

C 1 70252 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 **OK** COUNTY NUMBER **13**

ST/CO USE ONLY DATE RECEIVED DATE WELL COMPLETED Depth of Well PERMIT NO. FROM "PERMIT TO DRILL WELL"

DATE RECEIVED: MM 07 DD 31 YEAR 2012 DATE WELL COMPLETED: MM 15 DD 23 YEAR 2012 DEPTH OF WELL: 22 (TO NEAREST FOOT) PERMIT NO. 10-00-022

OWNER: [Signature] WELL SITE ADDRESS: 1326 G. FORT RD. TOWN: [Signature] SUBDIVISION: SECTION: LOT:

WELL LOG
Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

DESCRIPTION (Use additional sheets if needed)	FEET		check if water bearing
	FROM	TO	
Handwritten log entries	30	48	✓

GROUTING RECORD yes no

WELL HAS BEEN GROUTED (Circle Appropriate Box) **Y** **N**

TYPE OF GROUTING MATERIAL (Circle one) CEMENT **CM** BENTONITE CLAY **BC**

NO. OF BAGS 45 46 NO. OF POUNDS 45 46

GALLONS OF WATER 100

DEPTH OF GROUT SEAL (to nearest foot) from 48 TOP 52 ft. to 54 BOTTOM 58 ft. (enter 0 if from surface)

CASING RECORD

casing types insert appropriate code below

ST STEEL **CO** CONCRETE **PL** PLASTIC **OT** OTHER

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

60 61 63 64 66 70

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

E A C H C A S I N G

SCREEN RECORD screen type or open hole insert appropriate code below

ST STEEL **BR** BRASS **HO** OPEN HOLE **PL** PLASTIC **OT** OTHER

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED **Y** **N**

CIRCLE APPROPRIATE LETTER

A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED

E ELECTRIC LOG OBTAINED

P TEST WELL CONVERTED TO PRODUCTION WELL

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS LIC. NO. 1 M D 1

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. 1 D 1

C 2 DEPTH (nearest ft.)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

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 **PUMPING TEST**

HOURS PUMPED (nearest hour) 8 9

PUMPING RATE (gal. per min.) 14 15

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 (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 **-** below LAND SURFACE (nearest foot) 49 50 51

LATITUDE 3 1 48 LONGITUDE 7 1 1 (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.

16-084816

EMERGENCY/TEMP NO. IF ANY

OK 11/3/2021

B 1	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type	STATE PERMIT NUMBER HO-20-0288 <small>70 fill in this form completely 79</small>
1 2 3 6	Date Received (APA) 8 MM DD YY 13 15 Last Name Owner First Name 34 36 Street or RFD 55 57 Town 70 State 72 Zip 76 <i>Platrowski, Matthew O'Brien, Sarah</i> <i>6356 Barefoot Bay</i> <i>Columbia MD 21045</i>		B 3 LOCATION OF WELL 8 COUNTY 21 23 SUBDIVISION 42 SECTION 44 46 LOT 48 50 52 NEAREST TOWN 71 <i>Howard</i> <i>Vil Owen Brown</i> <i>152</i> <i>Columbia</i>
DRILLER INFORMATION 76 Driller's Name 81 License No. Firm Name Address Signature Date <i>Wesley Walker M D 588</i> <i>Walker Well Drilling</i> <i>PO Box 129 Annapolis, Jordan MD 20711</i> <i>Wesley A Walker 06/15/23</i>		B 4 SOURCES OF DRILLING WATER 1. Public 2. 3. ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH WEST EAST SOUTH 34 30 37 DISTANCE FROM ROAD ENTER FT OR MI 38 39 TAX MAP: 0036 BLK: PARCEL 035 <i>6356 Barefoot Bay</i>	
B 2 WELL INFORMATION 1 2 APPROX. PUMPING RATE (GAL. PER MIN.) AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 8 12 14 20		USE FOR WATER (CIRCLE APPROPRIATE BOX) <input type="checkbox"/> DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION <input type="checkbox"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) <input checked="" 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 <i>2 Loops</i>	
APPROXIMATE DEPTH OF WELL 24 28 FEET <i>240</i>		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL COUNTY NAME COUNTY NO. STATE SIGNATURE INSERT S → DATE ISSUED CO SIGNATURE EXP. DATE <i>Howard County 13</i> <i>7/15/2023 [Signature] 7/15/2024 41</i>	
APPROXIMATE DIAMETER OF WELL INCH <i>6</i>		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 <input checked="" type="checkbox"/> AIR-ROTary <input type="checkbox"/> AIR-PERCussion <input type="checkbox"/> ROTARY (Hydraulic Rotary) <input type="checkbox"/> CABLE <input type="checkbox"/> REVerse-ROTary <input type="checkbox"/> Drive-POINT other		REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) <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	
Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROP. PERMIT NUMBER PERMIT No. <i>HO-20-0288</i> <small>70 71 72 73 74 75 76 77 78 79</small>		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.	
SPECIAL CONDITIONS <small>NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED</small>			

A B
38' 20"
42' 31"

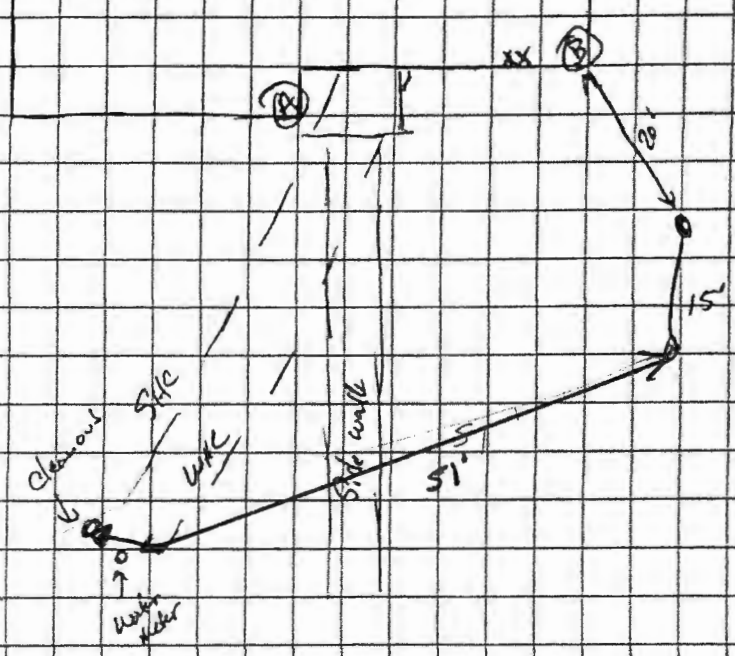


6356 Barefoot Bay
Columbia Md
2 wells @ 240'
closed loop geothermal

SITE PLAN

DO NOT REMOVE THIS TAG
DEPARTMENT OF THE ENVIRONMENT
WELL PERMIT NUMBER
HO-20-0288
INFORMATION - GIVE NUMBER AND WRITE
1800 WASHINGTON BLVD
BALTIMORE MARYLAND 21230

Well site OK
7/5/2023



Sediment Control Protocol: SILT Fence

Distance From House: 20'
From Septic: N/A
From Sewer: 35'
From Property Line: 13'
From Street: 35' TO Barefoot Bay

Trees Nearby: Yes. Need trimmed
Utility Issues: Need Marked
Mats Needed: Yes
Access For H/U: Yes
Neighboring Tags: See Comps

Comments: _____

Person Completing Form: Wes Wolfe

ORDERED BY:



BROADVIEW TITLE

7015 EMMORTON ROAD, SUITE 102 | Bel Air, MD 21035
office: 443.312.8438 | fax: 443.312.6451



PROPERTY ADDRESS: 6356 BAREFOOT BOY

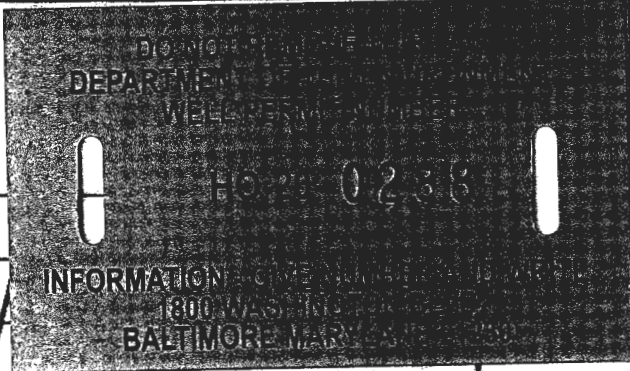
COLUMBIA, MARYLAND 21045

SURVEY NUMBER: MD2005.3089

FIELD WORK DATE: 5/20/2020

REVISION HISTORY: (REV.0 5/20/2020)

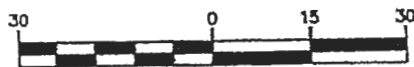
MD2005.3089
LOCATION DRAWING
LOT 152
COLUMBIA, VILLAGE OF OWEN BROWN
HOWARD COUNTY, MARYLAND
05-19-2020 SCALE 1"=30'



*well site on
8/15/2023*



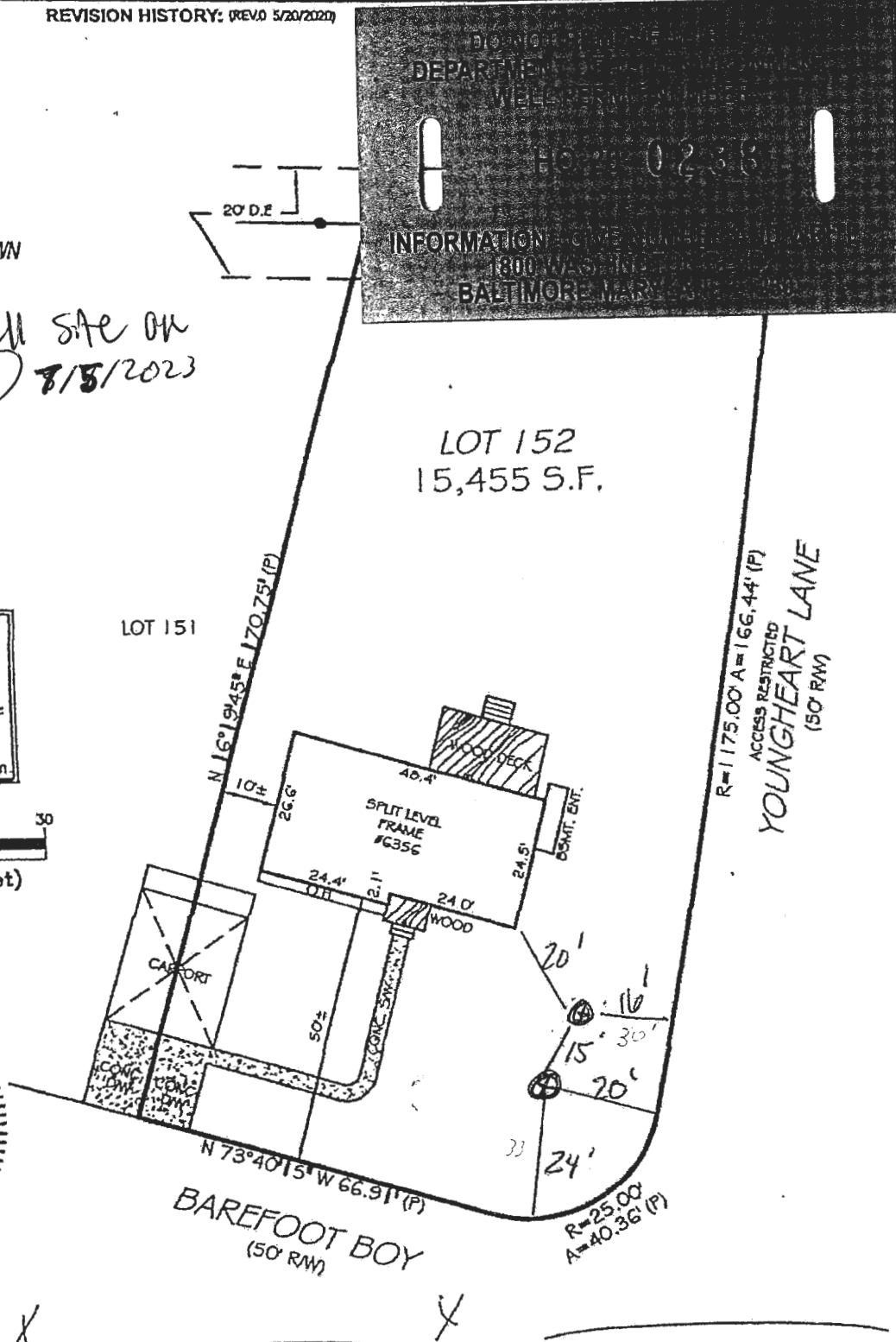
PLEASE NOTE
This House Location Drawing is for informational purposes only. Per Maryland State Code it may not be relied upon to determine property boundaries and may not be used for building permits or construction.



GRAPHIC SCALE (In Feet)
1 inch = 30' ft
ACCURACY=1±



EXPIRES 10-26-20



FILE INQUIRY NOTES

DATE	RESULTS OF REVIEW FOR FILE
6/26/2023	Email sent to Driller to include distances from well to
	property line. (S)

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 BORE
DEPTH 4 FT

FOR CONT.
SEE PLANS

HORIZONTAL
PIPING

GROUT ENTIRE ANGULAR
SPACE AND VERTICAL
U-TUBE WITH (BENTONITE,
GROUT.

BORE DEPTH

DEPTH MARKINGS IN FEET TO
INDICATE DEPTH OF INSERTION

TAPE

TYPICAL VERTICAL U TUBE
6 INCHES

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

TYPICAL BORE DIAMETER
60 INCHES

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

CONCRETE SURFACE

