

C 1	63471	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY PLEASE TYPE		THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.	
					COUNTY NUMBER	
1 2 3 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)			DATE WELL COMPLETED		PERMIT NO. FROM "PERMIT TO DRILL WELL"	
ST/CO USE ONLY DATE Received MM 02 DD 15 YY 22			MM 21 DD 08 YY 22		22 500 26 (TO NEAREST FOOT)	
8 13			15 20		28 29 30 31 32 33 34 35 36 37	

OWNER	Woodstock Inn		first name	TOWN Woodstock	
WELL SITE ADDRESS	last name 1415 Woodstock Rd		SECTION		LOT
SUBDIVISION					

WELL LOG			
Not required for driven wells			
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING			
DESCRIPTION (Use additional sheets if needed)	FEET		check if water bearing
	FROM	TO	
Granite	145	199	
Quartz	199	205	✓
Granite	205	370	
Quartz	370	372	
Granite	372	500	

NUMBER OF UNSUCCESSFUL WELLS:	0
WELL HYDROFRACTURED	yes <input checked="" type="checkbox"/> Y no <input type="checkbox"/> N
CIRCLE APPROPRIATE LETTER	
A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED	
E ELECTRIC LOG OBTAINED	
P TEST WELL CONVERTED TO PRODUCTION WELL	
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.	
DRILLERS LIC. NO. 1	M 5 D 224
DRILLERS SIGNATURE	(MUST MATCH SIGNATURE ON APPLICATION)
LIC. NO. 1	D
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)	

GROUTING RECORD			
yes no			
WELL HAS BEEN GROUTED (Circle Appropriate Box)	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N		
TYPE OF GROUTING MATERIAL (Circle one)			
CEMENT <input checked="" type="checkbox"/> CM	BENTONITE CLAY <input type="checkbox"/> BC		
NO. OF BAGS 45 46	NO. OF POUNDS 45 46		
GALLONS OF WATER			
DEPTH OF GROUT SEAL (to nearest foot)			
from 48 TOP 52 ft. to 54 BOTTOM 58 ft. (enter 0 if from surface)			
CASING RECORD			
casing types insert appropriate code below	<input checked="" type="checkbox"/> ST STEEL	<input type="checkbox"/> CO CONCRETE	
	<input type="checkbox"/> PL PLASTIC	<input type="checkbox"/> OT OTHER	
	MAIN CASING TYPE		
	Nominal diameter top (main) casing (nearest inch)!		
Total depth of main casing (nearest foot)			
60 61 63 64 66 70			
OTHER CASING (if used)			
EACH CASING diameter inch depth (feet) from to			
SCREEN RECORD			
screen type or open hole insert appropriate code below	<input checked="" type="checkbox"/> ST STEEL	<input type="checkbox"/> BR BRASS	<input type="checkbox"/> HO OPEN HOLE
	<input type="checkbox"/> PL PLASTIC	<input type="checkbox"/> OT OTHER	
	SLOT SIZE 1 2 3		
	DIAMETER OF SCREEN (NEAREST INCH)		
56 60			
from to			
GRAVEL PACK IF WELL DRILLED WAS FLOWED 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 74 75 76			
TELESCOPE CASING LOG INDICATOR OTHER DATA			

PUMPING TEST		
HOURS PUMPED (nearest hour)	8 9	
PUMPING RATE (gal. per min.)	11 15	
METHOD USED TO MEASURE PUMPING RATE		
WATER LEVEL (distance from land surface)		
BEFORE PUMPING	17 20 ft.	
WHEN PUMPING	22 25 ft.	
TYPE OF PUMP USED (for test)		
<input checked="" type="checkbox"/> A air	<input type="checkbox"/> P piston	<input type="checkbox"/> T turbine
<input type="checkbox"/> C centrifugal	<input type="checkbox"/> R rotary	<input type="checkbox"/> O other (describe below)
<input type="checkbox"/> J jet	<input type="checkbox"/> S submersible	
PUMP INSTALLED		
DRILLER INSTALLED PUMP (CIRCLE) (YES or 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)		
<input checked="" type="checkbox"/> + above		
LAND SURFACE (nearest foot)		
<input type="checkbox"/> - below		
49 50 51		
LATITUDE 39.330372		
LONGITUDE 76.870304		
(DEFAULT COORD. WGS 84)		
Pursuant to §10-624 of the State Govt. Article of the Maryland Code personal info. requested on this form is used in processing this form pursuant to COMAR 26.04.04. Failure to provide the info. may result in this form not being processed. You have the right to inspect, amend, or correct this form. The Maryland Department of the Environment is subject to the Maryland Public Information Act. This form may be made available on the Internet via MDE's website and is subject to inspection or copying, in whole or in part, by the public and other governmental agencies, if not protected by federal or state law.		

File!

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

March 04, 2022

ANTHONY BRAGLIO
3016 HERNWOOD RD
WOODSTOCK MD 21163

RE: 1415 WOODSTOCK RD
WOODSTOCK 21163
HO-73-0160

Dear Anthony Braglio:

A sample was collected during the yield test on February 22, 2022 and submitted to the Maryland Department of Health Laboratories to assess the possible presence of **Gross Alpha** and **Gross Beta** in the well water supply. **Gross Alpha** and **Gross Beta** measure the total alpha and beta particle activity in a water supply. These naturally occurring radioactive nuclides have been demonstrated to be present in a certain type of geologic formation known as the Baltimore Gneiss which exists in your area of development within the County.

Results from this screening revealed a **Gross Alpha** of 7.0 ± 2.2 picocuries/liter (pCi/L), while the **Gross Beta** level was 4.4 ± 1.8 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 targeted standard of **50 pCi/L** (roughly equivalent to the **annual dose rate** of **4 millirems/year**).

In addition, on the received laboratory result slip, a second lab analysis shows a **Gross Alpha** of 8.6 ± 2.5 picocuries/liter (pCi/L), while the **Gross Beta** level was 6.0 ± 2.0 pCi/L.

At the time of testing and with respect to the initial test results and second lab analysis, your well water supply **does meet** EPA regulatory standards for **Gross Alpha and Gross Beta**. Given these screening results, additional testing to further evaluate these findings does not appear to 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,



Ramar Martin, Program Supervisor
Bureau of Environmental Health

Enclosure
cc: Property file

SEND REPORT TO: RAMAR MARTIN

State of Maryland

DHMH - Laboratories Administration

Division of Environmental Sciences

RADIATION LABORATORY

1770 Ashland Avenue

Baltimore, Maryland 21205

Lab No.

Howard County Health Department
Bureau of Environmental Health
8930 Stanford Blvd.
Columbia, Maryland 21045

LABORATORY ANALYSIS REQUEST FORM

Plant/Site Name: 1415 WOODSTOCK ROAD - WOODSTOCK INN County: HOWARDSample Source: WOODSTOCK ROAD, WOODSTOCK MD Location: 40-73-0160

(Well no., lab sink, sample tap, etc.)

Radon-222 Bottle A HO-10160 RA Radon-222 Field Blank Bottle A _____

Bottle B _____ Bottle B _____

County 13 Plant No. _____

CHECK (one per Box)

Type	
Drinking Water	<input checked="" type="checkbox"/>
Landfill	<input type="checkbox"/>
Stream	<input type="checkbox"/>
Other	<input type="checkbox"/>

Service	
Community	<input type="checkbox"/>
Non-Community	<input type="checkbox"/>
Private	<input checked="" type="checkbox"/>
Other	<input type="checkbox"/>

Point of Collection	
Source (Raw)	<input checked="" type="checkbox"/>
Distribution (treated)	<input type="checkbox"/>
MCL	<input type="checkbox"/>

Testing	
Emergency	<input type="checkbox"/>
Routine	<input checked="" type="checkbox"/>
Recheck	<input type="checkbox"/>
Special	<input type="checkbox"/>

Submitters Code: 4 F Federal Project: _____Collector: CABANUG 001997 Telephone No.: 410 313 2643Date Collected: 02/22/2022 Time Collected: 1030 a.m. _____ p.m.Field pH: 7.3 Field Chlorine: NEGNitric Acid Preserved: Yes ☒ No ☐ Iced: Yes ☐ No ☐Remarks: WELL DEEPENED BY 300'

✓	TEST	EPA Code	Lab No.	Method No.	Results (pCi/L)	Date Analyzed	Analyst	Date Reported
<input checked="" type="checkbox"/>	Gross Alpha	4000	1551	EPA900.0	7.0 ± 2.2	2/25/22	L.R.	2/28/22
<input checked="" type="checkbox"/>	Gross Beta	4100	1551	EPA900.0	6.3 ± 1.8	2/25/22	L.R.	2/28/22
<input type="checkbox"/>	Radium-226	4020			4.4	2/25/22		
<input type="checkbox"/>	Radium-228	4030						
<input type="checkbox"/>	Total Uranium	4006						
<input type="checkbox"/>	Radon-222 (Bottle A)	4004						
<input type="checkbox"/>	Radon-222 (Bottle B)	4004						
<input type="checkbox"/>	Radon Field Blank A	4004						
<input type="checkbox"/>	Radon Field Blank B	4004						
<input type="checkbox"/>	Tritium							
<input checked="" type="checkbox"/>	Gross Alpha	4000	1551-Dup	EPA900.0	8.6 ± 2.5	2/25/22	L.R.	2/28/22
<input checked="" type="checkbox"/>	Gross Beta	4100	1551-Dup	EPA900.0	6.0 ± 2.0	2/25/22	L.R.	2/28/22

Date Received: 02/23/2022 Received By: L. ReedData Release Signature: _____ Date: 2/28/22

Lab Use Only	Yes	No	N/A
Sample Intact upon arrival?	<input checked="" type="checkbox"/>		
Sample pH <2.0?	<input checked="" type="checkbox"/>		
Received within holding time?	<input checked="" type="checkbox"/>		

HoCo Health Depart
MAR 1 2022
Environmental Health

•Tel. No.: (443) 681-3766 •Fax No.: (443) 681-4507

SEND REPORT TO: R. MARTIN
Howard County Health Department
Bureau of Environmental Health
8930 Stanford Blvd.
Columbia, Maryland 21045

State of Maryland
DHMH - Laboratories Administration
Division of Environmental Sciences
RADIATION LABORATORY
1770 Ashland Avenue
Baltimore, Maryland 21205

Lab No.

LABORATORY ANALYSIS REQUEST FORM

Plant/Site Name: 1415 WOODSTOCK ROAD County: HOWARD

Sample Source: WOODSTOCK, MD Location: WOODSTOCK INN HO-73-0160

Radon-222 Bottle A FIELD BLANK Radon-222 Field Blank Bottle A _____
Bottle B _____ Bottle B _____

County: 13 Plant No. _____

CHECK (one per Box)

Type	
Drinking Water	<input type="checkbox"/>
Landfill	<input type="checkbox"/>
Stream	<input type="checkbox"/>
Other	<input type="checkbox"/>

Service	
Community	<input type="checkbox"/>
Non-Community	<input type="checkbox"/>
Private	<input type="checkbox"/>
Other	<input type="checkbox"/>

Point of Collection	
Source (Raw)	<input type="checkbox"/>
Distribution (treated)	<input type="checkbox"/>
MCL	<input type="checkbox"/>

Testing	
Emergency	<input type="checkbox"/>
Routine	<input type="checkbox"/>
Recheck	<input type="checkbox"/>
Special	<input type="checkbox"/>

Submitters Code: 4 F Federal Project: _____

Collector: CABAHUG 001997 Telephone No.: 410 313 2643

Date Collected: 02/22/2022 Time Collected: 10:30 a.m. _____ p.m.

Field pH: 7.3 Field Chlorine: NEG

Nitric Acid Preserved: Yes ☐ No ☐ Iced: Yes ☒ No ☐

Remarks: FIELD BLANK

<input checked="" type="checkbox"/>	TEST	EPA Code	Lab No.	Method No.	Results (pCi/L)	Date Analyzed	Analyst	Date Reported
<input checked="" type="checkbox"/>	Gross Alpha	4000	1550	EPA900.0	<2	2/25/22	L.R.	2/28/22
<input checked="" type="checkbox"/>	Gross Beta	4100	1550	EPA900.0	<4	2/25/22	L.R.	2/28/22
<input type="checkbox"/>	Radium-226	4020						
<input type="checkbox"/>	Radium-228	4030						
<input type="checkbox"/>	Total Uranium	4006						
<input type="checkbox"/>	Radon-222 (Bottle A)	4004						
<input type="checkbox"/>	Radon-222 (Bottle B)	4004						
<input type="checkbox"/>	Radon Field Blank A	4004						
<input type="checkbox"/>	Radon Field Blank B	4004						
<input type="checkbox"/>	Tritium							
<input type="checkbox"/>								
<input type="checkbox"/>								

Date Received: 02/23/2022 Received By: L. Reed

Data Release Signature: Wanisha Turner Date: 2/28/22

Lab Use Only	Yes	No	N/A
Sample Intact upon arrival?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample pH <2.0?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Received within holding time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

HoCo Health Depart
MAR 1 2022
Environmental Health

•Tel. No.: (443) 681-3766 •Fax No.: (443) 681-4507

MARYLAND DEPARTMENT OF THE ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
1800 Washington Blvd. Baltimore, Maryland 21230 (410) 537-3784

WATER WELL HYDROFRACTURE REPORT

WELL TAG NUMBER H0-73-0160 DATE WORK PERFORMED (mm/dd/yyyy) 2-16-2022

WELL SITE ADDRESS 1415 WOODSTOCK RD

TAX MAP _____ BLK _____ PARCEL _____ LATITUDE 3 9-330372 LONGITUDE 7 6870304

CASING DEPTH 38 FT CASING TYPE (circle) ST OR PVC DIAMETER 6"

WELL DEPTH 500 FT WATER LEVEL BEFORE FRAC 30 FT YIELD BEFORE FRAC 1/2 GPM

PACKER SETTINGS (circle) SINGLE or MULTIPLE SET DEPTH OF SHALLOWEST PACKER 80 FT

SOURCE OF WATER RAND'S WATER

OBSERVATIONS

SET NUMBER	TOP ZONE (FT)	BOTTOM ZONE (FT)	MAX PRESSURE (PSI)	WATER VOLUME USED (GALLONS)
1 ✓	82	180'	1200	2000
2				
3				
4				
5				

WATER FLOWING OUT TOP.

WATER LEVEL AFTER FRAC 0 FT YIELD AFTER FRAC 1.8 GPM

NOTE: YIELD TEST PROCEDURES CAN BE FOUND UNDER COMAR 26.04.04.26.G.

REGULATIONS FOR HYDROFRACTURING OF WATER WELLS CAN BE FOUND IN COMAR 26.04.04.28. FAILURE TO FOLLOW REGULATORY PROCEDURES WILL CONSTITUTE RECEIVING A WRITTEN VIOLATION WHICH MAY RESULT IN PENALTIES DESCRIBED IN COMAR 26.04.04.38.

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Wayne Harley M.S.D. 043
DRILLER SIGNATURE LIC #

FILE INQUIRY NOTES

1415 Woodstock Rd (Woodstock Inn)

DATE

RESULTS OF REVIEW FOR FILE

2/16/22 Arrived on site @ 12:30 PM. Driller Wayne Harley was in process of fracking the existing well HO-73-0160. Driller had introduced 3000 gallons of potable water from MB Matthews pool water company (truck was ~~not~~ onsite). Packer was set at 105'. Fracking began at 11:35 AM. Pressure of water dropped while fracking so driller felt sure he had blown something open. ~~When~~ Upon completion of fracking, water pressure was observed to be very low, almost nothing, when water valve was released.

Fogles will be conducting yield test. Explained to Fogles that all of fracking water must be removed from the hole first before yield is conducted. Well is in the radium area ~~so~~ so radium sample will be collected (S7)

2/17/22 Met with Fogles on site @ 1:40 PM. Fogles is removing ~~the~~ 3000 gallons introduced into well during fracking, currently at rate of 2 GPM. Will continue over next two days. (S7)