

C1 7260

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 PUNCHED IN COLS. 3-6 ON ALL CARDS)

COUNTY NUMBER A518006

ST/CO USE ONLY DATE RECEIVED MM DD YY 8 13

DATE WELL COMPLETED MM DD YY 7 19 07

Depth of Well 22 400 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" 215/08 OK (KW) HO-95-1219 28 29 30 31 32 33 34 35 36 37

OWNER Keelty Company last name first name STREET OR RFD Woodstock Rd TOWN Woodstock SUBDIVISION Myrtle Property SECTION LOT 23

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. Rows: Brown shale (0-31), Gray Granite (31-400), Dryhole (6-400).

GROUTING RECORD yes no

WELL HAS BEEN GROUTED (Circle Appropriate Box) TYPE OF GROUTING MATERIAL (Circle one) CEMENT (CM) BENTONITE CLAY (BC) NO. OF BAGS 20 NO. OF POUNDS 1880 GALLONS OF WATER 120 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 35 ft.

CASING RECORD

MAIN CASING TYPE PL Nominal diameter top (main) casing (nearest inch)! 6 Total depth of main casing (nearest foot) 37

OTHER CASING (if used) diameter inch depth (feet) from to

SCREEN RECORD

screen type or open hole insert appropriate code below (ST) STEEL (BR) BRASS BRONZE (PL) PLASTIC (HO) OPEN HOLE (OT) OTHER

DEPTH (nearest ft.)

Table with columns: 1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 15, 17, 21, 23, 24, 26, 30, 32, 36, 38, 39, 41, 45, 47, 51. Rows: HO 37 400

DIAMETER OF SCREEN (NEAREST INCH) from 56 to 60

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 74 75 76 TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST

HOURS PUMPED (nearest hour) 8 9 10 11 15 PUMPING RATE (gal. per min.) 4.1 METHOD USED TO MEASURE PUMPING RATE 1 gal. WATER LEVEL (distance from land surface) BEFORE PUMPING 32 ft. WHEN PUMPING 98 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 ( ) below LAND SURFACE 01 (nearest foot)

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)

NO survey stakes

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

B 1 4356

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL

STATE PERMIT NUMBER

140-95-1219 fill in this form completely

526657 please type

Date Received (APA)

4/19/07

OWNER INFORMATION

Keelty Company, P O Box 528, Timonium md 21094

B 3

LOCATION OF WELL

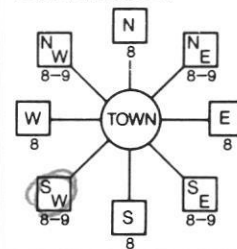
Howard County, Myrtice Property, Woodstock, 2 miles from town

DRILLER INFORMATION

Allen Compton, Fogles Well Drilling, 580 Obrecht rd, 4-14-07

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Woodstock rd, 2200 FT distance from road, TAX MAP: 10 BLK: 24 PARCEL 225

WELL INFORMATION, APPROX. PUMPING RATE 5 GAL. PER MIN., AVERAGE DAILY QUANTITY NEEDED 500 GAL. PER DAY

- USE FOR WATER (CIRCLE APPROPRIATE BOX): D DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL, Howard County, A 518006-m, DATE ISSUED 8/14/07, EXP. DATE 8/14/08

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

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X, SOURCES OF DRILLING WATER, WRITE THE BOX NUMBER FROM THE MAP HERE: E 8397, N 5401

METHOD OF DRILLING (circle one): AIR-ROTary

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX): N THIS WELL WILL NOT REPLACE AN EXISTING WELL

Not to be filled in by driller (MDE OR COUNTY USE ONLY), APPROP. PERMIT NUMBER H02006G018, PERMIT No. 140-95-1219

SPECIAL CONDITIONS NEED RADIUM SAMPLE PER HEALTH DEPT



# Yield Test Data Sheet

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

MD Well Permit #. H0-95-1219

Date of Test: 9-19-07

Subdivision Name: Myrtle Property

Section \_\_\_\_\_ Lot # 23

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: Carroll County Health Department  
Bureau of Environmental Health  
P.O. Box 845  
Westminster, MD 21158  
410-876-1884, 410-857-5009  
410-875-3385

Pump Start Time  <u>8:00</u>	Static Water level: <u>32</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 BELOW M.P.	PUMPING RATE	CALCULATED FLOW (GPM)
1	<u>8:00</u>	<u>32</u> ft.	<u>4</u> <u>15</u> GPM
2	<u>8:15</u>	<u>98</u> ft.	<u>14</u> <u>4.1</u> GPM
3	<u>8:30</u>	<u>98</u> ft.	<u>14</u> <u>4.1</u> GPM
4	<u>8:45</u>	<u>98</u> ft.	<u>14</u> <u>4.1</u> GPM
5	<u>9:00</u>	<u>98</u> ft.	<u>14</u> <u>4.1</u> GPM
6	<u>9:15</u>	<u>98</u> ft.	<u>14</u> <u>4.1</u> GPM
7	<u>9:30</u>	<u>98</u> ft.	<u>14</u> <u>4.1</u> GPM
8	<u>9:45</u>	<u>98</u> ft.	<u>14</u> <u>4.1</u> GPM
9	<u>10:00</u>	<u>98</u> ft.	<u>14</u> <u>4.1</u> GPM
10	<u>10:15</u>	<u>98</u> ft.	<u>14</u> <u>4.1</u> GPM
11	<u>10:30</u>	<u>98</u> ft.	<u>14</u> <u>4.1</u> GPM
12	<u>10:45</u>	<u>98</u> ft.	<u>14</u> <u>4.1</u> GPM
13	<u>11:00</u>	<u>98</u> ft.	<u>14</u> <u>4.1</u> GPM
14	<u>11:15</u>	<u>98</u> ft.	<u>14</u> <u>4.1</u> 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: Barlow Well Drilling Telephone #: 410-838-6910  
Address: 522 UNDERWOOD LANE  
BEL AIR, MD 21014

(Must circle one) Licensed Plumber  Licensed Well Driller  Licensed Well Pump Installer  
License # and name of individual responsible for the field installation:  
Name (Print): Michael ISOM License# MSD162

**\*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 #: 443-878-7754  
Subdivision: M-FUTURE PROPERTY Lot #: 23 Well Tag #: HO-95-1219  
Site Address: 1951 DAVIS BRANCH RD  
WOODBINE, MD 21163

<b><u>Submersible Pump Data</u></b>	<b><u>Pitless Adapter</u></b>	<b><u>Well Cap and Electric Conduit</u></b>
Make: <u>GOODS</u>	Make: <u>BIE</u>	Two piece watertight cap: <input checked="" type="checkbox"/>
Model #: <u>TC510422</u>	Model#: <u>P100</u>	Screened, vented well cap: <input type="checkbox"/>
Pump Capacity <u>7</u> GPM	Depth: <u>36</u> (36" min)	Cap secured to casing: <input type="checkbox"/>
Well Yield: <u>4</u> GPM	NSF/WSC approved: <u>YES</u>	Conduit min 18" B.G.: <input type="checkbox"/>
Depth of well encountered at time of pump installation: <u>400</u> (feet)	Conduit secured to well cap: <input checked="" type="checkbox"/>	

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

<b><u>Piping to house</u></b>	<b><u>House Connection</u></b>
Type: <u>POLY</u>	PVC sleeve to undisturbed soil at wall penetration: <input checked="" type="checkbox"/>
PSI: <u>200</u> (160 psi min)	Length of sleeve (5' minimum from foundation): <u>6'</u>
Depth of supply line: <u>36</u> (36" min)	Sleeve sealed properly: <input checked="" type="checkbox"/>

**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.**

Signature of company representative responsible for installation \_\_\_\_\_

4/18/2022  
date

**For Health Department Use Only - Not to be completed by Installer**

Date Insp. Requested: 4/26/22 Date Insp. Approved: 5/27/22 Inspector: (ST)  
Inspection Data: Pitless adapter watertight & water supply line at least 36" below grade  45"  
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  14" needs tag ✓ tag added  
Water supply line sleeved adequately at house connection  10'  
Adequate grout observed below pitless adapter

5/27/22 (ST)

**INTERIM CERTIFICATE OF POTABILITY**  
Expiration Date – FEBRUARY 26, 2023

August 26, 2022

Homeowner  
1951 Davis Branch Road  
Woodstock, MD 21163

**RE: Marriotts Ridge, Lot 23**  
**1951 Davis Branch Road**  
**Building Permit: B21004017**  
**Well Permit: HO-95-1219**

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 **7/18/2022**. Final approval of the well line connection to the dwelling was granted on **5/29/2022**. The well construction was completed on **9/19/2007**. Water samples were collected on **8/22/2022**.

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.

Gross Alpha and Beta samples were also collected on **9/17/2007**. Results showed a Gross Alpha level of **2.0 ± 1.0 pCi/L** and **Gross Beta** level of **3.0 ± 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-95-1219. 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



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*



MYRTLE PROPERTY

LOT 23

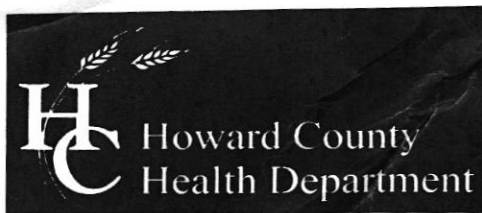


Job No. 02033 Scale: 1"=50' Date: 04/16/07 Drawn By: MDT

**Draft-McCune-Walker, Inc.**  
 200 East Pennsylvania Avenue  
 Towson, Maryland 21286  
 (410) 296-3333  
 Fax 296-4705

A Team of Land Planners,  
 Landscape Architects,  
 Engineers, Surveyors &  
 Environmental Professionals

n:\02033\Lot Welle\Lot23.DGN



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

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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# 23  
Well Tag: HO-95-1219

To Whom It May Concern:

A sample was collected from a yield test September 19, 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  $2.0 \pm 1.0$  picocuries/liter (pCi/L); while the **Gross Beta** level was  $<3.0 \pm 0.0$  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,  
  
Bert Nixon, Director  
Bureau of Environmental Health

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



\*\*\*\*\*  
 WATER WELL ABANDONMENT-SEALING REPORT FORM  
 \*\*\*\*\*

SUBMIT COPIES OF COMPLETED FORM TO:

- \* COUNTY ENVIRONMENTAL AGENCY (contact MDE, WMA if address needed)
- \* WELL OWNER
- \* MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

Approved  
 5/13/22 (SF)  
 Dryhole

DATE WELL ABANDONED: 4-21-22 (month/day/year)

\* PERMIT NUMBER OF ABANDONED WELL (if any)

\* PERMIT NUMBER OF REPLACEMENT WELL:

H0-95-1219

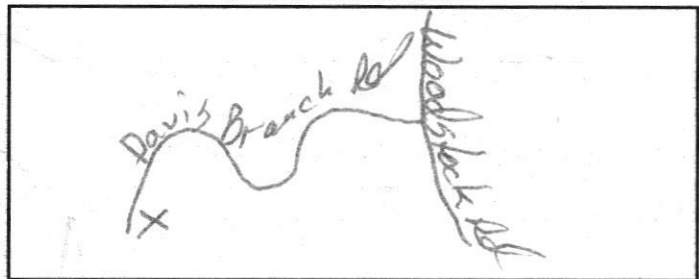
\* PERSON ABANDONING WELL: Andrew Houseman WELL DRILLER'S LICENSE NUMBER: 224

CIRCLE: MWD / MSD / MGD

\* OWNER'S NAME: Keystone Custom Homes

SITE LOCATION MAP

\* WELL LOCATION:  
 COUNTY: Howard  
 NEAREST TOWN: Woodstock  
 TAX MAP 10 BLOCK 24 PARCEL 225  
 SUBDIVISION: Myrtle Property  
 SECTION: \_\_\_\_\_ LOT: 23  
 STREET ADDRESS: Woodstock Rd  
1951 Davis Branch Rd



LATITUDE 3 9.320421

LONGITUDE 7 6.867206

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
Bentonite	400	0
VOLUME OF MATERIAL USED		
Bentonite	4950 lbs	

\* TYPE OF WELL BEING ABANDONED:  
 DRILLED \_\_\_\_\_ JETTED  
 \_\_\_\_\_ BORED \_\_\_\_\_ HAND DUG  
 \_\_\_\_\_ OTHER (specify) Dryhole

\* USE CODE:  
 DOMESTIC \_\_\_\_\_ MUNICIPAL/PUBLIC  
 \_\_\_\_\_ IRRIGATION \_\_\_\_\_ INDUSTRIAL  
 \_\_\_\_\_ TEST/OBSERVATION \_\_\_\_\_ GEOTHERMAL

\* TYPE OF CASING:  
 \_\_\_\_\_ STEEL  PLASTIC  
 \_\_\_\_\_ CONCRETE \_\_\_\_\_ OTHER (specify) \_\_\_\_\_

SIZE OF CASING: 6 INCHES IN DIAMETER

DEPTH OF WELL: 400 FEET DEEP

WAS ANY CASING REMOVED? \_\_\_\_\_ YES  NO  
 If yes, length removed, in feet: \_\_\_\_\_

WAS CASING RIPPED OR PERFORATED? \_\_\_\_\_ YES NO

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN LICENSE#

Andrew Houseman

CIRCLE ONE

DATE

224 MWD / MSD / MGD 4-25-22

COUNTY

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.

# ENVIRO-CHEM LABORATORIES, INC.



47 Loveton Circle, Suite K • Sparks, Maryland 21152

410-472-1112

## FINAL REPORT OF ANALYSIS

Michael Barlow Well Drilling  
522 Underwood Lane  
Bel Air, MD 21014

Report Date: 08/25/2022  
Report Number: 220825164933  
Use and Occupancy  
PERMIT #:

LAB#- E071606-01      SAMPLE ID- 1951 Davis Branch Rd      WELL #      HO-95-1219  
LOCATION- Pressure Tank      SAMPLER- S Duklewski #3073SD  
DATE SAMPLED- 08/22/2022      TIME SAMPLED- 08:45      CHLORINE- Non detect  
DATE RECEIVED- 08/22/2022      TIME RECEIVED- 10:52  
DELIVERED BY- Steve Duklewski      RECEIVED BY- Ginny Shelley  
COMMENTS-

COMMENTS-

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT	DATA FLAG
<b>Microbiology by Enviro-Chem</b>					
Total Coliform	SM 9223B	08/22/22 15:15	VPS	Absent	PASS
E. Coli	SM 9223B	08/22/22 15:15	VPS	Absent	PASS

Based on coliform bacteriological standards, at the time of sampling this water was **SAFE** for drinking water purposes.

### Wet Chemistry by Enviro-Chem

Nitrate (as N)	EPA 300.0	08/22/22 19:00	FRD	0.49 •	mg/L	PASS
pH	SM4500-H+B	08/22/22 16:00	FRD	6.0 •	SU	
Sand	EPA 160.5	08/22/22 15:00	VPS	< 0.5 •	ml/L/Hr	
Turbidity	EPA 180.1	08/22/22 16:00	FRD	1.1 •	NTU	

Stephen Shelley  
Laboratory Director

### Certifications

State of Maryland Laboratory

#192

**EMSL ANALYTICAL, INC.**

200 Route 130 North  
 Cinnaminson, NJ 08077  
 Telephone: (800)220-3675 FAX: (856)786-0327  
[cinnaminsonradonlab@emsl.com](mailto:cinnaminsonradonlab@emsl.com) | <http://www.EMSL.com>

**EMSL ORDER ID:** 782206013  
**EMSL CUSTOMER ID:** ECHM78

**Attention:** Stephen Shelley  
 Enviro-Chem Laboratories,  
 Inc.  
 47 Loveton Circle  
 Suite K

**Customer PO:**  
**EMSL Project ID:**  
**Project Name:** 1951 Davis Branch Rd / 71690

**Phone:** 410-472-1112  
**Email:** [steve@enviro-chem.net](mailto:steve@enviro-chem.net)

**Collected:** 08/31/2022 10:50  
**Received:** 09/01/2022 10:40  
**Analyzed:** See Results  
**Reported:** 9/3/2022

### Analytical Report

**Sample Identification:** 1951 Davis Branch Rd**Lab Sample #:** 782206013-0001 **Date/Time Collected:** 8/31/2022 10:50 AM

Test Parameter	Units	Result	Uncertainty	SDWA	Start Count	End Count	Analyst	Status Count	Method	Comment
				DL	Date/ Time	Date/ Time				
NJ Rapid Gross Alpha	pCi/L	0.544	1.52	2.49	09/02/2022 06:05	09/02/2022 07:05	JAW/SA T	First Count	ECLS-R- GA Rev.8	(1)
Gross Beta - EPA 900.0	pCi/L	0.449	1.24	1.76	09/02/2022 06:05	09/02/2022 07:05	JAW/SA T	Not Applicable	EPA 900.0	(1)

Sample Specific Comments

(1)= Analyte was analyzed for, but not detected above the SDWA DL

(2)= Analyte was analyzed for, but not detected above the MDA

Additional Comments

- \* The uncertainty reported is an expanded uncertainty of 1.96-sigma.
- \* For NJ Rapid Gross Alpha, the uncertainty reported is an expanded uncertainty of 1.65-sigma.
- \* The SDWA detection limit is defined in 40 CFR 141.25(c) as equal to the analyte concentration which can be counted with a precision of plus or minus 100% at the 95% confidencelevel (1.96σ where σ is the standard deviation of the net counting rate of the sample).
- \* For drinking water, the regulatory limit for gross alpha is 15 pCi/L with an SDWA DL of 3 pCi/L..
- \* For drinking water, the regulatory limit for combined radium-226 and radium-228 is 5 pCi/L with each having an SDWA DL of 1 pCi/L.
- \* If gross alpha result from the 36 – 48 hour count exceeds 5pCi/L, the plancheted sample is recounted between 20 – 28 hours after the midpoint of the initial count.

If "Preliminary Report" is displayed in the signature box; this indicates that there are samples that have not yet been analyzed, that are in a preliminary state, or that analysis is in progress but not completed at the time of report issue.

<u>Report Date</u>	<u>Report Revision</u>	<u>Revision Comments</u>
9/3/2022	R0	Initial Report

**Dominic Gehret, Radiochemistry Laboratory Manager**  
 or other approved signatory

**EMSL ANALYTICAL, INC.**

200 Route 130 North  
 Cinnaminson, NJ 08077  
 Telephone: (800)220-3675 FAX: (856)786-0327  
[cinnaminsonradonlab@emsl.com](mailto:cinnaminsonradonlab@emsl.com) | <http://www.EMSL.com>

**EMSL ORDER ID:** 782206013  
**EMSL CUSTOMER ID:** ECHM78

**Attention:** Stephen Shelley  
 Enviro-Chem Laboratories, Inc.  
 47 Loveton Circle  
 Suite K  
 Sparks, MD 21152

**Customer PO:**  
**EMSL Project ID:**  
**Project Name:** 1951 Davis Branch Rd / 71690

**Phone:** 410-472-1112  
**Email:** [steve@enviro-chem.net](mailto:steve@enviro-chem.net)

**Collected:** 08/31/2022 10:50  
**Received:** 09/01/2022 10:40  
**Analyzed:** See Results  
**Reported:** 9/3/2022

**Laboratory Report- Sample Summary**

EMSL Sample ID.	Client Sample ID.	Start Sampling Date	Start Sampling Time
782206013-0001	1951 Davis Branch Rd	8/31/2022	10:50 AM

If "Preliminary Report" is displayed in the signature box; this indicates that there are samples that have not yet been analyzed, that are in a preliminary state, or that analysis is in progress but not completed at the time of report issue.

<u>Report Date</u>	<u>Report Revision</u>	<u>Revision Comments</u>
9/3/2022	R0	Initial Report

**Dominic Gehret, Radiochemistry Laboratory Manager**  
 or other approved signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted.

# FILE INQUIRY NOTES

1951 Davis Branch Rd (Lot 23 Myrtle Property)

DATE

RESULTS OF REVIEW FOR FILE

4/20/22 Bill Ingram, sub contracted to dig well line, discovered open well on property, buried under dirt. There was no lid but it was cased in 6" PVC. Water level at 33'.  
Well was probably dry hole mentioned on completion report for H0-95-1219. No abandonment report in file.  
Fogles is scheduled to abandon well first thing tomorrow ~~no~~ morning. (SJ)

4/24/22 Hole abandoned w/ bentonite. (SJ)

## Thomas, Susan

---

**From:** Michael Isom <misom@mbwd.us>  
**Sent:** Tuesday, May 3, 2022 5:08 PM  
**To:** Thomas, Susan  
**Subject:** RE: Myrtue Lot 23 and Lot 26

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

Thanks. I'll let you know when they are on

Michael Isom  
Senior Project Manager  
Michael Barlow Well Drilling  
410-838-6910

**From:** Thomas, Susan <sathomas@howardcountymd.gov>  
**Sent:** Tuesday, May 3, 2022 4:52 PM  
**To:** Michael Isom <misom@mbwd.us>  
**Subject:** RE: Myrtue Lot 23 and Lot 26

Ok. I just don't want to run into the situation of sending them to you and then you having to send them back if they end up going with someone else...as has already happened lol. I'll just send you the two I have for Lots 23 and 26 for now.

Best,  
Susan

**From:** Michael Isom <misom@mbwd.us>  
**Sent:** Tuesday, May 3, 2022 4:41 PM  
**To:** Thomas, Susan <sathomas@howardcountymd.gov>  
**Subject:** RE: Myrtue Lot 23 and Lot 26

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

We have other jobs in that community coming up, so I am happy to help Keystone out by putting them on the wells.

Michael Isom  
Senior Project Manager  
Michael Barlow Well Drilling  
410-838-6910

**From:** Thomas, Susan <sathomas@howardcountymd.gov>  
**Sent:** Tuesday, May 3, 2022 4:03 PM  
**To:** Michael Isom <misom@mbwd.us>  
**Subject:** RE: Myrtue Lot 23 and Lot 26

Dear Mike,

I have the replacement tags for Lot 23 and 26.

In addition, I also have replacement tags for some other wells at Myrtue – have you been hired to put replacement tags on all of the wells up there?

If so, I can send them all to you in one bunch.

Please let us know when they are on and we will come out an inspect.

Thanks,

Susan

Susan M. Thomas  
Environmental Health Specialist  
Well & Septic Program  
Bureau of Environmental Health  
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**From:** Michael Isom <[misom@mbwd.us](mailto:misom@mbwd.us)>  
**Sent:** Thursday, April 21, 2022 4:01 PM  
**To:** Thomas, Susan <[sathomas@howardcountymd.gov](mailto:sathomas@howardcountymd.gov)>  
**Subject:** RE: Myrtue Lot 23 and Lot 26

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

Thanks. Once we have them, we will install them and send pictures

Michael Isom  
Senior Project Manager  
Michael Barlow Well Drilling  
410-838-6910

**From:** Thomas, Susan <[sathomas@howardcountymd.gov](mailto:sathomas@howardcountymd.gov)>  
**Sent:** Thursday, April 21, 2022 3:52 PM  
**To:** Michael Isom <[misom@mbwd.us](mailto:misom@mbwd.us)>  
**Subject:** Myrtue Lot 23 and Lot 26

Dear Mike,

Both of these are ok to backfill, although they are not approved until the well tags are attached. I'm trying to locate or make replacement tags and mail them to you.

Thanks,

Susan

Susan M. Thomas  
Environmental Health Specialist  
Well & Septic Program  
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8930 Stanford Blvd.  
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