

(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS) **FILL IN THIS FORM COMPLETELY PLEASE TYPE** COUNTY NUMBER **13**

**ST/CO USE ONLY** DATE RECEIVED **12-16-23** DATE WELL COMPLETED **11-21-23** Depth of Well **400** PERMIT NO. FROM "PERMIT TO DRILL WELL" **HC-21-0324**

OWNER **...** WELL SITE ADDRESS **...** TOWN **...** SUBDIVISION **0** SECTION **...** LOT **...**

**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	
<i>...</i>	<i>12</i>	<i>57</i>	

**GROUTING RECORD**

WELL HAS BEEN GROUTED (Circle Appropriate Box) **Y** **N**

TYPE OF GROUTING MATERIAL (Circle one)  
CEMENT **CM** BENTONITE CLAY **BC**

NO. OF BAGS **36** NO. OF POUNDS **171**

GALLONS OF WATER **...**

DEPTH OF GROUT SEAL (to nearest foot)  
from **0** TOP **52** ft. to **400** BOTTOM **58** ft.  
(enter 0 if from surface)

**CASING RECORD**

casing types insert appropriate code below

**ST** STEEL **CO** CONCRETE  
**PL** PLASTIC **OT** OTHER

MAIN CASING TYPE

Nominal diameter top (main) casing (nearest inch)	Total depth of main casing (nearest foot)
<b>60</b>	<b>70</b>

**OTHER CASING (if used)**

EACH CASING	diameter inch	depth (feet) from	to

**SCREEN RECORD**

screen type or open hole (insert appropriate code below)

**ST** STEEL **BR** BRASS **HO** OPEN HOLE  
**PL** PLASTIC **OT** OTHER

NUMBER OF UNSUCCESSFUL WELLS: **0**

WELL HYDROFRACTURED **Y** **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. **MW D 18**

DRILLERS SIGNATURE *...*

LIC. NO. **D**

**C 2** DEPTH (nearest ft.)

E	1	8	9	11	15	17	21
A							
C	2	23	24	26	30	32	36
H							
S	3	38	39	41	45	47	51
R							
E							
E							
N							

SLOT SIZE 1 **2** 3

DIAMETER OF SCREEN (NEAREST INCH)  
from **58** 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

**C 3** **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)

**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**/**36**

PUMP HORSE POWER **37**/**41**

PUMP COLUMN LENGTH (nearest ft.) **43**/**47**

CASING HEIGHT (circle appropriate box and enter casing height)

**+** above } LAND SURFACE (nearest foot)  
**-** below }

LATITUDE **39.25624**  
LONGITUDE **76.79421**  
(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.

**B 1** T2221 SEQUENCE NO. (MDE USE ONLY) **STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL** please type **STATE PERMIT NUMBER** HO-20-0329  
70 fill in this form completely 79

**1 2 3 6** **Date Received (APA)**  
**8** MM **DD** YY **13**  
**15** Last Name **Owner** First Name **34**  
 3122 Edgewood Road  
**36** Street or RFD **55**  
 Edgewater City MD 21033  
**57** Town **70** State **72** Zip **76**

**B 3** **LOCATION OF WELL**  
 Howard  
**8** COUNTY **21**  
 The Oaks  
**23** SUBDIVISION **42**  
 SECTION **44** **46** LOT **21** **48** **50**  
 Edgewater City  
**52** NEAREST TOWN **71**

**DRILLER INFORMATION**  
 W. W. Wolfe M.A.D. 598  
**Driller's Name** **76** License No. **81**  
 W. W. Wolfe Well Drilling  
**Firm Name**  
 10131123  
**Address**  
 W. W. Wolfe 10131123  
**Signature** **Date**

**B 4** **SOURCES OF DRILLING WATER**  
 1. Public  
 2.  
 3.  
 3122 Edgewood Rd  
**11** STREET ADDRESS **30**  
**ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)**  
 NORTH  
 WEST EAST  
 SOUTH  
 34 70 37  
**DISTANCE FROM ROAD**  
 ENTER FT OR MI **38** **39**  
 TAX MAP: 001's BLK: PARCEL 0072

**B 2** **WELL INFORMATION**  
**APPROX. PUMPING RATE (GAL. PER MIN.)**  
**1** **2** **8** **12**  
**AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY)**  
**14** **20**

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

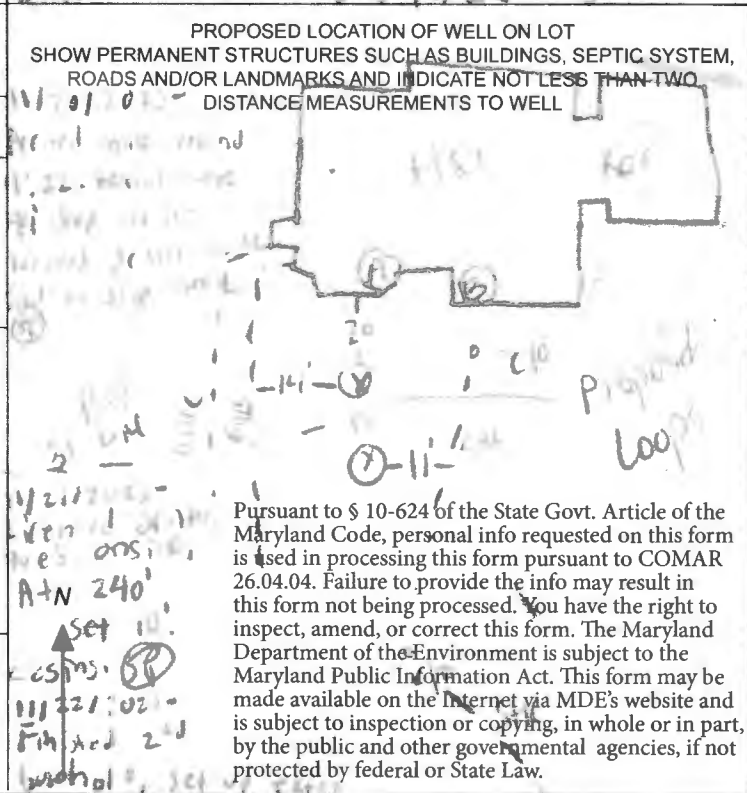
**NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL**  
 Howard 13  
**COUNTY NAME** **COUNTY NO.**  
 STATE SIGNATURE INSERT S → **41**  
 DATE ISSUED 11/15/2023 8h Pa - 11/15/2024  
**43** MM **DD** YY **48** **CO SIGNATURE** **EXP. DATE**  
 DON: W2012023 DOB: 11/23/2023

**APPROXIMATE DEPTH OF WELL** 400 FEET  
**24** **28**  
**APPROXIMATE DIAMETER OF WELL** 6 INCH  
**NEAREST**

**METHOD OF DRILLING (circle one)**  
 BORED (or Augered) JETTED Jetted & DRIVEN  
 AIR-ROTA  AIR-PERCussion  ROTARY (Hydraulic Rotary)  
 CABLE  REVerse-ROTAry  DRive-POINT  
 other

**REPLACEMENT OR DEEPEENED WELLS (CIRCLE APPROPRIATE BOX)**  
 THIS WELL WILL NOT REPLACE AN EXISTING WELL  
 THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED  
 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 DEEPEEN AN EXISTING WELL  
**PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEENED (IF AVAILABLE)** **41** **52**

**Not to be filled in by driller (MDE OR COUNTY USE ONLY)**  
**APPROP. PERMIT NUMBER** G  
**PERMIT No.** HO-20-0329  
**70** **71** **72** **73** **74** **75** **76** **77** **78** **79**



**SPECIAL CONDITIONS** Grout from bottom to top  
 NOTE: APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED.

A	B
21'	24'
35'	37'


# Allied

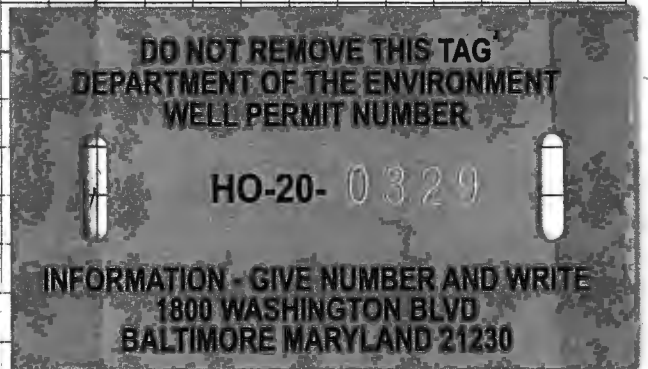
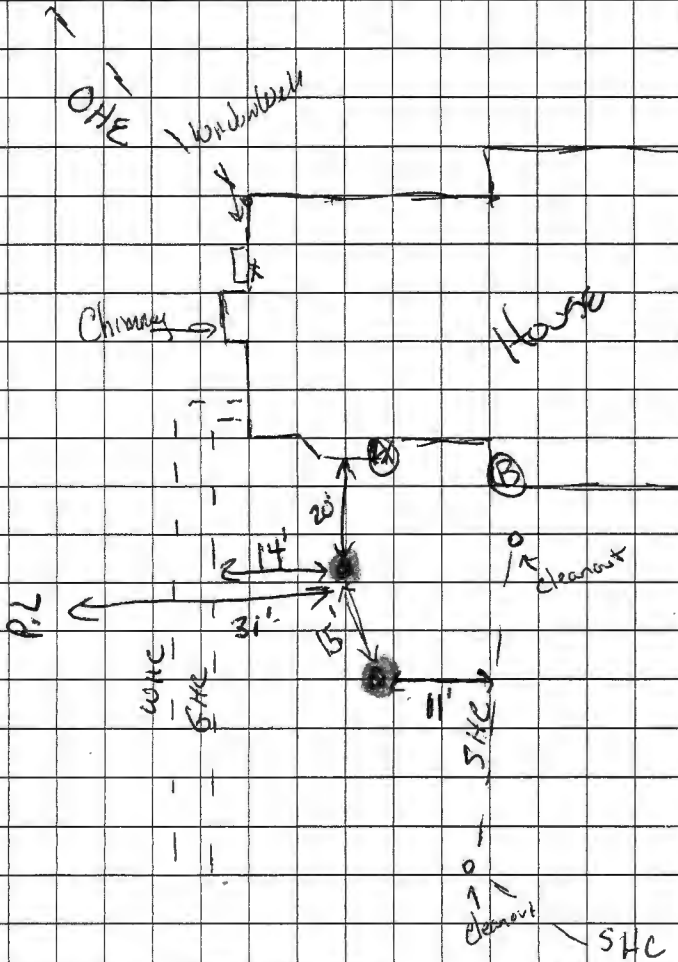
WELL DRILLING

## SITE PLAN

3122 Edgewood Rd  
 Ellicott City Md

2 wells @ 400' each  
 closed loop geothermal

Well site  
 Approved   
 11/15/2023



Sediment Control Protocol: SILT FENCE

Distance From House: 20'  
 From Septic: N/A  
 From Sewer: 11'  
 From Property Line: 31'  
 From Street: 50'+

Trees Nearby: Yes  
 Utility Issues: Yes, Hand digging  
 Mats Needed: Yes  
 Access For H/U: Yes  
 Neighboring Tags: See Comps

Comments: Hand dig gas & water. Sump pump & down spout along house in trench area

Person Completing Form: Wes Wolfe

## Page, Shepsura

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**From:** Page, Shepsura  
**Sent:** Wednesday, November 8, 2023 4:25 PM  
**To:** Wes Wolfe  
**Cc:** Wolf, Kevin  
**Subject:** 3122 Edgewood Road- Well Permit Status

Hey Wes,

Your plan for 3122 Edgewood Road looks good. After visiting the site, I saw your well stakes, but no indicators of the SHC, GHC, or WHC. Please have all three staked/painted. I'll visit the site again to confirm your wells are not on the connections.

Thanks,

Shepsura Page, EH Specialist  
Well & Septic Program  
Howard County Health Department  
8930 Stanford Blvd.  
Columbia, MD 21045  
410-313-1789 (Office)  
410-313-2648 (Fax)  
[www.hchealth.org](http://www.hchealth.org)  
[spage@howardcountymd.gov](mailto:spage@howardcountymd.gov)



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## **HOWARD COUNTY GROUTING PROCEDURE**

Boreholes will be grouted from the bottom to the top via a tremie pipe and positive displacement pump. Bentonite grout, known as Quik-Grout will be used according to the manufacturer's specifications to achieve a consistency of at least 20% solids (24 gallons potable water/50 lb. sack of grout) and a permeability no more than  $2.5 \text{ E}(-08) \text{ cm/sec}$ . Grouting will be completed immediately after installing the geothermal loop and no later than twenty-four (24) hours after installing the geothermal loop. Open boreholes/annular space will be protected as necessary to prevent the entry of surface water or pollutants.

GRADE

EACH BORE HOLE (TYP.)

SEE PLAN  
HORIZONTAL BORE  
DEPTH 4 FT

FOR CONT.  
SEE PLANS

HORIZONTAL  
PIPING

GROUT ENTIRE ANULAR  
SPACE AND VERTICAL  
U-TUBE WITH (BENTONITE,  
GROUT.

BORE DEPTH

TAPE

5' TO 10' FOOT SECTION OF  
REBAR TO GUIDE TUBE  
INTO BORE DURING  
INSTALLATION

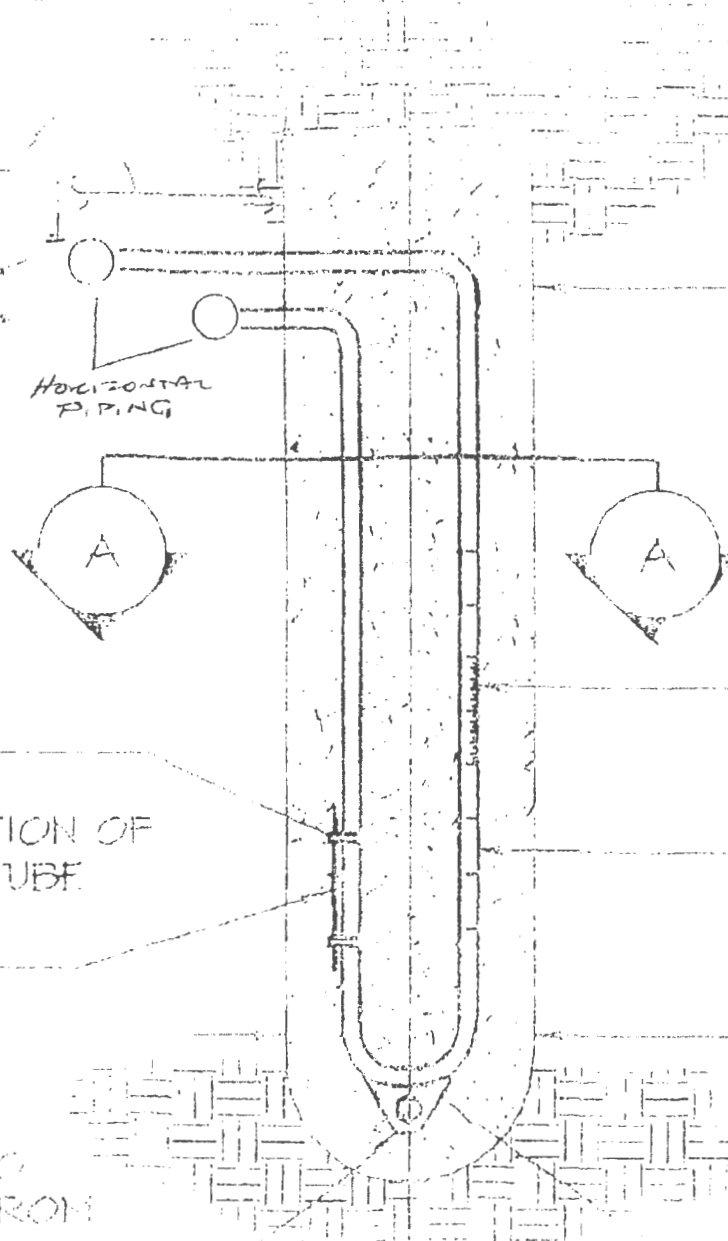
DEPTH MARKINGS IN FEET TO  
INDICATE DEPTH OF INSERTION

TYPICAL VERTICAL U-TUBE  
6.0 INCHES

TYPICAL BORE DIAMETER  
6.0 INCHES

ANCHOR FITTINGS TO  
PREVENT U-TUBE FROM  
SURFACING WITH  
INSTALLATION

SEE PLAN FOR BORE SPACING



# FILE INQUIRY NOTES

DATE	RESULTS OF REVIEW FOR FILE
11/15/23	SHC, GHC, & WHC all printed. Connections not in the way of
	geowells. Released permit same day. (SP)