

C1 24974

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.

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

COUNTY NUMBER

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

OWNER: Heritage Land Development last name first name TOWN: Washburne WELLSITE ADDRESS: Heritage Bridge Rd. SUBDIVISION: Loden Grove SECTION: LOT: 37

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries for Soil, Brown Shale, Soft Gray Rock, Med Gray Rock.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL (CM), CEMENT (CM), BENTONITE CLAY (BC), NO. OF BAGS (22), NO. OF POUNDS (600), GALLONS OF WATER (110), DEPTH OF GROUT SEAL (0 to 60 ft).

CASING RECORD: MAIN CASING TYPE (PL), Nominal diameter top (main) casing (6 inch), Total depth of main casing (60 foot).

OTHER CASING (if used): PL, 4 1/2 inch diameter, 60 to 140 depth.

SCREEN RECORD: screen type or open hole (ST), insert appropriate code below.

NUMBER OF UNSUCCESSFUL WELLS: 0. WELL HYDROFRACTURED: Y (yes), N (no).

CIRCLE APPROPRIATE LETTER: A (well abandoned and sealed), 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...

DRILLERS LIC. NO.: MW D 355. DRILLERS SIGNATURE: [Signature]. LIC. NO.: WR 013 D.

SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

C2 DEPTH (nearest ft.): 1 HO 60 300. A 8 9 11 15 17 21. C 23 24 26 30 32 36. S 38 39 41 45 47 51. E SLOT SIZE 1 2 3. DIAMETER OF SCREEN (NEAREST INCH) 56 60.

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.

C3 PUMPING TEST: HOURS PUMPED (nearest hour) 3. PUMPING RATE (gal. per min.) 12.0. METHOD USED TO MEASURE PUMPING RATE: Water Bucket. WATER LEVEL (distance from land surface) BEFORE PUMPING 26 ft. WHEN PUMPING 27 ft. TYPE OF PUMP USED (for test) 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 below LAND SURFACE (nearest foot) 1.

LATITUDE 39.32980. LONGITUDE 77.06305. (DEFAULT COORD. WGS 84) NOTES:

TAG# 7/1/2020(35)

B 1 68364 SEQUENCE NO. (MDE USE ONLY) **STATE OF MARYLAND** STATE PERMIT NUMBER
APPLICATION FOR PERMIT TO DRILL WELL HO-20-0031
 please type 50784-M 70 fill in this form completely 79

OWNER INFORMATION
 Date Received (APA) 07/20/20
 8 MM DD YY 13
Heritage Land Development
 15 Last Name Owner First Name 34
PO Box 482
 36 Street or RFD 55
Lisbon, Md 21765
 57 Town 70 State 72 Zip 76

B 3 LOCATION OF WELL
Howard
 8 COUNTY 21
Linden Grove
 23 SUBDIVISION 42
 SECTION 44 46 LOT 37 48 50
Woodbine
 52 NEAREST TOWN 71

DRILLER INFORMATION
Michael Barlow MW D 355
 Driller's Name 76 License No. 81
Barlow Well Drilling
 Firm Name
507 Underwood Ln, Bel Air, Md 21034
 Address
[Signature] 7-1-2020
 Signature Date

B 4 SOURCES OF DRILLING WATER
 1. Well
 2.
 3.
Heritage Ridge Rd
 11 STREET ADDRESS 30
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 NORTH [] SOUTH []
 WEST [] EAST []
 34 37
 DISTANCE FROM ROAD
 ENTER FT OR MI 38 39
 TAX MAP: 8 BLK: 7 PARCEL 5

B 2 WELL INFORMATION
 APPROX. PUMPING RATE 5
 (GAL. PER MIN.) 8 12
 AVERAGE DAILY QUANTITY NEEDED 750
 (GAL. PER DAY) 14 20

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

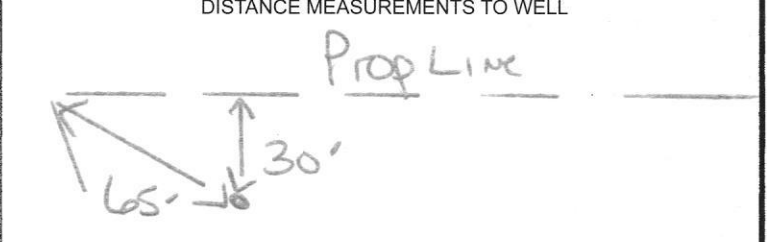
NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
Howard 13
 COUNTY NAME COUNTY NO.
 STATE SIGNATURE _____ INSERT S → 41
 DATE ISSUED 07/21/20 Juan Thomas 07/21/21
 43 MM DD YY 48 CO SIGNATURE EXP. DATE
 DON: 8/20/20 DOG: 8/20/20 DOY: 8/25/20

APPROXIMATE DEPTH OF WELL 300 FEET
 24 28

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

APPROXIMATE DIAMETER OF WELL 6 INCH
 NEAREST INCH

METHOD OF DRILLING (circle one)
 BORED (or Augered) JETTED Jetted & DRIVEN
 30 AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary)
 37 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 DEEPEAN AN EXISTING WELL
 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 _____ 52

8/20/20 - drilling complete
 driller pulling rods out
 60' PVC casing
 80' liner - 60' to 140'
 300' deep
 10' gpm
 bedrock - 55'
 fractures @ 100' & 265'
 driller to ground 3/20/20
 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.

Not to be filled in by driller (MDE OR COUNTY USE ONLY)
 APPROP. PERMIT NUMBER H0-20-0031
 PERMIT No. H0-20-0031
 70 71 72 73 74 75 76 77 78 79



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 25, 2020

Well Depth: 300 feet

Customer Heritage Land Development
 Road Daisy Road
 City Lisbon
 State Maryland

Permit # HO-20-0031
 Subdivision Linden Grove
 Section _____
 Lot # 37

Time	Water Level In Feet	Time to Fill 1-gallon bucket seconds	G.P.M.
10:00 AM	26	5	12.00
10:15 AM	26	5	12.00
10:30 AM	26	5	12.00
10:45 AM	27	5	12.00
11:00 AM	27	5	12.00
11:15 AM	27	5	12.00
11:30 AM	27	5	12.00
11:45 AM	27	5	12.00
12:00 PM	27	5	12.00
12:15 PM	27	5	12.00
12:30 PM	27	5	12.00
12:45 PM	27	5	12.00
1:00 PM	27	5	12.00
This yield test report is for informational purposes only. Please note the yield may increase or decrease over time and the GPM indicated above is not a guarantee.			

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: Eagles Well Pump + Water Treatment, LLC Telephone #: 410 795 1535
 Address: PO Box 123
Woodbine, MD 21797

Must circle one: Licensed Plumber / Licensed Well Driller / Licensed Well Pump Installer

License # and name of individual responsible for the field installation:
 Name (Print): Nahid C Eagle License #: MSD2226

*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: Toll Brothers Telephone #: _____
 Subdivision: Inden Grove Lot #: 37 Well Tag #: HO-20-0031
 Site Address: 1434 Heritage Ridge Rd
Woodbine, MD 21797

05/02/2022 *JP*

Submersible Pump Data

Make: MUNROS
 Model #: ISSR007-120
 Pump Capacity: 15
 Well Yield: 17

Pitless Adapter

Make: Campbell +
 Model #: NA
 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 1.8" E.G.: YES
 Conduit secured to well cap: YES

Depth of well encountered at time of pump installation: 300 (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 wrenches / Cable guards / Other acceptable method used

Safety rope, if used, attached to brass rope adapter or other acceptable method inside of well casing NA

Piping to house

Type: 1" NON 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.

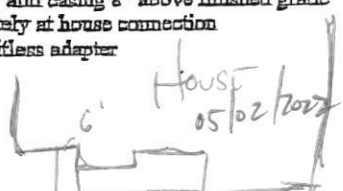
Signature of company representative responsible for installation: [Signature] date: 4/29/2022

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

Date Insp. Requested: 05/02/2022 Date Insp. Approved: 05/02/2022 Inspector: [Signature]
 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 1.8" 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

36" 05/02/2022 *JP*
32" 05/02/2022 *JP*
29" 05/02/2022 *JP*

(Revised form 10/24/2016)





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

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:

Linden Grove 37 Heritage Ridge Rd.
Subdivision/Property Name Lot # Road Name

The well site has been staked by Fisher, Collins & Carter,
(professional land surveyor or company employing professional land surveyors)
on 06/16/20 (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.



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

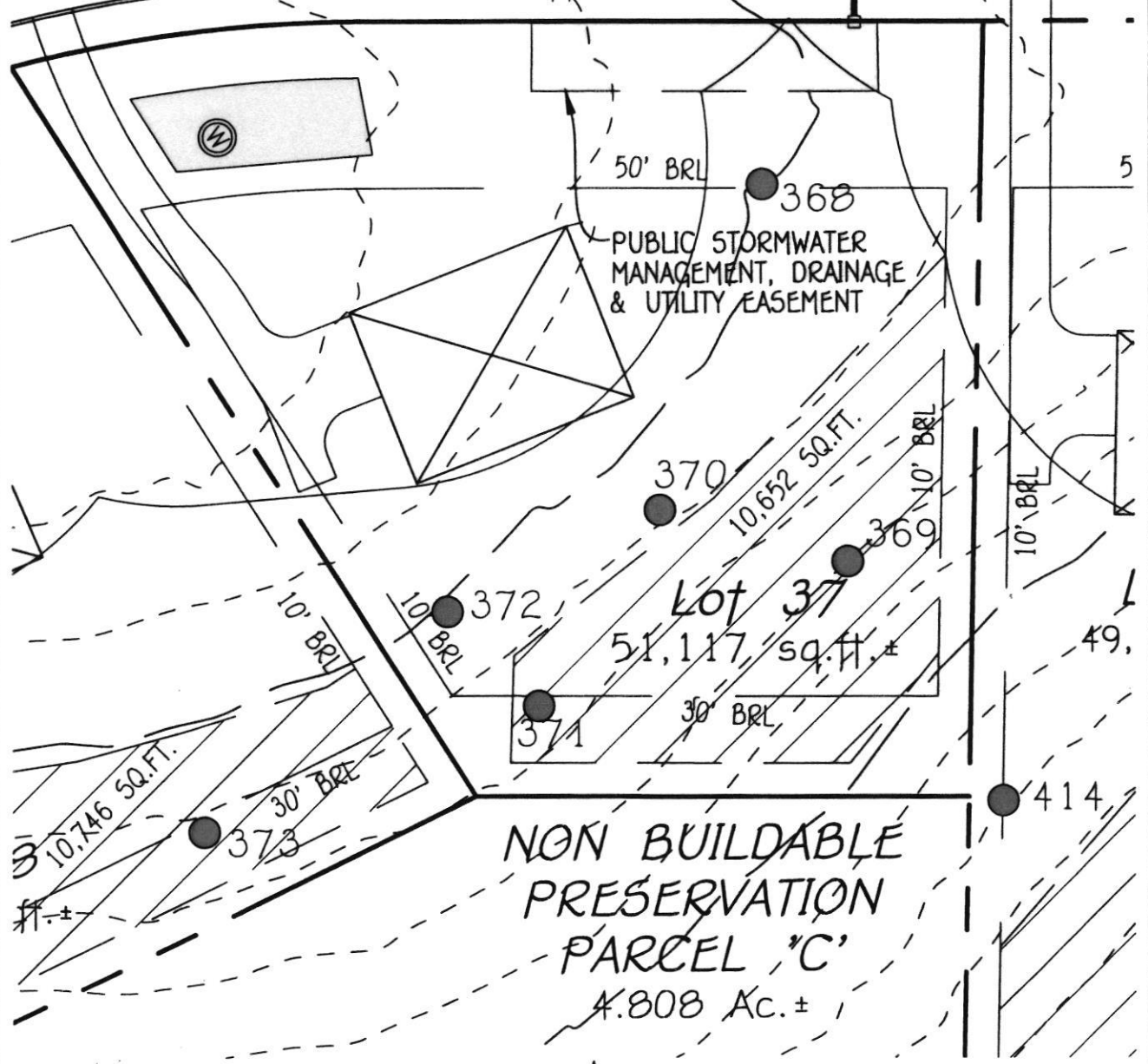
HO-20- 0031

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

Linden Grove, Lot 37
Approved 7/21/20 (SD)

Staked by FCC

Heritage Ridge Road



NON BUILDABLE
PRESERVATION
PARCEL 'C'
4.808 Ac. ±

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLCOTT CITY, MARYLAND 21042
(410) 461 - 2055



EXHIBIT TO ACCOMPANY WELL PERMIT
LOT 37
LINDEN GROVE
PHASE TWO
ZONED: RC-DEO
TAX MAP No. 8 GRID No. 7 PARCEL No. 5
HOWARD COUNTY, MARYLAND SCALE 1" = 50'
DATE: MAY 6, 2020

INTERIM CERTIFICATE OF POTABILITY

Expiration Date – February 16, 2023

August 16, 2022

Homeowner
1434 Heritage Ridge Road
Woodbine, MD 21797

RE: Linden Grove, Lot 37
1434 Heritage Ridge Rd
Building Permit: B21003178
Well Permit: HO-20-0031

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 **6/14/2022**. Final approval of the well line connection to the dwelling was granted on **5/2/2022**. The well construction was completed on **8/23/2020**. Water samples were collected on **8/5/2022**.

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-20-0031. 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

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

MEMORANDUM

TO: M. Barlow Well Drilling
522 Underwood Lane
Bel Air, MD 21014

FROM: Susan Thomas
Environmental Health Specialist
Howard County Health Department
Well & Septic Program

RE: Linden Grove Lots 24-37 & 39
Special Conditions for wells

DATE: July 21, 2020

The following comments apply to the above referenced Well Permit Applications. Please read through and complete as needed.

- A. The wells for the Linden Grove subdivision lots 24 thru 37 & 39 were staked with only one selected well site per the approved percolation certification plan signed 09/11/2018. If the well driller cannot confirm a successful well on this one well site, they will need to have the surveyor come back out and stake out the entire well box/alt well sites. This will need to be verified through the Health Department.**

- B. Lots 26, 30 & 36 will require samples for Sodium, Chloride and TDS to be collected at the time of the Yield Test.**

FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

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

REPORT OF ANALYSIS

Laboratory ID #: 153734 Account #: 1933
Reference: Linden Grove Lot 37 Client: Fogle's Well Pump & Treatment
Location: 1434 Heratage Ridge Road Requested By: Dave Fogle
Woodbine, MD 21797 Source: Well Water
Date/ Time Collected: 8/5/2022 0900 Site: Pressure Tank
Date/Time Rec'd: 8/5/2022 1050 Treatment: None
Chlorine ppm: Free: ND Total: ND pH: 6.5
Collected By: J. Evans 0309JE Well #: HO-20-0031

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	8/6/2022 / 0900 / CRS
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	8/6/2022 / 0900 / CRS
Nitrate.	5.96	mg/L	10	EPA 300.0	8/5/2022 / 1437 / TSD
Turbidity	<0.30	NTU	<10	SM2130B	8/5/2022 / 1430 / TSD
Sand	ND	mg/L	5	Visual/Gravimetric	8/5/2022 / 1420 / TSD

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 NTU = Nephelometric Turbidity Units
- 4 Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- 5 Sample collected by client, analyzed as received
- 6 ND = None Detected
- 7 Visual well check: Sealed, vented cap
- 8 pH and Chlorine level tested in lab (pH tested after recommended holding time)

Reason for Test : Use & Occupancy

Building Permit # : 21003178

Date Reported: 8/8/2022