



HOWARD COUNTY HEALTH DEPARTMENT

74970
WS

DATE
7/26/23

Received From

Allison Environmental Services Inc. PHONE #

For

12/11

CASH

CHECK

NO. 30155

3018 CHESTER KING DRIVE

One hundred + Sixty Dollars — 160

Dollars

\$ 160 00

Received By

V. DeKaney

C1 70231

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

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

OWNER, WELL SITE ADDRESS, 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 like 'Sand - Blowy', 'Red shale', 'Blue shale', 'Lm shale'.

GROUTING RECORD YES NO

WELL HAS BEEN GROUTED (Y/N), TYPE OF GROUTING MATERIAL (CEMENT/BENTONITE CLAY), NO. OF BAGS, NO. OF POUNDS, GALLONS OF WATER, DEPTH OF GROUT SEAL

CASING RECORD (ST/CO/PL/OT) MAIN CASING TYPE, Nominal diameter top (main) casing, Total depth of main casing

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

SCREEN RECORD (ST/BR/PL/HO/OT) screen type or open hole, insert appropriate code below

DEPTH (nearest ft.) table with columns 1-21 and rows A-C-S-R-E-N

NUMBER OF UNSUCCESSFUL WELLS:

WELL HYDROFRACTURED (Y/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. 1 M D SIGNATURE

LIC. NO. 1 D

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

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

C 3 PUMPING TEST

HOURS PUMPED, PUMPING RATE, METHOD USED TO MEASURE PUMPING RATE, WATER LEVEL, BEFORE PUMPING, WHEN PUMPING, TYPE OF PUMP USED

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)

PUMP HORSE POWER

PUMP COLUMN LENGTH (nearest ft.)

CASING HEIGHT (circle appropriate box and enter casing height) LAND SURFACE (nearest foot)

LATITUDE 39.26541 LONGITUDE 76.27441 (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 SEQUENCE NO. (MDE USE ONLY) STATE OF MARYLAND STATE PERMIT NUMBER
 APPLICATION FOR PERMIT TO DRILL WELL HO - 20 - 0294
 please type 514170 70 fill in this form completely 79

OWNER INFORMATION
 Date Received (APA) 7/31/23
 8 DD YY 13
 15 Last Name Matz Eric + Sara
 Owner First Name 34
 36 Street or RFD 3718 Chateau Ridge Dr
 55
 57 Town Ellicott City MD 24012
 70 State 72 Zip 76

B 3 LOCATION OF WELL
 8 COUNTY Howard 21
 23 SUBDIVISION Chateau Ridge E C 42
 SECTION 44 46 LOT 5 50
 52 NEAREST TOWN Ellicott City 71

DRILLER INFORMATION
 76 Driller's Name Wesley Woke M D 578 License No. 81
 Firm Name Atled Well Drilling
 Address PO Box 129 Annapolis Junction MD 20701
 Signature Wesley Woke Date 07/26/23

B 4 SOURCES OF DRILLING WATER
 1. Public 11 STREET ADDRESS 3718 Chateau Ridge Dr 30
 2. ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 3. NORTH N WEST W EAST E SOUTH S
 34 150' 37 DISTANCE FROM ROAD
 ENTER FT OR MI 38 39
 TAX MAP 0023 BCK: PARCEL 00515

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

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 2 loops

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
 COUNTY NAME Howard COUNTY NO. 13
 STATE SIGNATURE _____ INSERT S →
 DATE ISSUED 7/31/23 WNA 7/31/24
 43 MM DD YY 48 CO SIGNATURE EXP. DATE

APPROXIMATE DEPTH OF WELL 320 FEET
 24 28
 APPROXIMATE DIAMETER OF WELL 6 INCH
 NEAREST

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

METHOD OF DRILLING (circle one)
 BORED (or Augered) JETTED Jetted & DRIVEN
 30 AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary)
 31 CABLE REVerse-ROTary DRive-POINT
 other _____



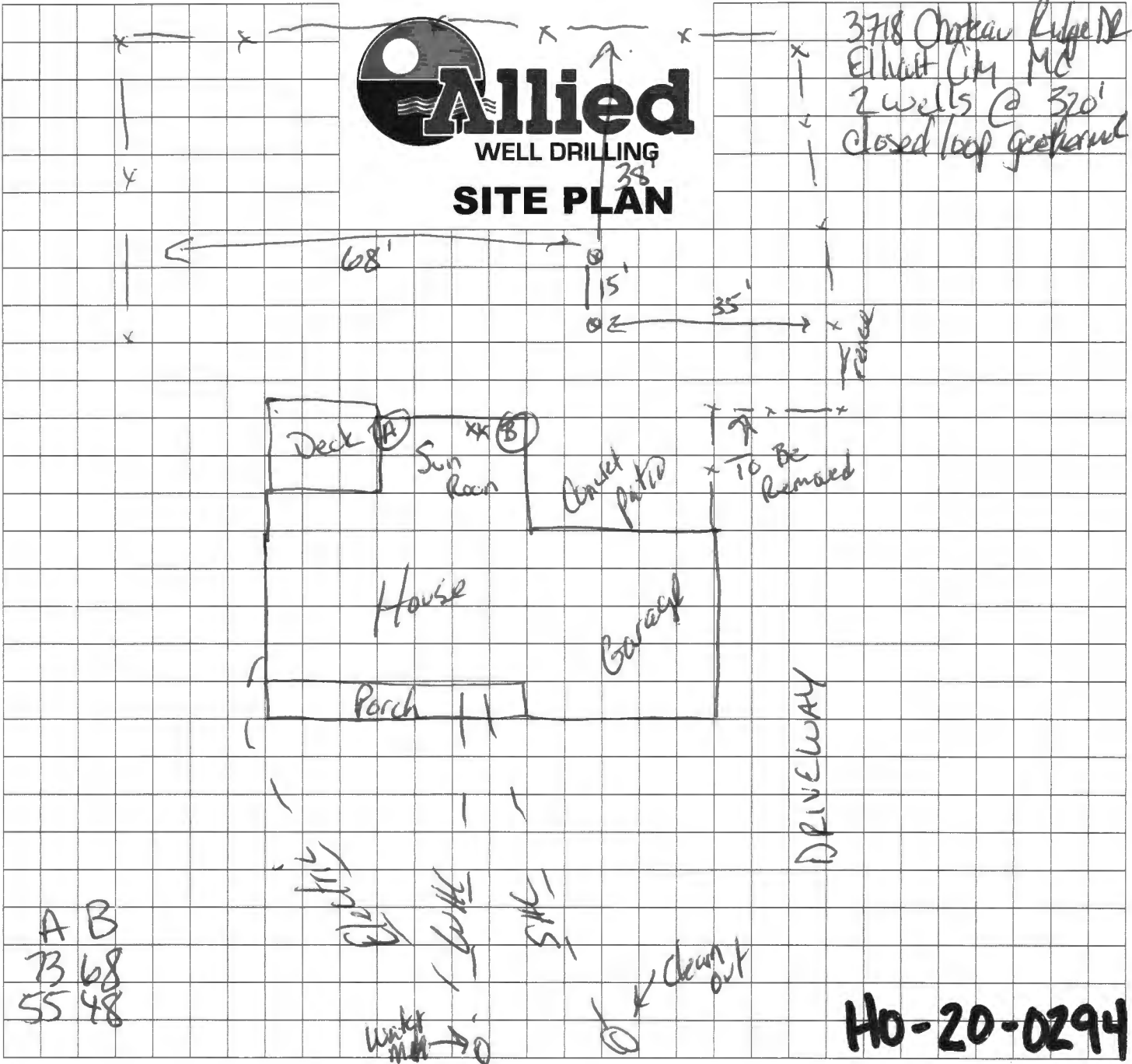
REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)
 [N] THIS WELL WILL NOT REPLACE AN EXISTING WELL
 [Y] THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
 39 [S] THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
 [D] THIS WELL WILL REPLACE 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 _____ G _____
 PERMIT No. HO - 20 - 0294
 70 71 72 73 74 75 76 77 78 79

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.



3718 Oakton Ridge Dr
 Elkhart City, NC
 2 wells @ 320'
 closed loop geothermal



HO-20-0294

Sediment Control Protocol: SILT Fence

Distance From House: 48
 From Septic: N/A
 From Sewer: 100'+
 From Property Line: 35'
 From Street: 100'+

Trees Nearby: NO
 Utility Issues: NO
 Mats Needed: Yes
 Access For H/U: Yes, Missile
 Neighboring Tags: See Camps

Comments: Mini Ex to make ramp into backyard. Fence to be taken down beside gate. Missile under Sun Room

Person Completing Form: _____

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.)

MINIMUM
DEPTH 4 FT

FOR CONT
SEE PLANS

HORIZONTAL
PIPING

GROUT ENTIRE ANGULAR
SPACE AND VERTICAL
J-TUBE WITH (BENTONITE)
GROUT.

BORE DEPTH

TAPE

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

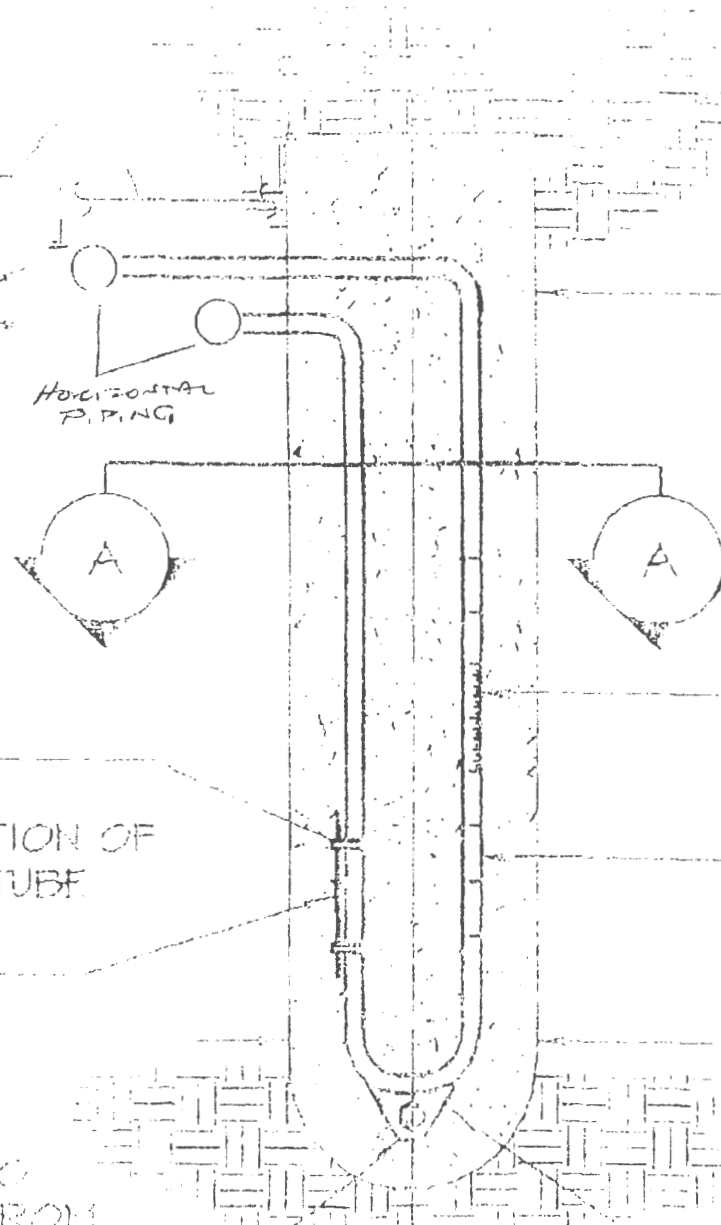
DEPTH MARKINGS IN FEET TO
INDICATE DEPTH OF INSERTION

TYPICAL VERTICAL U-TUBE
6 INCHES

TYPICAL BORE DIAMETER
6.0 INCHES

ANCHOR FITTINGS TO
PREVENT U-TUBE FROM
SURFACING AT THE
INSTALLATION

SEE PLAN FOR BORE SPACING



RECEIPT

Howard County, MD
HOWARD COUNTY HEALTH DEPARTMENT
ASCEND ONE BUILDING
Columbia, MD 21045
8930 STANFORD BLVD

Application: WS-WP-23-02181
Application Type: EnvHealth/Well and Septic/Installation/Application
Address: 3718 Chateau Ridge DR, Ellicott City, MD 21043

Receipt No.	7468					
Payment Method	Ref Number	Amount Paid	Payment Date	Cashier ID	Received	Comments
Check	30459	\$160.00	07/26/2023	VDEKRONEY		

Owner Info.: Matz, Eric & Sara

Work Description: