clı 51108	SEQUENCE N (MDE USE ON	SIAI	E OF MARYLA	157 R.W	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
THIS NUMBER IS TO BE IN COLS. 3-6 ON ALL CAP			WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY PLEASE TYPE		COUNTY NUMBER 13
ST/CO USE ONLY DATE Received MM DD YY 8 13	DATE WELL C	OMPLETED	Depth of V 22 3 2 (TO NEAREST F	O 26	PERMIT NO. FROM "PERMIT TO DRILL WELL"  1-0 - 17 - 0 0 2 6  28 29 30 31 32 33 34 35 36 37
OWNER_SCAUW	man Res	ervoir ad	DAVID trat harme		na Fulton
SUBDIVISION_33	09	-	SECTION		LOT _3
	L LOG for driven wells	WELL HAS BEEN (Circle Appropriate	GROUTING RECORD	N N	C 3
STATE THE KIND OF FORM COLOR, DEPTH, THICKNES		TYPE OF GROUT	ING MATERIAL (Circle	and the same of	HOURS PUMPED (nearest hour)
DESCRIPTION (Use additional sheets if needed)	EBOM I TO I IN	vater aring NO. OF BAGS	19 NO. OF POUNT	45 48	PUMPING RATE (gal. per min.)
Brown Mica Gray Mica	9 2	GALLONS OF WA	211	.,,-	METHOD USED TO MEASURE PUMPING RATE
Brown Mica	2 95	from O	ft. to	320 ft.	WATER LEVEL (distance from land surface)
Grey Mica	45 320	casing	enter 0 if from surface) CASING RECORD		BEFORE PUMPING 17 20 ft.
4		types insert appropriate	STEEL	CONCRETE	WHEN PUMPING 22 25 ft.
		code below	PLASTIC	OTHER	TYPE OF PUMP USED (for test)
		CASING to	op (main) casing of m	ital depth nain casing arest foot)	A air P piston T turbine
i i		PL	6 0	60	C centrifugal R rotary O (describe below)
8)		60 61 E OT	63 64 66 HER CASING (if used) diameter dept	70 th (feet)	J jet S submersible
		*CH CA	inch from	to	PUMP INSTALLED  DRILLER INSTALLED PUMP YES NO
=		S			(CIRCLE) (YES or NO) IF DRILLER INSTALLS PUMP, THIS SECTION
		screen type or open hole	SCREEN RECORD		MUST BE COMPLETED FOR ALL WELLS.  TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O)  29
Tristalled (2)	geotherma		STEEL BRASS	OPEN	IN BOX 29. CAPACITY:
Installed (1)		code below	P L PLASTIC	O T	(to nearest gallon) 31 35
10 Sept. 10			DEPTH (nearest ft.)	OTHER	PUMP HORSE POWER  37  41  PUMP COLUMN LENGTH
NUMBER OF UNSUCCESS		= 1.2 Ho	58	320	(nearest ft.)  43  47  CASING HEIGHT (circle appropriate box
WELL HYDROFRACTURES		A 8 9 11	15 17	21	above) and enter casing height)
A WELL WAS ABANDO WHEN THIS WELL WA		B 23 24 26 S C 3	30 32	36	49 LAND SURFACE    Delow   2 (nearest)
E ELECTRIC LOG OBTAI	NED	R 38 39 41	45 47	51	49 foot)
WELL  I HEREBY CERTIFY THAT THIS W ACCORDANCE WITH COMAR 26.0	4.04 "WELL CONSTRUCTION	AND DIAMETER		EAREST	LATITUDE 3 9 . <u>/ 33 9 3 0</u> LONGITUDE 7 <u>6</u> . <u>9 4 6 4 9 /</u>
IN CONFORMANCE WITH ALL CO CAPTIONED PERMIT, AND THAT HEREIN IS ACCURATE AND CO KNOWLEDGE.	THE INFORMATION PRES	NTED STATE	56 60 rom to	CH)	(DEFAULT COORD. WGS 84) Pursuant to \$10-624 of the State Govt. Article of
ACCOUNTS OF THE PARTY OF THE PA	MW0572	I GRAVEL PACK			the Maryand Code personal info. requested on this form is used in processing this form pursuant
DATELLERS SIGNATURE	Correll	WAS FLOWING WELL INSERT F IN BOX 68	68	10	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
(MUST MATCH SIGNATURE	WR 0064	MDE USE ONLY (NOT TO BE FILL T	ED IN BY DRILLER) (E.R.O.S.)	wo	form. The Maryland Department of the Environment is subject to the Maryland Public Information Act. This form may be made
1	10	CHITTAGH YTHUCO	GILAWOH		available on the Internet via MDE's website and is subject to inspection or copying, in whole or in
SITE SUPERVISOR (sign. responsible for sitework it	driller or journeyman	TELESCOPE CASING	LOG INDICATOR	74 75 76 OTHER DATA	part, by the pulic and other governmental agencies, if not protected by federal or state law.
THE STATE OF THE S			ORIGINAL		

MDEWMA/PER.071

B 1	SEQUENCE NO.	STATE OF	MARYLAND	STATE PERMIT NUMBER	
	(MDE USE ONLY)		PERMIT TO DRILL WE	ما ما ما ما	
あったたか pleas			ase type	70 17 000	
1 2 3	4.6	المدالفات		fill in this form completely	
Date Beceived	OWNER INFO	DMATION	B 3 1 1 1 50	LOCATION OF WELL	
8 MM DD YY	13 OWNER INFO	NATION N	HOWO	ua	
Schun	nan Dav	11d + Irina	8 COUNTY	21	
15 Last Name	DY OMBATI	First Name 34	23 SUBDIVISION	42	
II KIUU	Ky Whit	Q		3	
36 avana	Street or RFD	00000 55	SECTION 44 46	LOT 48 50	
57 Town	70 State	72 ZO'1 10	. Fultor	1	
DRILLER INF		72 Zip 76	52 NEAREST TOWN	71	
Samuel D	+ Connelly	MW 0.572			
Priller's Name	is cornicity	76 License No. 81	B 4	0-0-0 .01	
('prinelly	+ ASSOCIOTES, I	nc.	SOURCES OF DRILLING WATER	8593 Kesenvoirka	
Firm Name	01-1 01 -5-1	La Ma Man	private	11 STREET ADDRESS 30	
200 INHE	istalect, Firear	nck, NOW 104	2	ON WHICH SIDE OF ROAD NORTH	
Address	nn n	2/23/17	"HCHD"	(CIRCLE APPROPRIATE BOX)	
Some	U. Connelly		112010 15000	WEST SEAST	
Signature B 2 WELL	INFORMATION	Date	- No one arrate	34 37 SOUTH DISTANCE FROM ROAD	
1 2	APPROX. PUMPING RATE		ter Brown G	ENTER FT OR MI 38 39	
The residence of the second of	(GAL. PER MIN.)	8 12	-computer	115 12 9	
(GAL PER DAY)	DUANTITY NEEDED 14	20		TAX MAP: 40 BLK: 10 PARCEL 1	
US	E FOR WATER ICIRCLE	PPROPRIATE BOX)		TO BE FILLED IN BY DRILLER	
D DOMEST	IC POTABLE SUPPLY & RESID	ENTIAL	HEAL	LTH DEPARTMENT APPROVAL	
	LIVESTOCK WATERING & AC	GRICULTURAL	HOWAK	(R)	
IRRIGATI			COUNTY NAME	SOUNTS NO.	
EE heled	MAL, COMMERCIAL, DEWATER	RING	STATE SIGNATURE	INSERT S-	
	VATER SUPPLY WELL		DATE ISSUED /		
T TEST, OBSERVATION, MONITORING			102/27/17	02/27/18	
O OPEN LOOP GEOTHERMAL C CLOSED LOOP GEOTHERMAL			43 MM / DO 1 4	SANATORIS EAR DATE	
CCCLOSED	LOOP GEOTHERMAL		DON: 3/1/17/6001	DOC: 3/7/17 @	
	20		PROP	OSED LOCATION OF WELL ON LOT	
APPROXIMATE DE			SHOW PERMANENT ST	RUCTURES SUCH AS BUILDINGS, SEPTIC SYSTEM,	
The second second second	24	28 NEAREST	T CONDIST	ANCE MEASUREMENTS TO WELL	
APPROXIMATE DI	AMETER OF WELL	O NEAREST	RESERVOIR	NDMARKS AND INDICATE NOT LESS THAN TWO ANCE MEASUREMENTS TO WELL	
STAGE CITY	METHOD OF DRILLING	G (circle one)	-	North SETTINE	
BORED (or Augere		Jetted & DRIVEN	A STATE OF	Lu on D	
30 AIR-ROTary	AIR-PERcussion	ROTARY (Hydraulic Rotary)		1	
37 CABLE	REVerse-HOTary	DRIve-POINT	FEBRUARY CAN	130	
other				Dannard P	
F	EPLACEMENT OR DEEP	PENED WELLS	The section was	56 TOGGS OFFIELD	
	(CIRCLE APPROPRIAT	ALCOHOLD CO. C.	The state of	133'	
THE THE WEST	WILL NOT REPLACE AN EXIS			431	
1 4 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	WILL REPLACE A WELL THAT D AND SEALED	WILL BE	170		
	WILL REPLACE A WELL THAT		/		
FOR POLICE	OBY-CONTACT LOCAL APPRO Y ON STANDBY WELLS	VING AUTHORITY		fursuant to \$ 10-624 of the State Govt. Article of the	
10	WILL DEEPEN AN EXISTING Y	WELL	sales is	Maryland Code, personal info requested on this form s used in processing this form pursuant to COMAR	
	OF WELL TO BE REPLACED		2	6.04.04. Failure to provide the info may result in	
(IF AVAILABLE)	4	52	Li Li	his form not being processed. You have the right to aspect, amend, or correct this form. The Maryland	
Not to be file	led in by driller (MDE OR	COUNTY USE ONLY)	T D	Department of the Environment is subject to the	
ARROOD DEDUK	MINIOCO	G	N N	Maryland Public Information Act. This form may be made available on the Internet via MDE's website and	
APPROP. PERMIT	NUMBER		is	subject to inspection or copying, in whole or in part	
	PERMIT No. # 0	-17-0026	b	y the public and other governmental agencies, if not rotected by federal or State Law.	
	70 /1	72 73 74 75 76 77 78 79	P	rotested by tractal of State Lam.	
SPECIAL COND	ITIONS .	Jest D		●	

C 1 51108 SEQUENCE NO. (MDE USE ONLY)			1.00	TATE OF MAR		THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.	
THIS NUMBER IS TO BE PUIN COLS. 3-6 ON ALL CARD		25.5000	LL IN THIS FORM COI PLEASE TYPE	MPLETELY	COUNTY NUMBER 13		
ST/CO USE ONLY DATE Received		WELL CO	PLETED		of Well	PERMIT NO. FROM "PERMIT TO DRIL, WELL"	
MM 00 YY	C	07	77	22 -2	20 28	HO 17 0026	
8 13	15		20	(TO NEAR	EST FOOT)	26 29 30 31 32 33 34 35 36 3	
OWNER_Schun	nat name			Diet name		144	
	9553	KES	CYOU B		TOWN	Cilled 7	
SUBDIVISION	100			SECTION	n yes no	LOT	
WELL LOG  Not required for driven wells			WELL HAS	GROUTING RECOR	YN	C 3	
STATE THE KIND OF FORMAT COLOR, DEPTH, THICKNESS		-	(Circle Appr	BEEN GROUTED opriate Box) ROUTING MATERIAL (C	44 44	PUMPING TEST	
A STATE OF THE STA					The state of	HOURS PUMPED (nearest hour)	
DESCRIPTION (Use additional sheets if needed)	FROM	TO bea	ng L	45 45 /45	45 46		
Tra Soil	0	2	NO. OF BAI		OUNDS/C	PUMPING RATE (gal. per min.)	
100		1	GALLONS O	GROUT SEAL (to nearer	of foot i	METHOD USED TO MEASURE PUMPING RATE	
Brown Mica	2 1	75	from	0	dow O to	III CONTRACTOR OF THE CONTRACT	
1 (5.47)	1.2		48	TOP 52 54 (enter 0 if from sur	BOTTOM 58	WATER LEVEL (distance from land surface)	
1 1-4 mica	45	-64	casing	OLONIO DECODO		BEFORE PUMPING 17 20 ft.	
- (			types	ि	TI CO		
			appropri	ate STE	EL CONCRETE	WHEN PUMPING 22 25 ft.	
			code	/ [P]		TYPE OF PUMP USED (for test)	
	1 1			PLAS	Contract of the contract of th	A air P piston T turbine	
			MAIN		Total depth of main casing	27 27 other	
		- 1	TYPE		(nearest foot)	C centrifugal R rotary (describelow)	
	1 1		60 61	63 64 6	6 70		
			60 61	OTHER CASING (if u	- "	J jet S submersible	
			â	diameter	depth (feet)	2 2	
			H C	inch f	rom to	PUMP INSTALLED	
			A			DRILLER INSTALLED PUMP YES NO (CIRCLE) (YES or NO)	
		- 1	N			IF DRILLER INSTALLS PUMP, THIS SECTION	
	1		-			MUST BE COMPLETED FOR ALL WELLS.	
	1 1	1	screen ty or open h			TYPE OF PUMP INSTALLED	
Sec. 11 1 201	l		/ insert	SIII B	R HO	PLACE (A,C,J,P,R,S,T,O) 29 IN BOX 29.	
Installed (1)	99011	crma1	/ appropria	STEEL BRA		CAPACITY: GALLONS PER MINUTE	
1000 to 3200			code			(to nearest gallon) 31 3	
1661				PLAS	IIC OTHER	PUMP HORSE POWER	
		-	C 2	DEPTH (nearest ft	)	PUMP COLUMN LENGTH 37 4	
NUMBER OF UNSUCCESSF	UL WELLS:		- 1 2 1	5 (3	370	(nearest ft.)	
WELL HYDROFRACTURED	ye Y	_	E 8 9	11 15		CASING HEIGHT (circle appropriate box	
		-	dê,			+ above and enter casing height)	
A A WELL WAS ABANDONE			F 23 24	26 30	32 36	49 LAND SURFACE	
WHEN THIS WELL WAS		)	C 3			below ineares	
P TEST WELL CONVERTED		JCTION	E	41 45	67 51	49 50 51	
WELL I HEREBY CERTIFY THAT THIS WEL	t HAD DEEN	COLICER INTE	E SLOT SIZ	E 1 2 5		LATITUDE 3 2. 1. 13.130	
ACCORDANCE WITH COMAR 26.64.0 IN CONFORMANCE WITH ALL CONG	H "WELL CON	STRUCTION"	DIAMETE		(NEAREST	LONGITUDE 7 6. 1 46491	
CAPTIONED PERMIT, AND THAT THEREIN IS ACCURATE AND COM	HE INFORMA	TION PRESEN	D OF SOME	56 64	_ INCH)	(DEFAULT COORD, WGS 84)	
KNOWLEDGE.	104	- 14 -	-	from	to	Pursuant to \$10-624 of the State Govt. Article of the Maryand Code personal info. requested on	
DRILLERS LIC. NO.1	2 12	GRAVEL PACK IF WELL DRILLE			this form is used in processing this form pursuant		
Grand G.	elle	WAS FLOWING I	WELL	68	to COMAR 26,04,04. Failure to provide the info. may result in this form not being processed. You		
ORILLERS SIGNATURE (MUST MATCH SIGNATURE OF	N APPLICATION	ON)	MDE USE C	DNLY		have the right to inspect, amend, or correct this form. The Maryland Department of the	
LIC. NO.1	LA D	OFH	(NOT TO BE	(E.R.O.S.)	W Q	Environment is subject to the Maryland Public	
	1.5		100	(6.11.0.0.)	*** 4	Information Act. This form may be made available on the Internet via MDE's website and is	
CITE CUIDEDWOOD CO.	Carren	1	70	72	-	subject to inspection or copying, in whole or in	
SITE SUPERVISOR (sigh, of responsible for sitework if diff			TELESCOPE	LOG	74 75 76 OTHER DATA	part, by the pulic and other governmental agencies, if not protected by federal or state law.	
			CASING	MUNCATUR	UTHER DATA		



260 Interstate Court, Frederick, Maryland 21704 - 301-696-8820 - www.connellygeothermal.com

Howard County Bureau of Environmental Health 8930 Stanford Boulevard Columbia, MD 21045

March 23, 2017

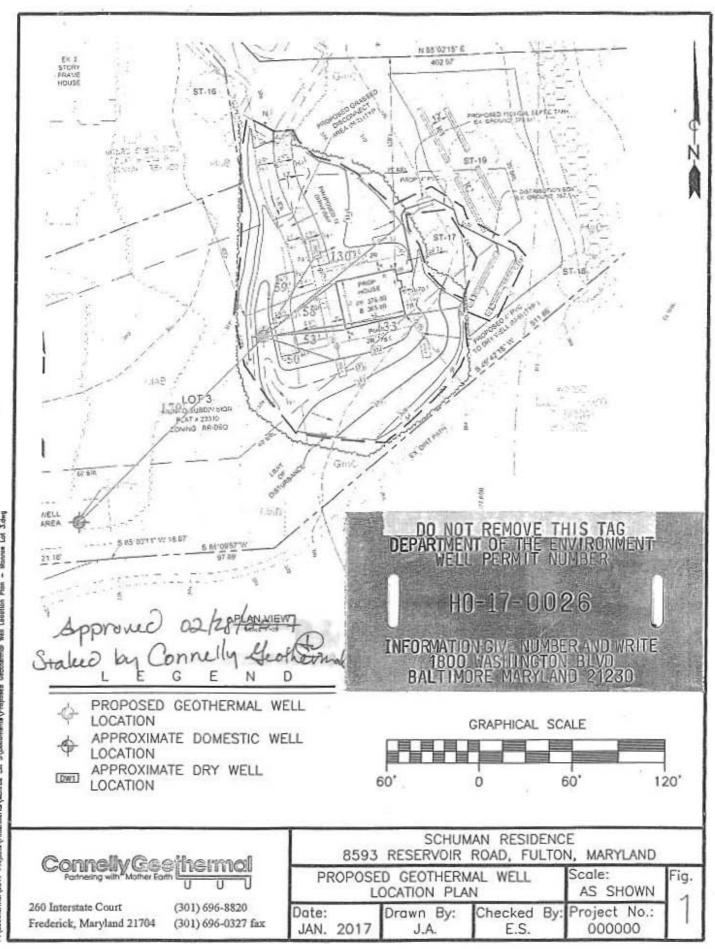
RE: Geothermal Well Completion Report / HO-15-0026

Please find enclosed the Well Completion Report for the above referenced well tag number.

Thank you,

Josh Abril

Project Manager



PAGeothermot/2017 Projecte/FoliabWerls/Morror Let 3/Decemberls/Demined Conference Wall formally the