

C1 40798

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 XIII

ST/CO USE ONLY DATE RECEIVED 06/13/18

DATE WELL COMPLETED 05 23 18

Depth of Well 300 (TO NEAREST FOOT)

PERMIT NO. FROM 'PERMIT TO DRILL WELL' Ho-17-0278

OWNER Elm Street Development WELL SITE ADDRESS Howard Lodge Drive TOWN Sykesville SUBDIVISION WALKER MEADOWS SECTION LOT 32

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, FEET (FROM, TO), check if water bearing. Rows include Soil, Brown Shale, Tan shale, HARD GRAY ROCK.

GROUTING RECORD WELL HAS BEEN GROUTED (Y) NO (N)

TYPE OF GROUTING MATERIAL (C) BENTONITE CLAY (B) NO. OF BAGS 20 NO. OF POUNDS 1800

CASING RECORD (S) STEEL (C) CONCRETE (P) PLASTIC (O) OTHER

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

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

SCREEN RECORD (S) STEEL (B) BRASS (H) OPEN HOLE (P) PLASTIC (O) OTHER

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED (Y) NO (N)

CIRCLE APPROPRIATE LETTER A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED

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

DRILLERS LIC. NO. MCB 355

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. WRP 109

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

DEPTH (nearest ft.) 55 300

Table with columns: E A C H S R E E N, rows for casing and screen details.

DIAMETER OF SCREEN (NEAREST INCH) from to

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

TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST 3

HOURS PUMPED (nearest hour) 8 9

PUMPING RATE (gal. per min.) 100

METHOD USED TO MEASURE PUMPING RATE Water/Bucket

WATER LEVEL (distance from land surface)

BEFORE PUMPING 18 ft.

WHEN PUMPING 75 ft.

TYPE OF PUMP USED (for test) (S) submersible

PUMP INSTALLED DRILLER INSTALLED PUMP (CIRCLE) (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 1 (nearest foot)

LATITUDE 39.34065 LONGITUDE 76.93822 (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.

B 1  
54212

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND  
APPLICATION FOR PERMIT TO DRILL WELL  
562439-K please type

STATE PERMIT NUMBER  
HD-17-0278  
fill in this form completely

Date Received (APA) 02/14/18  
OWNER INFORMATION  
8 MM DD YY 13  
15 Last Name First Name  
6820 Elm St, Suite 200  
36 Street or RFD 55  
McLean, VA 22101  
57 Town 70 State 72 Zip 76

B 3 LOCATION OF WELL  
8 COUNTY Howard  
21 Walker Meadows  
23 SUBDIVISION 42  
SECTION 44 46 LOT 32 48 50  
52 NEAREST TOWN Sykesville 71

DRILLER INFORMATION  
Michael Barlow M W D 855  
76 License No. 81  
Barlow Well Drilling  
522 Underwood Ln, 21014  
Address  
Signature Date 2/12/18

B 4 SOURCES OF DRILLING WATER  
1. Well  
2.  
3.  
HOWARD LODGE DRIVE  
11 STREET ADDRESS 30  
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
34 300 37  
DISTANCE FROM ROAD ENTER FT OR MI 38 39  
TAX MAP: 9 BLK: 6 PARCEL 66

B 2 WELL INFORMATION  
APPROX. PUMPING RATE (GAL. PER MIN.) 5  
8 12  
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 750  
14 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)  
 DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION  
 FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)  
22  INDUSTRIAL, COMMERCIAL, DEWATERING  
 PUBLIC WATER SUPPLY WELL  
 TEST, OBSERVATION, MONITORING  
 OPEN LOOP GEOTHERMAL  
 CLOSED LOOP GEOTHERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL  
Howard 13  
COUNTY NAME COUNTY NO.  
STATE SIGNATURE INSERT S → 41  
DATE ISSUED 3/16/18 L/LK 3/16/19  
43 MM DD YY 48 CO SIGNATURE EXP. DATE  
DOG: 04/11/2018 @ 04/13/2018 @ DOY: 5/23/18 (C)

APPROXIMATE DEPTH OF WELL 300 FEET  
24 28  
APPROXIMATE DIAMETER OF WELL 6 INCH  
NEAREST INCH

PROPOSED LOCATION OF WELL ON LOT  
SHOW PERMANENT STRUCTURES SUCH AS BUILDINGS, SEPTIC SYSTEM, ROADS AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCE MEASUREMENTS TO WELL  
4/11/2018 @ 5/23  
- Pre SDE 27.6  
- started pumping @ 11 am  
- 240' deep  
- pump @ 280' - collected  
- 18' static  
- 75' meas. pt. Na, Cl, + TDS  
- 10 gpm  
- 10' / Prop LINE  
4/13/2018 @  
Arkos  
N  
↑  
cement

METHOD OF DRILLING (circle one)  
BORED (or Augered) JETTED Jetted & DRIVEN  
30 AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary)  
37 CABLE REVERSE-ROTary DRIVE-POINT  
other

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  
39  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  
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 52

Not to be filled in by driller (MDE OR COUNTY USE ONLY)  
APPROP. PERMIT NUMBER HD 3016G004  
PERMIT No. HD-17-0278  
78 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS  
NOTE: APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED



**MICHAEL BARLOW WELL DRILLING & SERVICE, INC.**

522 Underwood Lane  
(410) 838-6910

Bel Air, Maryland 21014  
Fax (410) 838-3582

**WELL YIELD REPORT**

Date Test Completed:	May 23, 2018
Well Depth:	300 feet
Customer: Elm Street Development	Permit #: HO-17-0278
Road: Howard Lodge Drive	Subdivision: Walker Meadows
City: Sykesville	Section: _____
State: Maryland	Lot #: 32

Time	Water Level In Feet	Time to Fill 1-gallon bucket seconds	G.P.M.
11:05 AM	18	4	15.00
11:20 AM	64	5	12.00
11:35 AM	75	6	10.00
11:50 AM	75	6	10.00
12:05 PM	75	6	10.00
12:20 PM	75	6	10.00
12:35 PM	75	6	10.00
12:50 PM	75	6	10.00
1:05 PM	75	6	10.00
1:20 PM	75	6	10.00
1:35 PM	75	6	10.00
1:50 PM	75	6	10.00
2:05 PM	75	6	10.00
This yield test report is for informational purposes only. Please note the yield may increase or decrease over time and the GPM indicated above is not a guarantee.			

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

**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: Fogles Well Pump & Water Treatment, LLC Telephone #: 410 795 5670  
Address: 5800 Dreyfuss Rd  
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): David C Fogle License# MSD226

\*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: NVR Inc Telephone #: \_\_\_\_\_  
Subdivision: Walker meadows Lot #: 32 Well Tag #: HO-17-0278 (S)  
Site Address: 12241 Mangrove Dr  
Sykesville, MD 21784

Submersible Pump Data

Make: Grundfos  
Model #: TP305422  
Pump Capacity: 7  
Well Yield: 10

Pitless Adapter

Make: Campbell+  
Model#: N/A  
GPM Depth: 36" (36" min)  
GPM 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: 300 (feet)  
If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4

Must circle one: Torque arrestors / Cable guards / Other acceptable method used

Safety rope, if used, attached to brass rope adapter or other acceptable method inside of well casing NA

Piping to house

Type: 1" poly pipe  
PSI: 200 (160 psi min)  
Depth of supply line: 36" (36" min)

House Connection

PVC sleeve to undisturbed soil at wall penetration: YES  
Length of sleeve (5' minimum from foundation): 6'  
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.

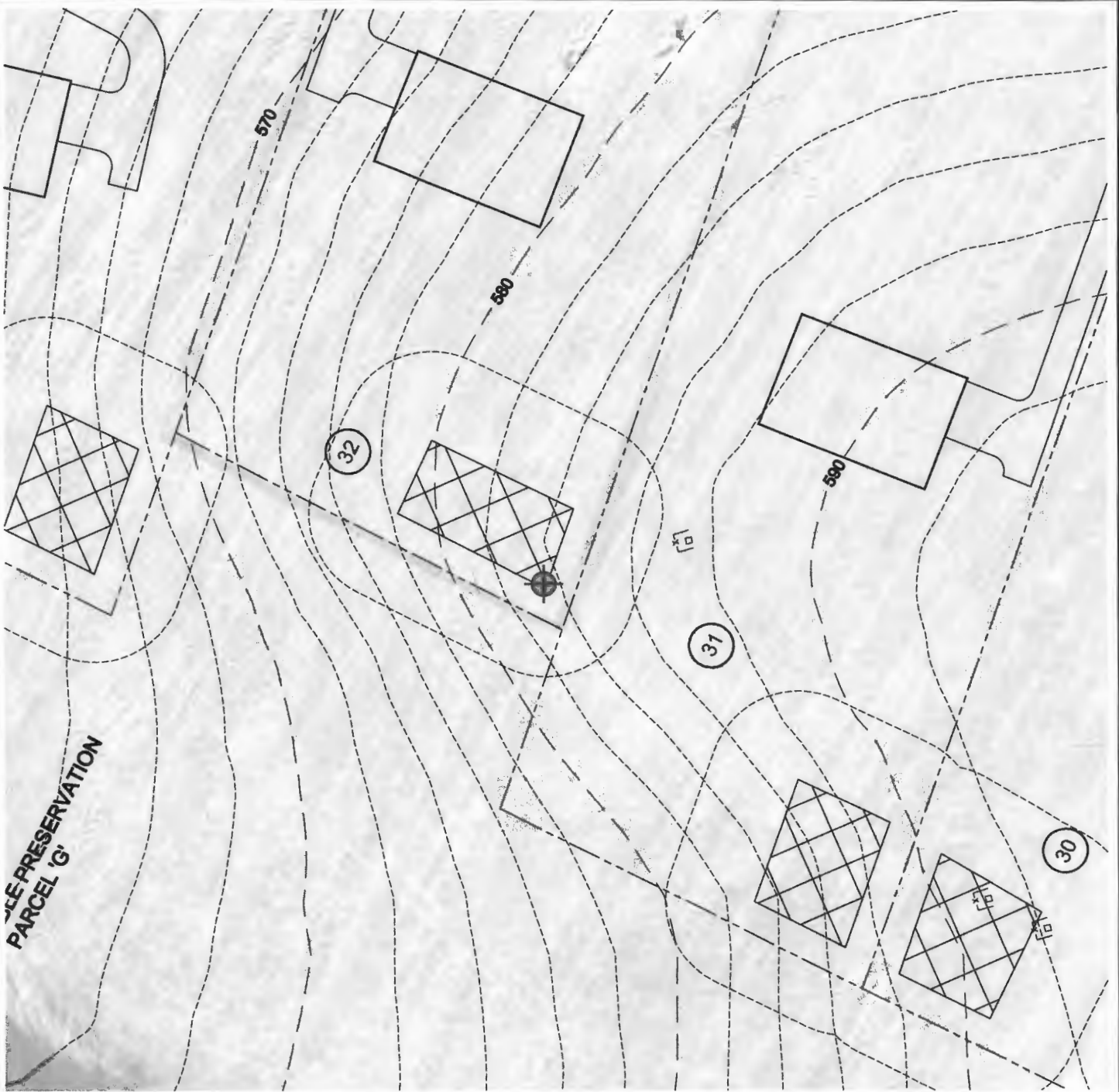
Signature of company representative responsible for installation: [Signature] date: 10/16/2020

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

Date Insp. Requested: 10/7/2020 Date Insp. Approved: 10/7/2020 Inspector: (S)  
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

(S) 40"  
✓ 30"  
✓ 29"  
✓ 5ft

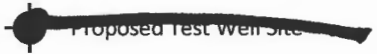
(Revised form 10/24/2018)



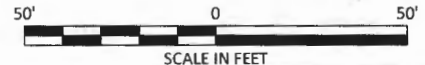
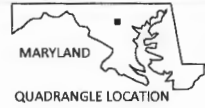
H:\Projects\Elm Street Development\Walker Meadows\CADD\ESD-WM-Report Set.dwg

WATER PRESERVATION  
PARCEL 'G'

**LEGEND**



well box ok  
3/16/18 KR



<b>Elm Street Development</b>			
project location: Sykesville, Howard County, Maryland			
 www.hydro-terra.com		project:	Water Supply Development
		Lot #32 Proposed Test Well Location Map	
		file no.	ESD-WM-Report Set.dwg
		drawn:	M. Swam
checked:	J. Lindaw	date:	02/09/18
approved:	M. Hauffer	date:	02/09/18
			<b>1</b>

**NOTE:**

Aerial Photo Base was obtained from the State of Maryland iMap Imagery website (<http://imap.maryland.gov>), categorized as "Howard2016 SixInchImagery" dated 2016.



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:	9	HIGH STEPPER TRAIL
	15-21	STEPPING PLACE
<u>WALKER MEADOWS</u>	<u>22-34, BPPA'</u>	<u>MAYAPPLE TRAIL</u>
Subdivision/Property Name	Lot #	Road Name

The well site has been staked by DEVELOPMENT DESIGN CONSULTANTS  
(professional land surveyor or company employing professional land surveyors)  
on 3/28/2018 (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.



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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:

<u>WALKER MEADOWS</u>	<u>17</u>	<u>- STEPPING PLACE</u>
Subdivision/Property Name	Lot #	Road Name
	<u>22-32,34, BPP'A'</u>	<u>MAYAPPLE DRIVE</u>

The well site has been staked by DEVELOPMENT DESIGN CONSULTANTS  
(professional land surveyor or company employing professional land surveyors)  
on 2-09-2018 (date) and does not require a site inspection.

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State of Maryland  
Department of Health  
Laboratories Administration  
Division of Environmental Sciences  
**TRACE METALS LABORATORY**  
1770 Ashland Avenue, Baltimore, Maryland 21205  
Robert Myers, Ph.D., Director



## Certificate of Analysis

HOWARD CO ENVIRONMENTAL HLTH  
8930 STANFORD BLVD  
COLUMBIA, MD 21045

Lab Project No: E18004246 Date Coll.: 05/23/2018 Date Received: 05/24/2018 Submitted By: Collins

Field ID: HO-17-0278  
Lab No.: E18004246003

<u>Method</u>	<u>Element</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>
EPA 200.7	Sodium	9.50	ppm	05/31/2018

### Comments:

Approved by:

*Yungho Choi*

Approval date: 06/01/2018

\*\*The following methods are included in our A2LA Scope of Accreditation: EPA 200.7, EPA 200.8, EPA 245.1. Samples are tested as received.

This document contains confidential health information that is privileged, confidential and exempt from disclosure under law. If you have received this information in error, please call (410) 767-6944 and arrange for return or destruction.

Telephone: (443) 681 - 3853

Fax: (443) 681-4507

S:\EnviroFinal-Metals.rpt





State of Maryland  
 Department of Health  
 Laboratories Administration  
 Division of Environmental Sciences  
**INORGANICS ANALYTICAL LABORATORY**  
 1770 Ashland Avenue, Baltimore, Maryland 21205  
 Robert Myers, Ph.D., Director



**Certificate of Analysis**

HOWARD CO ENVIRONMENTAL HLTH  
 8930 STANFORD BLVD  
 COLUMBIA, MD 21045

Lab Project No: E18004243 Date Coll. 05/23/2018 Date Received 05/24/2018 Submitted By: S. Collins

Field ID: HO-17-0278  
 Lab No.: E18004243002

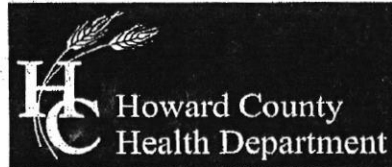
<u>Analyte</u>	<u>Method</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>
Chloride	SM 4500-Cl E	<10	mg/L	05/25/2018
Total Dissolved Solids	SM 2540C	121	mg/L	05/25/2018

**Comments:**

Approved by: *Shabba Ansell* Approval date: 06/01/2018

\*The following methods are included in our AZLA Scope of Accreditation: EPA150.1, EPA 359.2, EPA 375.2, SM4500F C, SM 4500-CN G & QCM-CN, QCM-CN. Samples are tested as received.

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Bureau of Environmental Health

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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:

<u>WALKER MEADOWS</u>	<u>17</u>	<u>- STEPPING PLACE</u>
Subdivision/Property Name	Lot #	Road Name
	<u>22-32, 34, BPPA - MAPPLE DRIVE</u>	

The well site has been staked by DEVELOPMENT DESIGN CONSULTANTS  
(professional land surveyor or company employing professional land surveyors)  
on 2-09-2018 (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.

**INTERIM CERTIFICATE OF POTABILITY**

**Expiration Date – JUNE 16, 2021**

December 16, 2020

Homeowner  
12241 Mayapple Drive  
West Friendship, MD 21794

**RE: Walker Meadows, Lot 32  
12241 Mayapple Drive  
Building Permit: B20002629  
Well Permit: HO-17-0278**

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 **12/9/2020**. Final approval of the well line connection to the dwelling was granted on **10/7/2020**. The well construction was completed on **5/23/2018**. Water samples were collected on **12/1/2020**.

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. 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-17-0278. 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.**

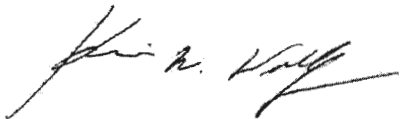
Please contact (410) 313-1773 to schedule a final water sample appointment or contact a Maryland certified water laboratory to schedule a water sample. A list of laboratories certified by the state of Maryland may be found at the following website:  
<http://www.mde.state.md.us/assets/document/WSP-Labs-2010apr16.pdf>

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

In closing, please refer to our "[Homeowner Fact Sheet](#)" which illustrates a better understanding for your Onsite Sewage Disposal System. You will also find a link to Maryland Department of the Environment website which describes in further detail operation and maintenance of your septic system.

Approving Authority,



Kevin M. Wolf, LEHS, R.S./REHS, 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 #: 141488 Account #: 1933  
Reference: Walker Meadows Lot 32 Company: Fogles Well Pump & Treatment  
Location: 12241 Mayapple Drive Requested By: Dave Fogle  
Sykesville, MD 21784 Source: Well Water  
Date/ Time Collected: 12/1/2020 0945 Site: Pressure Tank  
Date/Time Rec'd: 12/1/2020 1040 Treatment: None  
Chlorine ppm: Free: ND Total: ND pH: 6.6  
Collected By: T. Cassell 0767TC Well #: HO-17-0278

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	12/2/2020 / 1015 / CRS
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	12/2/2020 / 1015 / CRS
Nitrate	1.71	mg/L	10	601	12/1/2020 / 1630 / BCD
Sand	ND	mg/L	5	Visual/Gravimetric	12/1/2020 / 1615 / BCD
Turbidity	1.86	NTU	<10	SM20 2130B	12/1/2020 / 1620 / BCD

### 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 Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- 5 Sample collected by client, analyzed as received
- 6 ND:None Detected
- 7 pH and Chlorine level tested in lab (pH tested after recommended holding time)
- 8 Visual well check: Sealed, vented cap

Reason for Test : Use & Occupancy  
Building Permit # : B20002629

Date Reported: 12/2/2020

MD State Certification # 133

# FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

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

## REPORT OF ANALYSIS

Laboratory ID #: 141488 Account #: 1933  
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Chlorine ppm: Free: ND Total: ND pH: 6.6  
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Nitrate	1.71	mg/L	10	601	12/1/2020 / 1630 / BCD
Sand	ND	mg/L	5	Visual/Gravimetric	12/1/2020 / 1615 / BCD
Turbidity	1.86	NTU	<10	SM20 2130B	12/1/2020 / 1620 / BCD

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- 8 Visual well check: Sealed, vented cap

Reason for Test : Use & Occupancy

Building Permit # : B20002629

Date Reported: 12/2/2020

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

June 27, 2018

Elm Street Development  
1355 Beverly Road  
Suite 240  
McClellan, VA 22101

Re: Water sample results for Walker Meadows, Lot 32

Dear Elm Street Development,

The Health Department received results from the testing for sodium, chloride, and total dissolved solids (TDS) from the well on this lot.

Elevated sodium levels in drinking water may affect individuals on low-salt diets. The action level for sodium is 20 milligrams per liter (mg/L); **sodium from the well measured 9.50 mg/L.**

Chloride and TDS are both considered secondary contaminants, meaning high concentrations may affect taste, color, odor, or corrosive properties of water but present no risk to health. The secondary maximum contaminant level for chloride is 250 mg/L; **chloride from the well measured <10 mg/L.** The secondary maximum contaminant level for TDS is 500 mg/L; **TDS from the well measured 121 mg/L.**

Feel free contact me at the number or email below with any questions regarding the results of water sampling.

Sincerely,



Sarah Collins, L.E.H.S.  
Howard County Health Department  
Well & Septic Program  
[SCollins@howardcountymd.gov](mailto:SCollins@howardcountymd.gov)  
410-313-6287

*Cc: Community Hygiene Program  
File*

**Send Report To:**

Howard County Health Dept  
~~Bureau of Environmental Health~~  
 8930 Stanford Blvd  
 Columbia, MD 21045

State of Maryland  
 DHMH - Laboratories Administration

Division of Environmental Sciences  
**TRACE METALS LABORATORY**

1770 Ashland Avenue  
 Baltimore, Maryland 21205



**E18004246003**  
 Received: 05/24/2018  
 Metals HO-17-0278

**LABORATORY ANALYSIS REQUEST**

Do not write above this line

Please Print

*Digest*

Sample ID No: HO-17-0278 Site Name: Walker Meadows - Lot 32 County: Howard

Sample Source: Howard Lodge Dr. Sykesville Collector: S. Collins  
Street Town or City Name

Date Collected: 5/23/2018 Time Collected: 12:45 a.m. (p.m.) Phone #: 410-313-6287  
ps - 05-24-18

Sample Preserved By:  Field  ESRL  WMRL  Central Lab  
 Preservative Used:  HNO<sub>3</sub>          mL pH: <2 /

Sample Type:  Drinking Water  Landfill  Source (Raw Water)  Liquid  
 Data Category:  Community  Stream  Distribution (Treated)  Solid  
 Code   Non-Community  Sediment  Other           
4F  Private

Specify Program:  SDWA  NPDES  CWA  RCRA  Consumer Products  Other         

Type of Sample Preparation:  Total Metals  Total Metals TCLP  Dissolved Metals  
(field preparation required)

Remarks: field test

✓	Element	Lab Use	✓	Element	Lab Use	✓	Element	Lab Use
	Antimony (Sb)			Aluminum (Al)			Uranium (U)	
	Arsenic (As)			Calcium (Ca)			Vanadium (V)	
	Barium (Ba)			Cobalt (Co)			Zinc (Zn)	
	Beryllium (Be)			Copper (Cu)				
	Cadmium (Cd)			Iron (Fe)				
	Chromium (Cr)			Lead (Pb)				
	Mercury (Hg)			Magnesium (Mg)				
	Nickel (Ni)			Manganese (Mn)				
	Selenium (Se)			Molybdenum (Mo)				
✓	Sodium (Na)	<u>SNS</u>		Potassium (K)				
	Thallium (Tl)			Silver (Ag)				

Lab Supervisor: \_\_\_\_\_ Date Reported: \_\_\_\_\_

•Phone: (443) 681 - 4596

•Fax: (443) 681 - 4507