| C1 55755 | 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 PUIN COLS. 3-6 ON ALL CARD | | FILL IN THIS FORM COMPLETELY PLEASE TYPE | COUNTY NUMBER |
| ST/CO USE ONLY DATE Received MM DD VY 8 13 | DATE WELL COMP | Depth of Well 22 26 26 27 20 PLETED Depth of Well 26 26 | PERMIT NO. FROM "PERMIT TO DRILL WELL" - 17 - 03 72 28 29 30 31 32 33 34 35 36 3 |
| OWNER ZIEGU | last name - | & SOPHIE - TOLL BROTHER | |
| WELL SITE ADDRESSSUBDIVISIONKIND | PROPOSED | PUDDING LANE first name TOWN ELL | LOT 15 |
| WELL | | GROUTING RECORD yes no | C 3 |
| Not required for | | WELL HAS BEEN GROUTED (Circle Appropriate Box) | 1 2 PUMPING TEST |
| STATE THE KIND OF FORMAT COLOR, DEPTH, THICKNESS | | TYPE OF GROUTING MATERIAL (Circle one) | HOURS PUMPED (nearest hour) |
| DESCRIPTION (Use additional sheets if needed) | FEET check if water bearing | 45 46 | PLIMPING PATE (ast ass pin) 2 |
| VELLOW- BROWN CLAEY SAPROLITE WHITE QUARTITE GNEISS HARD GRAY/ BLACK GNEISS: ERACTURE GRAY/ BLACK GNEISS SOFT GNEISS GRAY/ BLACK GNEIS | 0 10 10 41 X 41 190 190 191 X 261 191 275 275 280 1280 463 | GALLONS OF WATER | PUMPING RATE (gal. per min.) METHOD USED TO MEASURE PUMPING RATE WATER LEVEL (distance from land surface) BEFORE PUMPING TYPE OF PUMP USED (for test) A air P piston T turbine T other (descrit below) F submersible PUMP INSTALLED DRILLER INSTALLED PUMP (CIRCLE) (YES or NO) IF DRILLER INSTALLED FOR ALL WELLS. TYPE OF PUMP INSTALLED IN BOX 29. CAPACITY: |
| NUMBER OF UNSUCCESSFO | | BRONZE HOLE COde below DEPTH (nearest ft.) | GALLONS PER MINUTE (to nearest gallon) 31 3 PUMP HORSE POWER PUMP COLUMN LENGTH (nearest ft.) 43 44 |
| WELL HYDROFRACTURED | yes no | E 1 8 9 11 15 17 21 | CASING HEIGHT (circle appropriate box and enter casing height) |
| A A WELL WAS ABANDONE WHEN THIS WELL WAS (E ELECTRIC LOG OBTAINE TEST WELL CONVERTED | RIATE LETTER ED AND SEALED COMPLETED | C 2 H 23 24 26 30 32 36 S C 3 R 38 39 41 45 47 51 | delow LAND SURFACE LAND SURFACE Continue |
| I HEREBY CERTIFY THAT THIS WELL ACCORDANCE WITH COMAR 26.04.0. IN CONFORMANCE WITH ALL CONE CAPTIONED PERMIT, AND THAT THEREIN IS ACCURATE AND COM KNOWLEDGE. | L HAS BEEN CONSTRUCTED IN 4 "WELL CONSTRUCTION" AND DISCONSISTED IN THE ABOVE HE INFORMATION PRESENTED | DIAMETER 6 (NEAREST OF SCREEN INCH) | LATITUDE 3 9. 257455 LONGITUDE 7 6. 883761 (DEFAULT COORD. WGS 84) |
| DRILLERS LIC. NO.1 M DRILLERS SIGNATURE (MUST MATCH SIGNATURE OF LIC. NO.1 | A APPLICATION) MWD 594 DRILLER driller or journeyman | 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 70 72 TELESCOPE LOG CASING INDICATOR OTHER DATA | 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. 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 pulic and other governmental agencies, if not protected by federal or state law. |

| SEQUENCE NO. | STATE OF | MADVI AND | STATE PERMIT NUMBER |
|--|--|---|---|
| B 1 (MDE USE ONLY) | STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL | | ICITO TO TO TO |
| 59802 | - 1 / / | se type | HO - 1+ 703+2 |
| 1 2 3 6 | 564054-15 Pleas | e type | fill in this form completely |
| Date Received (APA) | | B 3 | LOCATION OF WELL |
| 8 MM DD YY 13 | RMATION | Howard | 1 |
| Ziegler Jessica & | Sashie | 8 COUNTY | 21 |
| 15 Last Name Owner | First Name 34 | Lings Fores | + |
| 730 Dolores Street | , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | 23 SUBDIVISION | 42 |
| 36 Street or RFD | 55 | SECTION L | LOT 1 151 |
| Son Francisco CA | 94110 | 44 46 | 48 50 |
| 57 Town 70 State | 72 Zip 76 | Ellicott Ci | 44 |
| DRILLER INFORMATION | | 52 NEAREST TOWN | 71 |
| RANDALL L. ALEXANDER | WWD 576. | | 0 .0 .0d |
| Driller's Name | 6 License No. 81 | B 4 | O Profose |
| ALEXANDER'S WELL DRILLIA | VG | SOURCES OF DRILLING WATER | Rudding Lane, |
| Firm Name | 177 | 1 WELL WATER | 11 STREET ADDRESS 30 |
| 126 W. MAIN ST. P.O. BOX 44 | REATRETERO, PA. 175 | 2. | ON WILLIAM SIDE OF BOAR NORTH |
| Address | , | 3. | ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) |
| Radall L draf | 10-1-18 | | WESTGRAST |
| Signature | Date | | 34 175 37 SOUTH |
| B 2 WELL INFORMATION | > 2 | | DISTANCE FROM ROAD |
| 1 2 APPROX. PUMPING RATE (GAL. PER MIN.) | 8 12 | | ENTER FT OR MI 38 39 |
| AVERAGE DAILY QUANTITY NEEDED | 606 | | TAX MAP: 23 BLK: 23 PARCEL 148 |
| (GAL. PER DAY) 14 | 20 | | |
| USE FOR WATER (CIRCLE AF | | NOT TO | D BE FILLED IN BY DRILLER H DEPARTMENT APPROVAL |
| D DOMESTIC POTABLE SUPPLY & RESIDE IRRIGATION | ENTIAL | HEALT | TI DEPARTMENT APPROVAL |
| F FARMING (LIVESTOCK WATERING & AG | RICHI THRAI | 1 House | (70) |
| IRRIGATION) | THOOLI OT VIE | COUNTY NAME | COUNTY NO. |
| 22 I INDUSTRIAL, COMMERCIAL, DEWATER | ING | STATE SIGNATURE | INSERT S |
| P PUBLIC WATER SUPPLY WELL | | DATE ISSUED | INSENT 3 41 |
| TEST, OBSERVATION, MONITORING | | 1 11/20/18 | 200 Cl 10 116019 |
| O OPEN LOOP GEOTHERMAL | | 43 MM DD YY 48 | CO SIGNATURE EXP. DATE |
| C CLOSED LOOP GEOTHERMAL | | | |
| | | DON: 12/27 Dage | |
| APPROVIMATE DEPTH OF WELL 1 30 | 0 | [1] - [2] [2] 다 아이는 아이를 가게 하는 아이는 아이를 하는데 뭐 하는데 뭐 뭐 하는데 뭐 뭐 하는데 뭐 뭐 뭐 하는데 뭐 뭐 뭐 하는데 뭐 뭐 하는데 뭐 뭐 뭐 하는데 뭐 뭐 뭐 뭐 뭐 뭐 뭐 뭐 뭐 뭐 뭐 뭐 뭐 뭐 하는데 뭐 뭐 뭐 뭐 뭐 뭐 뭐 뭐 뭐 뭐 뭐 뭐 뭐 뭐 뭐 뭐 뭐 뭐 뭐 | SED LOCATION OF WELL ON LOT |
| APPROXIMATE DEPTH OF WELL 24 | PEET 28 | 1 | JCTURES SUCH AS BUILDINGS, SEPTIC SYSTEM, DMARKS AND INDICATE NOT LESS THAN TWO |
| ADDDOVIMATE DIAMETED OF WELL | / NEAREST | DISTAN | ICE MEASUREMENTS TO WELL |
| APPROXIMATE DIAMETER OF WELL | INCH | 12/27/2018 (N) | 1-1 |
| METHOD OF DRILLING | (circle one) | - red. 1052218 | 3 |
| BORED (or Augered) JETTED | Jetted & DRIVEN | Pin | 3 |
| 30 AIR-ROTary AIR-PERcussion | ROTARY (Hydraulic Rotary) | 200' Due 0 | @ Magection |
| 37 CABLE REVerse-ROTary | DRive-POINT | | 1 of 15 12 |
| other | | - NO Casing | [] |
| REPLACEMENT OR DEEP | ENED WELLS | · BR @10' | D |
| (CIRCLE APPROPRIATI | | | DO |
| N THIS WELL WILL NOT REPLACE AN EXIST | ING WELL | 1 ' | - Rox P |
| Y THIS WELL WILL REPLACE A WELL THAT | WILL BE | 12 | wens |
| ABANDONED AND SEALED | | | 115 |
| 39 S THIS WELL WILL REPLACE A WELL THAT AS A STANDBY-CONTACT LOCAL APPROV | | n n | |
| FOR POLICY ON STANDBY WELLS | ing Admonit | | suant to § 10-624 of the State Govt. Article of the yland Code, personal info requested on this form |
| D THIS WELL WILL DEEPEN AN EXISTING W | 'ELL | is us | sed in processing this form pursuant to COMAR |
| PERMIT NUMBER OF WELL TO BE REPLACED O | | 26.0 | 4.04. Failure to provide the info may result in |
| (IF AVAILABLE) 41 | 52 | tills | form not being processed. You have the right to sect, amend, or correct this form. The Maryland |
| Not to be filled in by driller (MDE OR C | COUNTY USE ONLY) | T Dep | partment of the Environment is subject to the |
| 4023 | 100001 | | ryland Public Information Act. This form may be de available on the Internet via MDE's website and |
| APPROP. PERMIT NUMBER | 1800H | | ibject to inspection or copying, in whole or in part, |
| 110 | -17-0377 | by t | he public and other governmental agencies, if not |
| PERMIT No. 70 71 | 72 73 74 75 76 77 78 79 | prot | ected by federal or State Law. |
| SPECIAL CONDITIONS NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED- | PADILIM SA | MPIFS REDU | DIPED * |

| Page 1 of / pate 1-4-19 | | Review | |
|---|---------------------|--------|-------------------|
| Pate 1-4-19 | FIELD DATA SHEET | | |
| Well Permit No. HO - 17-0372 Location of property (road) PRO Subdivision Kings FOREST | Lot 15 | | Sec. |
| Depth of well 463 FT Distance of measuring point | (M.P.) above ground | 2 FT. | 2 — TOLL BROTHERS |

Total time | Hour to reach pumping water level | 70 ft. be High rate pumping -- reservoir drawdown

DURING TEST 2 G.P.M

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

| TIMB (in 15 minute in- tervals | WATER LEVEL below M.P. | PUMPING RATE time to fill X / gallon bucket | FLOW METER READING (if used) | CALCULATED FLOW (gallons per minute) |
|--------------------------------------|---------------------------|---|---------------------------------|--|
| 8:45 A:M | 28 FT | 5 SEC | | 12 G.P.M |
| 9:00 | 56 | 5 SEL | | 12 GAM |
| 9:15 | 122 | 5 564 | | 12 . G.P.M |
| 9:30 | -147 | 5 SEC | | 12 G.P.M |
| 9:45 | 170 | 30 SEC | | 2 G.P.M |
| 10:00 | 170 | 30 SFC | | 2 G-PM |
| 10:15 | 1.70 | 30 SEC | | 2 6PM |
| 10:30 | 1.70 | 30 SEC. | | 26Pm |
| 10:45 | 170 | 30 SEC | | 26PM . |
| 11:00 | 170 | 30 SEC | | Z GPM |
| 11:15 | 170 | 30 SEC | | Z GPM |
| 11:30 | 170 | 30 SEC | | ZGPM |
| 11:45 | 170 | . 3 = SEC | | 2 6PM |
| 12:00 PM | 170 | 30 SEL | | Z GPM |
| 12:15 | 170 | 30 SEC | | 2 6pm |
| 12:30 | 170 | 30 SEC | | 2 6PM. |
| 12:45 | 170 | 30 SEC. | | Z69m |
| 1:00 | 170 | 30 SEC | | 2 6Pm |
| 1.15 | 170 | 30 SEC | | Z 60m |
| 1.30 | 170 | 30 SEC | | 2 6 Pm |
| 1:45 | 170 | 30 SEC | | 26Pm |
| 7:00 | 170 | 30 SEC. | | 2 6 PM |
| 2:15 | 170 | 30 SEC | | 2 GPM |
| 2:30 | 170 | 30 SEC | | 2 GPm |
| HD-224 2:45 | 170 | 30 SEC | | 26PM |
| 3:00 | 170 | 30 SEC 30 SEC | | 2 GPM 2 GPM |
| 315 | 170 | 30 SEC | | 2 GPM |
| 3:30 | 170 | 30 SEC | | 7 GPM |



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: FOOLES WELL PLIMPS WITH Trelephone #: 410.795-5670 Address: 540 ONGCO + Roll |
|---|
| GUKESIII MO 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): License# WOOZZ (0 |
| *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. |
| Tall Qualibras |
| Name of Property Owner 10110/ Telephone #: |
| Subdivision: KINGO EV WOODS Lot# S Well Tag # HO - 17 - 0377 (3) |
| Site Address: 10500 (100) na 17 no |
| - CHICATA MO21042 |
| ., |
| Submersible Pump Data Pitless Adapter Well Cap and Electric Conduit |
| Make: Con Oh Two piece watertight cap: |
| Model#: 1451042 Model#: 17 Screened, vented well cap: 1 |
| Pump Capacity 7 GPM Depth: 36" min) Cap secured to casing: |
| Well Yield: CPM NSF/WSC approved: Conduit min 18" B.G.: |
| Depfit of well encountered at time of pump installation: (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 / Offier acceptable method used |
| Safety rope, if used, attached to brass rope adapter or other acceptable method inside of well casing MA |
| Prining to house Type: \(\frac{1}{1} \) \(\frac{1} \) \(\frac{1}{1} \) \(\frac{1} \) \(|
| |
| 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. |
| / $/$ $/$ $/$ $/$ $/$ $/$ $/$ |
| () () () () () () () () () () |
| Signature of company representative responsible for installation date |
| Signature of company representative responsibility for instantation |
| For Health Department Use Only - Not to be completed by Installer |
| Date Insp. Requested: 12 15 21 Date Insp. Approved: 12 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 36" |
| 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 20. |
| Adequate grout observed below pitless adapter |
| |
| Revised from 10/24/2018) |
| |
| 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 |



Bureau of Environmental Health 8930 Stanford Blvd | Columbia, MD 21045

410.313.2640 - Voice/Relay 410.313.2648 - Fax

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

TEMPORARY INTERIM CERTIFICATE OF POTABILITY

TEMPORARY DEVIATION FOR RADIUM

Expiration Date - July 25th, 2022

June 9, 2022

Homeowner 10500 Pudding Lane Ellicott City, MD 21042

RE: Kingsley Woods, Lot 15

10500 Pudding Lane

Building Permit: B21001239 Well Permit: HO-17-0372

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 6/9/2022. Final approval of the well line connection to the dwelling was granted on 12/15/2021. The well construction was completed on 1/4/2019. Water samples were collected on 4/25/2022.

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-17-0372. Although the submitted sample results are in compliance with COMAR standards, the Health Department does not guarantee water supplies.

This is a temporary deviation to allow additional time for testing your well water system for Radium. Submission of water sample results must be obtained by the Health Department within the allowed 45 day period for the Interim Certificate of Potability.

This Department will grant a **temporary deviation** to the Interim Certificate of Potability on condition that water sample results for short term gross alpha/beta are submitted to this Department **within 45 days**. Those results must indicate that the radionuclide levels meet a Gross Alpha level of less than **15 pCi/L**, and a Gross Beta level of less than **50 pCi/L**.

This Temporary Interim Certificate of Potability will expire 45 days from the date of issuance. Failure to submit the required radium sample results and obtain an Interim Certificate of Potability before the expiration date 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.

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



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

Please contact (410) 313-1773 to schedule a water sample appointment or contact a Maryland certified water quality 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

In closing, please refer to our "<u>Homeowner Fact Sheet</u>" which illustrates a better understanding for your Onsite Septic 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, L.E.H.S., REHS/R.S., Supervisor Groundwater Management Section Well & Septic Program

Howard County Dept. of Inspections, Licenses, and Permits

Community Hygiene Program

File

cc:

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



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

MEMORANDUM

TO:

Alexander's Well Drilling

Attn: Randall Alexander MSD 576

P.O. Box 443 126 W. Main St Fairfield, PA 17320

FROM:

Joseph Cabahug

Licensed Environmental Health Specialist 001997 219 2018

Howard County Health Department

Well & Septic Program

RF:

Kings Forest Subdivision - Test well Permits

Special Conditions for Conversion to Potable Well

DATE:

December 19th, 2018

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

A. Lot 17 Will require 50' of Steel Casing or 10' into competent bedrock, whichever is deeper.

> 10. A waiver for the location of the septic systems and wells, as shown on [Percolation Certification Signed 06/18/2014 and Revision Submitted 12/18/2018], has been approved by MDE. As a condition of the approved [sic] of this waiver the initial and all replacement wells on lots 17, 26, 27, and 33 – 35 Will require Steel Casings to be installed to 50' or 10' into competent bedrock, whichever is deeper.

B. All lots in the Kings Forest Subdivision are within the Baltimore Gneiss Formation and will require Water Quality Tests for Radium to be collected at the time of the Yield Test.

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



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

Facebook: www.facebook.com/hocohealth
Twitter: HowardCoHealthDep

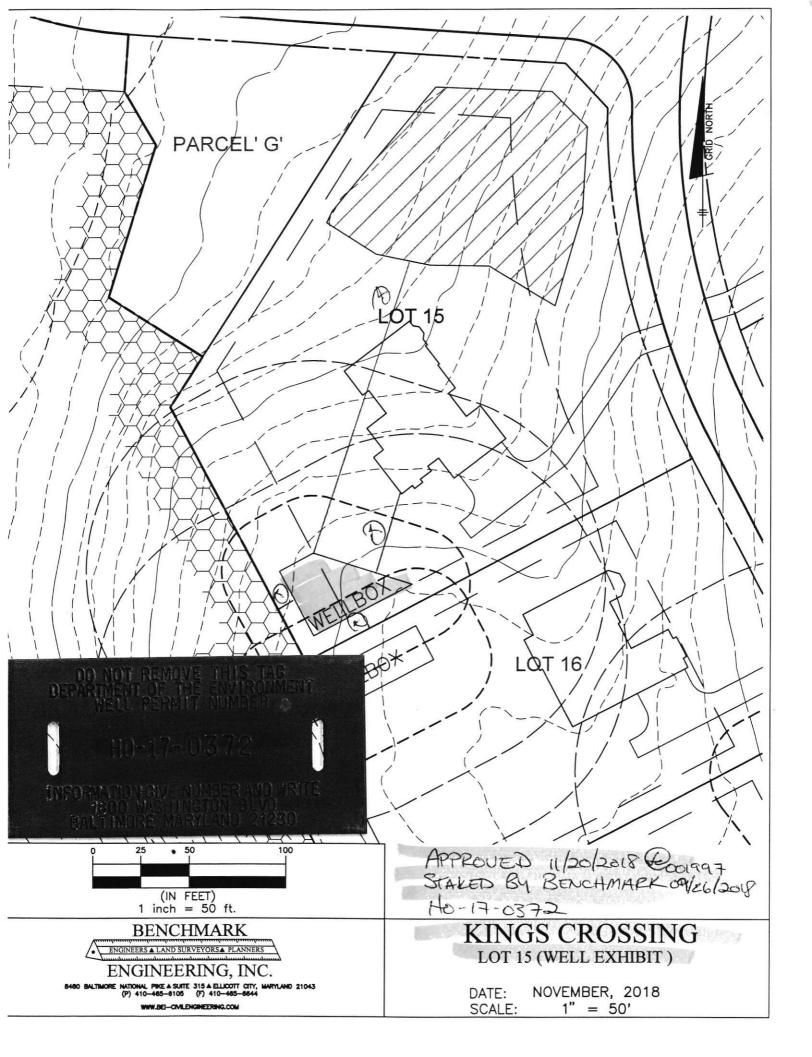
Maura J. Rossman, M.D., Health Officer

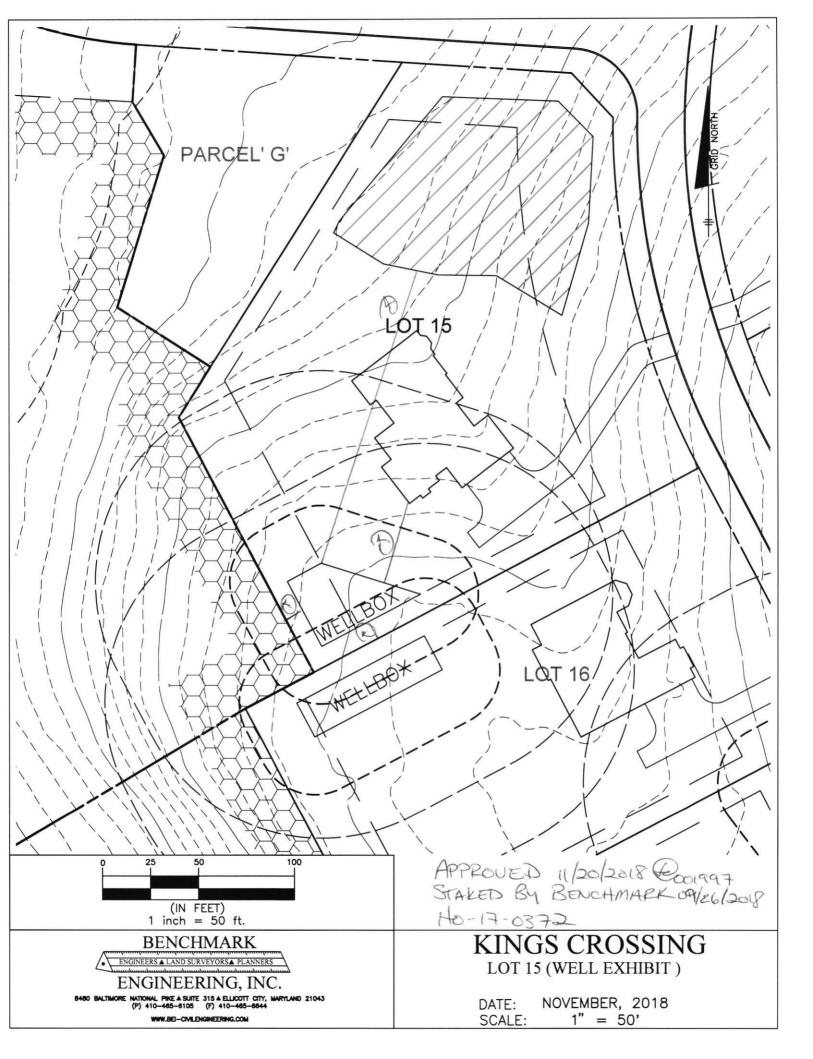
TO ALL INTERESTED PARTIES

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

| When submittin | ig a wen permit application for a p | hoposed wen | i, picase maicate one | of the following. |
|-----------------|--|---------------------|------------------------|-------------------|
| Well Site Locat | ution: | | _ | |
| Subdivision/Pro | Fores + | / <u>5</u> Lot # | Poddine Road Name | Laue |
| U | The well site, as shown on the | attached we | ell site plan, has bee | en staked by |
| | Beuchmark E (professional land surveyor or c | ug.hee | loying professional la | and surveyors) |
| | on 9/26/18 (date) | | | |
| 10 | | | | |
| | The well driller, builder or pro schedule a time to meet in the | | | |

This sheet, along with two copies of an acceptable well site plan, must be attached to the green well permit application.





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 #:

127748

Account #:

Reference:

Toll Brothers/Kings Forest

2440

Company:

Hydro-Terra Group

Location:

Manor Lane, Lot 15

Requested By:

Jeff Lindaw

Date/ Time Collected: 1/4/2019

Ellicott City, MD 21042 Source: 1340

Well Water

Site:

Pumped from Well

Date/Time Rec'd:

1/5/2019

1000

Treatment:

None

Chlorine ppm:

Free: ND

Total: ND

pH:

7.2

Collected By:

Well #:

HO-17-0372

| PARAMETERS | RESULTS | UNITS | REFERENCE | METHOD | DATE/TIME/ANALYST |
|------------|---------|-------|-----------|--------|------------------------|
| Radium-226 | 0.4 | pCi/L | **** | 903.1 | 1/15/2019 / 1058 / MJN |
| Radium-228 | 2.0 | pCi/L | **** | Ra-05 | 1/15/2019 / 0926 / SN |

NOTES

- 1 ****Radium 226 and Radium 228 combined have a reference of 5 pCi/L
- 2 **Alexander's Well Drilling
- 3 pCi/L = picocuries per liter
- 4 Radium 226 Detection Limit: 0.2 pCi/L; Radium 228 Detection Limit: 0.7 pCi/L
- 5 Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- 6 Sub-contracted to Reference Lab #128
- 7 ND = None Detected
- 8 Sample collected by client, analyzed as received
- pH and Chlorine level tested in lab (pH tested after recommended holding time)

Reason for Test:

HCHD

Date Reported:

1/16/2019

Reviewed By:

MD State Certification # 133

FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

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

(410) 876-4554

REPORT OF ANALYSIS

Laboratory ID #:

152748

Account #:

Reference:

Kingsley Woods Lot 15

Client:

Fogle's Well Pump & Treatment

Location:

10500 Pudding Lane

Requested By:

Dave Fogle

Date/ Time Collected: 6/21/2022

Ellicott City, MD 21042

Source:

Well Water

Date/Time Rec'd:

0945 1426

Site:

Kitchen Sink

Chlorine ppm:

6/21/2022 Free: ND

Total: ND

Treatment: pH:

None 7.1

1933

Collected By:

J. Evans

0309JE

Well #:

HO-17-0372

| PARAMETERS | RESULTS | UNITS | REFERENCE | METHOD | DATE/TIME/ANALYST |
|------------|---------|-------|-----------|--------|-----------------------|
| Radium-226 | 1.6 | pCi/L | **** | 903.0 | 7/1/2022 / 0750 / MJN |
| Radium-228 | 3.2 | pCi/L | *** | Ra-05 | 6/30/2022 / 1044 / SN |

NOTES:

- ****Radium 226 and Radium 228 combined have a reference of 5 pCi/L 1
- 2 pCi/L = picocuries per liter
- Radium 226 Detection Limit: 0.1 pCi/L; Radium 226 Error: +/- 0.4 pCi/L 3
- Radium 228 Detection Limit: 0.8 pCi/L; Radium 228 Error: +/- 0.8 pCi/L 4
- Results less than or within the reference range are considered satisfactory and within potable water limits at the time of 5 sampling.
- 6 Sub-contracted to Reference Lab #278
- 7 ND = None Detected
- 8 pH and Chlorine level tested in lab (pH tested after recommended holding time)
- Sample collected by client, analyzed as received

Reason for Test:

Use & Occupancy

Building Permit #:

B21001239

Date Reported:

7/1/2022

FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

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

REPORT OF ANALYSIS

Laboratory ID #: 151620 Account #: 1933

Reference: Kingsley Woods Lot 15 Client: Fogle's Well Pump & Treatment

Location: 10500 Pudding Lane Requested By: Dave Fogle

Ellicott City, MD 21042 Source: Well Water Date/ Time Collected: 4/25/2022 1030 Site: Kitchen Sink

Date/Time Rec'd: 4/25/2022 1303 Treatment: None Chlorine ppm: Free: ND Total: ND pH: 7.0

Collected By: T. Cassell 0767TC Well #: HO-17-0372

| PARAMETERS | RESULTS | UNITS RE | FERENCE | E METHOD | DATE/TIME/ANALYST |
|--------------------------------|---------|-------------|---------|--------------------|------------------------|
| Bacteria, Coliform, Total, MPN | <1.0 | MPN/ 100 ml | <1.0 | SM20 9223B | 4/26/2022 / 0930 / CRS |
| Bacteria, E. coli, MPN | <1.0 | MPN/ 100 ml | <1.0 | SM20 9223B | 4/26/2022 / 0930 / CRS |
| Turbidity | < 0.30 | NTU | <10 | SM2130B | 4/26/2022 / 1020 / CRS |
| Sand | ND | mg/L | 5 | Visual/Gravimetric | 4/25/2022 / 1500 / TSD |
| Nitrate. | < 0.40 | mg/L | 10 | EPA 300.0 | 4/25/2022 / 1539 / 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 pH and Chlorine level tested in lab (pH tested after recommended holding time)
- 8 Visual well check: Sealed, vented cap

Reason for Test: Use & Occupancy Building Permit#: B21001239

Date Reported: 4/26/2022

| HOWARD COUNTY HEALTH DEPARTMENT | 64741 |
|---------------------------------|----------|
| Received 10 (a) (b) (1/0 0/1/9) | (1)5 |
| Received PHONE # | (12-5165 |
| CASH CHECK CONVERSION A TEST | Well |
| 5093 The runbred July | Dollars |
| \$ 9(a) (b) Received By | |