

C1 71860

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

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

DATE WELL COMPLETED MM DD YY

Depth of Well 22 24 26

PERMIT NO. FROM "PERMIT TO DRILL WELL"

OWNER last name first name TOWN 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 '0 66' and '60 240'.

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box) YES NO CEMENT BENTONITE CLAY NO. OF BAGS NO. OF POUNDS GALLONS OF WATER DEPTH OF GROUT SEAL

CASING RECORD

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

OTHER CASING (if used)

SCREEN RECORD

DEPTH (nearest ft.)

Table with columns: E A C H S C R E E N, 1 2 3, DIAMETER OF SCREEN (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

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)

PUMP INSTALLED

DRILLER INSTALLED PUMP (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) PUMP HORSE POWER PUMP COLUMN LENGTH (nearest ft.) CASING HEIGHT (circle appropriate box and enter casing height) LAND SURFACE (nearest foot)

LATITUDE 3 9 19 25 1 LONGITUDE 7 4 9 11 5 3 (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.

DRILLERS LIC. NO. M D DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. D

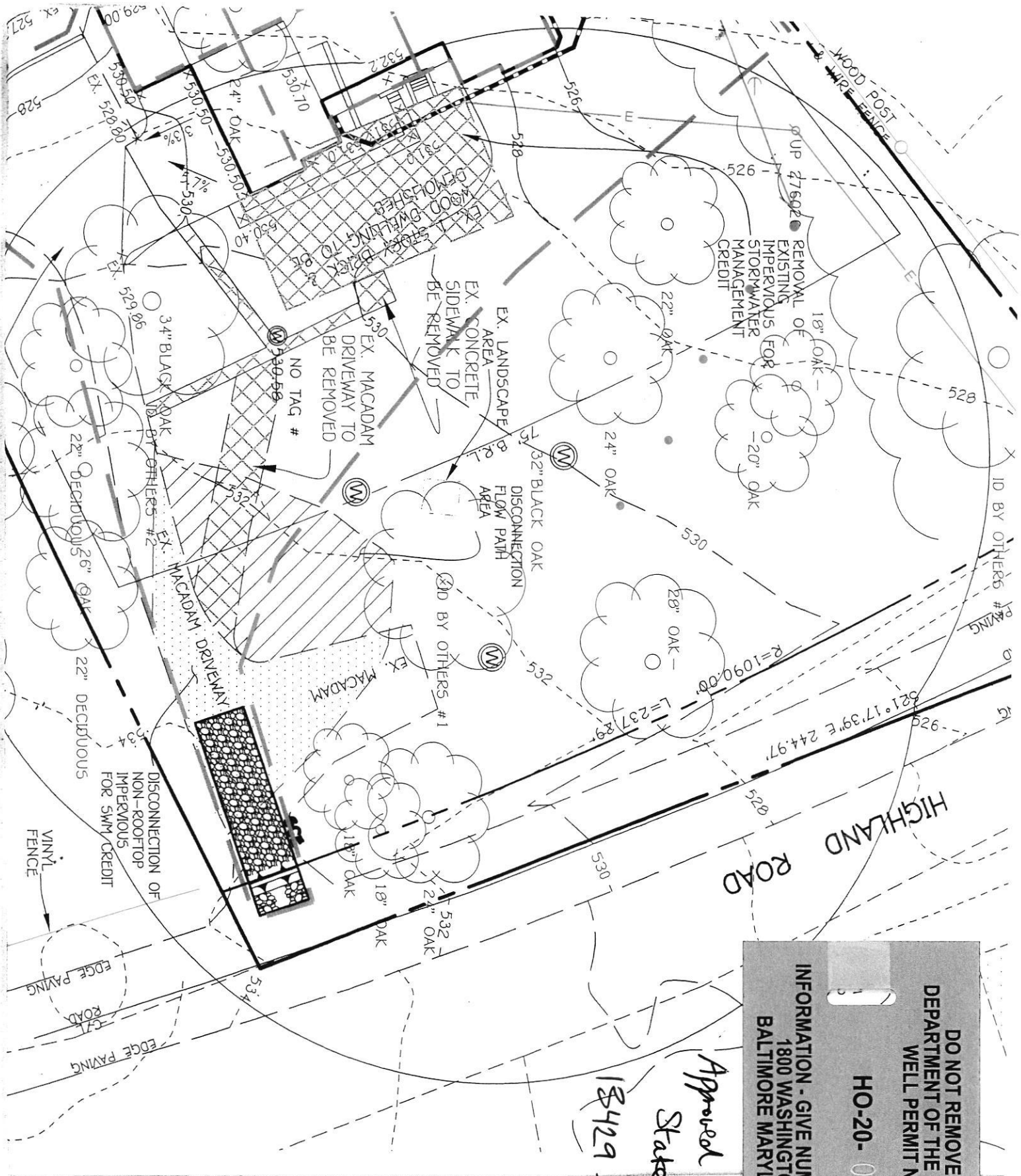
SITE SUPERVISOR (sign of driller or journeyman responsible for sitework if different from permittee)

05-3166119


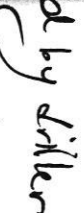
EMERGENCY/TEMP NO. IF ANY

<b>B 1</b>	08808	SEQUENCE NO. (MDE USE ONLY)	<b>STATE OF MARYLAND</b> <b>APPLICATION FOR PERMIT TO DRILL WELL</b> please type 541533	STATE PERMIT NUMBER Ho-20-0193 fill in this form completely
Date Received (APA) 8 MM DD YY 13 05 03 22		<b>OWNER INFORMATION</b>		
15 Last Name Sterkis		Owner Lev + Natayla		34 First Name
36 Street or RFD 5605 Foxcroft Way		55		
57 Town Columbia		70 State MD	72 Zip 21045	76
<b>DRILLER INFORMATION</b>				
76 Driller's Name Michael Kohler		M S D 028	81 License No.	
Firm Name Applied Well Drilling				
Address P.O. Box 129, Annapolis Junction MD 20781				
Signature Michael Kohler		Date 05/02/22		
<b>B 2</b>		<b>WELL INFORMATION</b>		
1 2 APPROX. PUMPING RATE (GAL. PER MIN.)		8	12	
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY)		14	20	
<b>USE FOR WATER (CIRCLE APPROPRIATE BOX)</b>				
<input type="checkbox"/> DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION				
<input type="checkbox"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)				
<input type="checkbox"/> INDUSTRIAL, COMMERCIAL, DEWATERING				
<input type="checkbox"/> PUBLIC WATER SUPPLY WELL				
<input type="checkbox"/> TEST, OBSERVATION, MONITORING				
<input type="checkbox"/> OPEN LOOP GEOTHERMAL				
<input checked="" type="checkbox"/> CLOSED LOOP GEOTHERMAL <span style="margin-left: 20px;">5 loops</span>				
<b>NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL</b>				
COUNTY NAME Howard		COUNTY NO. 13		
STATE SIGNATURE		INSERT S → 41		
DATE ISSUED 06/14/22		CO SIGNATURE Susan Thomas		
43 MM DD YY 48		6/4/22 EXP. DATE		
<b>PROPOSED LOCATION OF WELL ON LOT</b> SHOW PERMANENT STRUCTURES SUCH AS BUILDINGS, SEPTIC SYSTEM, ROADS AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCE MEASUREMENTS TO WELL				
<p>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.</p>				
<b>REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)</b>				
<input checked="" type="checkbox"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL				
<input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED				
<input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS				
<input type="checkbox"/> THIS WELL WILL DEEPEM AN EXISTING WELL				
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 _____ 52				
<b>Not to be filled in by driller (MDE OR COUNTY USE ONLY)</b>				
APPROP. PERMIT NUMBER _____ <b>G</b> _____				
PERMIT No. <u>Ho-20-0193</u> 70/71 72 73 74 75 76 77 78 79				
<b>SPECIAL CONDITIONS</b>				
NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED				

WS-WP-22-01287



**DO NOT REMOVE THIS TAG**  
**DEPARTMENT OF THE ENVIRONMENT**  
**WELL PERMIT NUMBER**  
**HO-20- 0193**  
**INFORMATION - GIVE NUMBER AND WRITE**  
**1800 WASHINGTON BLVD**  
**BALTIMORE MARYLAND 21230**

Approved 6/14/22   
 Stated by   
 18429 Highland Rd

## **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.

EACH BORE HOLE (TYP.)

GRADE

MINIMUM

HORIZONTAL BURY  
DEPTH 4 FT

FOR CONT.  
SEE PLANS

HORIZONTAL  
PIPING

BORE DEPTH

