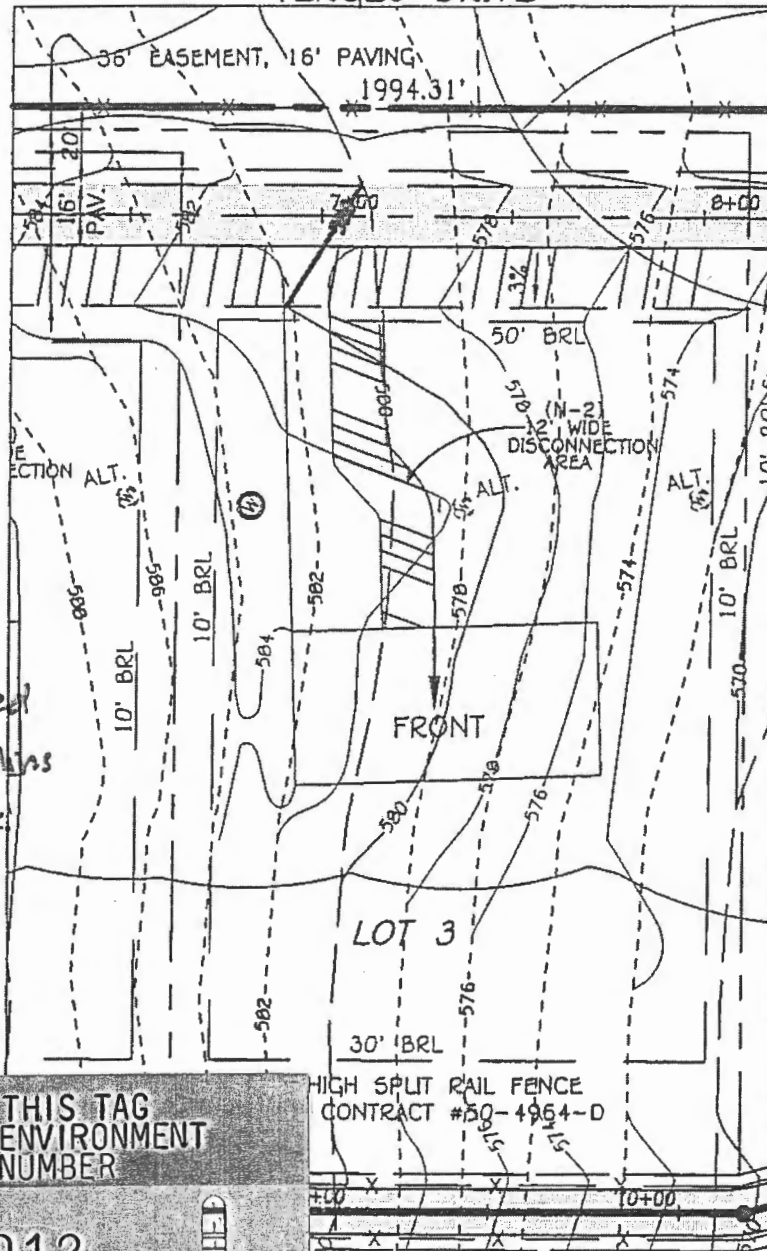
- ☒ The well site has been staked by Fisher Collins & Carter,
(professional land surveyor or company employing professional land surveyors)
on 1-25-17 (date) and does not require a site inspection.
- ☐ The well driller, builder or property owner will call the Health
Department to schedule a time to meet 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 6/10/03

Paupers Folly

PRIVATE USE-IN COMMON DRIVEWAY
TERGEO DRIVE



Well sites
approved
2/7/17 SC

Well sites staked
by Fisher, Collins
& Carter, Inc

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

H0-17-0012

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

PLAN

Scale: 1" = 50'

HIGH SPLIT RAIL FENCE
CONTRACT #50-4954-D

asting	Longitude	Latitude
871.2332	W76° 59' 02.30"	N39° 16' 22.85"

LOT 3 WELL MAP

PAUPERS FOLLY

LOTS 1-11, BUILDABLE PRESERVATION PARCEL 'A'
AND NON-BUILDABLE PRESERVATION PARCEL 'B'

ZONED: RR-DEO

TAX MAP No. 22 GRID No. B PARCEL No. 116 & P/O No. 7

THIRD ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

DATE: JANUARY 20, 2017

SHEET 3 OF 11

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10672 BALTIMORE NATIONAL PIKE
ELLCOTT CITY, MARYLAND 21042
(410) 461 - 2855