1 2 3 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS) WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY NUMBER COUNTY NUMBER	COMPANY OF THE PARTY OF THE PAR	
TENCTITE		
MM 0(0003 42) MM - 28 - 16 16 16 16 16 16 16 16 16 16 16 16 16	PERMIT NO. ROM "PERMIT TO DRILL WELL" 29 30 31 32 33 34 35 36 37	
OWNER_ MEISKY Daving & Teyler, Elizabeth		
SUBDIVISION SECTION TOWN FILE (COM) LOT POLZ		
WELL LOG Not required for driven wells WELL HAS BEEN GROUTED (Circle Appropriate Box) ORDITING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box)	UMPING TEST	
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING TYPE OF GROUTING MATERIAL (Circle one) HOURS PUMPED (
DESCRIPTION (Use additional sheets if needed) FROM TO bearing CEMENT C M BENTONITE CLAY B C NO. OF POUNDS 45 46 NO. OF BAGS NO. OF POUNDS PUMPING RATE (9)	al per min)	
Red Brin Clay 0 20 GALLONS OF WATER 900 METHOD USED TO) 11/ 15	
DEPTH OF GROUT SEAL (to nearest foot) from 48 TOP 52 ft. to 54 BOTTOM 58 ft. WATER LEVEL (dis	stance from land surface)	
(enter 0 if from surface)		
types SIT CIO	17 20 ft.	
appropriate code below PLASTIC OTHER TYPE OF PUMP US A air A Air A Air A Air A Air	22 25	
CASING top (main) casing of main casing	P piston T turbine	
TYPE (nearest inch)! (nearest foot) C centrifugal	R rotary (describe below)	
60 61 63 64 66 70 E OTHER CASING (if used) 27 jet	S submersible	
diameter depth (feet) H inch from to PUI	MP INSTALLED	
DRILLER INSTALL (CIRCLE) (YES or	NO)	
MUST BE COMPLE	LLS PUMP, THIS SECTION ETED FOR ALL WELLS.	
or open hole of open in PLACE (A,C,J,P,R,S) in sert steel brass open in PLACE (A,C,J,P,R,S) in BOX 29.		
appropriate code below BRONZE HOLE GALLONS PER N (to nearest gallon		
3 CASSON TOOK PLASTIC OTHER PUMP HORSE PO	OWER	
NUMBER OF UNSUCCESSFUL WELLS: DEPTH (nearest ft.) PUMP COLUMN (nearest ft.)	LENGTH	
WELL HYDROFRACTURED YES N E 8 9 11 15 17 21 CASING HEIGHT C above	(circle appropriate box and enter casing height)	
CIRCLE APPROPRIATE LETTER A A WELL WAS ABANDONED AND SEALED A WELL WAS ABANDONED AND SEALED B 49 S 5	LAND SURFACE (pearest)	
WHEN THIS WELL WAS COMPLETED E ELECTRIC LOG OBTAINED R 38 39 41 45 47 51 49 below TEST WELL CONVERTED TO PRODUCTION	(nearest) foot)	
F SLOT SIZE 1 2 3 LATITUDE 3		
	OORD. WGS 84)	
knowledge from to Pursuant to \$10-62 the Maryand Code	24 of the State Govt. Article of personal info, requested on a processing this form pursuant	
DRILLERS SIGNATURE to COMAR 26.04.0 IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68 To COMAR 26.04.0 may result in this form	04. Failure to provide the info. form not being processed. You	
(MUST MATCH SIGNATURE ON APPLICATION) MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) Environment is sub	rspect, amend, or correct this nd Department of the bject to the Maryland Public	
available on the Int	This form may be made ternet via MDE's website and is	
SITE SUPERVISOR (sign. of driller or journeyman 74 75 76 part, by the pulic a	on or copying, in whole or in and other governmental otected by federal or state law.	

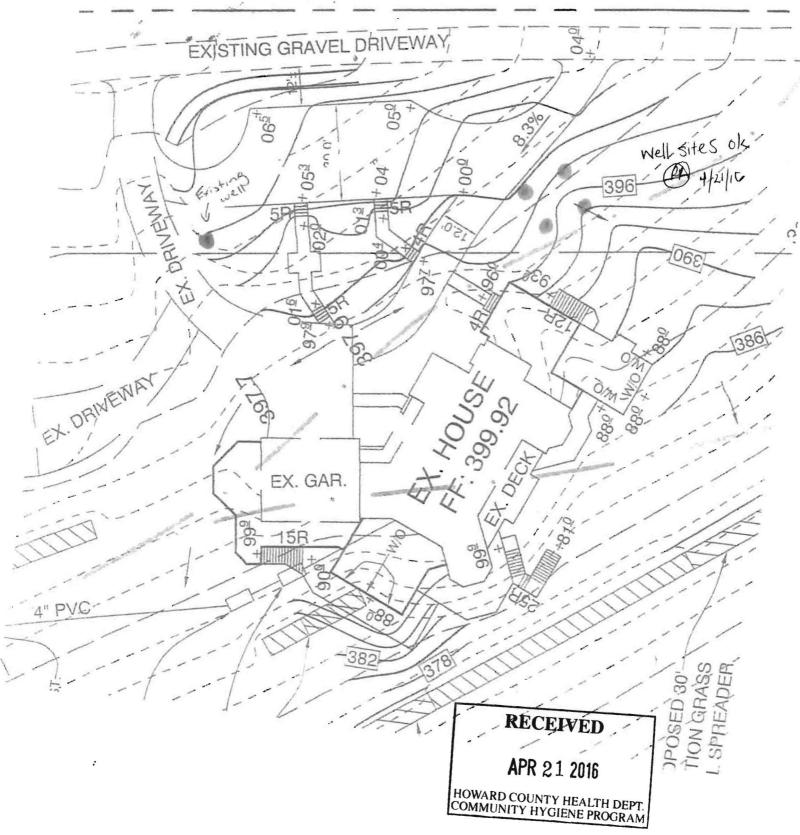
SEQUENCE NO.	STATE OF MARYLAND	STATE PERMIT NUMBER
(MDE USE ONLY)	PPLICATION FOR PERMIT TO DRILL WE	LL HD - 15 - 0235
123 6	550000 please type	70 fill in this form completely 79
Date Received (APA)	* B 3 1	LOCATION OF WELL
8 MM DD YY 13	IATION	
Marsky Barry +Tr	over Elizabet 8 COUNTY	21
15 Last Name Owner	First Name 34	
13001 Wainwright	23 SUBDIVISION	PARZ 42
36 Street or RFD	55 SECTION 44 46	LOT 48 50
57 Town 70 State 72	Zip 76	land
DRILLER INFORMATION	52 NEAREST TOWN	71
LC Dhn Heas M	Wb 553	Mainuricht
Driller's Name 76	License No. 81 B 4	12 m 1 h: a w Pal
Firm Name	SOURCES OF DRILLING WATER	11 STREET ADDRESS 30
A) By 129 Any onlie T	IN TOND TODOR HOBIC	MORTH
Address	3.	(CIRCLE APPROPRIATE BOX)
Cyphin /kin O	3/28/16	WEST S EAST
Signature NELL INFORMATION	Date	34 37 SOUTH
B 2 WELL INFORMATION APPROX. PUMPING RATE		DISTANCE FROM ROAD ENTER FT OR MI 38 39
(GAL. PER MIN.) 8	12	TAX MAP: 0040 BLK: 0000 PARCEL 0598
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 14	20	
USE FOR WATER (CIRCLE APPR	LICAL	TO BE FILLED IN BY DRILLER LTH DEPARTMENT APPROVAL
D DOMESTIC POTABLE SUPPLY & RESIDENT IRRIGATION	IAL	Manager State of the state of the
F FARMING (LIVESTOCK WATERING & AGRIC	The state of the s	13
IRRIGATION) 22 I INDUSTRIAL, COMMERCIAL, DEWATERING	COUNTY NAME STATE	COUNTY NO.
P PUBLIC WATER SUPPLY WELL	SIGNATURE	INSERT S ———————————————————————————————————
T TEST, OBSERVATION, MONITORING	DATE ISSUED	LA 4/4/17
O OPEN LOOP GEOTHERMAL	43 MM do YY 41	8 CO SIGNATURE EXP. DATE
C CLOSED LOOP GEOTHERMAL	7 COOP	
200	PROF	POSED LOCATION OF WELL ON LOT
APPROXIMATE DEPTH OF WELL		TRUCTURES SUCH AS BUILDINGS, SEPTIC SYSTEM, ANDMARKS AND INDICATE NOT LESS THAN TWO
		FANCE MEASUREMENTS TO WELL
APPROXIMATE DIAMETER OF WELL	P INCH	Wainwright Road
METHOD OF DRILLING (c	ircle one)	West with the
BORED (or Augered) JETTED	Jetted & DRIVEN	06)
27	OTARY (Hydraulic Rotary)	-00
CABLE REVerse-ROTary	DRIVE-POINT ED WELLS	~5
Other	LOOPS -	5 7
REPLACEMENT OR DEEPEN (CIRCLE APPROPRIATE B	OX)	Forest House
THIS WELL WILL NOT REPLACE AN EXISTING	WELL	Garax Hood
THIS WELL WILL REPLACE A WELL THAT WILL ABANDONED AND SEALED	LL BE	le of
THIS WELL WILL REPLACE A WELL THAT WIL		
S AS A STANDBY-CONTACT LOCAL APPROVING	G AUTHORITY P	Pursuant to \$ 10-624 of the State Govt. Article of the
D THIS WELL WILL DEEPEN AN EXISTING WEL	Later to take the later is	Maryland Code, personal info requested on this form s used in processing this form pursuant to COMAR
PERMIT NUMBER OF WELL TO BE REPLACED OR	DEEPENED 2	6.04.04. Failure to provide the info may result in his form not being processed. You have the right to
(IF AVAILABLE) 41	ii	nspect, amend, or correct this form. The Maryland
Not to be filled in by driller (MDE OR CO	UNTY USE ONLY)	Department of the Environment is subject to the Maryland Public Information Act. This form may be
APPROP. PERMIT NUMBER	G	nade available on the Internet via MDE's website and
		s subject to inspection or copying, in whole or in part by the public and other governmental agencies, if not
PERMIT No. 170 71 72	15 - 0235 73 74 75 76 77 78 79	protected by federal or State Law.
SPECIAL CONDITIONS	11 wells most be growted from	bottom to top.
NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED.	The stand of the s	to top.

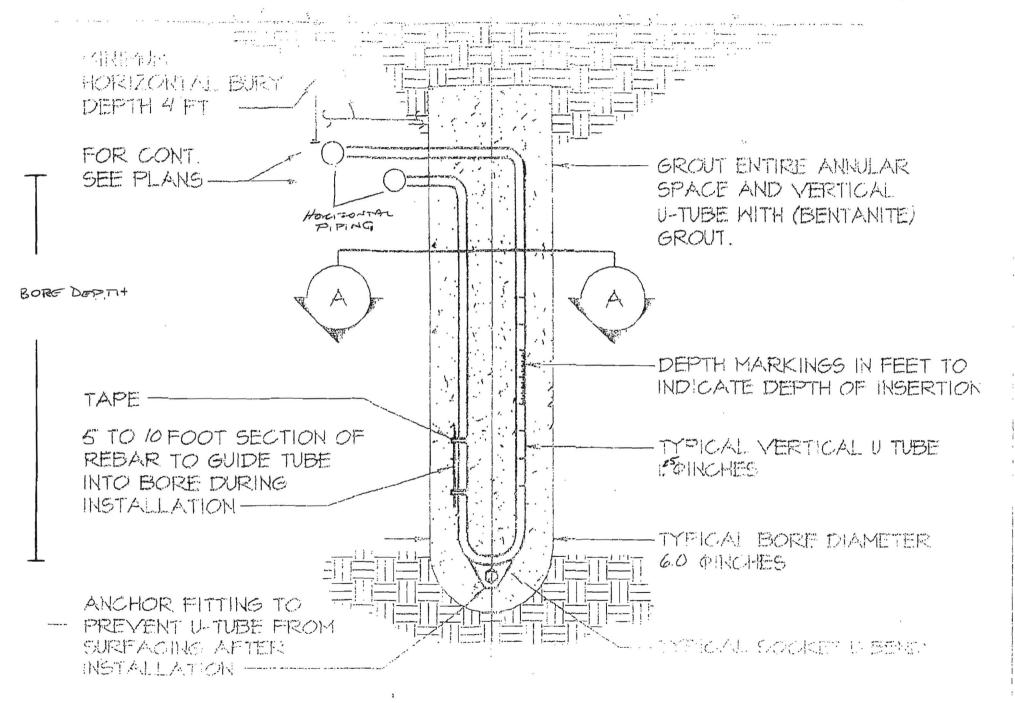
Scule: 1"=30"

= 600 well

WAINWRIGHT ROAD

N 31°25'11"E 190.25'





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 E(-08) 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.



