

C1 24167

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

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

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

OWNER Register State WELL SITE ADDRESS 5223 Ilchester Rd TOWN Elkton City SUBDIVISION Foot Hill SECTION LOT 3

WELL LOG Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

Table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Rows include Soil, Red clay, Brown shale, Fractured Rock, Granite.

GROUTING RECORD yes no

WELL HAS BEEN GROUTED (Y) (N) TYPE OF GROUTING MATERIAL (C) (M) (B) (C) NO. OF BAGS 17 NO. OF POUNDS 850

CASING RECORD casing types insert appropriate code below

MAIN CASING TYPE (S) (T) (P) (L) (C) (O) (J) Nominal diameter top (main) casing

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

SCREEN RECORD screen type or open hole (S) (T) (B) (R) (H) (O) (P) (L) (C) (O) (J) (S)

C 3 1 2 PUMPING TEST

HOURS PUMPED (nearest hour) 8 9 PUMPING RATE (gal. per min.) 11 15 WATER LEVEL (distance from land surface) BEFORE PUMPING 17 20

PUMP INSTALLED DRILLER INSTALLED PUMP YES NO (CIRCLE) (YES or NO)

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

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED (Y) (N)

CIRCLE APPROPRIATE LETTER A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION"

DRILLERS LIC. NO. MW D 355 DRILLERS SIGNATURE LIC. NO. MS D 0666

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

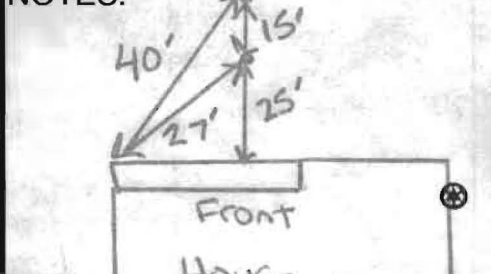
DEPTH (nearest ft.) E A C H S R E E N SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH) 56 60

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

TELESCOPE CASING LOG INDICATOR OTHER DATA

LATITUDE 39.22700 LONGITUDE 76.78639 (DEFAULT COORD. WGS 84)



B 1 06020 SEQUENCE NO. (MDE USE ONLY) STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL STATE PERMIT NUMBER
 1 2 3 6 545063 please type HO-95-2542
 70 fill in this form completely 79

OWNER INFORMATION
 Date Received (APA) 06/12/13
 8 MM DD YY 13
 Register Steve
 15 Last Name Owner First Name 34
 5223 Ilchester Rd
 36 Street or RFD 55
 Ellicott MD 21043
 57 Town 70 State 72 Zip 76

B 3 LOCATION OF WELL
 HOWARD
 8 COUNTY 21
 Font Hill
 23 SUBDIVISION 42
 SECTION 44 46 LOT 3 48 50
 Ellicott City
 52 NEAREST TOWN 71

DRILLER INFORMATION
 Michael Barlow M W D 355
 Driller's Name 76 License No. 81
 Barlow Well Drilling
 Firm Name
 522 Underwood Lane 21014
 Address
 Signature Date 6/7/13

B 4 SOURCES OF DRILLING WATER
 1. Well
 2.
 3.
 5223 Ilchester Rd
 11 STREET ADDRESS 30
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 NORTH N
 WEST W EAST E
 SOUTH S
 34 75 37
 DISTANCE FROM ROAD
 ENTER FT OR MI 38 39
 TAX MAP: 31 BLK: 15 PARCEL 375

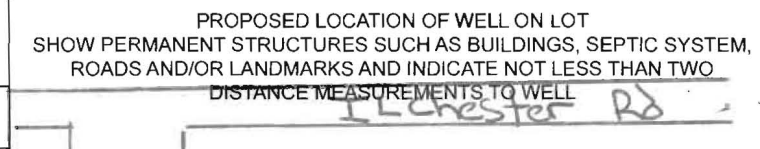
B 2 WELL INFORMATION
 APPROX. PUMPING RATE (GAL. PER MIN.) 8 12
 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 14 20

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
 Howard 13
 COUNTY NAME COUNTY NO.
 STATE SIGNATURE INSERT S 41
 DATE ISSUED 06/26/2013 RKA 6/26/14
 43 MM DD YY 48 CD SIGNATURE EXP. DATE

USE FOR WATER (CIRCLE APPROPRIATE BOX)
 [D] DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION
 [F] FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
 [I] INDUSTRIAL, COMMERCIAL, DEWATERING
 [P] PUBLIC WATER SUPPLY WELL
 [T] TEST, OBSERVATION, MONITORING
 [O] OPEN LOOP GEOTHERMAL
 [C] CLOSED LOOP GEOTHERMAL 2 bores x 240'

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
 ILchester Rd

APPROXIMATE DEPTH OF WELL 240 FEET
 APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST 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 DEEPEENED 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 DEEPEEN AN EXISTING WELL
 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEENED (IF AVAILABLE) 41 52

Not to be filled in by driller (MDE OR COUNTY USE ONLY)
 APPROX. PERMIT NUMBER G
 PERMIT No. HO-95-2542
 70 71 72 73 74 75 76 77 78 79

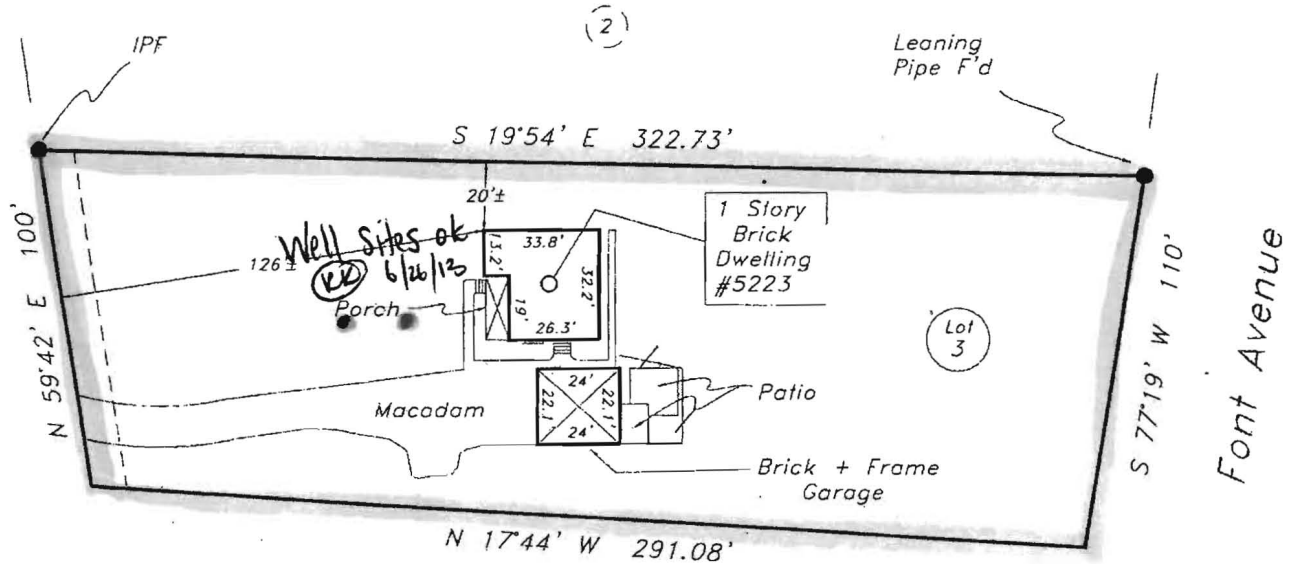
SPECIAL CONDITIONS
 NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED
 Wells must be grouted from bottom to top

bu. H
1956
Completed
in 2009

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) Salsback distance accuracy: 5 ±

Ilchester Road

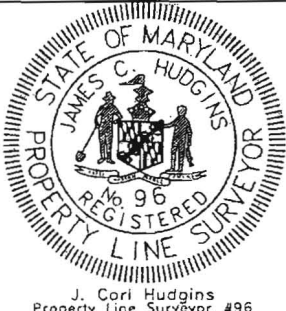


Geo bores
Public water
+ Sewer

Geo. O. J. [Signature]

Subject property is shown in Zone C on the FIRM Map of Howard County, Maryland on Community Panel # 240044 0029B. Effective 12-4-86

This is to certify that I have surveyed the property shown hereon, being known as Lot 3, FONT HILL and recorded among the land records of Howard County, Maryland in PI Bk 5 folio 24 for the purpose of locating the improvements thereon.



LOCATION DRAWING
5223 Ilchester Road
Howard County, Maryland
Election District No. 1

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

Scale:	1" = 50'
Date:	1-9-07
Field By:	Don
Drawn By:	Don
Drawing #	07-10-1614R

Deed recorded in Liber 5953 at folio 179 among the Land Records of Howard County, Maryland

**MICHAEL BARLOW WELL DRILLING
522 UNDERWOOD LANE
BEL AIR, MD 21014
410-838-6910**

Howard County Health Department
7178 Columbia Gateway Drive
Columbia, MD 21046
Fax: 410-313-2648

June 7, 2013

Re: 5223 Ilchester Road, Ellicott City

Dear Department of Environment:

Please note unless otherwise specified all geothermal bores installed by our company will be installed as follows:

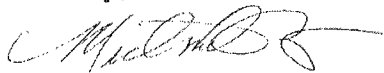
Grout: Bentonite Grout 20% solids minimum
Manufacture(s): Baroid or Wyo-Ben
Will be grouted from the bottom to the top with grout material

Piping: Polyethylene SDR 11 160 PSI as recommended per IGSHPA
Manufacture: EnDot or Charter Plastics or equal, Size 1" or 1 1/4"
IGSHPA Certification Number 12687

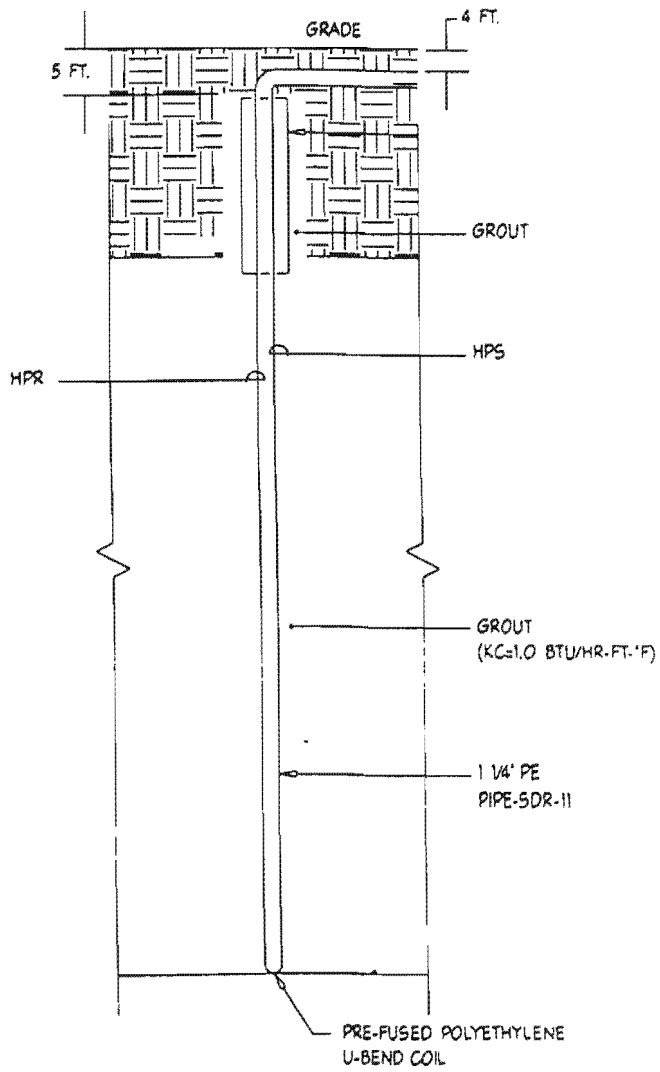
Also attached is a cross section diagram of the bore hole.

We would appreciate your help in getting this permit released as soon as possible so that we can expedite this project. If you have any questions, please do not hesitate to contact me.

Sincerely,



Michael Barlow



4 TYPICAL BORE HOLE DETAIL
M1.00 NOT TO SCALE