

MDE/WMA/PER.071

COUNTY

EMERGENCY/TEMP NO. IF ANY SEQUENCE NO. STATE PERMIT NUMBER STATE OF MARYLAND (MDE USE ONLY) MD 1280 4213 APPLICATION FOR PERMIT TO DRILL WELL 1. 2. 1. 1. please type fill in this form completely 2 Received (APA) LOCATION OF WELL Date B 3 OWNER INFORMATION COUN 8 23 SURDIVISIC SECTION 57 70 State DRILLER INFORMATION **B** 4 SOURCES OF DRILLING WATER 1.We 11 STREET ADDRS ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) N 3. 23 34 200 37 SOUTH B 2 WELL INFORMATION DISTANCE FROM ROAD APPROX. PUMPING RATE ENTER FT OR MI 38 30 (GAL. PER MIN.) 12 D PARCEL 60 BLK: AVERAGE DAILY QUANTITY NEEDED TAX MAP (GAL. PER DAY) 14 20 NOT TO BE FILLED IN BY DRILLER USE FOR WATER (CIRCLE APPROPRIATE BOX) HEALTH DEPARTMENT APPROVAL DOMESTIC POTABLE SUPPLY & RESIDENTIAL D RIGATION 3 FARMING (LIVESTOCK WATERING & AGRICULTURAL Towarc F COLREY NO **IRRIGATION**) COUNT STATE INDUSTRIAL, COMMERCIAL, DEWATERING 1 22 INSERT S SIGNATURE PUBLIC WATER SUPPLY WELL Ρ DATE ISSUED T TEST, OBSERVATION, MONITORING 3 **OPEN LOOP GEOTHERMAL** CO SIGNATUR 0 43 0.00 DÌ DNI CLOSED LOOP GEOTHERMAL C - - - - -184 DOG: 5/4/18 (50) DOM: 50 1201813 PROPOSED LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURES SUCH AS BUILDINGS, SEPTIC SYSTEM. FE APPROXIMATE DEPTH OF WELL ROADS AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCE MEASUREMENTS TO WELL NEAREST APPROXIMATE DIAMETER OF WELL INCH 2 Jong METHOD OF DRILLING (circle one) Jetted & DRIVEN BORED (or Augered) JETTED AIR-ROTary **ROTARY** (Hydraulic Rotary) 37 CABLE EVerse-ROTary **DRive-POINT** P.80',125 other REPLACEMENT OR DEEPENED WELLS (CIRCLE APPROPRIATE BOX) N S WELL WILL NOT REPLACE AN EXISTING WELL THIS WELL WILL REPLACE A WELL THAT WILL BE Y ABANDONED AND SEALED added THIS WELL WILL REPLACE A WELL THAT WILL BE USED S 39 pue AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY Pursuant to \$ 10-624 of the State Govt. Article of the Maryland Code, personal info requested on this form 45 FOR POLICY ON STANDBY WELLS 190 D 600 THIS WELL WILL DEEPEN AN EXISTING WELL 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 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPENED (IF AVAILABLE) 41 52 inspect, amend, or correct this form. The Maryland Not to be filled in by driller (MDE OR COUNTY USE ONLY) 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 HD2016GOD4 APPROP. PERMIT NUMBER 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. 17 - 0280 PERMIT No. SPECIAL CONDITIONS MUST USE SEPARATE SHEETE FREEDED NO AVOIR AND WELL EXTEND 01211 Into COPY extends, 50 10 at DY rast Geast q Way UDAVA **© COUNTY** DM any MDE/WMA/PER.071

7 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 21, 2018		
		Well Depth:	200	feet		
Customer	Elm Street Developn	nent	Permit #	HO-17-0280		
Road	Howard Lodge Drive	- -	Subdivision	Walker Meadows		
City	Clarksville	-	Section			
State	Maryland	-	Lot #	34		

Time	Water Level In Feet	Time to Fill 1-gallon bucket seconds	G.P.M.
2:15 PM	3	5	12.00
2:30 PM	37	5	12.00
2:45 PM	55	5	12.00
3:00 PM	74	5	12.00
3:15 PM	85	5	12.00
3:30 PM	85	5	12.00
3:45 PM	85	5	12.00
4:00 PM	85	5	12.00
4:15 PM	85	5	12.00
4:30 PM	85	5	12.00
4:45 PM	85	5	12.00
5:00 PM	85	5	12.00
5:15 PM	85	5	12.00
	ormational purposes only. Please ated above is not a guarantee.	note the yield may increase or decreas	e

Page 0. Date 05/24	F 1 2018		Review	CABAHUG			
FIELD DATA SHEET							
HOWARD COUNTY WELL YIELD TEST							
Well Permit No. HO - 17-0280 Location of property (road) HOWARD LODGE Subdivision WALKER MOADOWS Lot 34 Block WA Plat N/A Sec. N/A Well Driller BARLOW Owner N/A							
Depth of well Distance of measuring point (M.P.) above ground Static water level (S.W.L.) below M.P.							
I. High rate pumping reserveir drawdown Time pump started 4.00 DeAw DOrumping Fate Total time to reach pumping water level ft. below M.P.							
II. Recovery	pump test data -	observations to be	recorded every 15 minu	tes			
TIME (in 15 minute in- tervals	WATER LEVEL below M.P.	PUMPING RATE time to fill 5 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)			
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HD-224



Bureau of Environmental Health 8930 Stanford Blvd | Columbia, MD 21045 410.313.2640 - Voice/Relay 410.313.2648 - Fax 1.866.313.6300 - Toll Free

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: us hell Amont whiter TVE elephone # Address: Druge Must circle one: Licensed Plumber / Licensed Well Driller / Licensed Well Pump Installer License # and name of individual responsible for the field installation: License# MSD220 Name (Print): ANTA *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. Telephone #: Name of Property Owner: Subdivision: Walker meliac Lot #: 5 Well Tag #: HO -Site Address: 17249 Manalono V Well Cap and Electric Conduit Submersible Pump Data Pitless Adapter Make: <u>[[amphe]]</u>+ Model#: N/+ Make: Unide Two piece watertight cap: Screened, vented well cap: Model #: GPM Depth: 36" min) Cap secured to casing: **Pump Capacity** 17 GPM NSF/WSC approved: Conduit min 18" B.G.: Well Yield: Depth of well encountered at time of pump installation: 70((feet) Conduit secured to well cap: 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 **House Connection** Piping to house PVC sleeve to undisturbed soil at wall penetration: Length of sleeve(5' minimum from foundation):)(160 psi min PSI: Depth of supply line: Sleeve sealed properly: (36" min) 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 date For Health Department Use Only - Not to be completed by Installer 9/15/26 Date Insp. Approved: 9/15/20 Date Msp. Requested: Inspector: Pitless adapter watertight & water supply line at least 36" below grade Inspection Data: 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

(Revised form 10/24/2018)

Website: www.hchealth.org Face and www.hacebook.com/hocohealth Twitter: @HoCoHealth

Water supply line sleeved adequately at house connection

adequate grout observed below pitless adapter



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:

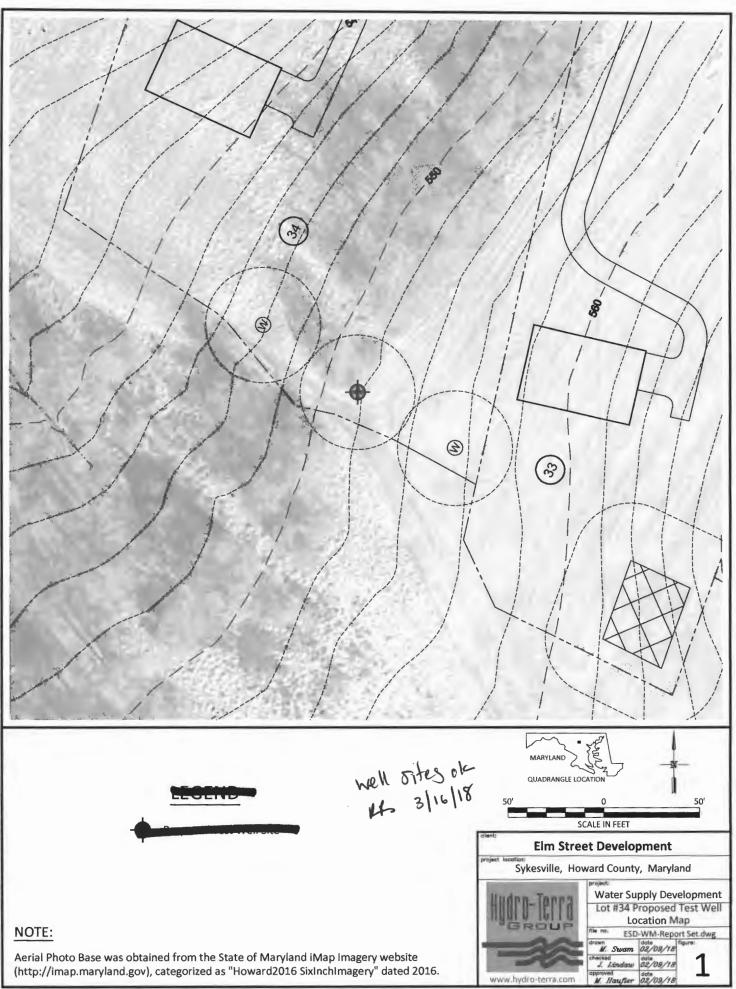
Well Site Location:

- STEPPING PLACE WALKER MEADOWS 22-32,34, BPP'A'-MANAPPLE DRIVE Road Name Subdivision/Property Name

The well site has been staked by $\underline{DEVELOPMENT DESIGN CONSULTANTS}$ (professional land surveyor or company employing professional land surveyors) on $2 \cdot O9 \cdot 2018$ (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.



H:IProjectsIEIm Street DevelopmentIWalker MeedowsICADD/ESD-WM-Report Set dwg

Plotted on: February 9, 2018



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

INTERIM CERTIFICATE OF POTABILITY

Expiration Date - May 6, 2021

November 6, 2020

Homeowner 12249 Mayapple Drive West Friendship, MD 21794

RE: Walker Meadows, Lot 34 12249 Mayapple Drive Building Permit: B20002097 Well Permit: HO-17-0280

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 11/5/2020. Final approval of the well line connection to the dwelling was granted on 9/15/2020. The well construction was completed on 5/21/2018. Water samples were collected on 10/27/2020, 11/4/2020.

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-17-0280. 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 "<u>Homeowner Fact Sheet</u>" which illustrates a better understanding for your Onsite Sewage Disposal System. You will also find a link to Maryland Department of the Environments website which describes in further detail operation and maintenance of your septic system.

Approving Authority,

- h. Vill

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 Tancytown Rd. Westminster, MD (410) 848-1014 (410) 876-4554 FAX (410) 848-0298

REPORT OF ANALYSIS

Laboratorv ID #: Reference:	140779 Walker Meadow	vs Lot 34		Account #: Company:	1933 Fogles Well Pu	imp & Treatment
Location:	12249 Mayapple Sykesville, MD			Requested By: Source:	Dave Fogle Well Water	
Date/ Time Collected: Date/Time Rec'd:	•	0730 0935		Site: Treatment:	Kitchen Sink None	
Chlorine ppm: Collected By:	Free: ND J. Evans	Total: 0309J		pH: Well #:	6.1 HO-17-0280	
Bacteria, Coliform, Total,	MPN	5.3	MPN/ 100 ml	<1.0	SM20 9223B	10/28/2020 / 0900 / CRS
Bacteria, E. coli, MPN		<1.0	MPN/ 100 ml	<1.0	SM20 9223B	10/28/2020 / 0900 / CRS
Nitrate		1.80	mg/L	10	601	10/27/2020 / 1100 / CRS

<10

5

SM20 2130B

Visual/Gravimetric

10/27/2020 / 1150 / CRS

10/27/2020 / 1150 / CRS

NTU

mg/L

NOTES

Turbidity

Sand

- 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.

1.40

ND

- 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 Visual well check: Sealed, vented cap
- 8 pH and Chlorine level tested in lab (pH tested after recommended holding time)

Reason for Test :Use & OccupancyBuilding Permit # :B200002097

Date Reported: 10/28/2020

FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

1413 Old Taneytown Rd. Westminster, MD (410) 848-1014 (410) 876-4554 FAX (410) 848-0298

REPORT OF ANALYSIS

Laboratorv ID #: Reference: Location: Date/ Time Collected: Date/Time Rec'd: Chlorine ppm: Collected By:	140989 Walker Meadows I 12249 Mayapple D Sykesville, MD 21 11/4/2020 11/4/2020 Free: ND B. Wilkerson	Drive	Account #: Company: Requested By: Source: Site: Treatment: pH: Well #:	0	ump & Treatment
Bacteria, Coliform, Total,	MPN <1.0) MPN/ 100 m	1 <1.0	SM20 9223B	11/5/2020 / 0900 / CRS
Bacteria, E. coli, MPN	<1.0	0 MPN/ 100 m	1 <1.0	SM20 9223B	11/5/2020 / 0900 / CRS

NOTES

- 1 MPN/ 100 ml = Most Probable Number [of viable bacteria] per 100 ml of sample.
- 2 Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- 3 Sample collected by client, analyzed as received
- 4 ND:None Detected
- 5 Visual well check: Sealed, vented cap
- 6 pH and Chlorine level tested in lab (pH tested after recommended holding time)

Reason for Test :Use & OccupancyBuilding Permit # :B20002097

Date Reported: <u>11/5/2020</u>

MD State Certification # 133

Dich | Prop. Lot 2 Tot 3498 FILE INQUIRY NOTES DATE **RESULTS OF REVIEW FOR FILE** 6/25 casing requiremen Casing must be stee depth, or 10 feet in Juwhichever is don to 30-foot set casing 10 feet into competent bedrock, ichever is deeper. × à ÷ ,