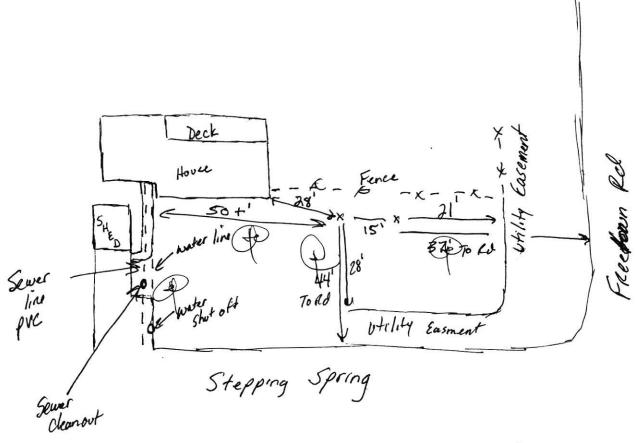
c1 63890	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND WELL COMPLETION REPORT	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.			
1 2 3 6 (THIS NUMBER IS TO BE PUNCH IN COLS. 3-6 ON ALL CARDS)	ED	FILL IN THIS FORM COMPLETELY PLEASE TYPE	COUNTY NUMBER			
DATE Received	MY 81 2	021 22 200 26	FROM "PERMIT NO. FROM "PERMIT TO DRILL WELL" TO BE SEE TO THE SE			
OWNER CO		Mark				
SUBDIVISION 1107	- 41 32	Springing Step TOWN C	LOT _			
Not required for drive	en wells	WELL HAS BEEN GROUTED (Circle Appropriate Box)	C 3			
April 1997 Control of the Control of	FEET check	TYPE OF GROUTING MATERIAL (Circle open) CEMENT CM BENTONITE CLAY BC	HOURS PUMPED (nearest hour)			
The contract of the contract o	OM TO bearing	NO. OF BAGS 46/10 NO. OF POUNDS	PUMPING RATE (gal. per min.)			
.07 00(1		DEPTH OF GROUT SEAL (to nearest foot)	MEASURE PUMPING RATE			
Sitty Sard	12	(enter 0 if from surface)	WATER LEVEL (distance from land surface)			
DE Drown		types ST CO	17 20 A 1 1 A			
Weathered 12	20	code below PL OT	TYPE OF PUMP USED (for test)			
Rock		MAIN Nominal diameter Total depth	A air P piston T turbine			
Pack 4 1 20	200'	TYPE (nearest inch)! (nearest foot)	C centrifugal R rotary O (describe below)			
Grey 121		E OTHER CASING (if used)	J jet S submersible			
1 / 5/ce		inch from to	PUMP INSTALLED DRILLER INSTALLED PLIMP			
		S	(CIRCLE) (YES or NO)			
Installed dase	el la	screen type SCREEN RECORD	MUST BE COMPLETED FOR ALL WELLS. TYPE OF PUMP INSTALLED PLACE (A.C. L.B.P.S.T.O.)			
Koop geothern	al	insert STEEL BRASS OPEN	IN BOX 29. CAPACITY:			
×2		code below PL OT OTHER	(to nearest gallon) 31 35			
NUMBER OF LINCHOCESSEN W	VELIS:	C 2 DEPTH (nearest ft.)	PUMP COLUMN LENGTH 37 41			
WELL HYDROFRACTURED	yes no	E 1 15 17 21	CASING HEIGHT (circle appropriate box			
\$ 100 PM - 122 PM - 1	E LETTER	C 2 2 24 26 30 32 36	+ above LAND SURFACE			
A WELL WAS ABANDONED A WHEN THIS WELL WAS COM E ELECTRIC LOG OBTAINED	PLETED PLETED	C 3 R 38 39 41 45 47 51	below (nearest)			
I HEREBY CERTIFY THAT THIS WELL HAS	S BEEN CONSTRUCTED IN	E SLOT SIZE 1 2 3	LATITUDE 39. 185616			
IN CONFORMANCE WITH ALL CONDITION CAPTIONED PERMIT, AND THAT THE IN HEREIN IS ACCURATE AND COMPLET	NS STATED IN THE ABOVE NFORMATION PRESENTED	OF SCREEN INCH)	(DEFAULT COORD. WGS 84)			
DRILLERS UC. NO.1 M	16598.	GRAVEL PACK	the Maryand Code personal info. requested on this form is used in processing this form pursuant			
DRILLERS SIGNATURE ON AND THE CONTROL OF THE CONTR	Dayle	WAS FLOWING WELL INSERT F IN BOX 68 68	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			
	THE POWER PLANTING FOR PLANTING					
SITE SUPERVISOR (sign. of drill)	er or journeyman	74 75 76	subject to inspection or copying, in whole or in part, by the pulic and other governmental			
responsible for sitework if differen		TELESCOPE LOG CASING INDICATOR OTHER DATA	agencies, if not protected by federal or state law.			

SEQUENCE NO.	07475.054	44.514.4145	STATE PERMIT NUMBER
(MDE USE ONLY)	STATE OF N		
48287	APPLICATION FOR PE		11- 20 00 1
1 2 3 6	please	type	fill in this form completely 79
Date Received (APA)	MEEL	B 3	LOCATION OF WELL
	FORMATION 100	//	
8 MM DD YY 13	10	8 COUNTY	21
· L Covington	Mark	1/07	<u>-</u> .
15 Last Name Owner	First Name 34	23 SUBDIVISION	42
6752 Springing	Step	25 505511101011	1
36 Street of R	FD 55	SECTION 44 46	LOT 48 50
- Colombia /V	10 2/0//	ACTION AND DESCRIPTIONS	The state of the s
57 Town 70 State	e 72 Zip 76	52 NEAREST TOWN	71
DRILLER INFORMATION		SE NEARLEST TOWN	
Wesley Wolfe	M WD 598		
Driller's Name	76 License No. 81	B 4	
(Nesapeake Geosyste	W13 1/1/	SOURCES OF DRILLING WATER	16752 Springing Step
Firm Name		1. Public	11 STREET ADDRÉSS / 30
16770 Ft Smallwood Rd	Daltimore WC	2.	ON WHICH SIDE OF ROAD NORTH
Address	21226	3.	(CIRCLE APPROPRIATE BOX)
1/1/ Usley a World	02-03-2121		WESTSTEAST
Signature	Date		34 44 37 SOUTH
B 2 WELL INFORMATION	NA		DISTANCE FROM ROAD
1 2 APPROX. PUMPING RATE (GAL. PER MIN.)	8 12		ENTER FT OR MI 38 39
AVERAGE DAILY QUANTITY NEEDED	NA		TAX MAP: 0035 BLK: PARCEL 0290
	14 20		
USE FOR WATER (CIRCL	E APPROPRIATE BOX)	NOT TO	O BE FILLED IN BY DRILLER
D DOMESTIC POTABLE SUPPLY & RE	SIDENTIAL	HEALT	H DEPARTMENT APPROVAL
IRRIGATION	A CONCULTURAL	16	
F FARMING (LIVESTOCK WATERING & IRRIGATION)	& AGRICULTURAL	COUNTY NAME	COUNTY NO.
INDUSTRIAL COMMERCIAL DEWA	TERING	STATE	
P PUBLIC WATER SUPPLY WELL		SIGNATURE	INSERT S 41
T TEST, OBSERVATION, MONITORING		DATE ISSUED	1. A () () 00 00 10 10 10 10 10 10 10 10 10 10 10
O OPEN LOOP GEOTHERMAL		43 MM DD YY 48	CO SIGNATURE EXP. DATE
C CLOSED LOOP GEOTHERMAL			/II (P)
C CEOGED EGOT GEOTTERWAL		DON: 3/30/21 DE	OG: 4/1/21
	1110	PROPOS	SED LOCATION OF WELL ON LOT
APPROXIMATE DEPTH OF WELL	40 J FEET		UCTURES SUCH AS BUILDINGS, SEPTIC SYSTEM,
24	28	DISTAN	DMARKS AND INDICATE NOT LESS THAN TWO NCE MEASUREMENTS TO WELL
APPROXIMATE DIAMETER OF WELL	NEAREST INCH	3/36/21	
METHOD OF DRILL	INC	10:30 AM: tubing on s	ite
METHOD OF DRILL	The second secon	but no driller	
BORED (or Augered) JETTED	Jetted & DRIVEN	to the t	
AIR-PERcussion	ROTARY (Hydraulic Rotary)	3/31/21	Sparaine Ster
37 CABLE REVerse-ROTary	DRive-POINT	bores drilled.	37.47 714
other		notuet	
REPLACEMENT OR DE	EPENED WELLS	gouted @IAM	144 3
(CIRCLE APPROPE			201 91
THIS WELL WILL NOT REPLACE AN E	XISTING WELL	121- driller	× × P
THIS WELL WILL REPLACE A WELL T	HAT WILL BE	+ onsite@ \$ 37	Hose
ABANDONED AND SEALED	10	1030 AM 61	- VI
39 S THIS WELL WILL REPLACE A WELL T	HAT WILL BE USED	ni not 18	rought to 6 10 624 of the State Court Autilian City
FOR POLICY ON STANDBY WELLS		1 104 484	rsuant to § 10-624 of the State Govt. Article of the ryland Code, personal info requested on this form
D THIS WELL WILL DEEPEN AN EXISTIN	IG WELL	is u	sed in processing this form pursuant to COMAR
PERMIT NUMBER OF WELL TO BE REPLACE	ED OR DEEPENED	26.0	04.04. Failure to provide the info may result in
(IF AVAILABLE) 41 1303 0-1 03	52	tills	s form not being processed. You have the right to pect, amend, or correct this form. The Maryland
Not to be filled in by driller (MDE (OR COUNTY USE ONLY)	Dei	partment of the Environment is subject to the
A STANDARD TO STANDARD	NVE	Ma	ryland Public Information Act. This form may be
APPROP. PERMIT NUMBER	G		de available on the Internet via MDE's website and ubject to inspection or copying, in whole or in part
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 70 0001	by t	the public and other governmental agencies, if not
PERMIT No.	71 72 73 74 75 76 77 79 70	pro	tected by federal or State Law.
PRECIAL CONDITIONS	71 72 73 74 75 76 77 78 79		
SPECIAL CONDITIONS			@

MARK Covington
6752 Springing Step
Columbia Md 21044
2 wells @ 200'
1.25" Closed 100P
Geothermal wl
Factory U-Bend



APPROVED 02/26/2021 PD STAKED BY DRILLER

DO NOT REMOVE THIS TAG DEPARTMENT OF THE ENVIRONMENT WELL PERMIT NUMBER

HO-20- 0 0 7 4

INFORMATION - GIVE NUMBER AND WRITE 1800 WASHINGTON BLVD BALTIMORE MARYLAND 21230

Department of Inspections Licenses and Permits

3430 Court House Drive Ellicott City, MD 21043

Permits (410) 313-2455 Opt. #4

HOWARD COUNTY RESIDENTIAL **HEATING-VENTILATION-AIR** CONDITIONING AND REFRIGERATION PERMIT APPLICATION

HVACR PERMIT #

m21000287

BUILDING PERMIT#

Inspections (410) 313-1840			
SITE BUILDING ADDRESS:	SUITE/APT:	OWNERS NAME:	rails Covington
6752 Springing	570	ADDRESS: (275	a Springing Step
SUBDIVISION:) ~ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	CITY: Columbia	a pringing map
		STATE: M	ZIP CODE: 21044
TYPE OF IMPROVEMENTS:		HOME PHONE:	3 - 255 - 4420
USE:		CELL PHONE:	3 - 253 - 9920
CHECK ON	HOW MANY	COMPANY NAME:	otal Confort Heating & ALC
SINGLE FAMILY DWELLING	✓ zones	LICENSEE NAME:	imes E. Agran
SINGLE FAMILY TOWNHOUSE	D ZONES	ADDRESS: 12009	margaret Drive
MULTI-FAMILY / HOTEL/MOTEL	□ ROOMS	CITY: Hagersto	m,
	20016	STATE: MD	ZIP CODE: 21742
ASSISTED LIVING HOMES (16 OR FEWER RESIDENTS)	ROOMS	PHONE:	HVACR LICENSE NO:
		BO1-745-37a	5833-01
New Construction Heating and Air Conditioning Air Conditioning Heating Replacement Heating	Additions and Ale Heating Air Conditionin Heating and Air	Ga Du Conditioning □ Th	o Thermal System s Conversion (Make and Model of Equipment) actless Mini Splits ru The Wall Systems her Work (Describe): Mee glothermal Heat rump sapelie Geo systems.
Air Conditioning	111 cax closed	1900 by the	sapente Geosystems.
	Make and Mode	el of Equipment is require	d
	mal Systems are not require	T5	being sought a permit is required****
Zones Permit Fee = # of Zones x \$40 = Technology Fee (10% of Permit Fee Plus Application Fee Total Fees Due =	$\frac{40}{9}$ $\frac{9}{9}$	Technology Fee (10	% of Permit Fee) =
I HAVE CAREFULLY EXAMINED AND WILL BE PERFORMED BY A STATE HV APPLICABLE CODES AND STANDARDS	ACRLICENSED PERSON(S),	AND ALL WORK WILL BE P	D CORRECT. THE WORK DESCRIBED HEREIN PERFORMED IN COMPLIANCE WITH
SIGNATURE OF LICENSEE		DATE	Validation
PRINT, NAME OF LICENSEE	n	-	Check Number: 985
Dim @ tchuac Email Address	.net		Money Order#:
		10 11 0 1 - 11	1 711100
Make check payable to: DIRECTOR O	OF FINANCE OF HOWARI	oved Septic System Pla	Invoice Number: 105 44' 17
T:\Updated Forms\HVAC application Rev:0	9,2019 Howard	County Health Depart	m eni



Load Short Form Entire House TOTAL COMFORT HTG. & A/C, INC. Job:

M 2-1000, 98 1

Date: 2016

By:

12009 MARGARET DRIVE, HAGERSTOWN, MD 21742 Phone: 301-745-3700

Project Information

For

COVINGTON RESIDENCE

6752 SPRINGING STEP, COLUMBIA, MD 21044

Design Information								
	Htg Clg Infiltration							
Outside db (°F)	12	91	Method		Simplified			
Inside db (°F)	70	75	Construction quality		Average			
Design TD (°F)	58	16	Fireplaces		(
Daily range (-	M	1 · · · · · · · · · · · · · · · · · · ·					
Inside humidity (%)	30	50						
Moisture difference (gr/lb)	25	24						

HEATING EQUIPMENT

COOLING EQUIPMENT

Make Trade Model AHRI ref	WaterFurnace ENVISION2 SERIES NBV/NBH036**2*0 5296007			Make Trade Cond Coil	WaterFurnace ENVISION2 SERIES NBV/NBH036**2*0	3	
				AHRI ref	5296007		
Efficiency		3.9 COP		Efficiency		18.82 EER	
Heating inp	ut	7.5	kW	Sensible co	oling	22845	Btuh
Heating out		25606	Btuh	Latent cooli	ng	9791	Btuh
Temperatur		30	°F	Total cooling		32635	Btuh
Actual air flo	ow .	800	cfm	Actual air flo	ow .	800	cfm
Air flow facto	or	0.028	cfm/Btuh	Air flow facto	or	0.050	cfm/B

0.50 in H2O

Static pressure Space thermostat

Capacity balance point = 0 °F

Static pressure Load sensible heat ratio

Btuh 0.50 in H2O

0.87

Backup:

Input = 8 kW, Output = 28737 Btuh, 100 AFUE

ROOM NAME	Area	Htg load	Clg load	Htg AVF	Clg AVF
	(ft²)	(Btuh)	(Btuh)	(cfm)	(cfm)
FIRST FLOOR	960	17620	13275	491	665
BASEMENT	960	11118	2693	309	135
Entire House Other equip loads Equip. @ 0.96 RSM Latent cooling	1920	28737 0	15968 0 15393 2460	800	800
TOTALS	1920	28737	17853	800	800

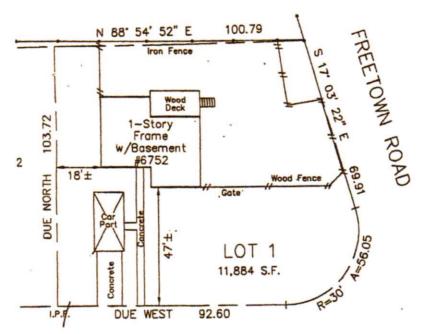
Bold/italic values have been manually overridden

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.



the accurate identification of property boundary lines, but intification may not be required for the transfer of title or in financing or re-financing.

- Flood Zone: "C"
- (2) No property corners found or set unless otherwise noted.
- (3) The accuracy of this survey and the apparent setback distances is 2±



SPRINGING STEP 50' R/W



LOCATION DRAWING

LOT 1

SECTION 1 AREA 3

VILLAGE OF HICKORY RIDGE

COLUMBIA

HOWARD COUNTY, MARYLAND

SURVEYOR'S CERTIFICATE

I hereby certify that the property delineated hereon is in accordance with the plat of subdivision and/or deed of record, that the improvements were located by accepted field practices and include permanent visible structures, if any. This plat is NOT FOR DETERMINING PROPERTY LINES OR FOR CONSTRUCTION OF IMPROVEMENTS, but prepared for exclusive use of present owners of property and also those who purchase, mortgage, or guarantee the title thereto, within six months from date hereof, and as to them I warrant the accuracy of this plat.

THIS SURVEY IS FOR TITLE PURPOSES ONLY

17110 00111721 101	OK THEE TOTA OCCOUNT
JOB# 02.0120H	DATE 3-1-02
FIELD PC	DRAFT DAB
	P.B. 25 P#15
	SCALE: 1"= 30"

R.C. KELLY & ASSOCIATES, INC.

ENGINEERS & SURVEYORS

10111 COLESVILLE ROAD, SUITE 133 SILVER SPRING, MARYLAND 20901 (301)593-8005 FAX (301)881-7216 E-MAIL: SUITE (BICKER) COM

Real Property Data Search

Search Result for HOWARD COUNTY

View Map View GroundRent Redemption							ion View GroundRent Registration						
Special	Tax Re	ecaptu	ire: None										
Account	Identif	ier:		Dist	rict - 15 A	ccount N	lumber - 032	2944					
							er Information	n					
Owner N	lame:				INGTON I			Use:	inal E	Reside	nco.	RESIDENTI YES	AL
Mailing A	Addros:	· ·							200	rence:		/09149/ 004	77
wailing /	Address	э.			UMBIA MI			Deeu	IVEIE	ence.		709 1497 004	
					Loc	cation & S	Structure Info	rmatic	n				
Premise	s Addre	ess:			SPRINGI UMBIA 21				Legal Description		Dn: LOT 1 11,848 6752 SPRING		
Мар:	Grid:	Parc	el: Neighbo	rhood	: Subc	livision:	Section:	Block: Lot:		Asse	ssment Year:	Plat No:	
0035	0024	0290	1501010	1.14	1107					1	2019		Plat Ref:
Town:	None												
Primar	y Struc	ture B	uilt Above	Grade	Living A	rea	Finished Bas	semer	nt Are	a	Proper	ty Land Area	County Use
1974			1,120 \$	SF		;	500 SF				11,848	1,848 SF	
Stories	Base YES	ment	Type STANDARD U	INIT	Exterior FRAME/	Quality 3	Full/Half E	Bath	Gara 1 Ca	ige rport	Last N	otice of Major	Improvements
							e Information	1					
				Base	Value		Value			Phase	e-in Ass	sessments	
							As of		As of			As of	
				1011010-12			01/01/2019			07/01	/2020	07/0	1/2021
Land:				148,2			226,800						
Improve Total:	ements			116,7			106,600			210 5	67	222	400
Prefere	ntial I a	nd:		264,900 0		333,400 0			310,567		567 333,400		400
1 101010	iitiai La	iliu.				Trans	fer Information	an.					
Caller	COVIN	CTON	MARK E					21.1				Price: \$0	
							5/04/2005	77					
Type: N	NON-AR	(IVIS LE	ENGTH OTHER			Deed 1:	/09149/ 0047	1				Deed2:	
Seller:	ELDER	MICH	AEL B			Date: 03/21/2002				Price : \$162,500			
Type: A	ARMS L	ENGT	H IMPROVED			Deed1:	/06070/ 0010)3				Deed2:	
Seller:	GRIM J	IOAN 7	Γ			Date: 04	4/16/1987	THE COLUMN TO SERVICE			**********	Price: \$0	
Type: A	ARMS L	ENGT	H IMPROVED			Deed1: /01643/ 00613				Deed2:			
			The second secon			Exemp	tion Informat	ion					
Partial E	xempt	Asses	sments:	Clas	s			07/01	/2020			07/01/2021	
County:				000				0.00					
State:				000				0.00					
Municip				000				0.000	0.00			0.00 0.00	
Specia	I Tax R	ecaptu	ıre: None										
							Application In	format	tion				
Homeste	ead App	plication	on Status: App	roved	01/05/20	10							
				- I	Homeowne	ers' Tax C	Credit Applica	ition In	form	ation			