

C1 46186

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

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

COUNTY NUMBER

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

OWNER Hess Randall WELL SITE ADDRESS 3753 Ivory Rd. TOWN Glenely SUBDIVISION West Friendship SECTION LOT 38

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes handwritten entries: topsoil, Silty sand, Quarts brown moist, weathered rock, Bed Rock, Boulder Gneiss.

GROUTING RECORD, CASING RECORD, SCREEN RECORD sections with checkboxes for materials like CEMENT, BENTONITE CLAY, STEEL, CONCRETE, etc.

PUMPING TEST section with fields for HOURS PUMPED, PUMPING RATE, METHOD USED TO MEASURE PUMPING RATE, WATER LEVEL, etc.

WELL HYDROFRACTURED, CIRCLE APPROPRIATE LETTER (A, E, P) section.

DEPTH (nearest ft.) section with grid for casing depth measurements.

PUMP INSTALLED section with fields for DRILLER INSTALLED PUMP, TYPE OF PUMP INSTALLED, CAPACITY, etc.

DRILLERS LIC. NO., DRILLERS SIGNATURE, LIC. NO., SITE SUPERVISOR section.

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) section with fields for TELESCOPE CASING, LOG INDICATOR, etc.

LATITUDE 39.267993, LONGITUDE 76.989436 (DEFAULT COORD. WGS 84) and disclaimer text.

B 1
46445

SEQUENCE NO.
(MDE USE ONLY)

STATE OF MARYLAND
APPLICATION FOR PERMIT TO DRILL WELL
559811 please type

STATE PERMIT NUMBER

HO-15-0337
70 fill in this form completely 79

1 2 3 6
Date Received (APA) 10/25/16
8 MM DD YY 13
OWNER INFORMATION
15 Last Name Hess Owner Randall First Name
36 Street or RFD 3753 Ivory Rd
37 Alenelg MD 21737
57 Town 70 State 72 Zip 76

B 3 LOCATION OF WELL
8 COUNTY Howard
23 SUBDIVISION West Friendship
SECTION 44 46 LOT 3B 48 50
52 NEAREST TOWN Glenelg 71

DRILLER INFORMATION
Driller's Name Samuel A. Connelly M W D 572 License No. 81
Firm Name Connelly + Associates, Inc.
Address 110 Interstate Ct. Frederick, MD 21704
Signature Samuel A. Connelly Date 10-25-16

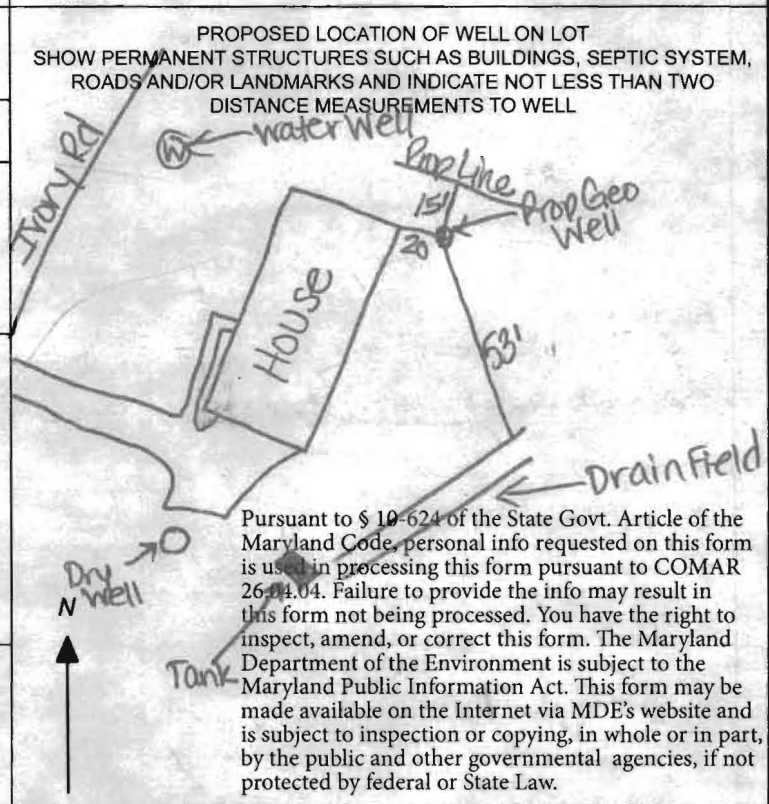
B 4 SOURCES OF DRILLING WATER
1. private
2.
3.
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
34 130 37 DISTANCE FROM ROAD FT
ENTER FT OR MI 38 39
TAX MAP: 22 BLK: 8 PARCEL 3104

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

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 (1 geobore)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
Howard 13
COUNTY NAME COUNTY NO.
STATE SIGNATURE INSERT S
DATE ISSUED 11/2/16 CO SIGNATURE EXP. DATE 11/2/17
43 MM DD YY 48

APPROXIMATE DEPTH OF WELL 480 FEET
APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST



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 DEEPEAN 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)
APPROX. PERMIT NUMBER G
PERMIT No. HO-15-0337
70 71 72 73 74 75 76 77 78 79

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

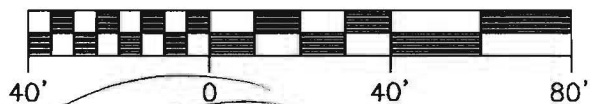
P:\Geothermal\2016 Projects\Supreme Air\Hess Residence\Documents\Proposed Geothermal Well Location Plan - 3753 Ivory Road.dwg



L E G E N D

-  PROPOSED GEOTHERMAL WELL LOCATION
-  APPROXIMATE DOMESTIC WATER WELL LOCATION
-  APPROXIMATE DRY WELL LOCATION
-  APPROXIMATE SEPTIC TANK LOCATION
-  APPROXIMATE DRAIN FIELD LOCATION

GRAPHICAL SCALE



*Well site ok
R-RT 11/2/16*

ConnellyGeothermal
Partnering with Mother Earth

260 Interstate Court (301) 696-8820
Frederick, Maryland 21704 (301) 696-0327 fax

HESS RESIDENCE
3753 IVORY ROAD, GLENELG, MARYLAND

PROPOSED GEOTHERMAL WELL
LOCATION PLAN

Scale:
AS SHOWN

Fig.

Date:
OCT. 2016

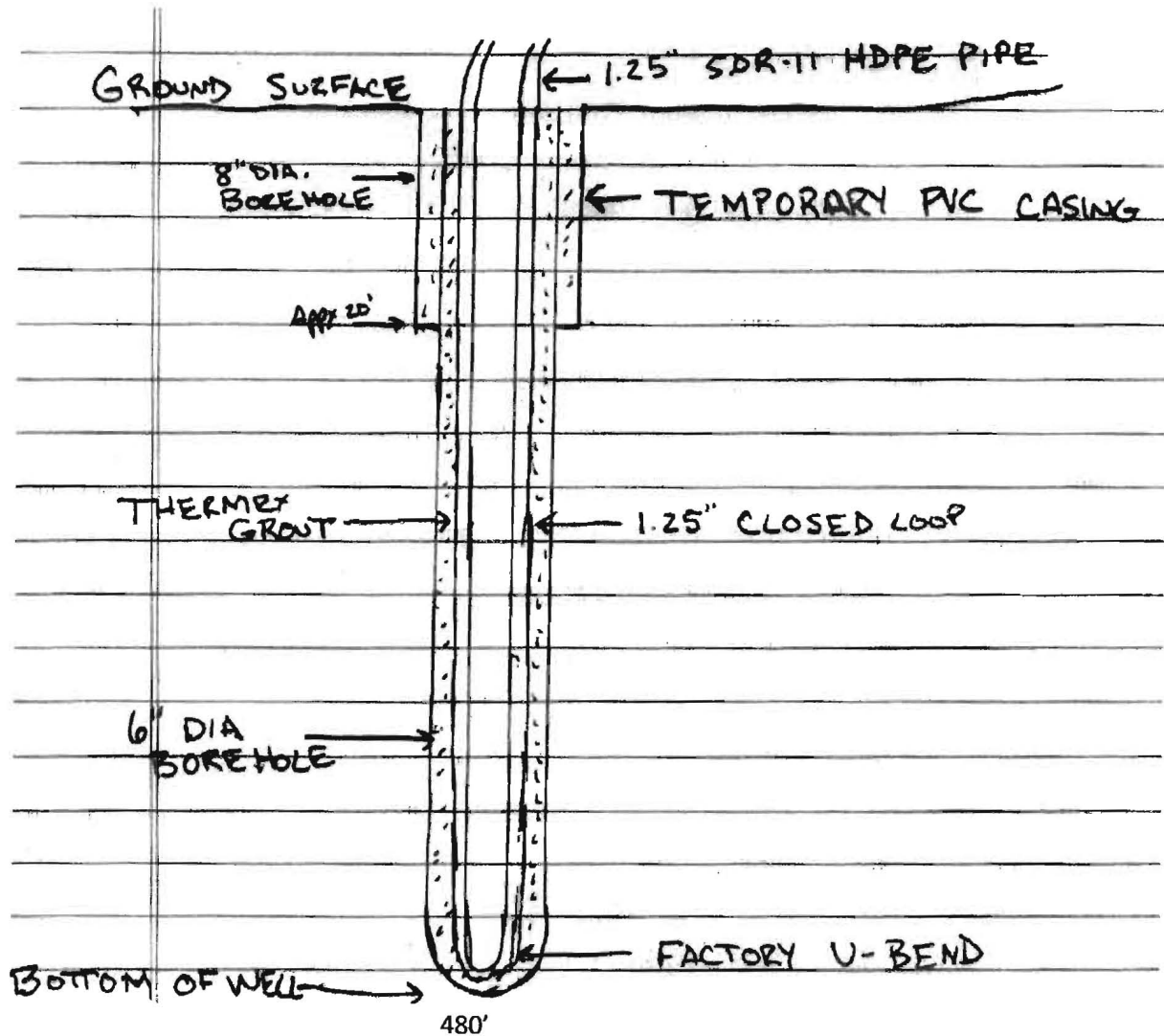
Drawn By:
J.A.

Checked By:
E.S.

Project No.:
00000

1

Geothermal Closed Loop – 3753 Ivory Road, Glenelg, MD



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.

