

C131788

SEQUENCE NO.
(MDE USE ONLY)

STATE OF MARYLAND
WELL COMPLETION REPORT
FILL IN THIS FORM COMPLETELY
PLEASE TYPE

THIS REPORT MUST BE SUBMITTED WITHIN
45 DAYS AFTER WELL IS COMPLETED.

COUNTY
NUMBER

1236
(THIS NUMBER IS TO BE PUNCHED
IN COLS. 5-6 ON ALL CARDS)

ST/CO USE ONLY
DATE Received
MM DD YY
8 13

DATE WELL COMPLETED
MM DD YY
12 26 14

Depth of Well
22 400 26
(TO NEAREST FOOT)

PERMIT NO.
FROM "PERMIT TO DRILL WELL"
Ho-14-0176
28 29 30 31 32 33 34 35 36 37

OWNER Barkow, Sarah + Kalb, Joshua

WELL SITE ADDRESS 10122 Westleigh Dr. TOWN Columbia

SUBDIVISION Donleigh SECTION 2 LOT 3

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	
Topsoil	0	1	
Silt: Brn. f.	1	20	
Sand, tr. clay			
Bedrock: Quartz	20	400	
Menzonite			
white, v. hard			
wet			

Installed 1.25" x 400"
Closed loop hdpe screen
U-Bend.

GROUTING RECORD

WELL HAS BEEN GROUTED
(Circle Appropriate Box)

TYPE OF GROUTING MATERIAL (Circle one)

CEMENT ☒ CM BENTONITE CLAY ☒ BC

NO. OF BAGS 19 NO. OF POUNDS 950

GALLONS OF WATER 361

DEPTH OF GROUT SEAL (to nearest foot)

from 0 ft. to 400 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 depth (feet)

inch from to

EACH CASING

SCREEN RECORD

screen type or open hole

(insert appropriate code below)

☒ ST STEEL ☒ BR BRASS ☒ HO OPEN HOLE

☒ PL PLASTIC ☒ OT OTHER

C2

DEPTH (nearest ft.)

1 8 9 11 15 17 21

2 23 24 26 30 32 36

3 38 39 41 45 47 51

SLOT SIZE 1 2 3

DIAMETER OF SCREEN (NEAREST INCH)

56 60

from to

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

C3

PUMPING TEST

HOURS PUMPED (nearest hour) N/A

PUMPING RATE (gal. per min.) N/A

METHOD USED TO MEASURE PUMPING RATE

WATER LEVEL (distance from land surface)

BEFORE PUMPING N/A ft.

WHEN PUMPING N/A ft.

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 (CIRCLE) (YES or NO) YES ☒ 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 } LAND SURFACE

☒ - below } -3 (nearest foot)

LATITUDE 39.183524

LONGITUDE 76.863517

(DEFAULT COORD. WGS 84)

NOTES:

Geo-Well #1

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED ☒ YES ☒ NO

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. MWD572

DRILLERS SIGNATURE Samuel A. Connolly

(MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. D

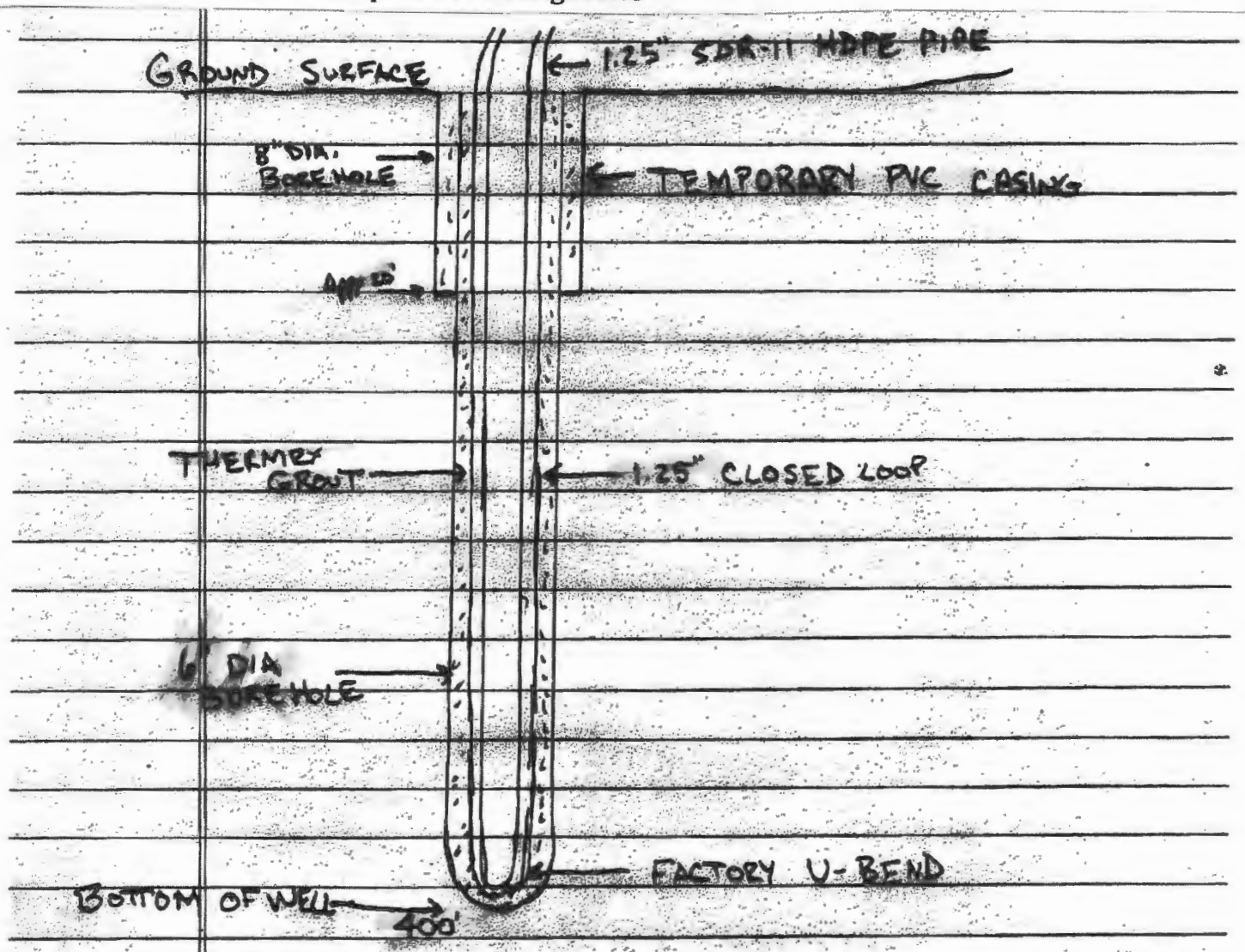
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

B 1 1 2 3 6 26254	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type 555346	STATE PERMIT NUMBER HO - 14 - 0176 fill in this form completely
Date Received (APA) 12 12 14 8 MM DD YY 13 OWNER INFORMATION 15 Last Name Barkow, Sarah + Kalb, Joshua 34 36 Street or RFD 10122 Wesleigh Dr. 44 57 Town Columbia 70 State MD 72 Zip 21046 76		B 3 LOCATION OF WELL 8 COUNTY Howard 21 23 SUBDIVISION Donteigh 42 SECTION 2 44 46 LOT 3 48 50 52 NEAREST TOWN Columbia 71	
DRILLER INFORMATION Driller's Name Samuel A. Connelly MW D 572 76 License No. 81 Firm Name Connelly & Associates, Inc. Address 2160 Interstate Ct. Frederick, MD Signature Samuel A. Connelly 21704 Date 11/25/14		B 4 SOURCES OF DRILLING WATER 1. Public 2. 3. ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH <input checked="" type="checkbox"/> WEST <input type="checkbox"/> EAST <input type="checkbox"/> SOUTH <input type="checkbox"/> 11 STREET ADDRESS 10122 Wesleigh Dr. 30 13 40 97 DISTANCE FROM ROAD 40 FT ENTER FT OR MI 38 39 TAX MAP: 42 BLK: E PARCEL 242	
B 2 1 2 WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.) 8 12 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 14 20		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL COUNTY NAME Howard COUNTY NO. (3) STATE SIGNATURE _____ INSERT S → 41 DATE ISSUED 12/19/14 12/19/15 43 MM DD YY 48 CO SIGNATURE _____ EXP. DATE	
USE FOR WATER (CIRCLE APPROPRIATE BOX) [D] DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION [F] FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) 22 [I] INDUSTRIAL, COMMERCIAL, DEWATERING [P] PUBLIC WATER SUPPLY WELL [T] TEST, OBSERVATION, MONITORING [O] OPEN LOOP GEOTHERMAL [C] CLOSED LOOP GEOTHERMAL		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 	
APPROXIMATE DEPTH OF WELL 400 FEET 24 28 APPROXIMATE DIAMETER OF WELL 6 INCH METHOD OF DRILLING (circle one) BORED (or Augered) JETTED Jetted & DRIVEN 30 AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary) 37 CABLE Reverse-ROTARY Drive-POINT other _____		REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) [N] THIS WELL WILL NOT REPLACE AN EXISTING WELL [Y] THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED 39 [S] THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS [D] 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 _____ G _____ PERMIT No. HO-14-0176 70 71 72 73 74 75 76 77 78 79			
SPECIAL CONDITIONS GROUT bottom to top w/ Tremie pipe to bottom NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED GROUT must be called in for inspection			

Connelly Geothermal

Partnering with Mother Earth

Geothermal Closed Loop - 10122 Wesleigh Drive



Grout information for this property is as follows:

Thermex grout mixture of 50 lb. grout to 17 gallons water, placed in the well using the tremmie method, from bottom to top.

OK

#20

CURVE DATA			
No.	Radius	Length	Chord
1	100.00	100.00	100.00
2	100.00	100.00	100.00
3	100.00	100.00	100.00
4	100.00	100.00	100.00
5	100.00	100.00	100.00
6	100.00	100.00	100.00
7	100.00	100.00	100.00
8	100.00	100.00	100.00
9	100.00	100.00	100.00
10	100.00	100.00	100.00
11	100.00	100.00	100.00
12	100.00	100.00	100.00
13	100.00	100.00	100.00
14	100.00	100.00	100.00
15	100.00	100.00	100.00
16	100.00	100.00	100.00
17	100.00	100.00	100.00
18	100.00	100.00	100.00
19	100.00	100.00	100.00
20	100.00	100.00	100.00
21	100.00	100.00	100.00
22	100.00	100.00	100.00
23	100.00	100.00	100.00
24	100.00	100.00	100.00
25	100.00	100.00	100.00
26	100.00	100.00	100.00
27	100.00	100.00	100.00
28	100.00	100.00	100.00
29	100.00	100.00	100.00
30	100.00	100.00	100.00
31	100.00	100.00	100.00
32	100.00	100.00	100.00
33	100.00	100.00	100.00
34	100.00	100.00	100.00
35	100.00	100.00	100.00
36	100.00	100.00	100.00
37	100.00	100.00	100.00
38	100.00	100.00	100.00
39	100.00	100.00	100.00
40	100.00	100.00	100.00
41	100.00	100.00	100.00
42	100.00	100.00	100.00
43	100.00	100.00	100.00
44	100.00	100.00	100.00
45	100.00	100.00	100.00
46	100.00	100.00	100.00
47	100.00	100.00	100.00
48	100.00	100.00	100.00
49	100.00	100.00	100.00
50	100.00	100.00	100.00

COORDINATE TABLE			
No.	East	North	Dist.
1	100.00	100.00	100.00
2	100.00	100.00	100.00
3	100.00	100.00	100.00
4	100.00	100.00	100.00
5	100.00	100.00	100.00
6	100.00	100.00	100.00
7	100.00	100.00	100.00
8	100.00	100.00	100.00
9	100.00	100.00	100.00
10	100.00	100.00	100.00
11	100.00	100.00	100.00
12	100.00	100.00	100.00
13	100.00	100.00	100.00
14	100.00	100.00	100.00
15	100.00	100.00	100.00
16	100.00	100.00	100.00
17	100.00	100.00	100.00
18	100.00	100.00	100.00
19	100.00	100.00	100.00
20	100.00	100.00	100.00
21	100.00	100.00	100.00
22	100.00	100.00	100.00
23	100.00	100.00	100.00
24	100.00	100.00	100.00
25	100.00	100.00	100.00
26	100.00	100.00	100.00
27	100.00	100.00	100.00
28	100.00	100.00	100.00
29	100.00	100.00	100.00
30	100.00	100.00	100.00
31	100.00	100.00	100.00
32	100.00	100.00	100.00
33	100.00	100.00	100.00
34	100.00	100.00	100.00
35	100.00	100.00	100.00
36	100.00	100.00	100.00
37	100.00	100.00	100.00
38	100.00	100.00	100.00
39	100.00	100.00	100.00
40	100.00	100.00	100.00
41	100.00	100.00	100.00
42	100.00	100.00	100.00
43	100.00	100.00	100.00
44	100.00	100.00	100.00
45	100.00	100.00	100.00
46	100.00	100.00	100.00
47	100.00	100.00	100.00
48	100.00	100.00	100.00
49	100.00	100.00	100.00
50	100.00	100.00	100.00

side plank
and 1/2" x 8" spurs

SECTION TWO DONLEIGH

OWNER AND DEVELOPER
DONALD B. STUBBINS & MRS. L. J. STUBBINS
ELLICOTT CITY, MARYLAND

APRIL 12, 1955
SCALE: 1" = 100'

RED JUNE 1955

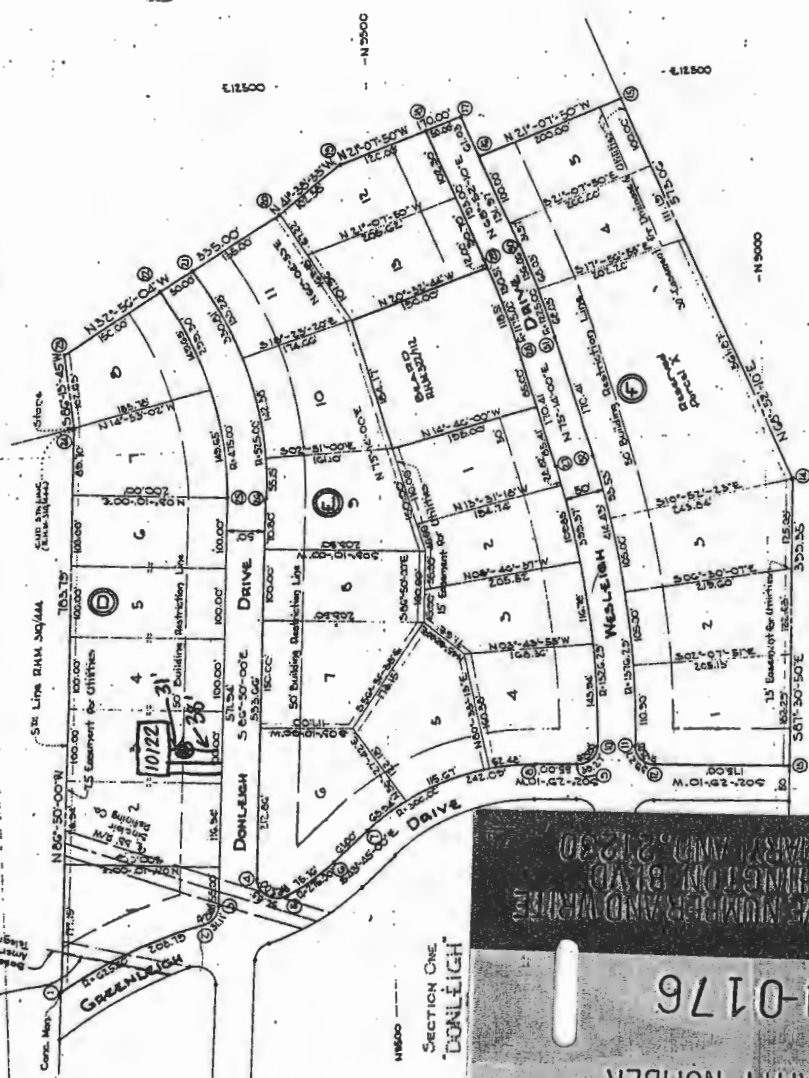


PURDON & SCHUCHMAN
ENGINEERS
21 Church Road
Ellicott City, Maryland

ENGINEER'S CERTIFICATE:
I, Carl A. Schuchman, hereby certify that the plan shown herein is correct and that it is a subdivision of a part of the land which by deed dated August 11, 1954, was conveyed to the said Donald B. Stubbins & Mrs. L. J. Stubbins, and that the same is in accordance with the requirements of Section 21A, Article 14 of the annotated Code of Maryland (as amended) as far as they apply to the making of this plat have been complied with.

OWNER'S CERTIFICATE:
We, Donald B. Stubbins and Mrs. L. J. Stubbins, owners of the property shown and described herein, adopt this plan of subdivision and reserve the fee simple title to the lands of the streets and other roads shown herein, and in consideration of the fact that we have hereby given and grant unto the Board of Public Works of the County of Howard the right and option to acquire for the consideration of five dollars, the fee simple title to the lands of the streets and other roads shown herein within the period of five years from the date of the recording of this plat, and we hereby certify that the same are in accordance with the requirements of Section 21A, Article 14 of the annotated Code of Maryland (as amended) as far as they apply to the making of this plat have been complied with.

APPROVED: DONALD B. STUBBINS
DIRECTOR
DATE: 5/19/57
APPROVED: L. J. STUBBINS
DATE: 5/19/57
APPROVED: S. C. MALL
DATE: 5/19/57



NOTE:
The origin of the coordinates shown herein is assumed.

DO NOT REMOVE THIS TAG
WELL PERMIT NUMBER
HO-14-0176
INFORMATIONAL NUMBER AND WRITE
BY TOWN OF WASHINGTON
DATE: 5/19/57



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

Howard County Health Dept.
Bureau of Environmental Health
Ascend One Bldg
8930 Stanford Blvd.
Columbia, MD 21045

November 25, 2014

RE: Geothermal Well Permit Application / 10122 Wesleigh Drive

To Whom it Concerns:

Please find enclosed the well application, cross-section diagram, site plans and check for \$160 for the above referenced address. Please call or email me once the sanitarian is assigned and let me know his/her name and contact information.

Respectfully,

A handwritten signature in black ink, appearing to read 'Emily Sottile', is written over a horizontal line.

Emily Sottile
Business Operations Manager



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

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

February 9, 2015

RE: 10122 Wesleigh Drive / HO-14-0176

Please find enclosed the well completion report for the geothermal wells we installed at the above referenced address.

Thank you,

A handwritten signature in black ink, appearing to read 'Emily Sottile', is written over a horizontal line.

Emily Sottile
Business Operations Manager



Guide to searching the database

View Map		View GroundRent Redemption			View GroundRent Registration				
Account Identifier:		District - 06 Account Number - 419976							
Owner Information									
Owner Name:		BARKOW SARAH KALB JOSHUA			Use: Principal Residence:		RESIDENTIAL YES		
Mailing Address:		10122 WESLEIGH DR COLUMBIA MD 21046-			Deed Reference:		/15400/ 00321		
Location & Structure Information									
Premises Address:		10122 WESLEIGH DR COLUMBIA 21048-0000			Legal Description:		LOT 3 21,518 SQ' 10122 WESLEIGH DR DONLEIGH S2		
Map:	Grid:	Parcel:	Sub District:	Subdivision:	Section:	Block:	Lot:	Assessment Year:	Plat No: Plat Ref:
0042	0001	0242		0000		E	3	2014	
Special Tax Areas:				Town:		NONE			
				Ad Valorem:		104			
				Tax Class:					
Primary Structure Built		Above Grade Enclosed Area		Finished Basement Area		Property Land Area		County Use	
1962		1,288 SF		471 SF		21,518 SF			
Stories	Basement	Type	Exterior	Full/Half Bath	Garage	Last Major Renovation			
1	YES	STANDARD UNIT	1/2 BRICK FRAME	2 full	1 Carport				
Value Information									
			Base Value	Value As of 01/01/2014	Phase-in Assessments As of 07/01/2014		As of 07/01/2015		
Land:			183,100	183,100					
Improvements			103,600	135,400					
Total:			286,700	318,500	297,300		307,900		
Preferential Land:			0				0		
Transfer Information									
Seller: DEVERNEIL ANDRE J Type: ARMS LENGTH IMPROVED				Date: 01/02/2014 Deed1: /15400/ 00321		Price: \$325,000 Deed2:			
Seller: DEVERNEIL ANDRE J Type: NON-ARMS LENGTH OTHER				Date: 10/02/1990 Deed1: /02237/ 00086		Price: \$0 Deed2:			
Seller: PRATHER ARCHIE D & WF Type: ARMS LENGTH IMPROVED				Date: 11/18/1983 Deed1: /01209/ 00711		Price: \$100,000 Deed2:			
Exemption Information									
Partial Exempt Assessments:		Class		07/01/2014		07/01/2015			
County:		000		0.00					
State:		000		0.00					
Municipal:		000		0.00 0.00		0.00 0.00			
Tax Exempt:		Special Tax Recapture:							
Exempt Class:		NONE							
Homestead Application Information									
Homestead Application Status: Application received									



HOWARD COUNTY HEALTH DEPARTMENT

55346

DATE 12/2/14

W5

Received From

Connolly Assoc.

PHONE #

For

Well Permit - 10/22 Wesleyh Dr.

☐ CASH

☒ CHECK

NO.

013525

One hundred sixty

Dollars

\$

160.00

Received By

J King