

C1 7244

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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.

OWNER: KEELEY WOODSTOCK CO. STREET OR RFD: WOODSTOCK rd. TOWN: WOODSTOCK SUBDIVISION: Myrtus PRO. SECTION: LOT: 4

WELL LOG

Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

Table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), check if water bearing. Includes handwritten entries: Brown shale (0-36), Gray granite (36-175).

GROUTING RECORD

WELL HAS BEEN GROUTED (Y/N) TYPE OF GROUTING MATERIAL (Cement CM, Bentonite Clay BC) NO. OF BAGS 12 NO. OF POUNDS 1128 GALLONS OF WATER 72 DEPTH OF GROUT SEAL (to nearest foot) from 0 to 38 ft.

CASING RECORD

MAIN CASING TYPE: PL Nominal diameter top (main) casing (nearest inch): 06 Total depth of main casing (nearest foot): 42

OTHER CASING (if used)

Table for OTHER CASING with columns: diameter inch, depth (feet) from, to.

SCREEN RECORD

screen type or open hole: HO (Open Hole) insert appropriate code below

C2

DEPTH (nearest ft.)

Table for C2 with columns: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76. Includes handwritten entries: Ho 42, 175.

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 TELESCOPE CASING 72 LOG INDICATOR 74 75 76 OTHER DATA

C3

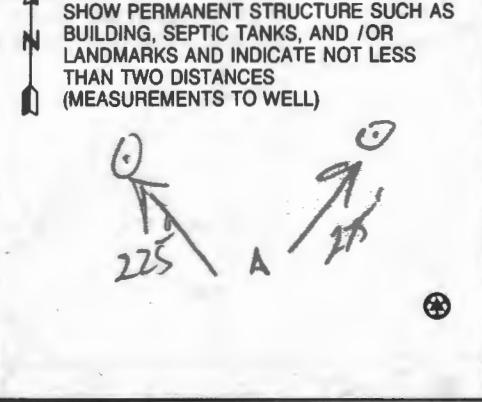
PUMPING TEST

HOURS PUMPED (nearest hour) 03 PUMPING RATE (gal. per min.) 12 METHOD USED TO MEASURE PUMPING RATE 1966 WATER LEVEL (distance from land surface) BEFORE PUMPING 50 ft. WHEN PUMPING 70 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

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 01 (nearest foot)

LOCATION OF WELL ON LOT



B 1 4337

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL 526657 please type

STATE PERMIT NUMBER Ho-95-1180 fill in this form completely

OWNER INFORMATION Keelty Company P.O. Box 528 Timonium Md. 21094

LOCATION OF WELL Howard Myrtle Property Woodstock

DRILLER INFORMATION Allen Compton MS D 009 Eagles Well Drilling 580 Obrecht Rd

WOODSTOCK RD NEAR WHAT ROAD ON WHICH SIDE OF ROAD DISTANCE FROM ROAD TAX MAP: 10 BLK: 24 PARCELS: 225

WELL INFORMATION APPROX. PUMPING RATE 5 AVERAGE DAILY QUANTITY NEEDED 500

USE FOR WATER DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL Howard A 518006-14

APPROXIMATE DEPTH OF WELL 300 FEET APPROXIMATE DIAMETER OF WELL 6 INCH

SOURCES OF DRILLING WATER 8/28/04 water sample collected @ yield (v) 836 5481

METHOD OF DRILLING AIR-ROTARY

REPLACEMENT OR DEEPEMED WELLS THIS WELL WILL NOT REPLACE AN EXISTING WELL

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION

Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROP. PERMIT NUMBER HO 2406 G 0187518 PERMIT No. HO-95-1180

SPECIAL CONDITIONS Need radium sample @ yield test

Yield Test Data Sheet

County File # _____
District 2

MD Well Permit #. HO-95-1180
 Date of Test: 8-28-07
 Subdivision Name: myrtue pro.
 Section _____ Lot # 4
 Street Address: _____

Measuring Point (MP) Description: TOP OF CASING
 (for ex. "Top of casing")
 Distance from MP to ground surface 1 ft.
 Well Depth 175' ft.
 Well Driller: Fogle's Well Drilling

Must be submitted with the State of Maryland Well Completion Report

Submit to:

Pump Start Time <u>8:00</u>	Static Water level: <u>50</u> ft.	Pumping Rate <u>3 sec</u> () Time to fill <u>1</u> gal. bucket () Flow meter reading (if used)	Calculated Flow (gallons per minute) <u>20</u>
TIME	WATER LEVEL BELOW M.P.		

Water level and pumping rate must be recorded every 15 minutes

#	TIME	WATER LEVEL BELOW M.P.	PUMPING RATE	CALCULATED FLOW (GPM)
1	8:00	50 ft.	3	20 GPM
2	8:15	70 ft.	5	12 GPM
3	8:30	70 ft.	5	12 GPM
4	8:45	70 ft.	5	12 GPM
5	9:00	70 ft.	5	12 GPM
6	9:15	70 ft.	5	12 GPM
7	9:30	70 ft.	5	12 GPM
8	9:45	70 ft.	5	12 GPM
9	10:00	70 ft.	5	12 GPM
10	10:15	70 ft.	5	12 GPM
11	10:30	70 ft.	5	12 GPM
12	10:45	70 ft.	5	12 GPM
13	11:00	70 ft.	5	12 GPM
14	11:15	70 ft.	5	12 GPM
15		ft.		GPM
16		ft.		GPM
17		ft.		GPM
18		ft.		GPM
19		ft.		GPM
20		ft.		GPM
21		ft.		GPM
22		ft.		GPM
23		ft.		GPM
24		ft.		GPM
25		ft.		GPM
26		ft.		GPM
27		ft.		GPM
28		ft.		GPM
29		ft.		GPM
30		ft.		GPM

NOTES:

**HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
WELL & SEPTIC PROGRAM
TEL: (410)313-1771 FAX: (410)313-2648**

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: Robert L. Feezer Co., Inc. Telephone #: 410-781-4655
Address: 6321 Barnett Avenue
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): Russell George License# PI0148

***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: Keystone Homes Telephone #: 717-464-9060
Subdivision: _____ Lot #: _____ Well Tag #: HO - 95 - 1180
Site Address: 1801 davis branch road
woodstock, md 21163

Submersible Pump Data

Make: Goulds
Model #: B5P4MS10221
Pump Capacity ⁵ _____ GPM
Well Yield: ¹² _____ GPM

Pitless Adapter

Make: Boshart
Model#: P-100-SS
Depth: 42" (36" min)
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

Depth of well encountered at time of pump installation: 500 (feet)
If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4
Torque arrestors, Cable guards, or other acceptable method used- Must circle one

Safety rope, if used, attached to brass rope adapter or other acceptable method inside of well casing ^{N/A}

Piping to house

Type: Poly
PSI: 200 (160 psi min)
Depth of supply line: 42" (36" min)

House Connection

PVC sleeve to undisturbed soil at wall penetration: Yes
Length of sleeve(5' minimum from foundation): 10'
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.

Robert L. Feezer Digitally signed by Robert L. Feezer
DN: cn=Robert L. Feezer, o=Howard County Health Department, email=rlf@hcd.net November 10, 2020
Signature of company representative responsible for installation _____ date _____
Russell George

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

Date Insp. Requested: 11/20/2020 Date Insp. Approved: 11/23/20 Inspector: JK
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 ✓

INTERIM CERTIFICATE OF POTABILITY

Expiration Date – September 3, 2021

March 3, 2021

Homeowner
1801 Davis Branch Road
Woodstock, MD 21163

RE: Myrtue Property, Lot 4
1801 Davis Branch Rd
Building Permit: B20001536
Well Permit: HO-95-1180

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 **12/28/2020**. Final approval of the well line connection to the dwelling was granted on **11/23/2020**. The well construction was completed on **8/28/2007**. Water samples were collected on **12/21/2020, 2/11/2021, 2/17/2021, 2/26/2021**.

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.

Gross Alpha and Beta samples were also collected on **8/28/2007**. Results showed a Gross Alpha level of **8.0 ± 1.9 pCi/L** and **Gross Beta** level of **4.6 ± 1.3 pCi/L**. The Gross Alpha was below the maximum contaminant level (MCL) of 15 pCi/L and the Gross Beta was below the target level of 50pCi/L (roughly equivalent to the annual dose rate of 4 millirems per year). In addition, Radium samples were also collected on **12/21/2020**. Results showed a combined radium 226/228 level of **<1.2 pCi/L**. At the time of testing and with respect to these parameters, the well water is safe for all uses.

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-95-1180. 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.**



Penny E. Borenstein, M.D., M.P.H., Health Officer

ATTENTION WELL DRILLERS!!!

When submitting a well application for a new or replacement well, please indicate one of the following:

- The well site has been staked by DaFT-McCune Walker on _____ and is ready for site inspection.
- _____ will call the Health Department for a time to meet in the field to verify a well location.
- Site plan for new well is attached to well permit application.

Please attach this sheet when submitting your green application. This should help improve communication allowing a more timely service for our citizens.

KN

*Engineer stated well box is
Staked on corners*

Martine Prof. Lots 1-31

FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

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

REPORT OF ANALYSIS

Laboratory ID #: 141930 Account #: 1920
Reference: Marriotts Ridge Lot# MRS004 Company: Robert L Feezer Co- New Homes
Location: 1801 Davis Branch Road Requested By: Rick Cross
Granite, MD 21163 Source: Well Water
Date/ Time Collected: 12/21/2020 1400 Site: Pressure Tank
Date/Time Rec'd: 12/21/2020 1538 Treatment: **
Chlorine ppm: Free: ND Total: ND pH: 6.5
Collected By: J. Yeager 0819JY Well #: HO-95-1180

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Gross Alpha, Short Term	1.7	pCi/L	15	900.0	12/25/2020 / 0612 / MJN
Gross Beta, Short Term	4.4	pCi/L	50	900.0	12/25/2020 / 0612 / MJN
Gross Alpha, Long Term	1.6	pCi/L	15	900.0	12/31/2020 / 0635 / MJN
Gross Beta, Long Term	3.2	pCi/L	50	900.0	12/31/2020 / 0635 / MJN
Radium-226	0.1	pCi/L	****	903.1	1/4/2021 / 1045 / MJN
Radium-228	1.1	pCi/L	****	Ra-05	1/4/2021 / 1043 / MJN

NOTES

- ****Radium 226 and Radium 228 combined have a reference of 5 pCi/L
- **Sample collected prior to Softener/Neutralizer
- Long Term Gross Alpha Detection Limit: 0.7 pCi/L; Gross Alpha Error: +/- 0.6 pCi/L
- Long Term Gross Beta Detection Limit: 0.9 pCi/L; Gross Beta Error: +/- 0.6 pCi/L
- pCi/L = picocuries per liter; Sub-contracted to Reference Lab #278
- Radium 226 Detection Limit: 0.1 pCi/L; Radium 226 Error: +/- 0.1 pCi/L
- Radium 228 Detection Limit: 0.8 pCi/L; Radium 228 Error: +/- 0.5 pCi/L
- Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- Short Term Gross Alpha Detection Limit: 1.0 pCi/L; Gross Alpha Error: +/- 0.9 pCi/L
- Short Term Gross Beta Detection Limit: 1.4 pCi/L; Gross Beta Error: +/- 1.1 pCi/L
- ND:None Detected
- Visual well check: Sealed, vented cap
- pH & Chlorine level tested on site

Reason for Test : Use & Occupancy

Building Permit # : B20001536

Date Reported: 1/4/2021

FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

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

REPORT OF ANALYSIS

Laboratory ID #: 141931 Account #: 1920
Reference: Marriotts Ridge Lot# MRS004 Company: Robert L Feezer Co- New Homes
Location: 1801 Davis Branch Road Requested By: Rick Cross
Granite, MD 21163 Source: Well Water
Date/ Time Collected: 12/21/2020 1415 Site: Kitchen Sink Tap
Date/Time Rec'd: 12/21/2020 1538 Treatment: Softener/Neutralizer
Chlorine ppm: Free: ND Total: ND pH: 7.7
Collected By: J. Yeager 0819JY Well #: HO-95-1180

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Gross Alpha, Short Term	<1.4	pCi/L	15	900.0	12/25/2020 / 0612 / MJN
Gross Beta, Short Term	<1.4	pCi/L	50	900.0	12/25/2020 / 0612 / MJN
Gross Alpha, Long Term	<0.9	pCi/L	15	900.0	12/31/2020 / 0635 / MJN
Gross Beta, Long Term	<1.0	pCi/L	50	900.0	12/31/2020 / 0635 / MJN
Radium-226	0.1	pCi/L	****	903.1	1/4/2021 / 1045 / MJN
Radium-228	<0.8	pCi/L	****	Ra-05	1/4/2021 / 1043 / MJN

NOTES:

- ****Radium 226 and Radium 228 combined have a reference of 5 pCi/L
 - Long Term Gross Alpha Detection Limit: 0.9 pCi/L; Gross Alpha Error: +/- 0.6 pCi/L
 - Long Term Gross Beta Detection Limit: 1.0 pCi/L; Gross Beta Error: +/- 0.6 pCi/L
 - pCi/L = picocuries per liter
 - Radium 226 Detection Limit: 0.1 pCi/L; Radium 226 Error: +/- 0.1 pCi/L
 - Radium 228 Detection Limit: 0.8 pCi/L; Radium 228 Error: +/- 0.5 pCi/L
 - Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
 - Short Term Gross Alpha Detection Limit: 1.4 pCi/L; Gross Alpha Error: +/- 0.8 pCi/L
 - Short Term Gross Beta Detection Limit: 1.4 pCi/L; Gross Beta Error: +/- 0.9 pCi/L
 - Sub-contracted to Reference Lab #278
 - ND:None Detected
 - Visual well check: Sealed, vented cap
 - pH & Chlorine level tested on site
- Reason for Test : Use & Occupancy
Building Permit # : B20001536

Date Reported: 1/4/2021

FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

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

REPORT OF ANALYSIS

Laboratory ID #: 142857 Account #: 1920
Reference: Marriotts Ridge Lot# MRS004 Company: Robert L Feezer Co- New Homes
Location: 1801 Davis Branch Road Requested By: Rick Cross
Granite, MD 21163 Source: Well Water
Date/ Time Collected: 2/17/2021 1400 Site: Pressure Tank
Date/Time Rec'd: 2/17/2021 1530 Treatment: **
Chlorine ppm: Free: ND Total: ND pH: 6.2
Collected By: J. Yeager 0819JY Well #: HO-95-1180

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	1.0	MPN/ 100 ml	<1.0	SM20 9223B	2/18/2021 / 1000 / LLO
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	2/18/2021 / 1000 / LLO

NOTES:

- 1 MPN/ 100 ml = Most Probable Number [of viable bacteria] per 100 ml of sample.
- 2 pH & chlorine tested on site
- 3 Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- 4 ND:None Detected
- 5 Visual well check: Sealed, vented cap
- 6 **Sample collected prior to Softener/Neutralizer

Reason for Test : Use & Occupancy**Building Permit # :** B20001536Date Reported: 2/18/2021

FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

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

REPORT OF ANALYSIS

Laboratory ID #:	142762	Account #:	1920
Reference:	Marriotts Ridge Lot# MRS004	Company:	Robert L Feezer Co- New Homes
Location:	1801 Davis Branch Road Granite, MD 21163	Requested By:	Rick Cross
Date/ Time Collected:	2/11/2021 1235	Source:	Well Water
Date/Time Rec'd:	2/11/2021 1514	Site:	Pressure Tank
Chlorine ppm:	Free: ND Total: ND	Treatment:	**
Collected By:	R. Ott 0266RO	pH:	6.5
		Well #:	HO-95-1180

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	62.4	MPN/ 100 ml	<1.0	SM20 9223B	2/12/2021 / 1000 / LLO
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	2/12/2021 / 1000 / LLO

NOTES:

- 1 MPN/ 100 ml = Most Probable Number [of viable bacteria] per 100 ml of sample.
- 2 pH & chlorine tested on site
- 3 Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- 4 ND:None Detected
- 5 Visual well check: Sealed, vented cap
- 6 **Sample collected prior to Neutralizer/Softener

Reason for Test : Use & Occupancy
Building Permit # : B20001536

Date Reported: 2/12/2021

FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

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

REPORT OF ANALYSIS

Laboratory ID #: 141929 Account #: 1920
Reference: Marriotts Ridge Lot# MRS004 Company: Robert L Feezer Co- New Homes
Location: 1801 Davis Branch Road Requested By: Rick Cross
Granite, MD 21163 Source: Well Water
Date/ Time Collected: 12/21/2020 1400 Site: Pressure Tank
Date/Time Rec'd: 12/21/2020 1538 Treatment: **
Chlorine ppm: Free: ND Total: ND pH: 6.5
Collected By: J. Yeager 0819JY Well #: HO-95-1180

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	19.2	MPN/ 100 ml	<1.0	SM20 9223B	12/22/2020 / 1020 / BCD
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	12/22/2020 / 1020 / BCD
Nitrate	<1.0	mg/L	10	601	12/22/2020 / 1030 / BCD
Turbidity	0.38	NTU	<10	SM20 2130B	12/22/2020 / 1040 / BCD
Sand	ND	mg/L	5	Visual/Gravimetric	12/22/2020 / 1040 / BCD

NOTES

- 1 **Sample collected prior to Softener/Neutralizer
- 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 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
- 8 pH & Chlorine level tested on site

Reason for Test : Use & Occupancy
Building Permit # : B20001536

Date Reported: 12/23/2020

FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

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

REPORT OF ANALYSIS

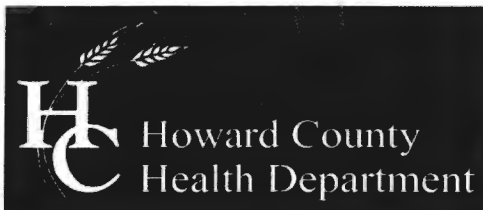
Laboratory ID #: 142981 Account #: 1920
Reference: Marriotts Ridge Lot# MRS004 Company: Robert L Feezer Co- New Homes
Location: 1801 Davis Branch Road Requested By: Rick Cross
Granite, MD 21163 Source: Well Water
Date/ Time Collected: 2/26/2021 1120 Site: Pressure Tank
Date/Time Rec'd: 2/26/2021 1408 Treatment: Softener/Neutralizer**
Chlorine ppm: Free: ND Total: ND pH: 6.3
Collected By: J. Yeager 0819JY Well #: HO-95-1180

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	2/27/2021 / 1000 / LLO
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	2/27/2021 / 1000 / LLO

NOTES

- 1 **Sample collected prior to treatment
- 2 MPN/ 100 ml = Most Probable Number [of viable bacteria] per 100 ml of sample.
- 3 Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- 4 ND:None Detected
- 5 Visual well check: Sealed, vented cap
- 6 pH & Chlorine level tested on site

Reason for Test : Use & Occupancy**Building Permit # :** B20001536Date Reported: 3/1/2021



Bureau of Environmental Health
7178 Columbia Gateway Drive, Columbia, MD 21046-2147
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

Peter L. Beilenson, M.D., M.P.H., Health Officer

October 10, 2007

James Keelty and Company, Inc.
61 East Padonia Road
Timonium, Maryland 21093

RE: Myrtue Property Lot 4
Well Tag: HO-95-1180

To Whom this May Concern:

A sample was collected from a yield test on August 28, 2007 and submitted to GPL Laboratories to assess the possible presence of **Gross Alpha** and **Gross Beta** in the future well water supply. **Gross Alpha** and **Gross Beta** measure the total alpha and beta particle activity in a water supply. In turn, this can provide information regarding naturally occurring radiation (i.e., Radionuclides) that may exist in your area of development within the County.

Results from this screening revealed a **Gross Alpha** of 8.0 ± 1.9 picocuries/liter (pCi/L); while the **Gross Beta** level was 4.6 ± 1.3 pCi/L. Both the **Gross Alpha** and **Gross Beta** were below the **maximum contaminant level (MCL)** of 15 pCi/L and the targeted value of 50 pCi/L (roughly equivalent to the **annual dose rate** of 4 millirems/year).

At the time of testing and with respect to these parameters, the future well water supply appears safe for all uses. No additional testing for these parameters will be required to secure the future Use & Occupancy. However, other standard testing will still be necessary.

A copy of the test results is enclosed for your information. Please call this office at 410-313-1773 if you have any further questions.

Sincerely,

A handwritten signature in black ink that reads 'Bert Nixon'.

Bert Nixon, Director
Bureau of Environmental Health

cc: / Eric Dougherty, MDE Water Mgmt., Groundwater
✓ Well & Septic File



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

Dr. Maura J. Rossman, M.D., 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:

Well Site Location:

Myrtue Prop Incl RSB 4 Davis Branch Rd.
Subdivision/Property Name Lot # Road Name

The well site has been staked by DRILLER
(professional land surveyor or company employing professional land surveyors)
on _____ (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.

Analytical Summary Report

Client Name:	Howard County Health Department	Client Sample ID:	HO-95-1180
Receipt Date/Time:	08/31/2007 09:10	Lab Sample ID:	708237-001-001-1/1
Prepared Date/Time:		Sample Matrix:	WATER
Analysis Date/Time:	09/04/07 16:07	Analytical Method:	ALPHA/BETA BY METHOD 900.0

Isotope	Result	Uncertainty 2σ	MDA	Q
Gross Alpha	7.983 pCi/L	± 1.899 pCi/L	2.394 pCi/L	
Gross Beta	4.623 pCi/L	± 1.298 pCi/L	3.580 pCi/L	

B 1
68922

SEQUENCE NO.
(MDE USE ONLY)

STATE OF MARYLAND
APPLICATION FOR PERMIT TO DRILL WELL
572833 please type

STATE PERMIT NUMBER

HO-20-0069
fill in this form completely

Date Received (APA)
10/21/20

OWNER INFORMATION

8 MM DD YY 13
15 LP MD Sonshine
Last Name Owner First Name
227 Granite Run Dr.
36 Lancaster Pa. 17601
Street or RFD Zip
57 Town 70 State 72 Zip 76

B 3 LOCATION OF WELL

Howard
8 COUNTY 21
Lot 8 1.193A Myrtle Prop. Incl RSB
23 SUBDIVISION 42
SECTION 44 48 LOT 48 50
Woodstock
52 NEAREST TOWN 71

DRILLER INFORMATION

Stephen DeLosh - MWD 587
Driller's Name License No. 76 81
Connelly + Associates, Inc
Firm Name
1513 Tilco Dr. Frederick MD 21704
Address
Stephen DeLosh 10-5-2020
Signature Date

B 4 SOURCES OF DRILLING WATER

1 private
2
3

801 Davis Branch Rd.
11 STREET ADDRESS 30
Woodstock
ON WHICH SIDE OF ROAD
(CIRCLE APPROPRIATE BOX)
34 50 37
DISTANCE FROM ROAD FT
ENTER FT OR MI 38 39
TAX MAP: 0010 BLK: 9999 PARCEL 0225

B 2 WELL INFORMATION

1 APPROX. PUMPING RATE (GAL. PER MIN.) N/A
2 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) N/A
8 12
14 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION
- FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
- INDUSTRIAL, COMMERCIAL, DEWATERING: 1/20-grouting in process -> 1st bore complete - time pipe down to 350' in both bores. (PL)
- PUBLIC WATER SUPPLY WELL
- TEST, OBSERVATION, MONITORING
- OPEN LOOP GEOTHERMAL
- CLOSED LOOP GEOTHERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard
COUNTY NAME
STATE SIGNATURE INSERT S
DATE ISSUED 01/04/2021
43 MM DD YY 48 GO SIGNATURE EXP. DATE 01/04/2022

APPROXIMATE DEPTH OF WELL 400 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST INCH

METHOD OF DRILLING (circle one)

BORED (or Augered) JETTED Jetted & DRIVEN
30 AIR-ROTARY AIR-PERCUSSOR ROTARY (Hydraulic Rotary)
37 CABLE REVERSE-ROTARY DRIVE-POINT
other

REPLACEMENT OR DEEPEINED WELLS (CIRCLE APPROPRIATE BOX)

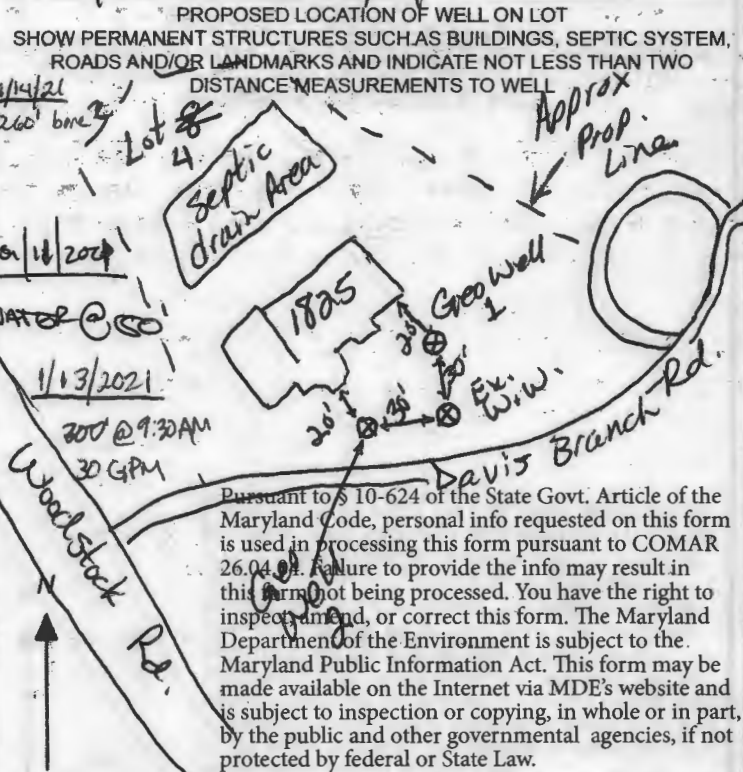
- THIS WELL WILL NOT REPLACE AN EXISTING WELL
- THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
- THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
- THIS WELL WILL DEEPEIN AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE) 41 52

Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROP. PERMIT NUMBER G

PERMIT No. HO-20-0069
70 71 72 73 74 75 76 77 78 79

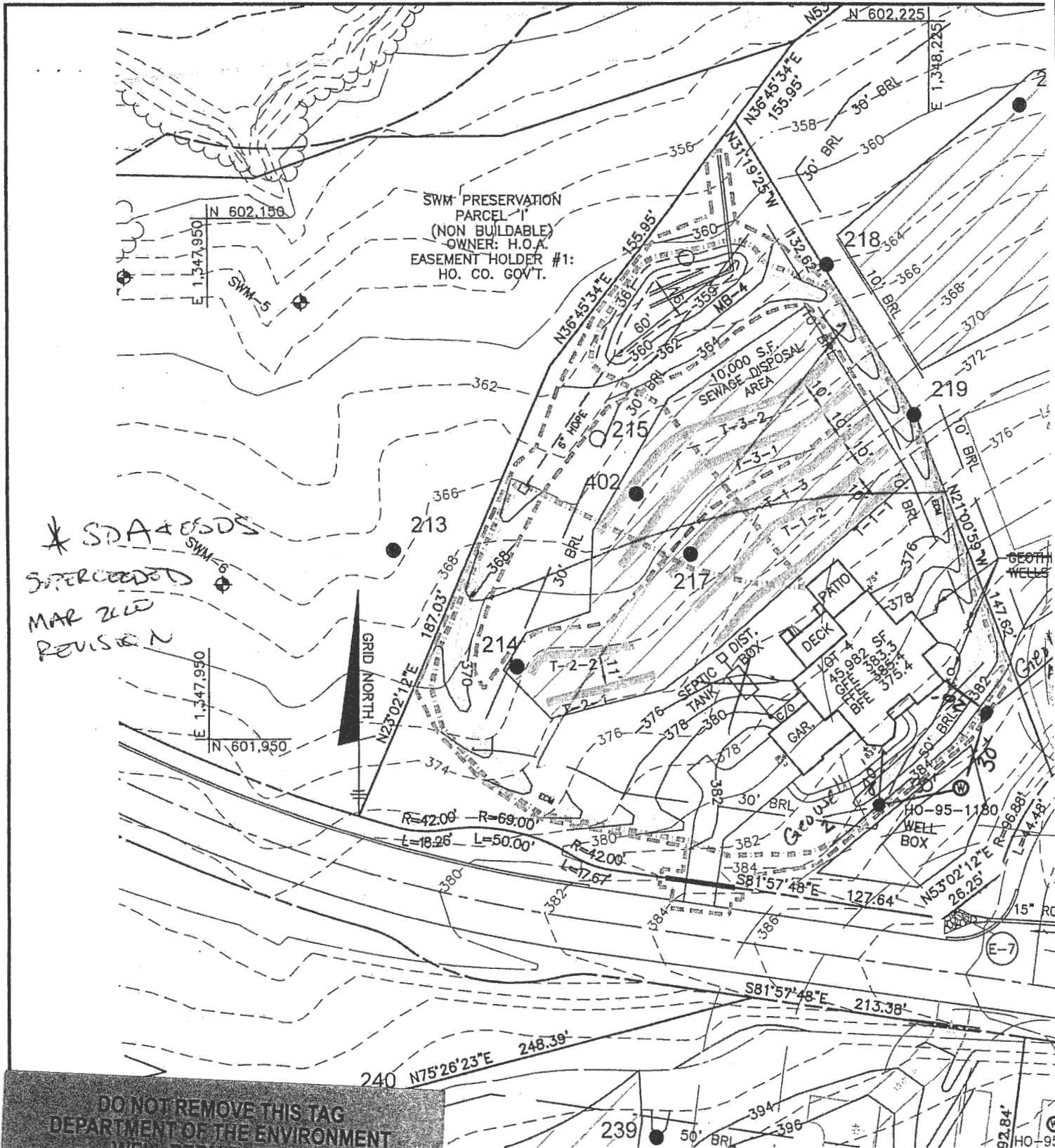


Pursuant to 10-624 of the State Govt. Article of the Maryland Code, personal info requested on this form is used in processing this form pursuant to COMAR 26.04.02. Failure to provide the info may result in this form not being processed. You have the right to inspect and/or correct this form. The Maryland 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.

SPECIAL CONDITIONS

NOTE: APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED-

CALL IN ALL INSPECTIONS.



SWM PRESERVATION
PARCEL "1"
(NON BUILDABLE)
OWNER: H.O.A.
EASEMENT HOLDER #1:
HO. CO. GOV'T.

* SDA & OSDS
SUPERCEDED
MAR 21 2020
REVISION



PLAN VIEW

1" = 50'

APPROVED 01/04/2020
STAKED BY DRILLER
MYRTRU PROP LOT H
1801 DAUIS BRANCH

OWNER/BUILDER
KEYSTONE CUSTOM HOME
227 GRANITE RUN D
SUITE 100
LANCASTER, PA 17601
717-464-9060

DO NOT REMOVE THIS TAG
DEPARTMENT OF THE ENVIRONMENT
WELL PERMIT NUMBER
HO-20-0069
INFORMATION: GIVE NUMBER AND WRITE
1800 WASHINGTON BLVD
BALTIMORE, MARYLAND 21230

Wolf, Kevin

From: Wolf, Kevin
Sent: Thursday, February 11, 2021 11:10 AM
To: Patrick Harrison; Jeff Hain
Cc: eugene cross
Subject: RE: 1801 Davis Branch Road Post treatment passing radionuclide testing
Attachments: Well Line Installation form.pdf; Analysis Report.pdf

Jeff,

I have this lot in for review for the ICOP. Few outstanding issues:

1. The well report collected 12/21/2020 indicates the Bacteria at 19.2. I do not have a follow-up analysis report showing passing bacteria.
2. Our records indicate no well line inspection report was received by our office. Nor can we confirm an inspection of well line and pitless adapter. Please submit the completed report and tell me the date that you believe the inspection was called in for.
3. During the septic inspection, our inspector noted the plastic well casing was cracked. I can have someone from our office stop by there tomorrow to inspect if this casing was fixed/repaired. Can you confirm?

Thanks,

Kevin M. Wolf, LEHS, REHS/RS
Groundwater Mgmt. Sec. Supervisor
Well & Septic Program
Howard County Health Department
8930 Stanford Blvd.
Columbia, MD 21045
410-313-2645 (Office)
410-313-2648 (Fax)
www.hchealth.org
kwolf@howardcountymd.gov



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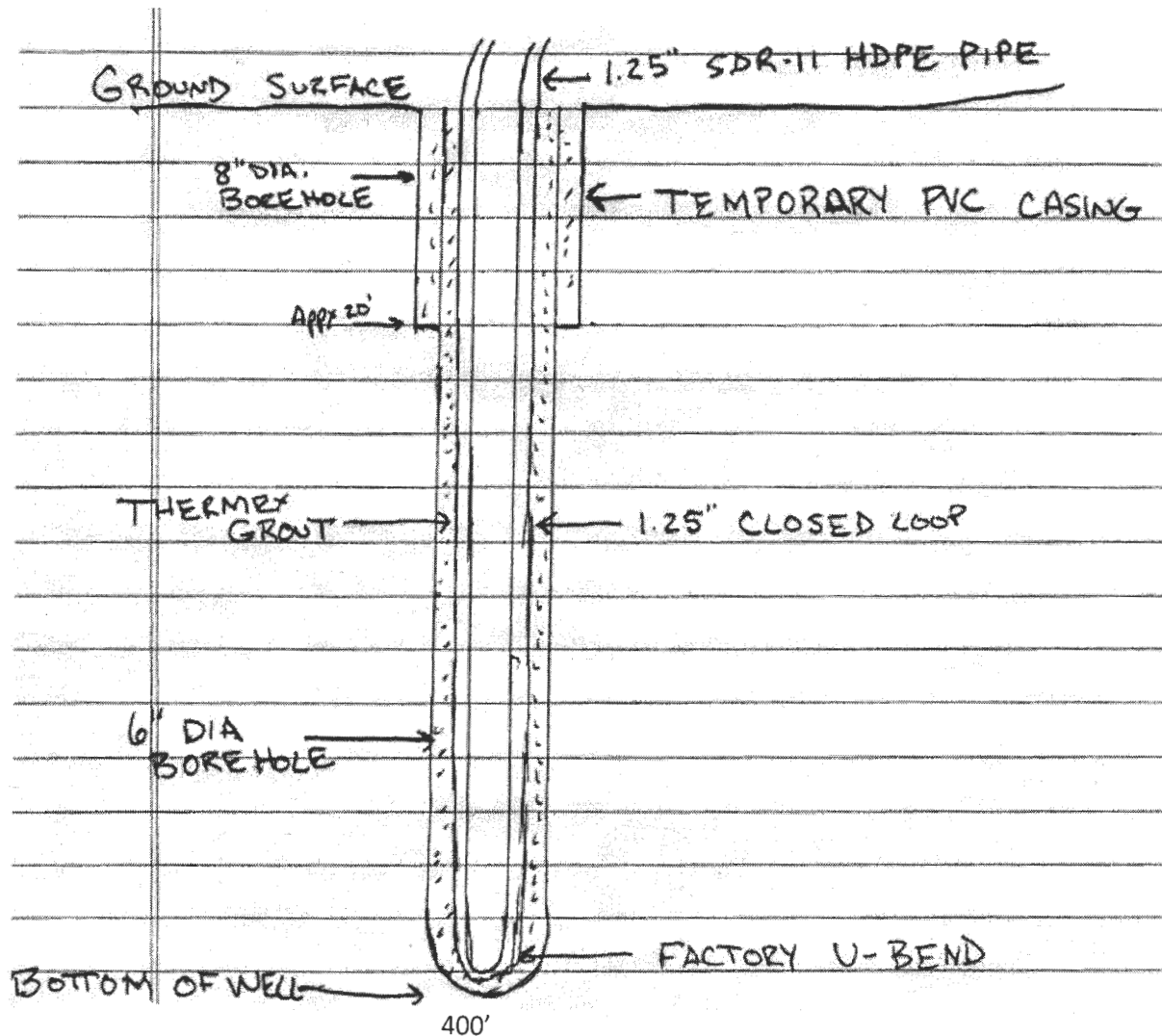


instagram.com/hocohealth

CONFIDENTIALITY NOTICE

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Myrtue Residence: 1825 Davis Branch Rd. Woodstock Geothermal Closed Loop



Grout information for this property is as follows:

Thermex grout mixture of 50 lb. grout to 19 gallons water, placed in the well using the tremie method, from bottom to top.

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From: Patrick Harrison <pharrison@keystonecustomhome.com>
Sent: Thursday, February 4, 2021 2:24 PM
To: Wolf, Kevin <KWolf@howardcountymd.gov>
Cc: eugene cross <eugencross64@gmail.com>; Marshall, Rodney <romarshall@howardcountymd.gov>
Subject: Fwd: 1801 Davis Branch Road Post treatment passing radionuclide testing

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

Kevin,

I believe we sent you this analysis report for our water testing at 1801 Davis Branch Road back in January 5th. The building inspectors are saying they still don't have the icop paperwork back from you at the health department yet. Could you please send the icop paperwork over to me or Rick Cross or Rod Marshall from Howard county so we can get the final inspection passed and the house settled? Let me know if there are any issues with our report.

Thanks again
Pat Harrison
Keystone Custom Homes

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From: eugene cross <eugencross64@gmail.com>
Sent: Tuesday, January 12, 2021 1:01:26 PM
To: Patrick Harrison <pharrison@keystonecustomhome.com>
Subject: Fwd: 1801 Davis Branch Road Post treatment passing radionuclide testing

Sent from the Iphone of Rick Cross

Begin forwarded message:

From: Cass Holland <ccholland@fval.com>
Date: January 5, 2021 at 2:16:45 PM EST
To: "eugencross64@gmail.com" <eugencross64@gmail.com>, "ljones@rlfeezer.COM" <ljones@rlfeezer.COM>
Cc: "Kwolf@howardcountymd.gov" <Kwolf@howardcountymd.gov>, "smmartin@howardcountymd.gov" <smmartin@howardcountymd.gov>
Subject: 1801 Davis Branch Road Post treatment passing radionuclide testing

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