

05-367778

EMERGENCY/TEMP NO. IF ANY

B 1	SEQUENCE NO. (MDE USE ONLY) <u>388</u>	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type <u>312764</u>	STATE PERMIT NUMBER <u>H0-20-0252</u> <small>70</small> fill in this form completely <small>79</small>
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OWNER INFORMATION

Date Received (APA) 01/20/23

8 MM DD YY 13
 15 Last Name Owner First Name 34
Siebert Diane + John

36 Street or RFD 55
6420 Chell Rd

57 Town 70 State 72 Zip 76
Columbia MD

LOCATION OF WELL

Howard COUNTY 21
A Holtzman Manor 42

23 SUBDIVISION 42

SECTION 44 46 LOT 5 48 50

Columbia 52 NEAREST TOWN 71

DRILLER INFORMATION

Driller's Name Wesley Wolfe M 6 D 598 76 License No. 81

Firm Name Applied Well Drilling

Address PO Box 129 Annapolis Junction MD

Signature Wesley A Wolfe Date 01/17/23

SOURCES OF DRILLING WATER

1. Public

11 STREET ADDRESS 30
6420 Chell Rd

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

34 232 37
 DISTANCE FROM ROAD ENTER FT OR MI 38 39
FT

TAX MAP: 0036 BLK: 13 PARCEL 0220

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 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 3 loops

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard County COUNTY NAME COUNTY NO. 13

STATE SIGNATURE _____ INSERT S →

DATE ISSUED 2/18/23 41
 43 MM DD YY 48 CO SIGNATURE 2/18/24 EXP. DATE

DON: 2/18/23 DOB: 2/10/23 DOY: N/A

APPROXIMATE DEPTH OF WELL 320 FEET 24 28

APPROXIMATE DIAMETER OF WELL 6 NEAREST INCH

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 DEEPEM 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)

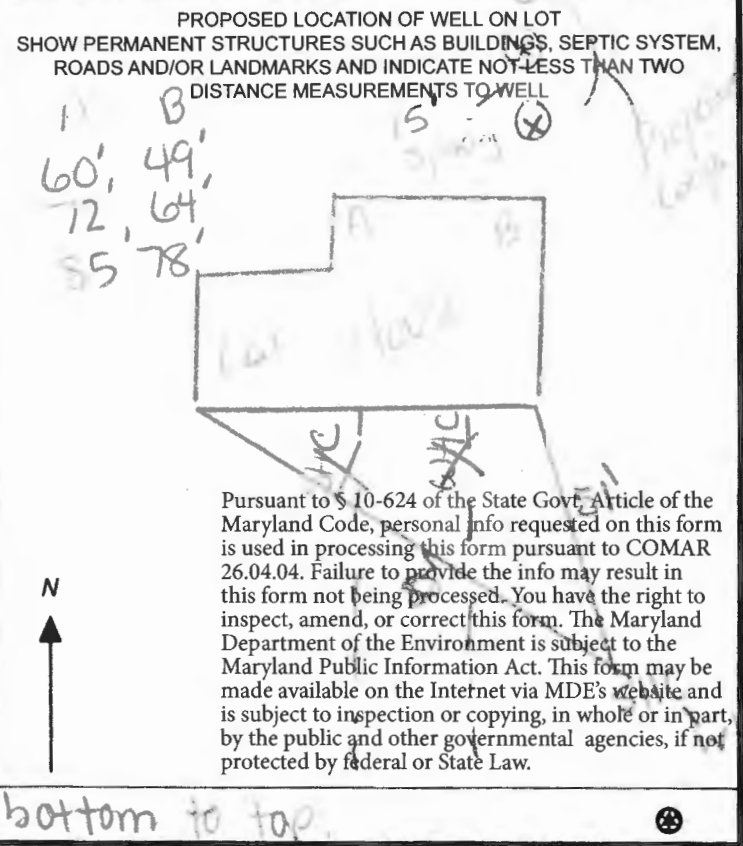
APPROP. PERMIT NUMBER _____ G _____

PERMIT No. H0-20-0252
 70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS

NOTE: APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED.

Grout from bottom to top.



C1 79031

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, TOWN, SUBDIVISION, SECTION, LOT

WELL LOG Not required for driven wells

Table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes handwritten entries for Bentonite, Sand, and Gravel.

GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box)

TYPE OF GROUTING MATERIAL (Circle one) CEMENT, BENTONITE CLAY, NO. OF BAGS, GALLONS OF WATER, DEPTH OF GROUT SEAL

CASING RECORD casing types insert appropriate code below

MAIN CASING TYPE Nominal diameter top (main) casing, Total depth of main casing

OTHER CASING (if used) diameter, depth (feet)

SCREEN RECORD screen type or open hole, insert appropriate code below

NUMBER OF UNSUCCESSFUL WELLS:

WELL HYDROFRACTURED: YES NO

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, DRILLERS SIGNATURE, LIC. NO. 1 D

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

DEPTH (nearest ft.)

Table with columns: E, A, C, H, S, C, R, E, E, N, 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 HOURS PUMPED (nearest hour)

PUMPING RATE (gal. per min.) METHOD USED TO MEASURE PUMPING RATE

WATER LEVEL (distance from land surface) BEFORE PUMPING

WHEN PUMPING 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 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 39.194103, LONGITUDE 76.13712 (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.

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.)

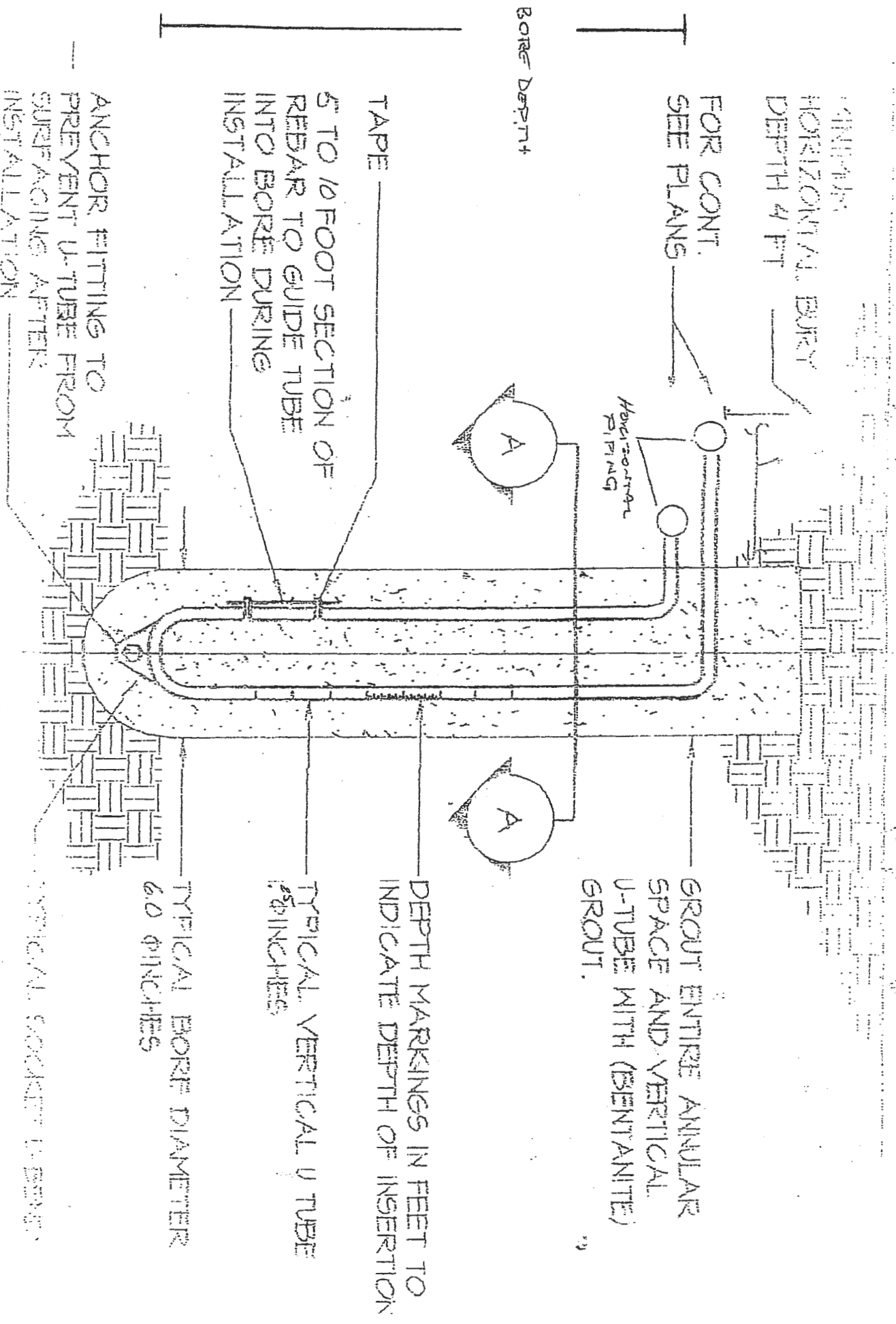
MINIMUM
HORIZONTAL BURY
DEPTH 4 FT

FOR CONT.
SEE PLANS.

BORE DEPTH

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

ANCHOR FITTING TO
PREVENT U-TUBE FROM
SURFACING AFTER
INSTALLATION



GROUT ENTIRE ANNULAR
SPACE AND VERTICAL
U-TUBE WITH (BENTONITE)
GROUT.

DEPTH MARKINGS IN FEET TO
INDICATE DEPTH OF INSERTION

TYPICAL VERTICAL U-TUBE
1 1/2 INCHES

TYPICAL BORE DIAMETER
6.0 INCHES

TYPICAL SOCKET IN DRIVE

RECEIPT

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

Application: WS-WP-23-00234
Application Type: EnvHealth/Well and Septic/Installation/Application
Address: 6420 Chell RD,

Receipt No.	5719					
Payment Method	Ref Number	Amount Paid	Payment Date	Cashier ID	Received	Comments
Check	29296	\$160.00	01/30/2023	JUKING		Receipt # 72764
Work Description:	Well Permit/					



HOWARD COUNTY HEALTH DEPARTMENT

72764

DATE 1/13/23

WS

Received From

Allied Environmental Services PHONE # 301-776-8370

For

1000 Permit/6420 Check

CASH

CHECK

NO.

21246

One thousand sixty

Dollars

\$ 100 00

Received By

J Kemp