



# HOWARD COUNTY HEALTH DEPARTMENT

64823

4 / 4 / 19 DATE

WS

Received From

Stephen Adash

PHONE #

For

Geo-Thermal well -  
6029 Jerry's Dr.

CASH

CHECK

NO.

cc

One hundred seventy

Dollars

\$

100 | 00

Received By

King

C1 54862

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

COUNTY NUMBER XIV

1 2 3 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

ST/CO USE ONLY DATE Received MM DD YY 06 14 19

DATE WELL COMPLETED MM DD YY 05 24 19

Depth of Well 283 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-18-0026

OWNER Diaby last name, Gareth J Dee first name, TOWN Columbia, SUBDIVISION Lot 2 BK B L 088 Ac Neumann Pop Rd SECTION LOT 2

WELL LOG table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), check if water bearing. Includes handwritten entries: Top Soil, Sandy Mica, Gravel, Grey schist SANDY.

GROUTING RECORD form with fields: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL (CM), NO. OF BAGS (18), NO. OF POUNDS (900), GALLONS OF WATER (342), DEPTH OF GROUT SEAL (0 to 283 ft).

CASING RECORD form with fields: casing types insert appropriate code below (ST, CO, PL, OT), MAIN CASING TYPE (PL), Nominal diameter top (main) casing (6), Total depth of main casing (63).

OTHER CASING (if used) table with columns: diameter inch, depth (feet) from, to.

SCREEN RECORD form with fields: screen type or open hole (insert appropriate code below: ST, BR, HO, PL, OT).

DEPTH (nearest ft.) table with columns: 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.

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 form with fields: HOURS PUMPED (N/A), PUMPING RATE (N/A), METHOD USED TO MEASURE PUMPING RATE (N/A), WATER LEVEL (distance from land surface) BEFORE PUMPING (N/A), WHEN PUMPING (N/A), TYPE OF PUMP USED (for test) (A, C, J, P, R, S, T, O).

PUMP INSTALLED form with fields: DRILLER INSTALLED PUMP (YES/NO), TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29, CAPACITY: GALLONS PER MINUTE (N/A), PUMP HORSE POWER (N/A), PUMP COLUMN LENGTH (N/A), CASING HEIGHT (circle appropriate box and enter casing height) (49 above, 50 below).

LATITUDE 39.204913, LONGITUDE 76.876155 (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 (Y) (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. 1 MWD 572, DRILLERS SIGNATURE (Must match signature on application)

LIC. NO. 1 JWD 411, SITE SUPERVISOR (sign of driller or journeyman responsible for sitework if different from permittee)



C 1 54853

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

COUNTY NUMBER ATL

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

ST/CO USE ONLY DATE RECEIVED MM DD YY 06/19

DATE WELL COMPLETED MM DD YY 05 24 19

Depth of Well 283 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" H6-18-0026

OWNER Digby Careth & Dec WELL SITE ADDRESS 6029 Jerrys drive TOWN Columbia SUBDIVISION BKB 1.05A Newman Prop SECTION      LOT 2

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes handwritten entries: Top Soil, Sandy mica gravel, Sandy Mica gravel, grey Sandy gravel.

GROUTING RECORD form with fields: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL (CM, BC), NO. OF BAGS (18), NO. OF POUNDS (700), GALLONS OF WATER (392), DEPTH OF GROUT SEAL.

CASING RECORD form with fields: casing types insert appropriate code below (ST, CO, PL, OT), MAIN CASING TYPE (ST), Nominal diameter top (main) casing (6), Total depth of main casing (63).

OTHER CASING (if used) form with fields: diameter inch, depth (feet) from to.

SCREEN RECORD form with fields: screen type or open hole (ST, BR, HO, PL, OT), diameter of screen (61), DEPTH (nearest ft.) (283).

NUMBER OF UNSUCCESSFUL WELLS: 0 WELL HYDROFRACTURED: Y

CIRCLE APPROPRIATE LETTER: A 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" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT...

DRILLERS LIC. NO. M WD 572 DRILLERS SIGNATURE [Signature] LIC. NO. JUD 411

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

Table with columns: ACHCASING, 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. Includes handwritten entries: HO 61 283.

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 form with fields: HOURS PUMPED (8), PUMPING RATE (n/a), METHOD USED TO MEASURE PUMPING RATE (n/a), WATER LEVEL (distance from land surface) BEFORE PUMPING (n/a), WHEN PUMPING (n/a), TYPE OF PUMP USED (for test) (S submersible).

PUMP INSTALLED form with fields: DRILLER INSTALLED PUMP (YES), 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) (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) (3).

LATITUDE 39.204881 LONGITUDE 76.876219 (DEFAULT COORD. WGS 84)

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B 1  
SEQUENCE NO. (MDE USE ONLY)  
57087

STATE OF MARYLAND  
APPLICATION FOR PERMIT TO DRILL WELL  
524/823 please type

HO-18-0026  
fill in this form completely

1 2 3  
Date Received (APA) 04/04/19  
OWNER INFORMATION  
8 MM DD YY 13  
15 Last Name Diaby Owner Gareth & Dee First Name 34  
36 Street or RFD 6029 Terrys Dr. 55  
57 Town Columbia Md. 70 State 72 Zip 21044 76

B 3  
LOCATION OF WELL  
8 COUNTY Howard  
23 SUBDIVISION Lot 2 Blk B 1.058A Newman Prop RSB Lot 11 42  
SECTION 44 46 LOT 2 48 50  
52 NEAREST TOWN Columbia 71

DRILLER INFORMATION  
Driller's Name Samuel A. Connelly M W D 572 76 License No. 81  
Firm Name Connelly & Associates, Inc.  
Address 1373 Tilco Dr, Frederick MD 21704  
Signature Samuel A. Connelly Date 4-4-19

B 4  
SOURCES OF DRILLING WATER  
1. public  
2.  
3.  
6029 Terrys Dr. 30  
STREET ADDRESS  
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
NORTH  
WEST 32 EAST  
SOUTH  
34 350 37  
DISTANCE FROM ROAD FT  
ENTER FT OR MI 38 39  
TAX MAP: 0035 BLK: PARCEL 0477

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

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL  
Howard 13  
COUNTY NAME COUNTY NO.  
STATE SIGNATURE INSERT S 41  
DATE ISSUED 4/10/19 4/10/20  
43 MM DD YY 48 CO SIGNATURE EXP. DATE

APPROXIMATE DEPTH OF WELL 283 FEET  
24 28

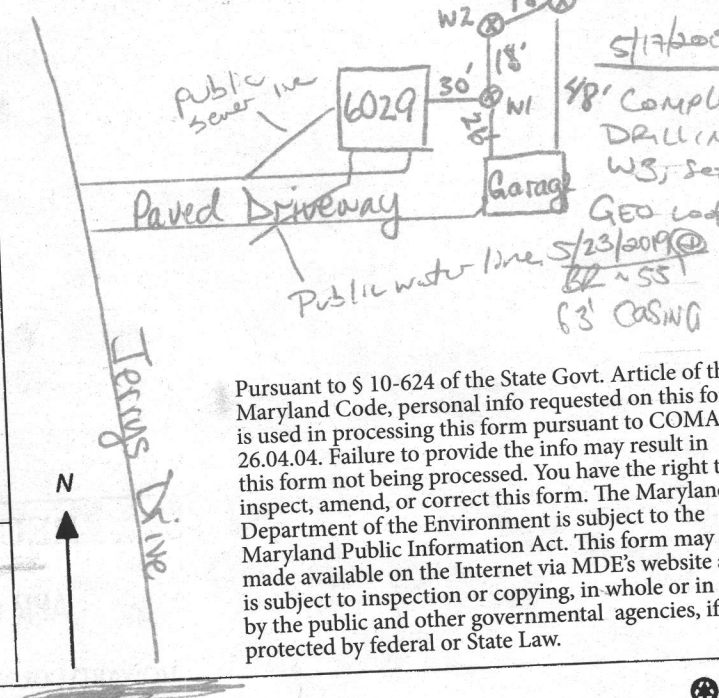
APPROXIMATE DIAMETER OF WELL 6 INCH  
NEAREST INCH

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)  
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 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-18-0026  
70 71 72 73 74 75 76 77 78 79

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



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\*\*\*\*\*  
 WATER WELL ABANDONMENT-SEALING REPORT FORM  
 \*\*\*\*\*

UBMIT COPIES OF COMPLETED FORM TO:

COUNTY ENVIRONMENTAL AGENCY (contact MDE, WMA if address needed)  
 WELL OWNER  
 MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

FAILED GEO BOLE  
 APPROVED 2/25/2020

DATE WELL ABANDONED: 05/24/2019 (month/day/year)

\* PERMIT NUMBER OF ABANDONED WELL (if any)

40 - 18 - 0026

\* PERMIT NUMBER OF REPLACEMENT WELL:

40 - 18 - 0026

\* PERSON ABANDONING WELL: Jerry Henning

WELL DRILLER'S LICENSE NUMBER: JWD-411

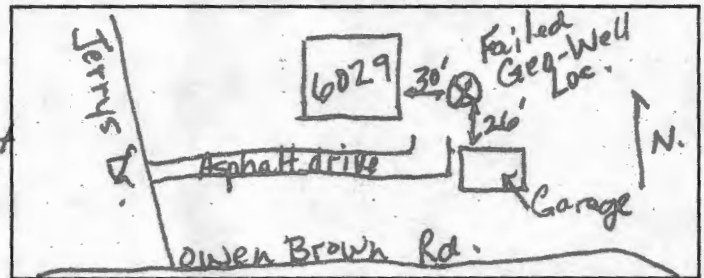
\* OWNER'S NAME: Gareth Digby

CIRCLE: MWD / MSD / MGD

\* WELL LOCATION:

COUNTY: Howard  
 NEAREST TOWN: Columbia  
 TAX MAP 0035 BLOCK PARCEL 0477  
 SUBDIVISION: Lot 2 Blk B1.058A Newman Prop RSB Lot  
 SECTION: \_\_\_\_\_ LOT: 2  
 STREET ADDRESS: 6029 Terrys Dr.

SITE LOCATION MAP



LATITUDE 3 9. 2 0 4 8 1 5

LONGITUDE 7 6. 8 7 6 2 0 1

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
Well grout DF Bentonite	0	260
VOLUME OF MATERIAL USED		
<u>346 gal.</u>		

\* TYPE OF WELL BEING ABANDONED:

DRILLED  JETTED  
 BORED  HAND DUG  
 OTHER (specify) Air Percussion

\* USE CODE:

DOMESTIC  MUNICIPAL/PUBLIC  
 IRRIGATION  INDUSTRIAL  
 TEST/OBSERVATION  GEOTHERMAL

\* TYPE OF CASING:

STEEL  PLASTIC  
 CONCRETE  OTHER (specify)

SIZE OF CASING: 6 INCHES IN DIAMETER

DEPTH OF WELL: 260 FEET DEEP

WAS ANY CASING REMOVED?  YES  NO

If yes, length removed, in feet: 5

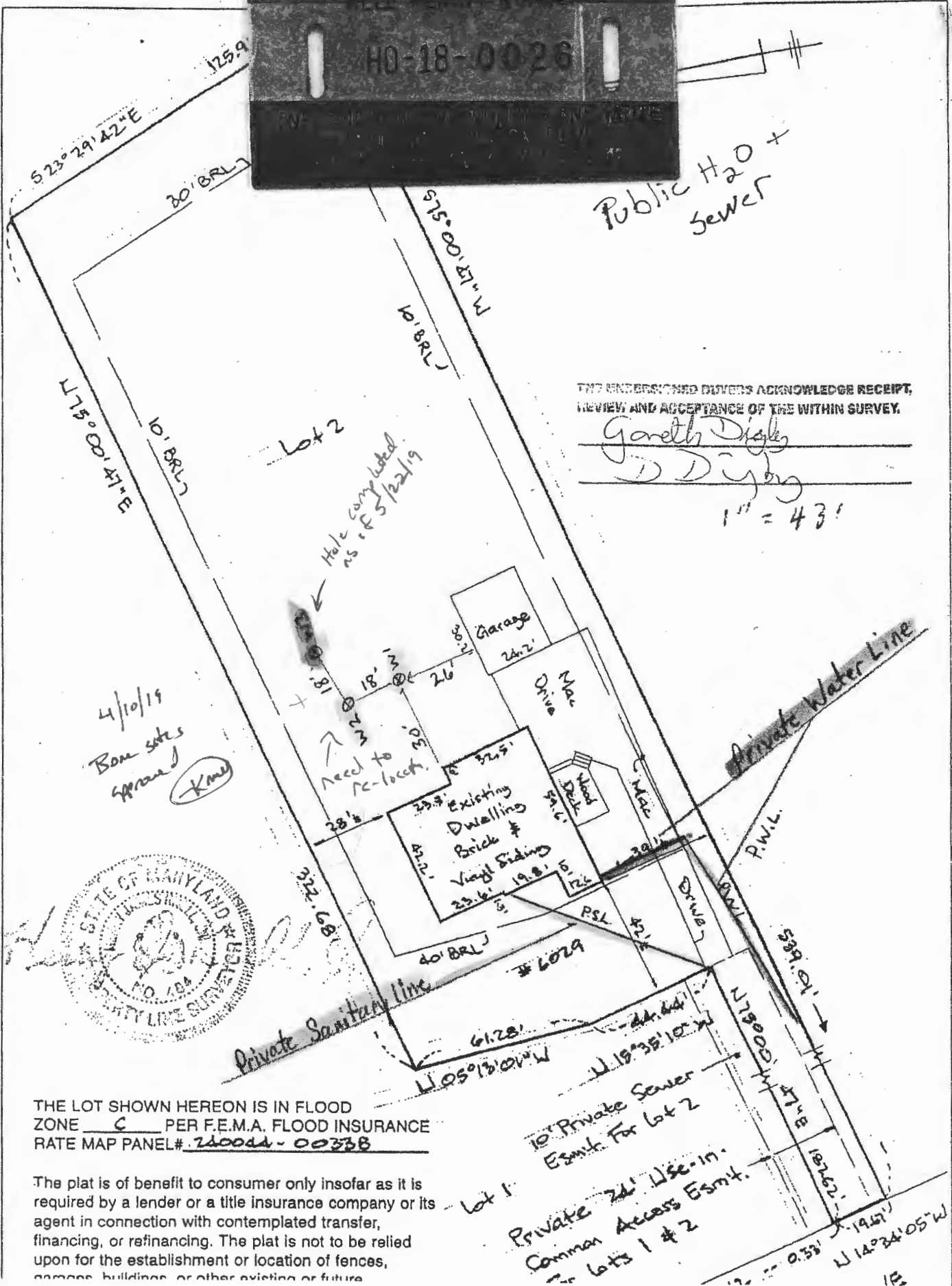
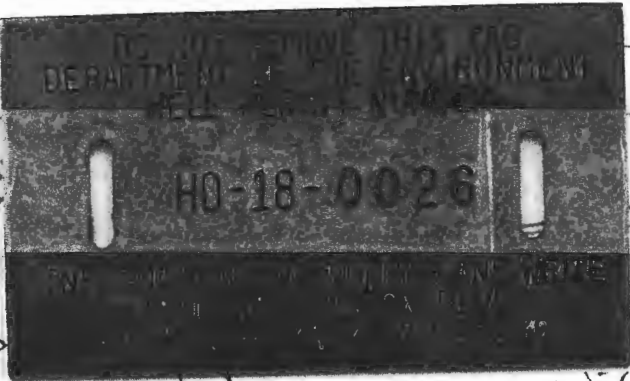
WAS CASING RIPPED OR PERFORATED?  YES  NO

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN Steph DeKal LICENSE# 587

MWD / MSD / MGS 2-19-2020  
 CIRCLE ONE DATE

COUNTY

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THE UNDERSIGNED BUYERS ACKNOWLEDGE RECEIPT, REVIEW AND ACCEPTANCE OF THE WITHIN SURVEY.

Gareth Disher  
D D Jones

1" = 43'

4/10/19  
Bone sites  
Approved (KMD)

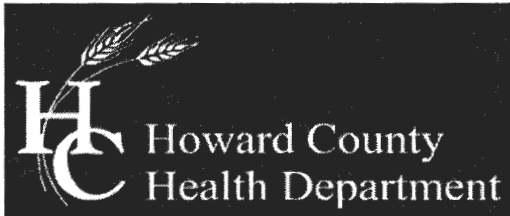


THE LOT SHOWN HEREON IS IN FLOOD ZONE C PER F.E.M.A. FLOOD INSURANCE RATE MAP PANEL# 240044-00338

The plat is of benefit to 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. The plat is not to be relied upon for the establishment or location of fences, garage, buildings, or other existing or future

10' Private Sewer Esm't. For Lot 2

Private 24' Use-In-Common Access Esm't. For Lots 1 & 2



Bureau of Environmental Health

8930 Stanford Boulevard, Columbia, MD 21045

Main: 410-313-2640 | Fax: 410-313-2648

TDD 410-313-2323 | Toll Free 1-866-313-6300

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:

Lot 2 BIK B 1,058 A

6029 Jerrys Drive

Newman Prop RSB LOT 11

Subdivision/Property Name

2

Lot #

Jerrys Drive

Road Name

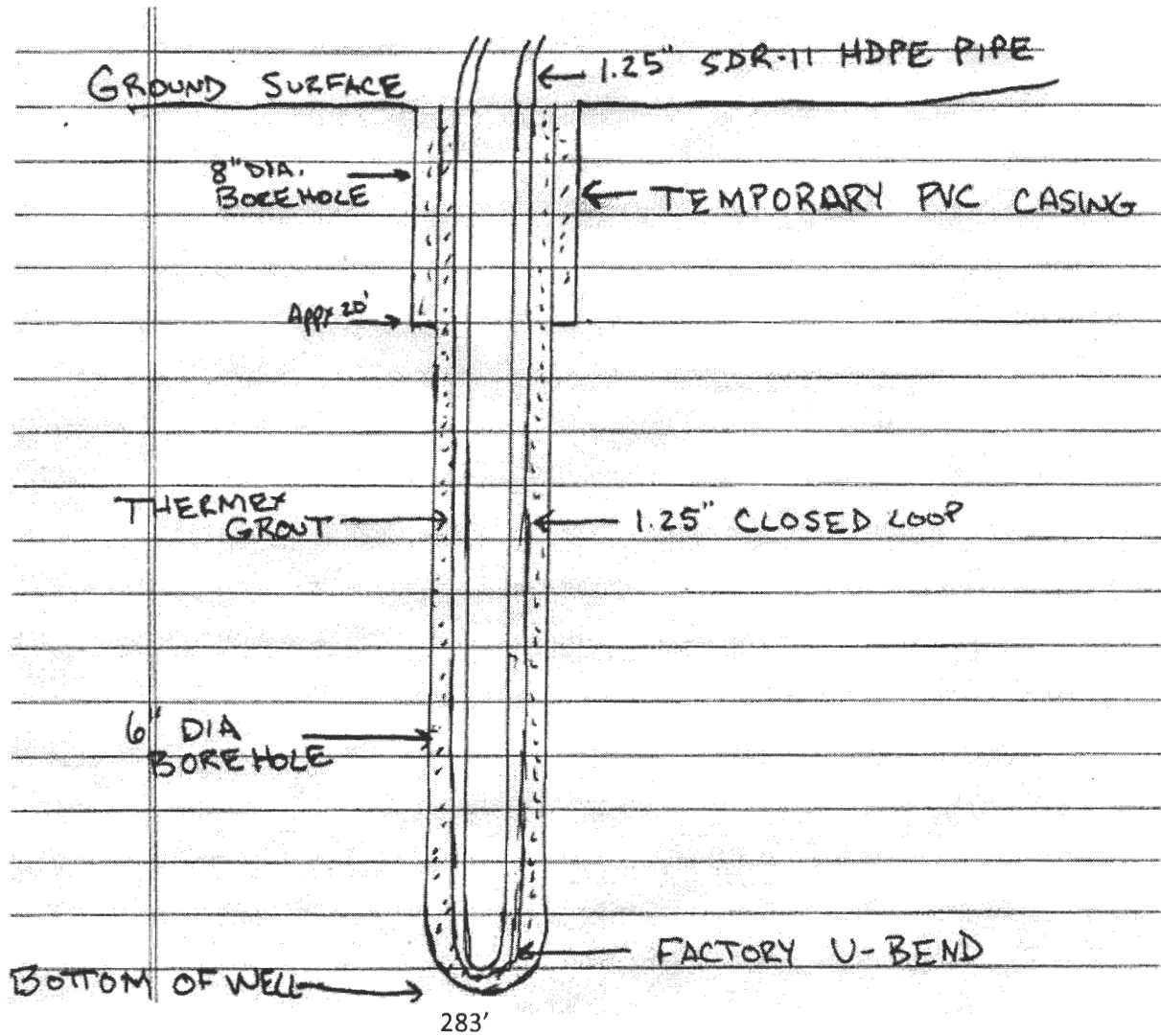
- The well site has been staked by \_\_\_\_\_  
(professional land surveyor or company employing professional land surveyors)  
on \_\_\_\_\_ (date) and does not require a site inspection.

- 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.

Well locations have been flagged (white) on site 3-28-19

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

Geothermal Closed Loop – 6029 Jerrys Dr. Columbia, Md. 21044



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.**