

C1 46172 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)

FILL IN THIS FORM COMPLETELY PLEASE TYPE

COUNTY NUMBER

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

OWNER Evanstad last name Gregory, Joan first name WELL SITE ADDRESS 1579 Cattail Oaks TOWN Glenwood SUBDIVISION Peacefields SECTION LOT 6

WELL LOG Table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries for Top Soil, Sandy Silt, weathered Rock, Sandy silt, and Gray schist.

GROUTING RECORD. WELL HAS BEEN GROUTED (Y). TYPE OF GROUTING MATERIAL (CM, BC). NO. OF BAGS 15, NO. OF POUNDS 285. DEPTH OF GROUT SEAL 375 ft.

CASING RECORD. MAIN CASING TYPE PL. Nominal diameter 6 inch, Total depth 96 feet.

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

SCREEN RECORD. screen type or open hole (ST, BR, HO, PL, OT). DEPTH (nearest ft.)

NUMBER OF UNSUCCESSFUL WELLS: 0. WELL HYDROFRACTURED (Y).

CIRCLE APPROPRIATE LETTER: A (Well abandoned), E (Electric log), P (Test well converted).

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...

DRILLERS LIC. NO. MWD 572. DRILLERS SIGNATURE [Signature]. LIC. NO. 1 WPD 064.

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. TELESCOPE CASING, LOG INDICATOR, OTHER DATA.

PUMPING TEST. HOURS PUMPED 8.9. PUMPING RATE 11.15 gal. per min. TYPE OF PUMP USED (for test) C centrifugal, R rotary, O other, S submersible.

PUMP INSTALLED. DRILLER INSTALLED PUMP (YES). TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29. CAPACITY: GALLONS PER MINUTE 31.35. PUMP HORSE POWER 37.41. PUMP COLUMN LENGTH 43.47. CASING HEIGHT 49 above, 2 below (nearest foot).

LATITUDE 39.272253. LONGITUDE 77.033671. (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.

B 1	SEQUENCE NO. (MDE USE ONLY) 46388	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type 558832	STATE PERMIT NUMBER HO-15-0294 <small>70 fill in this form completely 79</small>
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OWNER INFORMATION

Date Received (APA) **08/19/16**

8 MM DD YY 13

15 Last Name **Evenstad, Gregory + Jan** Owner First Name 34

36 Street or RFD **15541 Cattail Oaks** 55

57 Town **Glenwood** 70 State **MD** 72 Zip **21738** 76

B 3 LOCATION OF WELL

8 COUNTY **Howard** 21

23 SUBDIVISION **Peacefields @ Cattail Cr** 42

SECTION **16** 44 46 LOT **16** 48 50 drilled

52 NEAREST TOWN **Glenwood** 71

DRILLER INFORMATION

Driller's Name **Samuel A. Connelly M WD 572** 76 License No. 81

Firm Name **Connelly + Associates, Inc.**

Address **21d Interstate Ct, Frederick, MD 21704**

Signature **Samuel A. Connelly** 8-19-16 Date

B 4 SOURCES OF DRILLING WATER

1. **private**

2.

3.

11 STREET ADDRESS **15541 Cattail Oaks** 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

34 **30** 37

DISTANCE FROM ROAD ENTER FT OR MI **FT** 38 39

TAX MAP: **21** BLK: **10** PARCEL **63**

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)

DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION

FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)

22 INDUSTRIAL, COMMERCIAL, DEWATERING

PUBLIC WATER SUPPLY WELL

TEST, OBSERVATION, MONITORING

OPEN LOOP GEOTHERMAL

CLOSED LOOP GEOTHERMAL **3 bores**

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard COUNTY NAME 13 COUNTY NO.

STATE SIGNATURE _____ INSERT S →

DATE ISSUED **8/23/16** 43 MM DD YY 48 **8/23/17** 41 EXP. DATE

CO SIGNATURE _____

APPROXIMATE DEPTH OF WELL **375** FEET 24 28

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)

THIS WELL WILL NOT REPLACE AN EXISTING WELL

THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED

39 THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS

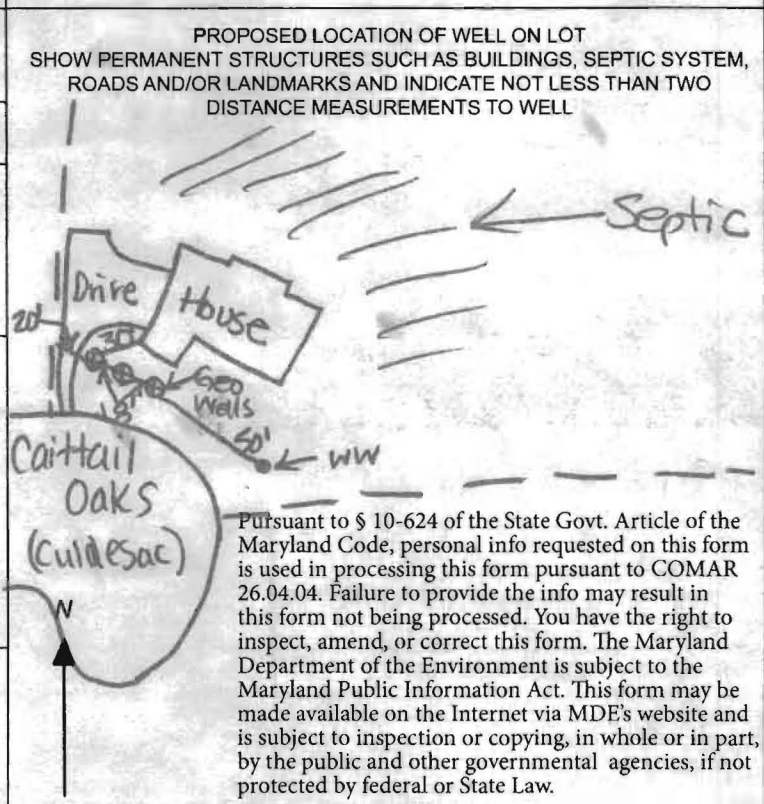
THIS WELL WILL DEEPEAN AN EXISTING WELL

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)

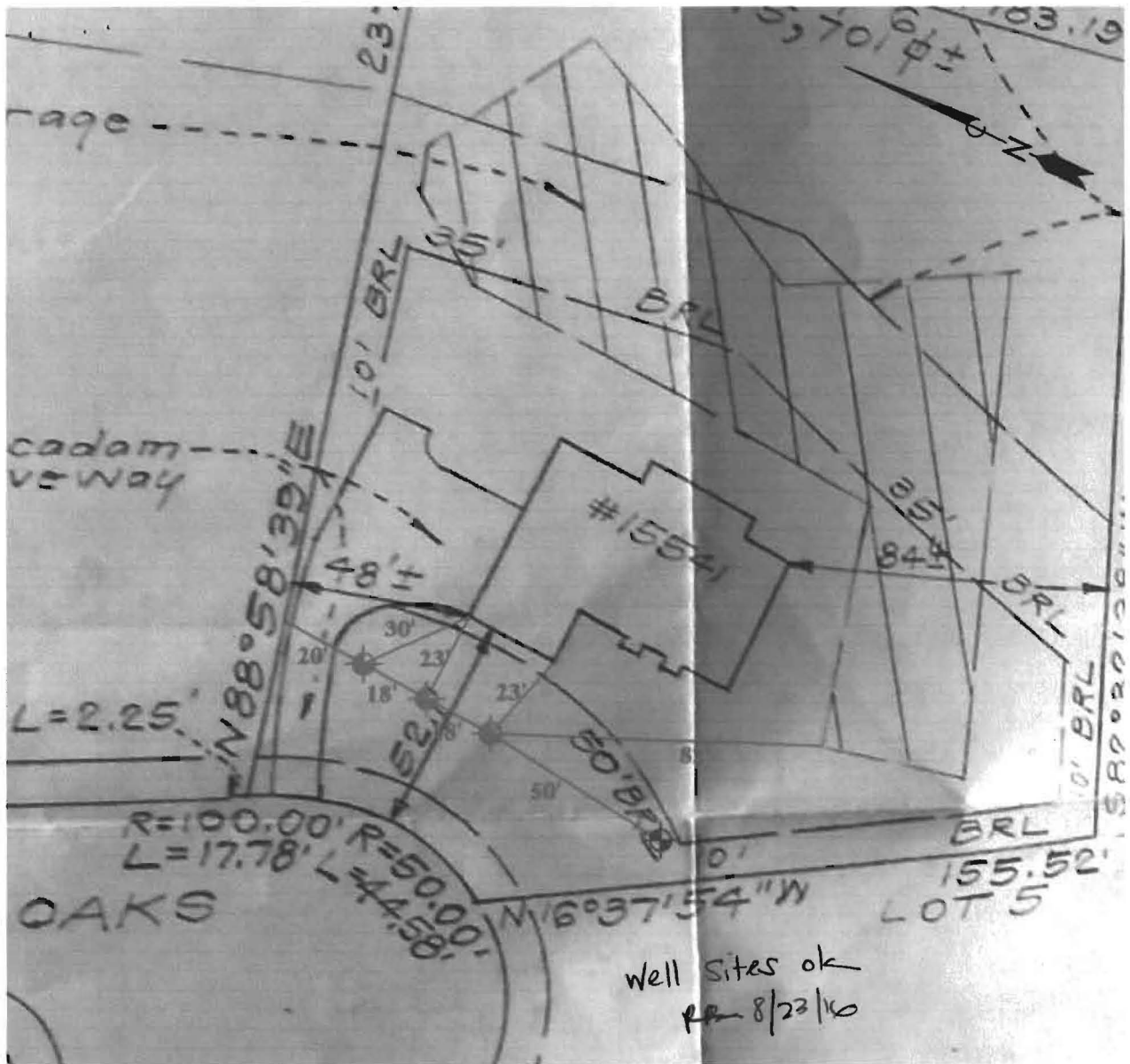
APPROX. PERMIT NUMBER _____ **G** _____

PERMIT No. **HO-15-0294** 70 71 72 73 74 75 76 77 78 79



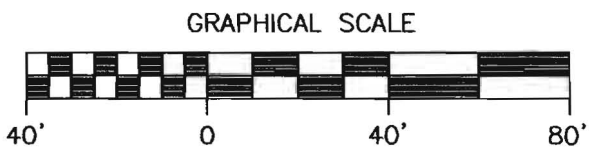
SPECIAL CONDITIONS
NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED- **Wells must be grouted from bottom to top.**

P:\Geothermal\2018 Projects\Supreme Air\Evenstad Residence\Documents\Proposed Geothermal Well Location Plan - Evenstad Residence.dwg



L E G E N D

- PROPOSED GEOTHERMAL WELL LOCATION
- APPROXIMATE DOMESTIC WELL LOCATION
- APPROXIMATE DRAINAGE FIELD LOCATION

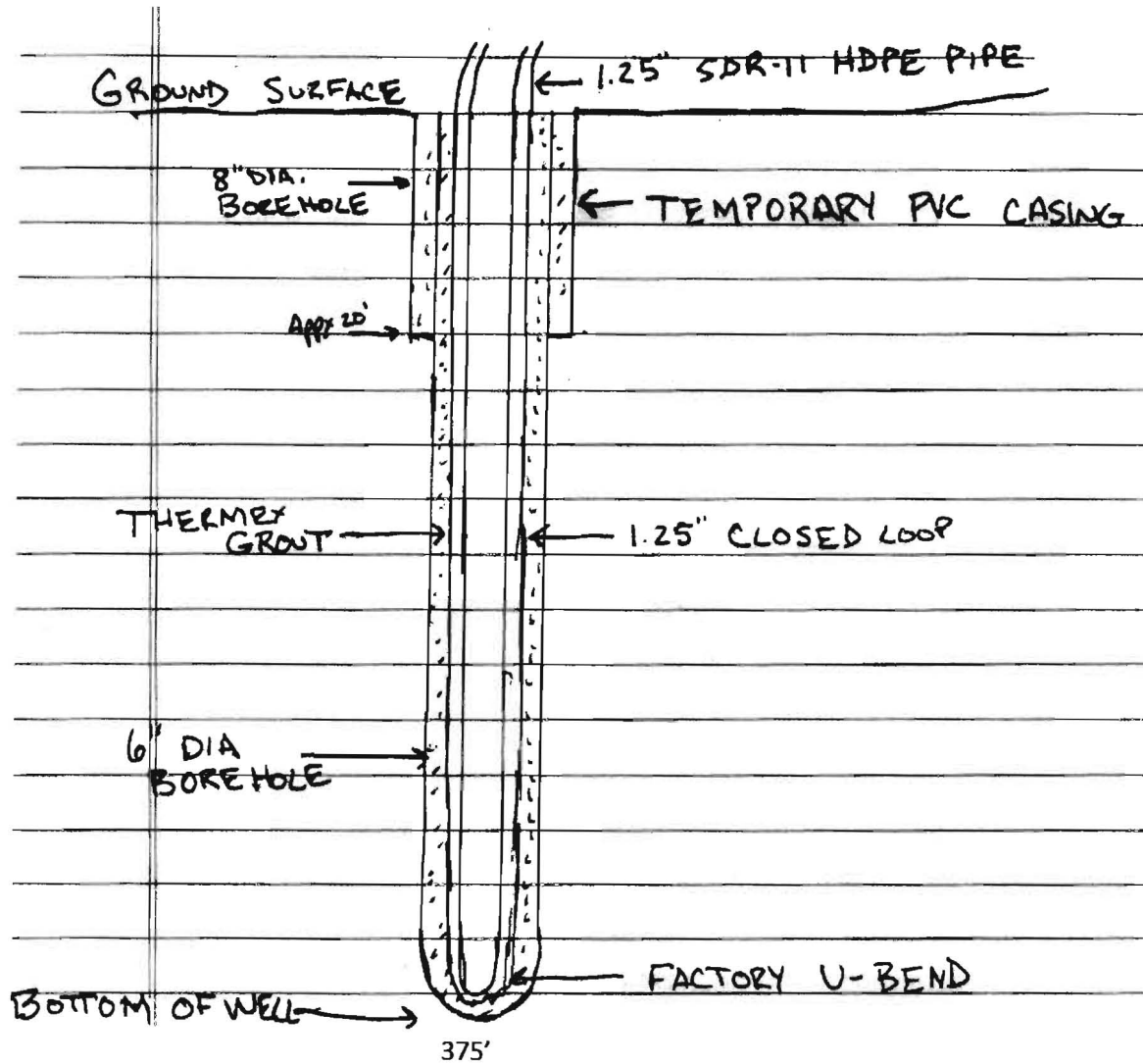


260 Interstate Court (301) 696-8820
 Frederick, Maryland 21704 (301) 696-0327 fax

EVENSTAD RESIDENCE
 15541 CATTAIL OAKS, GLENWOOD, MARYLAND

PROPOSED GEOTHERMAL WELL LOCATION PLAN		Scale: AS SHOWN	Fig. 1
Date: AUG. 2016	Drawn By: J.A.	Checked By: E.S.	

Geothermal Closed Loop – 15541 Cattail Oaks, Glenwood, MD 21738



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.