

C1 7259

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 8 29 07

Depth of Well 22 250 26 (TO NEAREST FOOT)

10/17/07 O.K. (BB)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO 95-1232

OWNER last name first name TOWN SUBDIVISION SECTION LOT

WELL LOG table with columns for DESCRIPTION, FEET (FROM, TO), and check if water bearing. Includes handwritten entries: Brown sand, Gray Granite, 0 45, 45 250.

GROUTING RECORD form including WELL HAS BEEN GROUTED, TYPE OF GROUTING MATERIAL (CEMENT, BENTONITE CLAY), NO. OF BAGS, NO. OF POUNDS, GALLONS OF WATER, DEPTH OF GROUT SEAL.

CASING RECORD form including MAIN CASING TYPE (ST), Nominal diameter top (main) casing (06), Total depth of main casing (50).

OTHER CASING (if used) form with columns for diameter and depth.

SCREEN RECORD form including screen type or open hole (HO), diameter of screen (56, 60), and slot size.

DEPTH (nearest ft.) table with columns for casing height and depth.

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) form with fields for T, W, Q, TELESCOPE CASING, LOG INDICATOR, OTHER DATA.

PUMPING TEST form including HOURS PUMPED (03), PUMPING RATE (6.0), METHOD USED TO MEASURE PUMPING RATE (1466.0), WATER LEVEL (BEFORE PUMPING 10, WHEN PUMPING 101), TYPE OF PUMP USED (S).

PUMP INSTALLED form including DRILLER INSTALLED PUMP (NO), TYPE OF PUMP INSTALLED (S), PLACE (29), CAPACITY: GALLONS PER MINUTE (31), PUMP HORSE POWER (37), PUMP COLUMN LENGTH (43), CASING HEIGHT (+1 above), LAND SURFACE (01 below).

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

Administrative fields including NUMBER OF UNSUCCESSFUL WELLS (0), WELL HYDROFRACTURED (Y), DRILLERS LIC. NO. (M SD 009), DRILLERS SIGNATURE, LIC. NO. (D), and SITE SUPERVISOR.

NO survey stakes

B 1 4350

SEQUENCE NO. (MDE USE ONLY)

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

STATE PERMIT NUMBER HU-95-1232 fill in this form completely

Date Received (APA)

OWNER INFORMATION

8 MM DD YY 13
Keelty Company
P.O. Box 528
Timonium md 21094

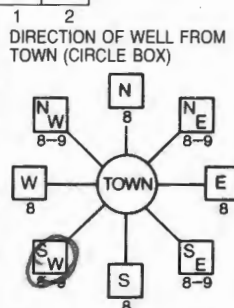
LOCATION OF WELL

B 3 Howard
Myrtle Property
Woodstock
MILES FROM TOWN 2

DRILLER INFORMATION

Allen Compton MS D009
Fogles Well Drilling
580 obrecht Rd
4-14-07

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



woodstock rd
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
DISTANCE FROM ROAD 38 FT
TAX MAP: 10 BLK: 24 PARCEL 225

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

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- D DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION
F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
I INDUSTRIAL, COMMERCIAL, DEWATERING
P PUBLIC WATER SUPPLY WELL
T TEST, OBSERVATION, MONITORING
G GEO-THERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard A 518006-M
COUNTY NAME COUNTY NO.
STATE SIGNATURE INSERT S
DATE ISSUED 8/14/07 CO SIGNATURE EXP. DATE 8/14/08
NORTH GRID 540 000 EAST GRID 838 000

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

METHOD OF DRILLING (circle one)

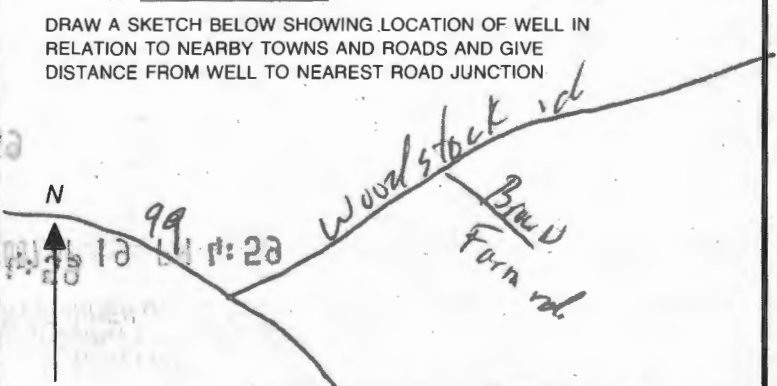
- BORED (or Augered) JETTED Jetted & DRIVEN
AIR-ROtary AIR-PERcussion ROTARY (Hydraulic Rotary)
CABLE REVerse-ROtary DRive-POINT
other

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

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

Not to be filled in by driller (MDE OR COUNTY USE ONLY)
APPROP. PERMIT NUMBER HU 2006 G 018
PERMIT No. HU-95-1232

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
8/29/07 y+g
SOURCES OF DRILLING WATER
1. Radium Sample Collected During Yield Test.
2.
3.
WRITE THE BOX NUMBER FROM THE MAP HERE
E 8300
N 540



SPECIAL CONDITIONS
NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED
Need radium sample @ yield test

# Yield Test Data Sheet

County File # \_\_\_\_\_  
District 2

MD Well Permit #: HO-95-1232

Date of Test: 8-29-07

Subdivision Name: Myrtle PRO.

Section \_\_\_\_\_ Lot # 17

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 250' ft.

Well Driller: Fogle's Well Drilling

Must be submitted with the State of Maryland Well Completion Report

Submit to:

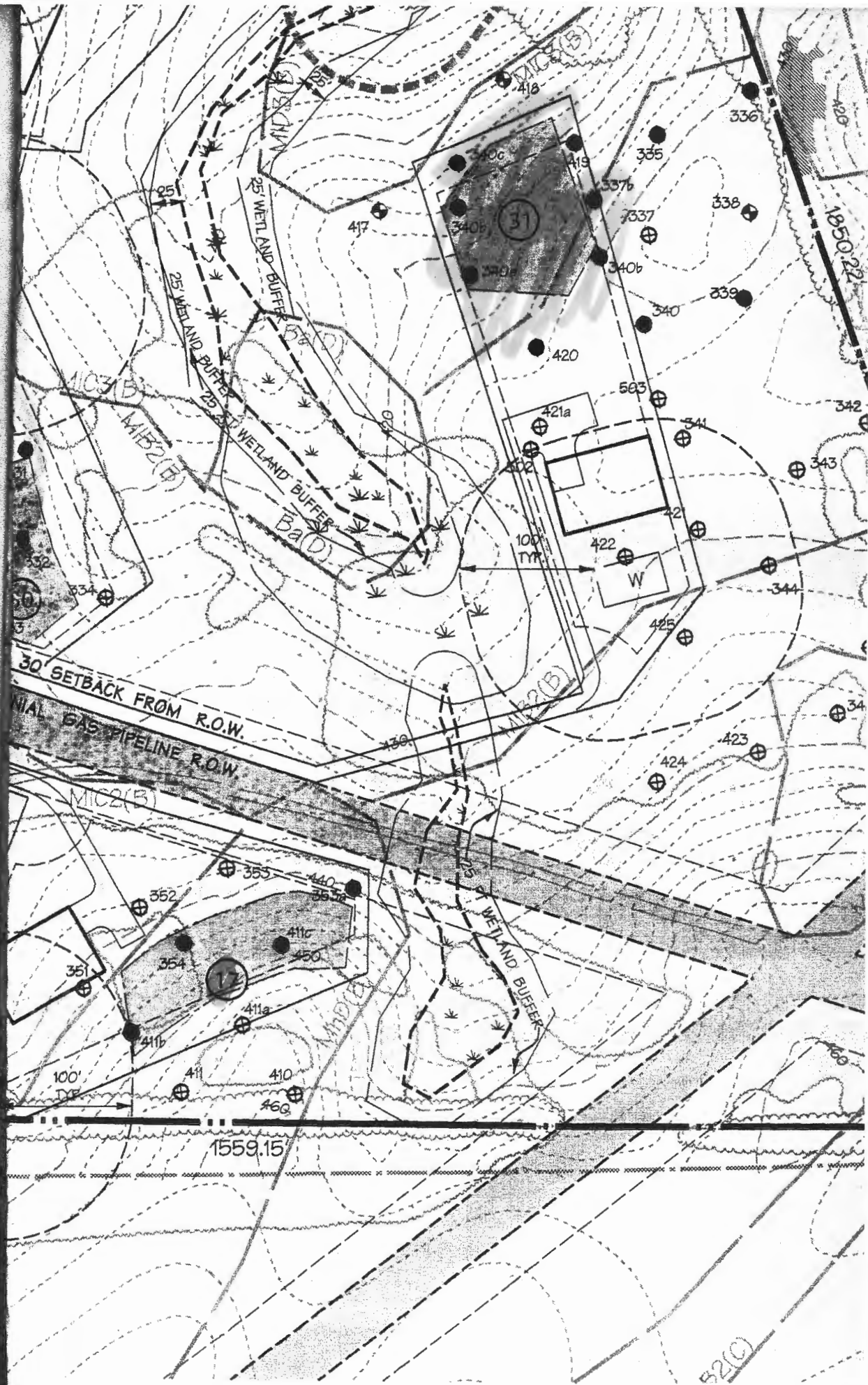
Pump Start Time  <u>8:00</u>	Static Water level: <u>10'</u> ft.	Pumping Rate <u>4 sec.</u> ( ) Time to fill <u>1</u> gal. bucket  ( ) Flow meter reading (if used)	Calculated Flow (gallons per minute)  <u>15</u>
TIME	WATER LEVEL BELOW M.P.		

**Water level and pumping rate must be recorded every 15 minutes**

#	TIME	WATER LEVEL ft.	PUMPING RATE	CALCULATED FLOW (GPM)
1	8:00	10 ft.	4	15 GPM
2	8:15	101 ft.	10	6 GPM
3	8:30	101 ft.	10	6 GPM
4	8:45	101 ft.	10	6 GPM
5	9:00	101 ft.	10	6 GPM
6	9:15	101 ft.	10	6 GPM
7	9:30	101 ft.	10	6 GPM
8	9:45	101 ft.	10	6 GPM
9	10:00	101 ft.	10	6 GPM
10	10:15	101 ft.	10	6 GPM
11	10:30	101 ft.	10	6 GPM
12	10:45	101 ft.	10	6 GPM
13	11:00	101 ft.	10	6 GPM
14	11:15	101 ft.	10	6 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:**





'ldg moved  
location in OSDS  
plan; wall check

**INTERIM CERTIFICATE OF POTABILITY**

Expiration Date – SEPTEMBER 25, 2021

March 25, 2021

Homeowner  
1904 Davis Branch Road  
Woodstock, MD 21163

**RE: Marriotts Ridge, Lot 17**  
**1904 Davis Branch Road**  
**Building Permit: B20001593**  
**Well Permit: HO-95-1232**

Dear Homeowner:

This is to advise you that the septic system installation and water well construction for the above referenced property have been inspected and approved. Final approval of the septic system was granted on **3/19/2021**. Final approval of the well line connection to the dwelling was granted on **1/15/2021**. The well construction was completed on **8/29/2007**. Water samples were collected on **3/2/2021, 3/11/2021, 3/16/2021**.

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 **9/20/2007**. Results showed a Gross Alpha level of **6.0 ± 2.0 pCi/L** and **Gross Beta** level of **4.0 ± 2.0 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-95-1232. 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.**

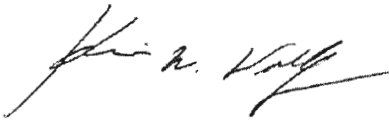
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Maura J. Rossman, M.D., Health Officer

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 Environment 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 #: 143364 Account #: 1920  
Reference: Marriotts Ridge Lot# MRS17 Company: Robert L Feezer Co- New Homes  
Location: 1904 Davis Branch Road Requested By: Rick Cross  
Woodstock, MD 21163 Source: Well Water  
Date/ Time Collected: 3/16/2021 1145 Site: Pressure Tank  
Date/Time Rec'd: 3/16/2021 1454 Treatment: \*\*  
Chlorine ppm: Free: ND Total: ND pH: 7.3  
Collected By: J. Yeager 0819JY Well #: HO-95-1232

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	3/17/2021 / 1130 / CRS
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	3/17/2021 / 1130 / 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 Softener/Neutralizer

Reason for Test : Use & Occupancy

Building Permit # : B20001593

Date Reported: 3/18/2021

# FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

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

## REPORT OF ANALYSIS

Laboratory ID #: 143267 Account #: 1920  
Reference: Marriotts Ridge Lot# MRS17 Company: Robert L Feezer Co- New Homes  
Location: 1904 Davis Branch Road Requested By: Rick Cross  
Woodstock, MD 21163 Source: Well Water  
Date/ Time Collected: 3/11/2021 0945 Site: Pressure Tank  
Date/Time Rec'd: 3/11/2021 1514 Treatment: \*\*  
Chlorine ppm: Free: ND Total: ND pH: 7.3  
Collected By: R. Ott 0266RO Well #: HO-95-1232

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	62.4	MPN/ 100 ml	<1.0	SM20 9223B	3/12/2021 / 0945 / CRS
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	3/12/2021 / 0945 / 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 Softener/Neutralizer

Reason for Test : Use & Occupancy

Building Permit # : B20001593

Date Reported: 3/12/2021

# FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

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

## REPORT OF ANALYSIS

Laboratory ID #: 143038 Account #: 1920  
Reference: Marriotts Ridge Lot# MRS17 Company: Robert L Feezer Co- New Homes  
Location: 1904 Davis Branch Road Requested By: Rick Cross  
Woodstock, MD 21163 Source: Well Water  
Date/ Time Collected: 3/2/2021 1300 Site: Pressure Tank  
Date/Time Rec'd: 3/2/2021 1438 Treatment: \*\*  
Chlorine ppm: Free: ND Total: ND pH: 7.1  
Collected By: J. Yeager 0819JY Well #: HO-95-1232

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	25.4	MPN/ 100 ml	<1.0	SM20 9223B	3/3/2021 / 1000 / BCD
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	3/3/2021 / 1000 / BCD
Nitrate	<1.0	mg/L	10	601	3/2/2021 / 1640 / CRS
Turbidity	1.26	NTU	<10	SM20 2130B	3/2/2021 / 1710 / CRS
Sand	ND	mg/L	5	Visual/Gravimetric	3/2/2021 / 1720 / 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 Softener/Neutralizer

Reason for Test : Use & Occupancy  
Building Permit # : B20001593

Date Reported: 3/5/2021

# FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

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

## REPORT OF ANALYSIS

Laboratory ID #: 143039 Account #: 1920  
Reference: Marriotts Ridge Lot# MRS17 Company: Robert L Feezer Co- New Homes  
Location: 1904 Davis Branch Road Requested By: Rick Cross  
Woodstock, MD 21163 Source: Well Water  
Date/ Time Collected: 3/2/2021 1300 Site: Pressure Tank  
Date/Time Rec'd: 3/2/2021 1438 Treatment: \*\*  
Chlorine ppm: Free: ND Total: ND pH: 7.1  
Collected By: J. Yeager 0819JY Well #: HO-95-1232

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Gross Alpha, Short Term	6.8	pCi/L	15	900.0	3/5/2021 / 0937 / MJN
Gross Beta, Short Term	4.7	pCi/L	50	900.0	3/5/2021 / 0937 / MJN
Gross Alpha, Long Term	4.4	pCi/L	15	900.0	3/16/2021 / 0631 / MJN
Gross Beta, Long Term	4.5	pCi/L	50	900.0	3/16/2021 / 0631 / MJN
Radium-226	1.1	pCi/L	****	903.1	3/11/2021 / 1306 / MJN
Radium-228	1.9	pCi/L	****	Ra-05	3/10/2021 / 1137 / MJN

### NOTES:

- \*\*\*\*Radium 226 and Radium 228 combined have a reference of 5 pCi/L
- Long Term Gross Alpha Detection Limit: 1.2 pCi/L; Gross Alpha Error: +/- 1.2 pCi/L
- Long Term Gross Beta Detection Limit: 1.5 pCi/L; Gross Beta Error: +/- 1.1 pCi/L
- pCi/L = picocuries per liter
- pH & chlorine tested on site
- 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: 1.2 pCi/L; Gross Alpha Error: +/- 1.7 pCi/L
- Short Term Gross Beta Detection Limit: 1.4 pCi/L; Gross Beta Error: +/- 1.1 pCi/L
- Sub-contracted to Reference Lab #278
- ND:None Detected
- Visual well check: Sealed, vented cap
- \*\*Sample collected prior to Softener/Neutralizer

Reason for Test : Use & Occupancy  
Building Permit # : B20001593

Date Reported: 3/18/2021

# FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

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

## REPORT OF ANALYSIS

Laboratory ID #: 143040 Account #: 1920  
Reference: Marriotts Ridge Lot# MRS17 Company: Robert L Feezer Co- New Homes  
Location: 1904 Davis Branch Road Requested By: Rick Cross  
Woodstock, MD 21163 Source: Well Water  
Date/ Time Collected: 3/2/2021 1315 Site: Kitchen Sink Tap  
Date/Time Rec'd: 3/2/2021 1438 Treatment: Neutralizer/Softener  
Chlorine ppm: Free: ND Total: ND pH: 8.2  
Collected By: J. Yeager 0819JY Well #: HO-95-1232

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Gross Alpha, Short Term	3.2	pCi/L	15	900.0	3/5/2021 / 0627 / MJN
Gross Beta, Short Term	1.6	pCi/L	50	900.0	3/5/2021 / 0627 / MJN
Gross Alpha, Long Term	2.8	pCi/L	15	900.0	3/16/2021 / 0631 / MJN
Gross Beta, Long Term	1.7	pCi/L	50	900.0	3/16/2021 / 0631 / MJN
Radium-226	0.6	pCi/L	****	903.1	3/11/2021 / 1408 / MJN
Radium-228	<0.8	pCi/L	****	Ra-05	3/10/2021 / 1137 / MJN

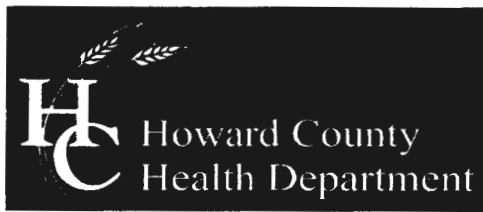
### NOTES:

- \*\*\*\*Radium 226 and Radium 228 combined have a reference of 5 pCi/L
- Long Term Gross Alpha Detection Limit: 1.1 pCi/L; Gross Alpha Error: +/- 1.4 pCi/L
- Long Term Gross Beta Detection Limit: 1.5 pCi/L; Gross Beta Error: +/- 1.0 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: +/- 0.5 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: 1.3 pCi/L; Gross Alpha Error: +/- 1.4 pCi/L
- Short Term Gross Beta Detection Limit: 1.5 pCi/L; Gross Beta Error: +/- 1.0 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 # : B20001593

Date Reported: 3/18/2021



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 26, 2007

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

RE: Myrtue Property, Lot# 7  
Well Tag: HO-95-1232

To Whom It May Concern:

A sample was collected from a yield test September 20, 2007 and submitted to Department of Health and Mental Hygiene 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  $6.0 \pm 2.0$  picocuries/liter (pCi/L); while the **Gross Beta** level was  $4.0 \pm 2.0$  pCi/L. The **Gross Alpha** result was below its **maximum contaminant level (MCL)** of 15 pCi/L, while the **Gross Beta** level was below its target 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 (potability) 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  
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 9, 2007

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

RE: **Myrtue Property, Lot# 17**  
**Well Tag: HO-95-1232**

To Whom It May Concern:

A sample was collected from a yield test August 29, 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  $5.7 \pm 1.6$  picocuries/liter (pCi/L); while the **Gross Beta** level was  $6.0 \pm 1.4$  pCi/L. The **Gross Alpha** result was below its **maximum contaminant level (MCL)** of 15 pCi/L, while the **Gross Beta** level was below its target 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 (potability) testing will still be necessary.

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Bert Nixon, Director  
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cc: Eric Dougherty, MDE Water Mgmt., Groundwater  
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