

C1 64888

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: YOUNG, Matthew; WELL SITE ADDRESS: 10746 JUDY LANE; TOWN: Columbia; SUBDIVISION: Riverside Estates; SECTION: ; LOT: 6

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. Includes entries for Soil, Brown Shale, Med Gray Rock, and 2 Geo Bores @ 350' w/ Agreenability Twister Loops.

GROUTING RECORD WELL HAS BEEN GROUTED (Y/N)

TYPE OF GROUTING MATERIAL (CM, BC), NO. OF BAGS (40), NO. OF POUNDS (3000), GALLONS OF WATER (200), DEPTH OF GROUT SEAL (350)

CASING RECORD casing types insert appropriate code below (ST, CO, PL, OT)

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

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

SCREEN RECORD screen type or open hole (ST, BR, HO, PL, OT)

Table with columns: E A C H S C R E E N, DEPTH (nearest ft.), SLOT SIZE, DIAMETER OF SCREEN

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

C 3 PUMPING TEST

HOURS PUMPED (nearest hour) 8-9; PUMPING RATE (gal. per min.) 11-15; METHOD USED TO MEASURE PUMPING RATE; WATER LEVEL (distance from land surface) BEFORE PUMPING 17-20 ft, WHEN PUMPING 22-25 ft; TYPE OF PUMP USED (for test) A air, P piston, T turbine, C centrifugal, R rotary, O other, J jet, S submersible

PUMP INSTALLED DRILLER INSTALLED PUMP (CIRCLE) (YES or 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, - below LAND SURFACE (nearest foot)

LATITUDE 39.17742 LONGITUDE 76.88866 (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.

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED yes (Y) no (N)

CIRCLE APPROPRIATE LETTER 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 28.04.04 "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. M WD 355

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. WR 9113

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

**B 1** 65754 SEQUENCE NO. (MDE USE ONLY) **STATE OF MARYLAND** STATE PERMIT NUMBER HO-18-0132  
**APPLICATION FOR PERMIT TO DRILL WELL** please type 520486 fill in this form completely

**OWNER INFORMATION**  
 Date Received (APA) 120419  
 8 MM DD YY 13  
 15 Last Name Young Owner MATTHEW First Name 34  
 36 Street or RFD 10746 JUDY LANE 55  
 57 Town COLUMBIA 70 State MD 72 Zip 21044 76

**B 3** **LOCATION OF WELL**  
Howard COUNTY 21  
Riverside Estate SUBDIVISION 42  
 SECTION 44 46 LOT 6 48 50  
Columbia NEAREST TOWN 92 71

**DRILLER INFORMATION**  
 Driller's Name Michael Roman License No. MD355 76 81  
 Firm Name Michael Roman Well Drilling Services, Inc.  
 Address 522 Underwood Drive Bel Air 21017  
 Signature [Signature] Date 11/13/19

**B 4** **SOURCES OF DRILLING WATER**  
 1. Well  
 2. 10746 Judy Lane STREET ADDRESS 30  
 3. ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
 NORTH  WEST  EAST  SOUTH   
 34 170 37 DISTANCE FROM ROAD ENTER FT OR MI 38 39  
 TAX MAP: 41 BLK: 11 PARCEL H20

**B 2** **WELL INFORMATION**  
 APPROX. PUMPING RATE (GAL. PER MIN.) 0 8 12  
 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 000 14 20

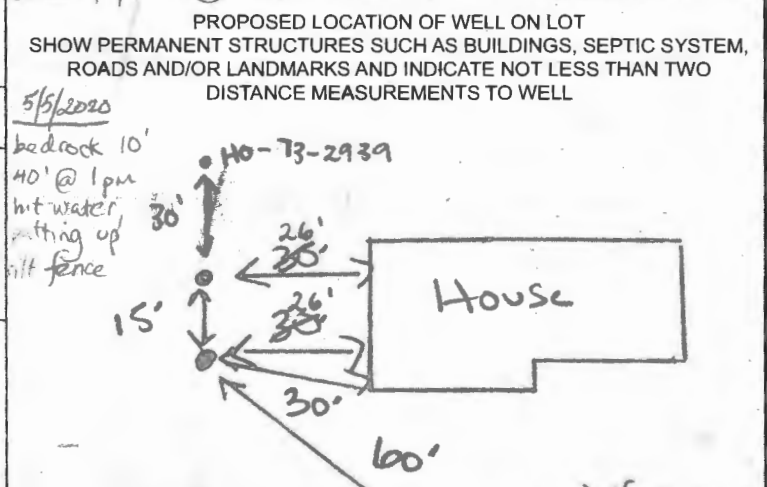
**USE FOR WATER (CIRCLE APPROPRIATE BOX)**  
 DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION  
 FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)  
 INDUSTRIAL, COMMERCIAL, DEWATERING  
 PUBLIC WATER SUPPLY WELL  
 TEST, OBSERVATION, MONITORING  
 OPEN LOOP GEOTHERMAL  
 CLOSED LOOP GEOTHERMAL 2 Bores x 280'

**NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL**  
Howard COUNTY NAME COUNTY NO. 13  
 STATE SIGNATURE \_\_\_\_\_ INSERT S → 41  
 DATE ISSUED 01/27/2020 Aug. Thomas 01/27/2021  
 43 MM DD YY 48 CO SIGNATURE EXP. DATE  
 DON: 5/3/2020 (S)

APPROXIMATE DEPTH OF WELL 280 FEET 24 28

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 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  
 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 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-18-0132  
 70 71 72 73 74 75 76 77 78 79

Pursuant to § 10-624 of the State Code Article of the Maryland Code, personal info requested on this form is used in processing this form pursuant to SOMAR 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.

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Maura J. Rossman, M.D., Health Officer

## **MEMORANDUM**

Sent via email to [misom@mbwd.us](mailto:misom@mbwd.us)

**TO:** Matthew & Anna Young  
Michael Isom, Michael Barlow Well Drilling  
Jeff Corron, Chesapeake Geosystems

**FROM:** Susan Thomas  
Environmental Health Specialist  
Howard County Health Department  
**Well & Septic Program**

**DATE:** January 27, 2020 

**RE:** 10746 Judy Lane  
Columbia, MD 21044  
M. 0041 G. 0011 P. 0420  
(Geothermal well permit HO-18-0132)

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The original geothermal well permit (HO-15-0128, submitted by Chesapeake Geosystems) for this property is now void.

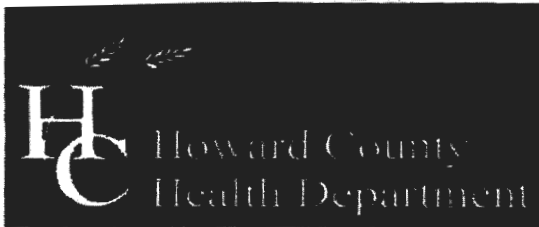
The property is connected to public water. However, the existing well on the property (HO-73-2939) is being kept for use as an irrigation well. A site inspection will be conducted to confirm that the existing well has a secure two-piece cap and is otherwise intact.

Previous correspondence dated from October 2015 indicates that the existing well has no cross contamination with the public water supply. Water sampling results from October 27, 2015 show that the well water contained no bacteria.

The location of the new proposed geothermal well (HO-18-0132, submitted by Micaheal Barlow Well Drilling) meets all setbacks. A permit will be issued for this geothermal well.

ST

*Cc: File*



**Bureau of Environmental Health**

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www.hchealth.org

Facebook: www.facebook.com/hocohealth

Twitter: HowardCoHealthDep

**Dr. Maura J. Rossman, M.D., Health Officer**

**TO ALL INTERESTED PARTIES**

When submitting a well permit application for a proposed well for new construction, please indicate one of the following:

Well Site Location:

10746 JUDY LANE	COLUMBIA	
Subdivision/Property Name	Lot #	Road Name

2 Geo Bores

The well-site has been staked by Michael Barlow  
(professional land surveyor or company employing professional land surveyors)  
on 1/15/2020 (date) and does not require a site inspection.

*both Bores are 20' from house*

The well driller, builder or property owner will call the Health Department to schedule a time to meet in the field to verify the proposed well site location.

This sheet, along with two copies of an acceptable well site plan, must be attached to the green well permit application.

