

C1548998

(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

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

ST/CO USE ONLY
DATE RECEIVED
MMDDYY110719

DATE WELL COMPLETED
MMDDYY2319

Approved
4/5/19

Depth of Well
2231026
(TO NEAREST FOOT)

PERMIT NO.
FROM "PERMIT TO DRILL WELL"
H0-18-0114

OWNERFischerDaniel, Rebecca

WELL SITE ADDRESS6446 Snuffbox TerTOWNColumbia

SUBDIVISIONLot 268 20, B37 Sq. 6446 Snuffbox Ter VILSECTIONLOT268

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	
Top Soil	0	2	
Brown silt	2	30	
Grey Sandy mica	30	308	
Gravel	308	310	

Annular space volume:
55.4 cu ft

Driller explained there were collapsing and cave in conditions at the bottom of the hole which limited grout. ST

Installed 1.25" x 310' closed loop hdpe U-bend thermogard

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box) Y N

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

CEMENT 45 46 9 NO. OF BAGS NO. OF POUNDS 450

GALLONS OF WATER 153

DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 310 ft. (enter 0 if from surface)

CASING RECORD

casing types insert appropriate code below

STEEL ST CONCRETE CO PLASTIC PL OTHER OT

MAIN CASING TYPE PL Nominal diameter top (main) casing (nearest inch) 6 Total depth of main casing (nearest foot) 38

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

SCREEN RECORD

screen type or open hole (insert appropriate code below)

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

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

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 N/A

CAPACITY: GALLONS PER MINUTE (to nearest gallon) N/A

PUMP HORSE POWER N/A

PUMP COLUMN LENGTH (nearest ft.) N/A

CASING HEIGHT (circle appropriate box and enter casing height) + above - below LAND SURFACE 3 (nearest foot)

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED yes Y no 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. MWD 587

DRILLERS SIGNATURE

LIC. NO. JWD 411

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

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

LATITUDE 39.194950

LONGITUDE 76.878695

(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.

B 1 <div style="font-size: 2em; font-weight: bold; margin-top: 10px;">65112</div>	SEQUENCE NO. (MDE USE ONLY)	<div style="text-align: center;"> STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL <i>542374</i> please type </div>	STATE PERMIT NUMBER <div style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">H0-18-0114</div> <div style="font-size: 0.8em;">fill in this form completely 79</div>
OWNER INFORMATION Date Received (APA) <i>01/10/19</i> <div style="display: flex; justify-content: space-between;"> <div> 8 MM DD YY 13 <i>Fischer Daniel Rebecca A</i> 15 Last Name Owner First Name 34 <i>6446 Snuffbox Ter</i> 36 Street or RFD 55 <i>Columbia Md. 21044</i> 57 Town 70 State 72 Zip 76 </div> </div>		LOCATION OF WELL B 3 <i>Howard</i> 8 COUNTY <i>6446 Snuffbox Ter</i> <i>Lot 268 20,037 Sq. Vll Hickory Ridge Sl-A2</i> 23 SUBDIVISION 42 SECTION <i>44 46</i> LOT <i>268</i> <i>Columbia</i> 52 NEAREST TOWN 71	
DRILLER INFORMATION <i>Stephen Delosh</i> MW D 587 Driller's Name 76 License No. 81 <i>Connelly & Associates Inc.</i> Firm Name <i>1513 Tilco Dr. Frederick, Md. 21704</i> Address <i>Stephen Delosh</i> 9-17-19 Signature Date		SOURCES OF DRILLING WATER B 4 1. <i>public</i> 2. <i>10/21/19</i> 3. <i>start 11 AM</i> <i>40' casing</i> <i>30' bedrock</i> <i>12:30 PM 100'</i> <i>10/24/19 Wyo DEN</i> <i>THERMEX 84M071129</i>	
WELL INFORMATION B 2 APPROX. PUMPING RATE (GAL. PER MIN.) <i>N/A</i> AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) <i>N/A</i> 14 20		ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) <div style="text-align: center;"> </div> 34 <i>3251'</i> 37 DISTANCE FROM ROAD ENTER <input checked="" type="radio"/> FT OR MI 38 39 TAX MAP: <i>0035</i> BLK: <i>-</i> PARCEL: <i>0291</i>	
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 <i>2 geo boxes</i>		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL <i>Howard</i> <i>13</i> COUNTY NAME COUNTY NO. STATE SIGNATURE INSERT S <i>41</i> DATE ISSUED <i>10/1/19</i> <i>10/1/20</i> 43 MM DD YY 48 CO SIGNATURE EXP. DATE <i>DON: 10/21/19</i> <i>DIG: 10/24/19 (Box 1)</i> <i>10/24/19 (Box 2)</i>	
APPROXIMATE DEPTH OF WELL <i>340</i> FEET 24 28 APPROXIMATE DIAMETER OF WELL <i>6</i> INCH NEAREST INCH		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 <i>10/21/19</i> <i>could not drill below 310' b/c of well.</i> 	
METHOD OF DRILLING (circle one) BORED (or Augered) <i>JETTED</i> Jetted & DRIVEN 30 AIR-ROTARY <i>AIR-PERCussion</i> ROTARY (Hydraulic Rotary) 37 CABLE <i>REverse-ROTary</i> 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 DEEPMEN 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 <i>G</i> PERMIT No. <i>H0-18-0114</i> 70 71 72 73 74 75 76 77 78 79			
SPECIAL CONDITIONS <i>grout bores bottom to top</i> NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED			

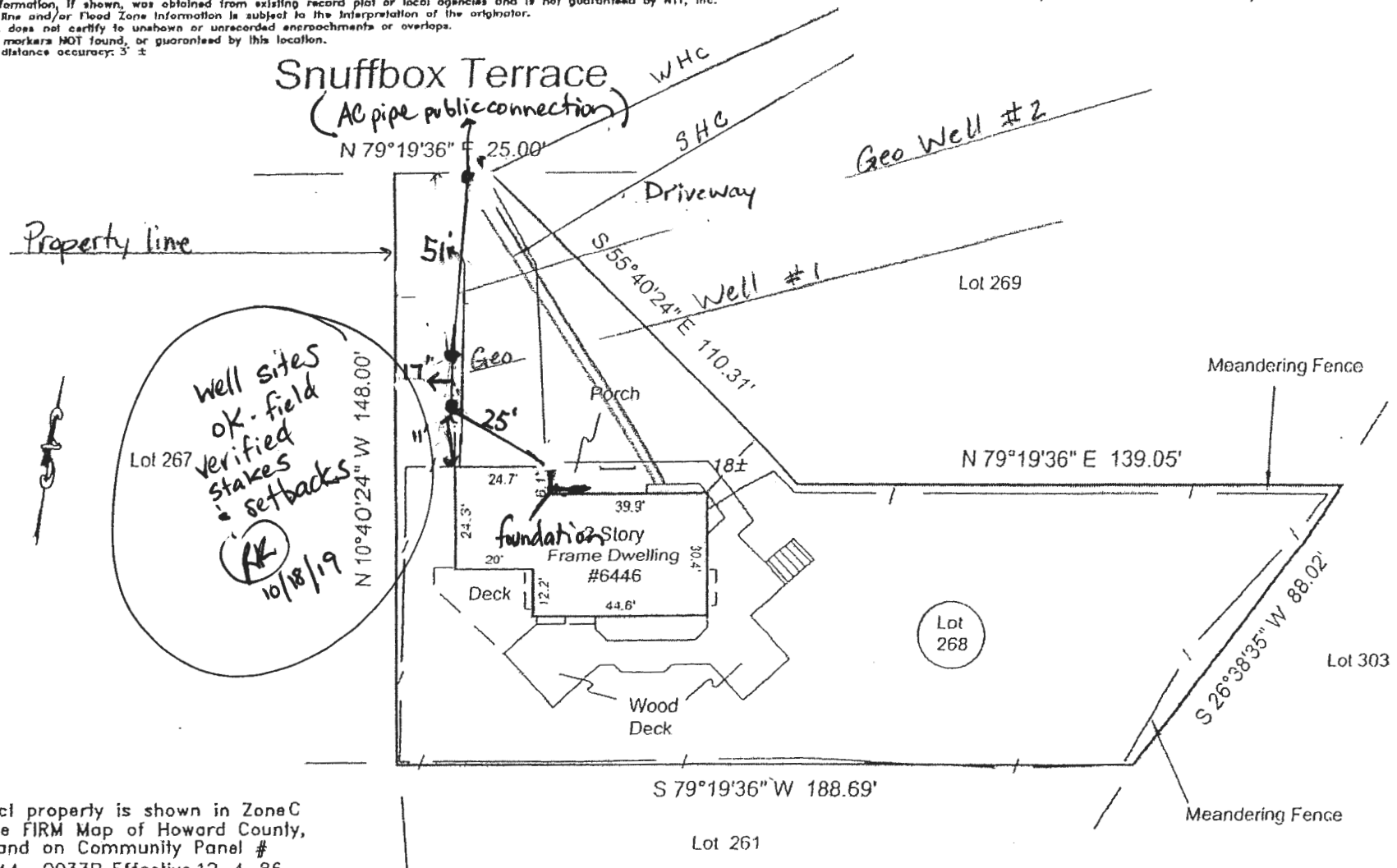
FILE INQUIRY NOTES

[illegible]

NOTES:

- 1) B.R.L. Information, if shown, was obtained from existing record plat or local agencies and is not guaranteed by NTT, Inc.
- 2) Building line and/or Flood Zone Information is subject to the interpretation of the originator.
- 3) NTT, Inc. does not certify to unshown or unrecorded encroachments or overlaps.
- 4) Property markers NOT found, or guaranteed by this location.
- 5) Setback distance accuracy: 3' ±

Snow and ice present. Ground level improvements are obscured.



This is to certify that I have surveyed the property shown hereon, being known as Lot 268, Section 1, Area 2, COLUMBIA VILLAGE OF HICKORY RIDGE and recorded among the land records of Howard County, Maryland in PI Bk 25 folio 37 for the purpose of locating the improvements thereon.

- * This plat is of benefit to the consumer only insofar as it is required by a lender or a title insurance company or its agent in connection with contemplated transfer, financing, or refinancing purposes.
- * This plat is not to be relied upon for the establishment of location of fences, garages, buildings, or other existing or future structures.
- * This plat does not provide for the accurate identification of property boundary lines, but such identification may not be required for the transfer of title or for securing financing or refinancing.



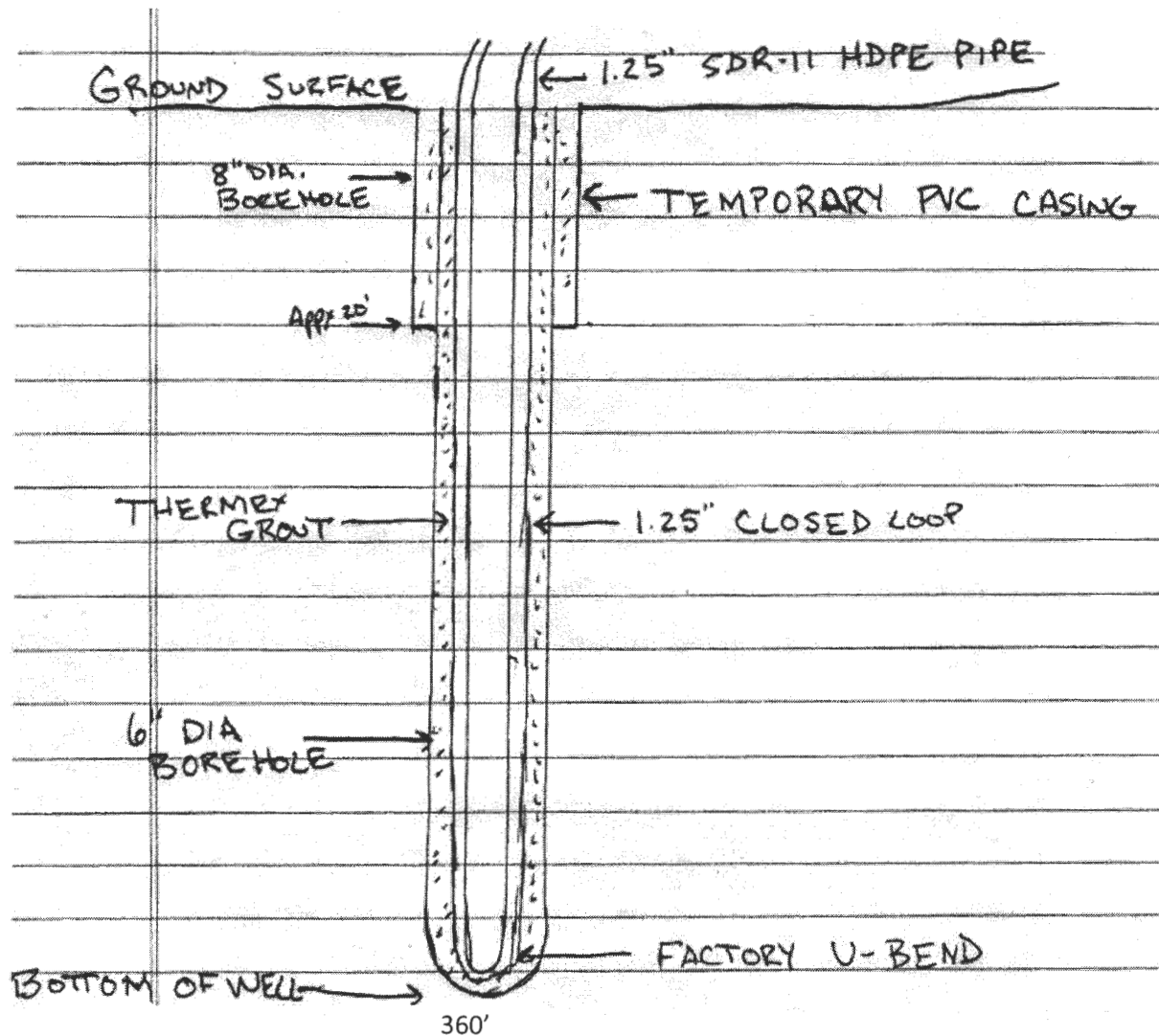
LOCATION DRAWING
6446 Snuffbox Terrace
Howard County, Maryland
Election District No. 15

NTT Associates, Inc.

16205 Old Frederick Road
Mt. Airy, Maryland 21771
Ph. (410)442-2031
Fax No. (410)442-1315

Scale: 1" = 40'
Date: 1-29-11
Field By: Don
Drawn By: Don
Drawing # 46311HIRS

Fischer Residence 6446 Snuffbox Terrace Columbia Geothermal Closed Loop



Grout well DF

Grout information for this property is as follows:

Thermex grout mixture of 50 lb. grout to 19 gallons water, placed in the well using the tremie method, from bottom to top.

FILE INQUIRY NOTES

DATE	RESULTS OF REVIEW FOR FILE
10/1/19	<p>- Site visit completed, 2 stakes in place, setbacks to public w/s lines are good. Did not see a cleanout for the sewer line but the neighbors cleanout is cast iron. Called Utilities and Dave Ball pulled the installation card and it said the sewer line is A/C pipe (asbestos cement pipe). Specs on line said that it can take 50lbs of pressure. Will confirm if the 10' setback is acceptable. (RR)</p>
10/8/19	<p>- Lent the Plumber onsite to scope the sewer line. The private line in cast iron and the public line is AC pipe. The connection to the public line is at the bottom of the driveway. The well sites will have to be adjusted to meet the 50' setback. Driller will be required to move the staked locations and call for inspection. (RR)</p>
10/18/19	<p>- Contacted by Connelly, they've adjusted the bore locations to meet COMAR setbacks, new locations field verified and the site plan has been adjusted. (RR)</p>



HOWARD COUNTY HEALTH DEPARTMENT

66374

DATE
9/17/19

US

Received
From

Stephen Delash

PHONE #

240 367-7225

For

Well Permit / 6446 Snuffbox

☐ CASH

☒ CHECK

NO. CC

One hundred sixty

Dollars

\$

160.00

Received By

2 King