

C1 7223

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. FROM "PERMIT TO DRILL WELL"

OWNER, STREET OR RFD, TOWN, SUBDIVISION, SECTION, LOT

WELL LOG table with columns for DESCRIPTION, FEET (FROM, TO), and check if water bearing. Includes handwritten entries for Brown shale and Gray Limestone.

GROUTING RECORD: WELL HAS BEEN GROUDED, TYPE OF GROUING MATERIAL (CEMENT, BENTONITE CLAY), NO. OF BAGS, NO. OF POUNDS, GALLONS OF WATER, DEPTH OF GROUT SEAL.

CASING RECORD: casing types insert appropriate code below, MAIN CASING TYPE, Nominal diameter, Total depth.

OTHER CASING (if used) diameter, depth (feet)

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

NUMBER OF UNSUCCESSFUL WELLS, WELL HYDROFRACTURED

CIRCLE APPROPRIATE LETTER: A WELL WAS ABANDONED AND SEALED, ELECTRIC LOG OBTAINED, TEST WELL CONVERTED TO PRODUCTION WELL.

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION"

DRILLERS LIC. NO., DRILLERS SIGNATURE, LIC. NO.

DEPTH (nearest ft.), ASCE table with columns for depth intervals and diameter of screen.

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

PUMPING TEST: HOURS PUMPED, PUMPING RATE, METHOD USED TO MEASURE PUMPING RATE, WATER LEVEL, BEFORE PUMPING, WHEN PUMPING, TYPE OF PUMP USED.

PUMP INSTALLED: DRILLER INSTALLED PUMP, TYPE OF PUMP INSTALLED, CAPACITY: GALLONS PER MINUTE, PUMP HORSE POWER, PUMP COLUMN LENGTH, CASING HEIGHT.

LOCATION OF WELL ON LOT: SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL).

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

TELESCOPE CASING, LOG INDICATOR, OTHER DATA

NO Survey stakes

B 1 4340

SEQUENCE NO. (MDE USE ONLY)

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

STATE PERMIT NUMBER HD-95-1183 fill in this form completely

Date Received (APA)

OWNER INFORMATION

Keelty Company P.O. Box 528 Timonium md. 21094

B 3

LOCATION OF WELL

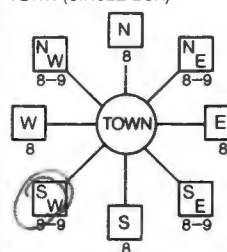
Howard Myrtle Property Woodstock

DRILLER INFORMATION

Allen Compton M S D 009 Fogles well Drilling 580 obrecht Rd

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Woodstock rd.

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

WELL INFORMATION

APPROX. PUMPING RATE 5 APPROX. PUMPING RATE (GAL. PER MIN.) AVERAGE DAILY QUANTITY NEEDED 500

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 GEO-THERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard AS18006-14 COUNTY NAME COUNTY NO. STATE SIGNATURE DATE ISSUED 8/8/07 CO SIGNATURE EXP. DATE 8/8/08 NORTH GRID 541 000 EAST GRID 836 000

APPROXIMATE DEPTH OF WELL 300 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one)

AIR-ROTary JETTED DRIVE POINT

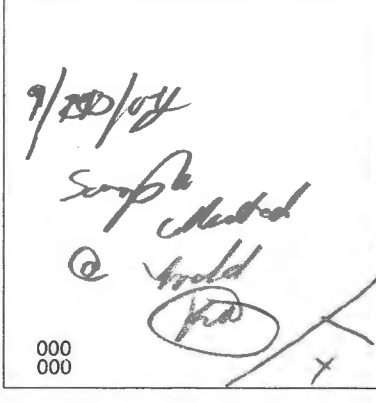
REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

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 DEEPEMED AN EXISTING WELL

Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROP. PERMIT NUMBER HD 2006 GD 18 PERMIT No. HD-95-1183

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER 1. 2. 3. WRITE THE BOX NUMBER FROM THE MAP HERE E 836 N 54X1



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

SPECIAL CONDITIONS Need radium sample @ yield test

Yield Test Data Sheet

County File # _____
District 2

MD Well Permit #. HO-95-1183

Date of Test: 9-20-07

Subdivision Name: Myrtle PRO.

Section _____ Lot # 7

Street Address: Woodstock rd.

Measuring Point (MP) Description: Top of casing
(for ex. "Top of casing")

Distance from MP to ground surface 1 ft.

Well Depth 400' 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>24</u> ft.	Pumping Rate () Time to fill _____ gal. bucket () Flow meter reading (if used)	Calculated Flow (gallons per minute) <u>15</u>
TIME	WATER LEVEL BELOW M.P.		

Water level and pumping rate must be recorded every 15 minutes

#	TIME	WATER LEVEL ft.	PUMPING RATE gal. bucket	CALCULATED FLOW (GPM)
1	8:00	24	4	15 GPM
2	8:15	85	6	10 GPM
3	8:30	85	6	10 GPM
4	8:45	85	6	10 GPM
5	9:00	85	6	10 GPM
6	9:15	85	6	10 GPM
7	9:30	85	6	10 GPM
8	9:45	85	6	10 GPM
9	10:00	85	6	10 GPM
10	10:15	85	6	10 GPM
11	10:30	85	6	10 GPM
12	10:45	85	6	10 GPM
13	11:00	85	6	10 GPM
14	11:15	85	6	10 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. 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 #: 877-513-0385
Subdivision: Marriotts Ridge Lot #: 7 Well Tag #: HO -95 -1183 
Site Address: 1819 Davis Branch Road
Woodstock, Maryland 21163

<u>Submersible Pump Data</u>	<u>Pitless Adapter</u>	<u>Well Cap and Electric Conduit</u>
Make: <u>Goulds</u>	Make: <u>Campbell</u>	Two piece watertight cap: <u>Yes</u>
Model #: <u>5GS10</u>	Model#: <u>PT800</u>	Screened, vented well cap: <u>Yes</u>
Pump Capacity <u>5</u> GPM	Depth: <u>42"</u> (36" min)	Cap secured to casing: <u>Yes</u>
Well Yield: _____ GPM	NSF/WSC approved: <u>Yes</u>	Conduit min 18" B.G.: <u>Yes</u>
Depth of well encountered at time of pump installation: <u>380</u> (feet)		Conduit secured to well cap: <u>Yes</u>
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 <u>inside of well casing</u> <u>N/A</u>		

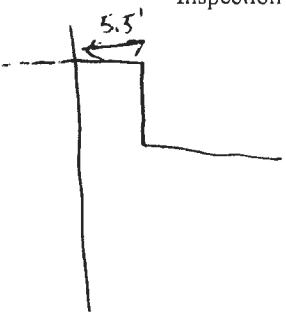
<u>Piping to house</u>	<u>House Connection</u>
Type: <u>Poly</u>	PVC sleeve to undisturbed soil at wall penetration: <u>Yes</u>
PSI: <u>200</u> (160 psi min)	Length of sleeve (5' minimum from foundation): <u>10'</u>
Depth of supply line: <u>42"</u> (36" min)	Sleeve sealed properly: <u>Yes</u>

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 By 100% Quality Control, Feezer Co. 100% Satisfaction Guarantee. 2000-2001-2002-2003-2004-2005-2006-2007-2008-2009-2010-2011-2012-2013-2014-2015-2016-2017-2018-2019-2020-2021-2022-2023-2024-2025
Signature of company representative responsible for installation _____ date _____

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

Date Insp. Requested: 9/16/2020 Date Insp. Approved: 9/16/2020 Inspector: ST
Inspection Data: Pitless adapter watertight & water supply line at least 36" below grade ✓ 55"
Two piece cap installed and attached to casing securely ✓
Elec. conduit extends at least 18" below grade/attached to cap properly ✓ 37"
Safety rope not outside of well cap/casing ✓
Correct well tag attached properly and casing 8" above finished grade ✓ 12"
Water supply line sleeved adequately at house connection ✓ 10"
Adequate grout observed below pitless adapter ✓



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

INTERIM CERTIFICATE OF POTABILITY

Expiration Date – MAY23, 2021

November 23, 2020

Homeowner
1819 Davis Branch Road
Woodstock, MD 21163

RE: Marriotts Ridge, Lot 7
1819 Davis Branch Road
Building Permit: B20001282
Well Permit: HO-95-1183

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 **9/8/2020**. Final approval of the well line connection to the dwelling was granted on **9/16/2020**. The well construction was completed on **9/20/2007**. Water samples were collected on **11/9/2020, 11/18/2020**.

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.

Gross Alpha and Beta samples were also collected on **11/9/2020**. Results showed a Gross Alpha level of **3.3 ± 0.0 pCi/L** and **Gross Beta** level of **5.4 ± 0.0 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). 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-95-1183. Although the submitted sample results are in compliance with COMAR standards, the Health Department does not guarantee water supplies.

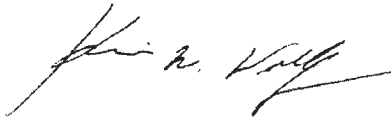
This Interim Certificate of Potability will expire **six months** from the date of issuance. Submission of a second bacteriological test indicating the water is free of coliform and fecal coliform bacteria is required prior to the expiration date, after which time a Final Certificate of Potability will 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.**

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

Please contact (410) 313-1773 to schedule a final water sample appointment or contact a 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 “Homeowner Fact Sheet” for understanding your onsite sewage disposal system. You will also find a link to Maryland Department of the Environments website which elaborates 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

cc: Howard County Dept. of Inspections, Licenses, and Permits
Community Hygiene Program
File

FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

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

REPORT OF ANALYSIS

Laboratory ID #: 141090 Account #: 1920
Reference: Marriotts Ridge Lot# MRS007 Company: Robert L Feezer Co- New Homes
Location: 1819 Davis Branch Road Requested By: Rick Cross
Woodstock, MD 21163 Source: Well Water
Date/ Time Collected: 11/9/2020 1123 Site: Pressure Tank
Date/Time Rec'd: 11/9/2020 1345 Treatment: **
Chlorine ppm: Free: ND Total: ND pH: 6.9
Collected By: J. Yeager 0819JY Well #: HO-95-1183

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	20.7	MPN/ 100 ml	<1.0	SM20 9223B	11/10/2020 / 0815 / CRS
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	11/10/2020 / 0815 / CRS
Nitrate	<1.0	mg/L	10	601	11/10/2020 / 1130 / CRS
Turbidity	0.96	NTU	<10	SM20 2130B	11/10/2020 / 1200 / CRS
Sand	ND	mg/L	5	Visual/Gravimetric	11/10/2020 / 1200 / CRS

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 pH & chlorine tested on site
- 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 **Sample collected prior to Neutralizer/Softener

Reason for Test : Use & Occupancy

Building Permit # : B20001282

Date Reported: 11/11/2020

FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

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

REPORT OF ANALYSIS

Laboratory ID #: 141305 Account #: 1920
Reference: Marriotts Ridge Lot# MRS007 Company: Robert L Feezer Co- New Homes
Location: 1819 Davis Branch Road Requested By: Rick Cross
Woodstock, MD 21163 Source: Well Water
Date/ Time Collected: 11/18/2020 1200 Site: Pressure Tank
Date/Time Rec'd: 11/18/2020 1530 Treatment: **
Chlorine ppm: Free: ND Total: ND pH: 7.0
Collected By: J. Yeager 0819JY Well #: HO-95-1183

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	11/19/2020 / 1115 / CRS
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	11/19/2020 / 1115 / CRS

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 # : B20001282

Date Reported: 11/19/2020

FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

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

REPORT OF ANALYSIS

Laboratory ID #: 141092 Account #: 1920
Reference: Marriotts Ridge Lot# MRS007 Company: Robert L Feezer Co- New Homes
Location: 1819 Davis Branch Road Requested By: Rick Cross
Woodstock, MD 21163 Source: Well Water
Date/ Time Collected: 11/9/2020 1135 Site: Kitchen Sink Tap
Date/Time Rec'd: 11/9/2020 1345 Treatment: Neutralizer/Softener
Chlorine ppm: Free: ND Total: ND pH: 9.8
Collected By: J. Yeager 0819JY Well #: HO-95-1183

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Gross Alpha, Short Term	1.7	pCi/L	15	900.0	11/12/2020 / 0642 / MJN
Gross Beta, Short Term	<1.6	pCi/L	50	900.0	11/12/2020 / 0642 / MJN
Gross Alpha, Long Term	<1.5	pCi/L	15	900.0	11/19/2020 / 0635 / MJN
Gross Beta, Long Term	<1.4	pCi/L	50	900.0	11/19/2020 / 0635 / MJN
Radium-226	0.5	pCi/L	****	903.1	11/18/2020 / 1137 / MJN
Radium-228	<0.9	pCi/L	****	Ra-05	11/17/2020 / 0945 / MJN

NOTES:

- ****Radium 226 and Radium 228 combined have a reference of 5 pCi/L
 - Long Term Gross Alpha Detection Limit: 1.5 pCi/L; Gross Alpha Error: +/- 1.0 pCi/L
 - Long Term Gross Beta Detection Limit: 1.4 pCi/L; Gross Alpha Error: +/- 0.9 pCi/L
 - pCi/L = picocuries per liter
 - Radium 226 Detection Limit: 0.2 pCi/L; Radium 226 Error: +/- 0.3 pCi/L
 - Radium 228 Detection Limit: 0.9 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: +/- 1.2 pCi/L
 - Short Term Gross Beta Detection Limit: 1.6 pCi/L; Gross Alpha Error: +/- 1.0 pCi/L
 - Sub-contracted to Reference Lab #320
 - ND:None Detected
 - Visual well check: Sealed, vented cap
 - pH & Chlorine level tested on site
- Reason for Test : Use & Occupancy
Building Permit # : B20001282

Date Reported: 11/20/2020

FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

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

REPORT OF ANALYSIS

Laboratory ID #: 141091 Account #: 1920
Reference: Marriotts Ridge Lot# MRS007 Company: Robert L Feezer Co- New Homes
Location: 1819 Davis Branch Road Requested By: Rick Cross
Woodstock, MD 21163 Source: Well Water
Date/ Time Collected: 11/9/2020 1123 Site: Pressure Tank
Date/Time Rec'd: 11/9/2020 1345 Treatment: **
Chlorine ppm: Free: ND Total: ND pH: 6.9
Collected By: J. Yeager 0819JY Well #: HO-95-1183

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Gross Alpha, Short Term	3.3	pCi/L	15	900.0	11/12/2020 / 0642 / MJN
Gross Beta, Short Term	5.4	pCi/L	50	900.0	11/12/2020 / 0642 / MJN
Gross Alpha, Long Term	<1.4	pCi/L	15	900.0	11/19/2020 / 0635 / MJN
Gross Beta, Long Term	4.4	pCi/L	50	900.0	11/19/2020 / 0635 / MJN
Radium-226	0.6	pCi/L	****	903.1	11/18/2020 / 1137 / MJN
Radium-228	1.5	pCi/L	****	Ra-05	11/17/2020 / 0945 / MJN

NOTES:

- ****Radium 226 and Radium 228 combined have a reference of 5 pCi/L
- **Sample collected prior to Neutralizer/Softener
- Long Term Gross Alpha Detection Limit: 1.4 pCi/L; Gross Alpha Error: +/- 1.1 pCi/L
- Long Term Gross Beta Detection Limit: 1.4 pCi/L; Gross Beta Error: +/- 1.1 pCi/L
- pCi/L = picocuries per liter
- Radium 226 Detection Limit: 0.2 pCi/L; Radium 226 Error: +/- 0.3 pCi/L
- Radium 228 Detection Limit: 0.8 pCi/L; Radium 228 Error: +/- 0.6 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: 1.1 pCi/L; Gross Alpha Error: +/- 1.3 pCi/L
- Short Term Gross Beta Detection Limit: 1.4 pCi/L; Gross Beta Error: +/- 1.1 pCi/L
- Sub-contracted to Reference Lab #320
- ND:None Detected
- Visual well check: Sealed, vented cap
- pH & Chlorine level tested on site

Reason for Test : Use & Occupancy

Building Permit # : B20001282

Date Reported: 11/20/2020



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

