C 1 37037 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 PUNCHED IN COLS. 3-6 ON ALL CARDS)		COUNTY	
DATE WELL COMP	Depth of Well Depth of Well TO NEAREST FOOT) 20 20 20 20 20 20 20 20 20 2	PERMIT NO. FROM "PERMIT TO DRILL WELL" -	
OWNER_ MICINOOR	Darle	and the second s	
WELL SITE ADDRESS 75510 F	Paw (vai) first name TOWN	Woodbine	
SUBDIVISION FOX YOU	SECTION	LOT	
WELL LOG Not required for driven wells	WELL HAS BEEN GROUTED Y	C 3	
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING	WELL HAS BEEN GROUTED (Circle Appropriate Box) TYPE OF GROUTING MATERIAL (Circle one)	PUMPING TEST	
FEET check	CEMENT CM BENTONITE CLAY BC	HOURS PUMPED (nearest hour)	
DESCRIPTION (Use additional sheets if needed) FROM TO bearing	NO. OF BAGS 45/2 NO. OF POUNDS 45 45	PUMPING RATE (gal. per min.)	
moist SHFF 0' 5'	GALLONS OF WATER	11 16	
Brown Fing	DEPTH OF GROUT SEAL (to nearest foot)	METHOD USED TO MEASURE PUMPING RATE	
Sordy Silt	from 6 ft. 10 7 7 6 ft.	WATER LEVEL (distance from land surface)	
Moist Stiff 151 351	(enter 0 if from surface)		
Fine Sandy	casing CASING RECORD	BEFORE PUMPING 17 20 IL	
Micacous Silt	insert SII CO	WHEN PUMPING tt.	
W/LOIMS OF	code DII OIT	22 25 25 PUID 1950 (Fe test)	
10112	Delow PLASTIC OTHER	TYPE OF PUMP USED (for test) A air P piston T turbine	
Weckhaler Cach	MAIN Nominal diameter Total depth CASING lop (main) casing of main casing	27 27 27	
1 1 21 82'	TYPE (nearest lnch)! (nearest foot)	C centrifugal R rotary O (describe	
Clear Mered SI		27 27 below)	
Rat	60 61 63 64 66 70	J jet S submersible	
AND THE PERSON NAMED IN COLUMN TO PERSON.	OTHER CASING (if used) diameter depth (feet)		
D-6 PZ 220	H inch from to	PUMP INSTALLED	
	Š Š	DRILLER INSTALLED PUMP YES NO	
A HALL IN THE OUT OF THE	N COLUMN	(CIRCLE) (YES or NO)	
	G	IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.	
	screen type SCREEN RECORD	TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) 29	
1 V (- Homel	or open hole ST BR HO OPEN	IN BOX 29.	
6x Geomerman	appropriate BRONZE HOLE	CAPACITY: GALLONS PER MINUTE	
	below PLOT	(to nearest gallon) 31 36	
ALE AND THE TAKEN MEETING TON	PLASTIC OTHER	PUMP HORSE POWER	
NUMBER OF UNCLOSEDED WELLS	C 2 DEPTH (nearest ft.)	PUMP COLUMN LENGTH	
NUMBER OF UNSUCCESSFUL WELLS:	1, 1 to 1	(nearest ft.) 43 47	
WELL HYDROFRACTURED Y	A 8 9 11 15 17 21	CASING HEIGHT (circle appropriate box and enter casing height)	
CIRCLE APPROPRIATE LETTER	G 2	+ above LAND SURFACE	
A WELL WAS ABANDONED AND SEALED	23 24 26 30 32 36 S	below (nearest)	
E ELECTRIC LOG OBTAINED	C 3 R 38 39 41 45 47 51	49 50 51 foot)	
P TEST WELL CONVERTED TO PRODUCTION WELL	E SLOT SIZE 1 3	LATITUDE 3 9.315266	
THERBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMMAN 25 04 04 "WELL CONSTRUCTION" AND	DIAMETER (NEAREST	LONGITUDE 7 7.046133	
IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED	OF SCREEN INCH)	(DEFAULT COORD, WGS 84)	
HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE	56 60 from to	Pursuant to \$10-624 of the State Govt. Article of	
DRILLERS LIE NOV MWD580 1	GRAVES PACK	the Maryand Code personal info, requested on this form is used in processing this form pursuant	
Alla -	IF WELL DRILED WAS FLOWING WELL	to COMAR 26.04.04. Faffure to provide the info.	
DRILLERS SIGNATURE	INSERT F IN BOX 66 60	may result in this form not being processed. You have the right to inspect, amend, or correct this	
(MUST MATCH SIGNATURE ON APPLICATION)	MDE USE ONLY (NOT TO BE FILLED IN BY PRILLER)	form. The Maryland Department of the Environment is subject to the Maryland Public	
LIC. NO.1 D 1	T (E.R.O.S.) W Q	Information Act. This form may be made	
	70 72	available on the Internet via MDE's website and is subject to inspection or copying, in whole or in	
SITE SUPERVISOR (sign, of driller or journeyman seeponsible for sitework if different from permittee)	TELESCOPE LOG 74 75 76	part, by the pulic and other governmental agencies, if not protected by federal or state law.	
responsible for sitework if different from permittee)	CASING INDICATOR OTHER DATA	-gracies, it not protected by teneral of state law.	

B 1	SEQUENCE NO.	STATE OF	MARYLAND	STATE PERMIT NUMBER
The State of the S	(MDE USE ONLY)	THE RESIDENCE OF THE PROPERTY	ERMIT TO DRILL WELL	1/0 17 - 22-22
45947		niea	se type	70 70
1 2 3	6	W562318		fill in this form completely
Date Received (AF		川田田田田田田田田田	B 3 /	LOCATION OF WELL
8 WM DD YY	OWNER INFO	DRMATION	Howard	
Maria		Deceall	8 COUNTY	21
15 Last Name	Owner	First Name 34	FOX DOUL)
15010	F - To	1	23 SUBDIVISION	42
36	Street or RFD	55	SECTION L	LOT 1 18 1
1 look in	m	2/24/2	44 46	48 50
57 Town	70 State	72 Zip 76	1 Wado	int
DRILLER INFO	DRMATION	AND A TOTAL OF MAIN	52 NEAREST TOWN	71
- Fdered	GUES	MWD SEO,		
Driller's Name	-003	76 License No. 81	B 4	
Inc/or	en Oillin		SOURCES OF DRILLING WATER	155 in Formar toil.
Firm Name	an Villing	1, 11, 11, 11, 11, 11, 11, 11, 11, 11,	1. Kulotic	11 STREET ADDRESS 30
177701/1	10 Green Dike	SheA Glonfon	2	ON MUNICH SIDE OF BOAD NORTH
Address	97	121057	3.	ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
Sill		10/20/17		WESTER
Signature	She will be	Date		34 3 10 37 SOUTH
	NFORMATION	医热度 节花 下水		DISTANCE FROM ROAD
	APPROX. PUMPING RATE GAL. PER MIN.)	8 12		ENTER FT OR MI 38 39
AVERAGE DAILY OF			Color Addition	TAX MAP: 14 BLK: 3 PARCEL Z3 3
(GAL PER DAY)	14	20		The man - 2 - oth - Throne - o
USE	FOR WATER ICIRCLE	APPROPRIATE BOX)		O BE FILLED IN BY DRILLER
D DOMESTIC	POTABLE SUPPLY & RESID	DENTIAL	HEALT	TH DEPARTMENT APPROVAL
and the state of t	(LIVESTOCK WATERING & A	CDICLUTUDAL	HOWARD	(ALL)
F FARMING (IGRIGOLTURAL	COUNTY NAME	COUNTY NO.
22 I INDUSTRIA	AL, COMMERCIAL, DEWATE	RING	STATE	1
Committee of the Commit	ATER SUPPLY WELL		SIGNATURE	INSERT S 41
T TEST, OBS	SERVATION, MONITORING		DATE ISSUED	- AND 11/27/18,
O OPEN LOC	OP GEOTHERMAL		43 MM DO VY 48	CO SIGNATURE EXP. DATE
C CLOSED L	OOP GEOTHERMAL	x Gethern		
		AS IS USED TO A STATE OF THE ST		
	71			SED LOCATION OF WELL ON LOT
APPROXIMATE DEP	TH OF WELL 24	28 FEET		UCTURES SUCH AS BUILDINGS, SEPTIC SYSTEM, DMARKS AND INDICATE NOT LESS THAN TWO
ARREST MALE DATE		(NEAREST	DICTAL	NCE MEASUREMENTS TO WELL A DITTO
APPROXIMATE DIAI	WEIER OF WELL	INCH		Ispany a wey
D. D. A	METHOD OF DRILLIN	G (circle one)	Protection lands	the committee of the same of the same
BORED (or Augered)		Jetted & DRIVEN	1 1 1	7200
30 AIR-ROTary	AIR-PERcussion	ROTARY (Hydraulic Rotary)		HULL 180
37 CABLE	REVerse-ROTary	DRIVE-POINT		
other			3	
	EDI ACEMENT OD DES	DENED WELLS	00	
C HE	CIRCLE APPROPRIA		1	. : : : : : : : : : : : : : : : : : : :
THIS WELL W	VILL NOT REPLACE AN EXIS		(0)	
	VILL REPLACE A WELL THA		Y	
	AND SEALED	CHANGE LAND		
	VILL REPLACE A WELL THA		/	
NO A STANDE	BY-CONTACT LOCAL APPRO ON STANDBY WELLS	JVING AUTHORITY		rsuant to § 10-624 of the State Govt. Article of the
	VILL DEEPEN AN EXISTING	WELL	Ma	ryland Code, personal info requested on this form sed in processing this form pursuant to COMAR
	OF WELL TO BE REPLACED	OR DEEPENED 15	26.0	04.04. Failure to provide the info may result in
(IF AVAILABLE) 4	"	52	N this	form not being processed. You have the right to
Not to be fille	ed in by driller (MDE OR	COUNTY USE ONLY)	A insp	pect, amend, or correct this form. The Maryland partment of the Environment is subject to the
A			Ma	ryland Public Information Act. This form may be
APPROP. PERMIT N	NUMBER	G		de available on the Internet via MDE's website and
		1	1s st	ubject to inspection or copying, in whole or in part, the public and other governmental agencies, if not
LONG BELL	PERMIT No. 70 71	72 73 74 75 76 77 78 79	pro	tected by federal or State Law.
SPECIAL CONDIT	CONTRACTOR OF THE PARTY OF THE	12 13 14 13 16 11 18 19	The Park of the State of the St	HE MAN THE STATE OF THE STATE O
THE WORLD DOING!	1.001.100			A



Bureau of Environmental Health

8930 Stanford Blvd, Columbia, MD 21045 Main: 410-313-2640 | Fax: 410-313-2648 TDD 410-313-2323 | Toll Free 1-866-313-6300 www.hchealth.org

Facebook: www.facebook.com/hocohealth Twitter: HowardCoHealthDep

Dr. Maura J. Rossman, M.D., Health Officer

NOTICE OF VIOLATION

SENT VIA CERTIFIED MAIL: RETURN RECEIPT REQUESTED 7004 1160 0002 3409 5615

February 6th, 2018

Edward Gross MWD 580 Long Green Drilling 12238 Long Green Pike Suite A Glen Arm, MD 21057

RE: Failure to notify the Health Department of drilling activities

15510 Foxpaw Trail Woodbine, MD 21797 Tax Map 0014, Grid 0003, Parcel 0233

Dear Edward Gross,

Please read the following timeline of the events regarding the cluster of geothermal bores at 15510 Foxpaw Trail:

On 11/21/2017, a site visit was made to the property to inspect the staking of the cluster wells. Stakes 2 and 3 were moved to meet 20' setback from building foundation. The Maryland Department of the Environment (MDE) well permit was approved and sent via mail to the driller.

On 01/25/2018, the completion report was received in the Howard County Environmental Health Office for the geothermal bores that were drilled.

During the time period from the release of the MDE well permit on 11/22/2017 to the accessioning of the MDE well completion report on 01/25/2018, the Howard County Health Department Well and Septic program was not notified of well drilling activities.

The Code of Maryland Regulations (COMAR) 26.04.04.14B(2) states:

[Of] Nonpotable, monitoring, and Geothermal Wells, (2) The permittee shall notify the Approving Authority on the business day prior to commencing well drilling activities of geothermal wells.

Mr. Gross is in violation of the above referenced section of COMAR.

On February 5th, 2018 I notified Mr. John Boris with the Maryland Department of the Environment Wastewater Permits Program of these actions. Mr. Boris stated that Mr. Gross is in violation of COMAR section 26.04.04.14B(2).

This Notice of Violation is issued based on the referenced section of COMAR. Given these findings, the next step will be a meeting between Mr. Gross, Mr. Boris and the Health Department. This meeting will discuss the situation in full detail including explanations and compliance. Please contact the Health Department with 15 days of receipt of this notice to schedule a meeting.

If you have any questions regarding this letter, please contact me at the Bureau of Environmental Health at 410-313-1771.

Sincerely,

Joseph C. Cabahug - LEHS
Environmental Health Specialist

Howard County Health Department - Well & Septic Program
Bureau of Environmental Health
8930 Stanford Blvd.

Columbia, MD 21045

Cc: Maryland Department of the Environment, John Boris Executive Director, Maryland Board of Well Drillers, Elaine Nolen Homeowner, Darrell McIndoe File

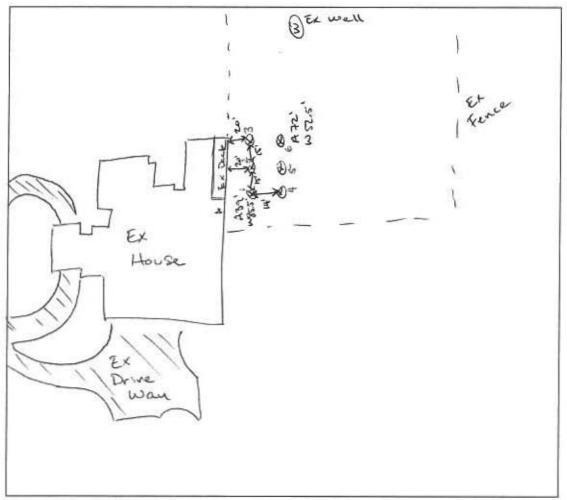
FILE INQUIRY NOTES ISSIO FOR PLUD THE

DATE	DECIT TO OF PERSON FOR
	RESULTS OF REVIEW FOR FILE
1-1-0	410 510 7216 - Google 1sting incorrect
	143 372 5759 - Website phone # out of Service
	10:15 - Z cell attempts
	-12:00 Met in feld @ 14671 V. burnum Dr
	OFFice is a mess. Has a secretary.
	Usually reaches out in purson for
	potable danking activities, they
	inspector is 2) Prevent (D)
2/5/18 0	lled J. Boris Confronted Welston
17	Recommended Lefter of Har
	Called and Carlot and Called and
- 6	Cette notification or full Nova
46/18	
No	Sent out Cert Mail # 7004 1160 0002 3409 5618
21419	Tirty Allemont 1913
Cas	el w/ Driller - First attempt 09:30
	D Contan Policy
	El Completion Report Approved - Scanned W/NOV
1.1	
4/6/18 Ca	Il of ED Show of long Green Q
	Extens Pelicy
	Or Completion Report Approved
2/20/18 Co	
40/18 CC	impletion Report sent for Scan 4/ Non De

SITE INSPECTION SHEET

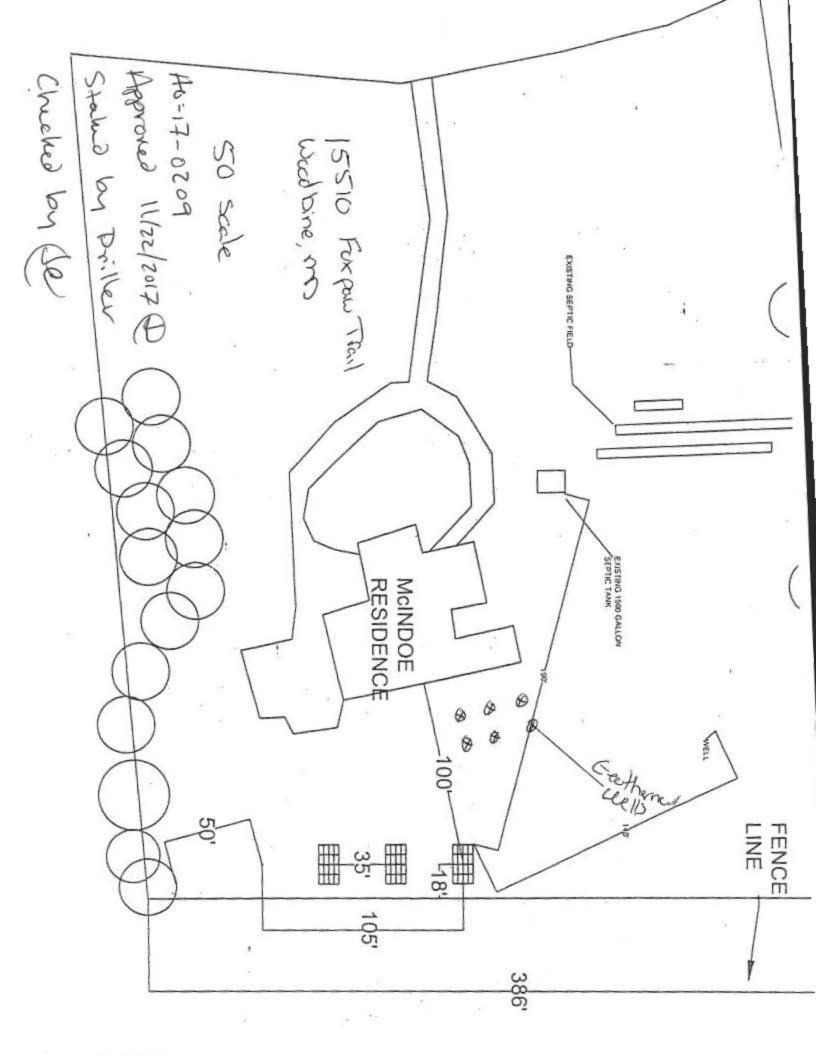
OWNER: Darnell Melndoe	PHONE #: - 410 409 2260
ADDRESS: 15510 Fox Paw Trail	CONTRACTOR: Long Green Dolling
woodbine, MD	WELL TAG #: #0-17-02 09
SUBDIVISION: N/A LOT: N/A	COUNTY #:
PROPOSAL: Construct 6 Bore vert	ical geothermal loops.

LOCATION DIAGRAM



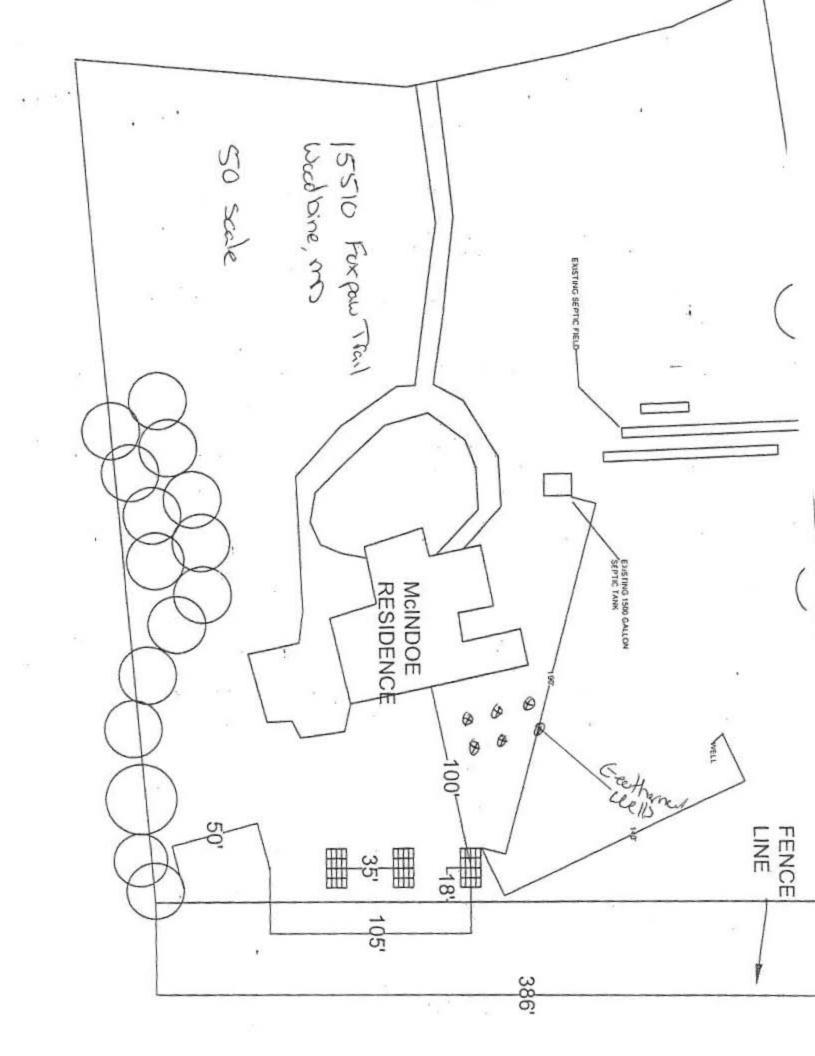
comments: 11/21/2017 Adjusted Lee well stakes 2 and 3
to meet 20' from foundation setback.

DATE: 11/21/2017 INSPECTOR: asoft Deah of



Bore hole Cross Section

14" HDPE Gentop Fround suctace Filled with Bentonite * Growt MIXTURE 15 20% Solids Remonte Clay Clay. Zlos per sallen of Water. Placed From Bothern of Bombole to J. 1 -51/2-1





HOWARD COUNTY HEALTH DEPARTMENT

62318

lane and	4/	10/17	13372 - 3
org tyrice	CTA	PHONE	# -3/2
For WCCO	orno	1.15516	Foypa
4			TRAIN
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Received By	unas	CO Sty	77