



# HOWARD COUNTY HEALTH DEPARTMENT

71493

DATE 4/12/22

WS

Received From

PHONE #

717-642-5963

Alexander's Well Supply

For

Well Permit / 1715

CASH

CHECK

Anchor Glen

NO.

221040

One hundred sixty Dollars

\$

100.00

Received By

A King

C1 060129

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)

FILL IN THIS FORM COMPLETELY PLEASE TYPE

COUNTY NUMBER 13

ST/CO USE ONLY

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

DATE Received MM 08 DD 29 YY 22

MM 07 DD 28 YY 22 450 26 (TO NEAREST FOOT)

Ho-20-0173

OWNER HALSEY HARLEY REBECCA WELL SITE ADDRESS 1715 ARCHERS GLEN TOWN SYKESVILLE SUBDIVISION SECTION LOT

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries for TAN OVERBURDEN, GRAY PHYLLITE GNEISS, and 33 BAGS IN BORE HOLE.

GROUTING RECORD section including CEMENT (CM), BENTONITE CLAY (BC), NO. OF BAGS (53), NO. OF POUNDS (2650), and CASING RECORD (ST).

OTHER CASING (if used) section with diameter and depth fields.

SCREEN RECORD section including screen type (ST) and diameter of screen (60).

DEPTH (nearest ft.) section with a grid for recording depth intervals and grouting details.

MDE USE ONLY section for well completion details like GRAVEL PACK, MDE USE ONLY (T, W, Q), and TELESCOPE CASING.

PUMPING TEST section with fields for HOURS PUMPED, PUMPING RATE, WATER LEVEL, and TYPE OF PUMP USED.

PUMP INSTALLED section with fields for DRILLER INSTALLED PUMP, TYPE OF PUMP INSTALLED, CAPACITY, and PUMP HORSE POWER.

LATITUDE 39.323506 LONGITUDE 76.964527 (DEFAULT COORD. WGS 84) Pursuant to §10-624 of the State Govt. Article of the Maryland Code...

C1 66716 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 13

1 2 3 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

ST/CO USE ONLY DATE Received MM DD YY 08 29 22

DATE WELL COMPLETED MM DD YY 07 28 22 Depth of Well 450 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" H0-20-0173

OWNER HALSEY HARLEY REBECCA WELL SITE ADDRESS 1715 ARCHERS GLENN TOWN SYKESVILLE SUBDIVISION SECTION LOT

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. Includes entries: TAN OVERBURDEN 0 75 X, GRAY PHYLLITE GNEISS 75 450 X, 19 BAGS BENTONITE AROUND WELL CASING, 36 BAGS BENTONITE IN BOREHOLE, #2 OF 4 CLOSED LOOP GEOTHERMAL BOREHOLES.

GROUTING RECORD yes no Y N

WELL HAS BEEN GROUTED (Circle Appropriate Box) TYPE OF GROUTING MATERIAL (Circle one) CEMENT CM BENTONITE CLAY BC NO. OF BAGS 55 NO. OF POUNDS 2750 GALLONS OF WATER 990 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 450 ft.

CASING RECORD casing types insert appropriate code below ST STEEL CO CONCRETE PL PLASTIC OT OTHER

MAIN CASING TYPE ST Nominal diameter top (main) casing (nearest inch) 8.6 Total depth of main casing (nearest foot) 82

OTHER CASING (if used) diameter inch 1.5 depth (feet) from to 14 GEOTHERMAL LOOP

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

DEPTH (nearest ft.) OT BENTONITE GROUTED

SCREEN RECORD (continued) SLOT SIZE 1 2 3 DIAMETER OF SCREEN 6 (NEAREST INCH)

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 CLOSED LOOP GEOTHERMAL 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 YES NO (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) + above LAND SURFACE - below (nearest foot) 49 50 51

LATITUDE 39.323562 LONGITUDE 76.964573 (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.

C1 66720 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 13

ST/CO USE ONLY DATE RECEIVED MM 08 DD 27 YY 13

DATE WELL COMPLETED MM 07 DD 28 YY 22 APPROVED 09/01/2022 Depth of Well 450 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-20-0173

OWNER HALSEY HARLEY REBECCA WELL SITE ADDRESS 1715 ARCHERS GLENN TOWN SYKESVILLE SUBDIVISION SECTION LOT

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. Includes handwritten entries: TAN OVERBURDEN 0-95, GRAY PHYLLITE GNEISS 95-450, 24 BAGS BENTONITE AROUND WELL CASING, 32 BAGS BENTONITE IN BOREHOLE, #3 OF 4.

GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box) YES Y NO N. TYPE OF GROUTING MATERIAL (Circle one) CEMENT CM BENTONITE CLAY BC. NO. OF BAGS 56 NO. OF POUNDS 2600. GALLONS OF WATER 1008. DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 450 ft.

CASING RECORD casing types insert appropriate code below. MAIN CASING TYPE ST Nominal diameter top (main) casing (nearest inch) 66 Total depth of main casing (nearest foot) 102.

OTHER CASING (if used) diameter inch 1.5 depth (feet) from to 102. OTHER CASING TYPE GEOTHERMAL LOOP.

SCREEN RECORD screen type or open hole insert appropriate code below. SCREEN RECORD ST STEEL BR BRASS HO OPEN HOLE PL PLASTIC OT OTHER.

DEPTH (nearest ft.) C2 OT BENTONITE GROUTED. TABLE with columns: E, A, C, H, S, R, E, N. SLOT SIZE 1 2 3. DIAMETER OF SCREEN 6 (NEAREST INCH).

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.

C3 CLOSED LOOP GEOTHERMAL 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 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 (nearest foot).

LATITUDE 39.322837 LONGITUDE 76.965116 (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.

C1 - 66721 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)

FILL IN THIS FORM COMPLETELY PLEASE TYPE

COUNTY NUMBER 13

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED 07 28 22 APPROVED HARLEY REBELLA

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO - 20 - 0173

OWNER HALSEY WELL SITE ADDRESS 1715 ARCHERS GREEN TOWN SYKESVILLE

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries for TAN OVERBURDEN, GRAY PHYLLITE, and BENTONITE.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL (CM, BC), NO. OF BAGS (55), NO. OF POUNDS (2750).

CASING RECORD: MAIN CASING TYPE (ST), Nominal diameter (100), Total depth (6).

OTHER CASING (if used): 1 1/2 GEOTHERMAL COOP.

SCREEN RECORD: screen type or open hole (ST, BR, HO).

DEPTH (nearest ft.) table with rows for ACCHS, R, E, N and slot size/diameter of screen.

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

PUMPING TEST: CLOSED LOOP GEOTHERMAL. HOURS PUMPED, PUMPING RATE, METHOD USED TO MEASURE PUMPING RATE.

PUMP INSTALLED: DRILLER INSTALLED PUMP (YES/NO), TYPE OF PUMP INSTALLED, CAPACITY, PUMP HORSE POWER, PUMP COLUMN LENGTH.

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED (Y/N) CIRCLE APPROPRIATE LETTER (A, E, P)

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

DRILLERS LIC. NO. 1 MWD 576 DRILLERS SIGNATURE WILLIAM L. HERTZ - DRILLER

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

LATITUDE 39.323546 LONGITUDE 76.964535 (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.

TAG = 620

B 1 **25248** SEQUENCE NO. (MDE USE ONLY) STATE OF MARYLAND STATE PERMIT NUMBER  
 1 2 3 6  
 APPLICATION FOR PERMIT TO DRILL WELL  
 571493 please type HO-20-0173  
 70 fill in this form completely 79

Date Received (APA) 04/12/22  
 8 MM DD YY 13  
**OWNER INFORMATION**  
 15 Last Name Halsey, Harley & Rebecca Owner First Name 34  
 36 Street or RFD 1715 Archers Glen 55  
 57 Town Sykesville MD 21784 70 State 72 Zip 76

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

**DRILLER INFORMATION**  
Randall Alexander M D 5716  
 Driller's Name 76 License No. 81  
Alexander's Well Drilling  
 Firm Name  
126 West Main Street  
 Address P.O. Box 413 Fairfield, PA 17320  
Randall Alexander 3-31-22  
 Signature Date

B 4 **SOURCES OF DRILLING WATER**  
 1 Well Water  
 2.  
 3.  
1715 Archers Glen  
 11 STREET ADDRESS 30  
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
 NORTH  
 N  
 WEST 32 EAST  
 S SOUTH  
 34 100 37  
 DISTANCE FROM ROAD Ft  
 ENTER FT OR MI 38 39  
 TAX MAP: 0009 BLK: 0022 PARCEL 0301

B 2 **WELL INFORMATION**  
 1 2 APPROX. PUMPING RATE (GAL. PER MIN.) 8 12  
 0  
 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 14 20  
 0

**USE FOR WATER** (CIRCLE APPROPRIATE BOX)  
 D DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION  
 F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)  
 I INDUSTRIAL, COMMERCIAL, DEWATERING  
 P PUBLIC WATER SUPPLY WELL  
 T TEST, OBSERVATION, MONITORING  
 O OPEN LOOP GEOTHERMAL  
 C CLOSED LOOP GEOTHERMAL  
 22 6/24/22 - working on 3rd bore - 120' deep, bedrock - 100' casing - 100' water @ 110-115' bores 1 & 2 grouted w/ bentonite

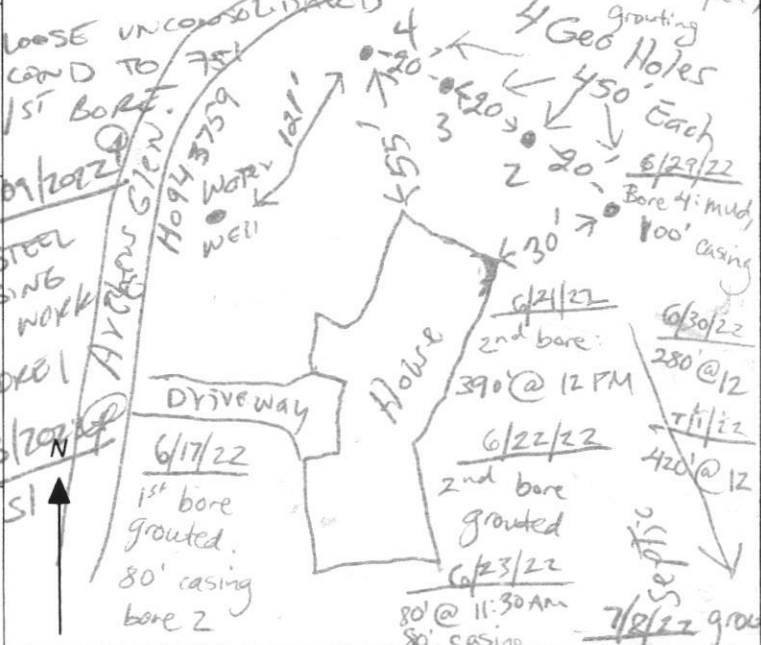
**NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL**  
Howard COUNTY NAME COUNTY NO. 13  
 STATE SIGNATURE DATE ISSUED 04/19/22  
 43 MM DD YY 48 CO SIGNATURE Dana Thomas EXP. DATE 04/19/22  
 DON: 06/08/2022 DOG: 6/24/22

4 Bore Holes  
 APPROXIMATE DEPTH OF WELL 450' FEET Each  
 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  
 06/08/2022 6/28/22

**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)  
 N THIS WELL WILL NOT REPLACE AN EXISTING WELL  
 Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED  
 S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS  
 D THIS WELL WILL DEEPEN AN EXISTING WELL  
 39 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41



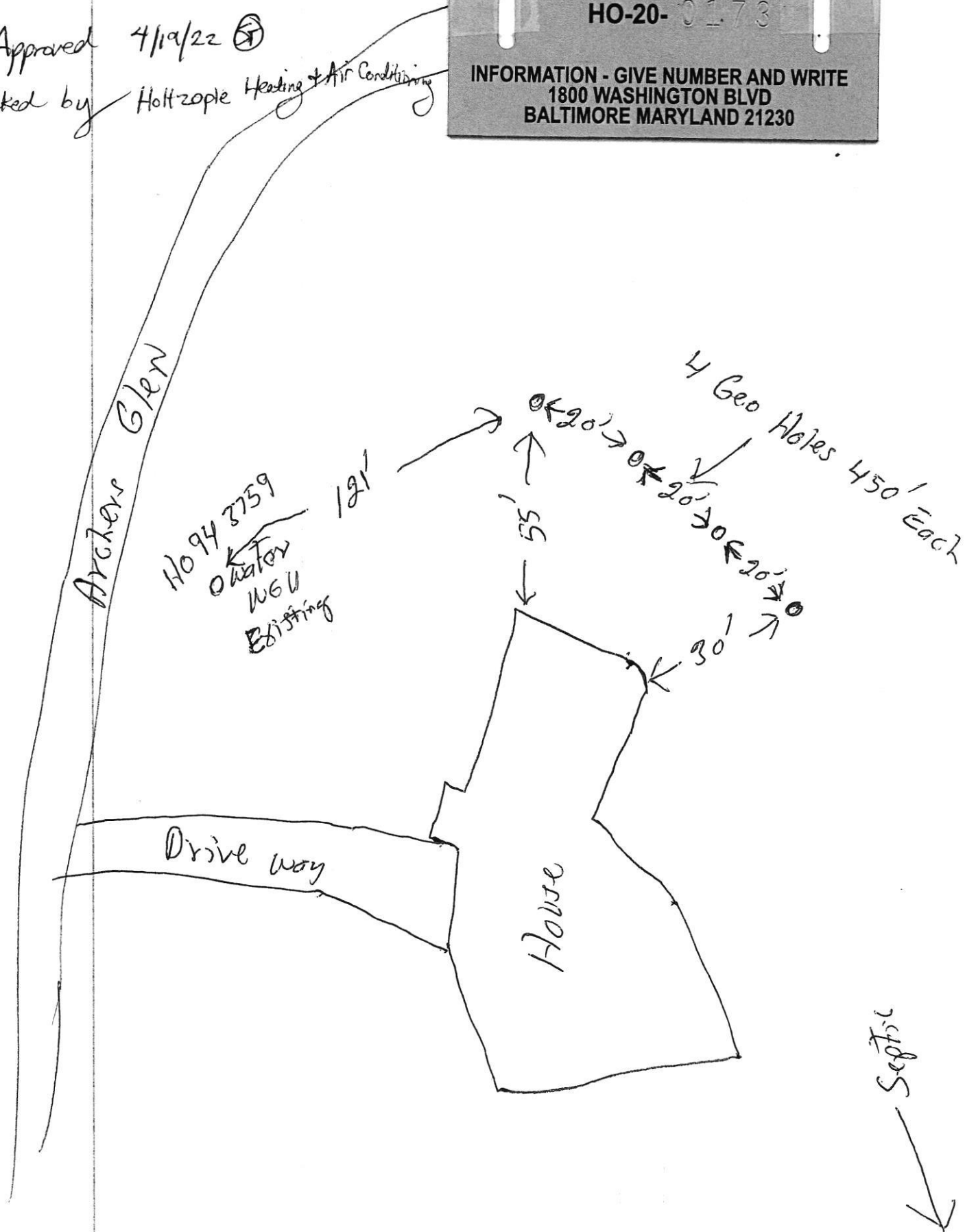
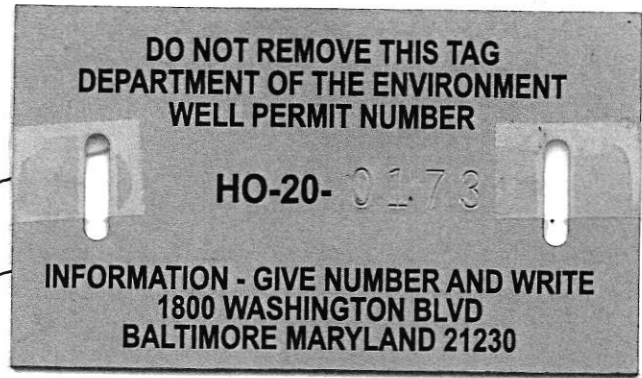
**Not to be filled in by driller (MDE OR COUNTY USE ONLY)**  
 APPROP. PERMIT NUMBER \_\_\_\_\_ G \_\_\_\_\_  
 PERMIT No. HO-20-0173  
 70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS: PROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED- GROUT FROM BOTTOM TO TOP truck bore

Harley and Rebecca Halsey  
1715 Archers Glen  
Sykesville Md 21784

Approved 4/19/22

Staked by Holtzopfe Heating & Air Conditioning



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:

Harley by Rebecca Halsey      1715      Archer's Glen  
Subdivision/Property Name      Lot #      Road Name

The well site has been staked by Holtzople Heating by Air Conditioning  
(professional land surveyor or company employing professional land surveyors)  
on 3/31/22 (date)

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.

Revised 9/20/21