



# HOWARD COUNTY HEALTH DEPARTMENT

DATE 1/23/19

WS

Received From

Chesapeake Geasy Services PHONE # 410-789-5020

For

will permit / 9358 Gentle way.

CASH

CHECK

NO.

3930M

One hundred sixty

Dollars

\$

160.00

Received By

D King

**B 1** 62836 SEQUENCE NO. (MDE USE ONLY) **STATE OF MARYLAND** STATE PERMIT NUMBER  
**APPLICATION FOR PERMIT TO DRILL WELL** HO-18-0009  
 please type 524739 fill in this form completely

**OWNER INFORMATION**  
 Date Received (APA) 01/23/19  
 8 MM DD YY 13  
Johnston Donald  
 15 Last Name Owner First Name 34  
9358 Gentle Way  
 36 Street or RFD 55  
Columbia, MD 21045-5104  
 57 Town 70 State 72 Zip 76

**B 3** **LOCATION OF WELL**  
Howard County  
 8 COUNTY 21  
 23 SUBDIVISION 42  
 SECTION 44 46 LOT 134  
 48 50  
Columbia  
 52 NEAREST TOWN 71

**DRILLER INFORMATION**  
Jeff Carron M WD 567  
 Driller's Name 76 License No. 81  
Chesapeake Geosystems, Inc.  
 Firm Name  
6720 Fort Smallwood Rd Balt.  
 Address  
Jeff Carron 11/01/2019  
 Signature Date

**B 4** **SOURCES OF DRILLING WATER**  
 1. municipal  
 2. 3/4/19 @ 270'  
 3. 210 gpm - 1420'  
 not mitigated by 2 silt fence - STOP WORK - neighboring property flooded - driller to bring pumps to site for remediation

9358 Gentle Way  
 11 STREET ADDRESS 30  
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
 NORTH N WEST W EAST E SOUTH S  
 34 110 37 DISTANCE FROM ROAD FT  
 ENTER FT OR MI 38 39  
 TAX MAP: 36 BLK: 22 PARCEL 387

**B 2** **WELL INFORMATION**  
 APPROX. PUMPING RATE (GAL. PER MIN.) N/A  
 8 12  
 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) N/A  
 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  
 22 3/5/19 - 3rd silt fence added and flooding mitigated  
80' casing  
1st fracture @ 40' - 3/40 gpm  
2nd fracture @ 100' - 50/100 gpm  
Total estimate - 100 gpm (est)

**NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL**  
Howard 13  
 COUNTY NAME COUNTY NO.  
 STATE SIGNATURE INSERT S → 41  
 DATE ISSUED 2/6/19  
 43 MM DD YY 48 Sh. Cell. 2/6/20  
 CO SIGNATURE EXP. DATE  
DON: 3/4/19 DOG: 3/6/19

APPROXIMATE DEPTH OF WELL 300 FEET  
 24 28

APPROXIMATE DIAMETER OF WELL 6 INCH  
 NEAREST INCH

**METHOD OF DRILLING (circle one)**  
 BORED (or Augered) JETTED Jetted & DRIVEN  
 AIR-ROTARY  AIR-PERCussion  ROTARY (Hydraulic Rotary)  
 30  
 37 CABLE Reverse-ROTary Drive-POINT  
 other \_\_\_\_\_

**REPLACEMENT OR DEEPEINED 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 DEEPEIN AN EXISTING WELL  
 39  
 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE) 41 \_\_\_\_\_ 52

**Not to be filled in by driller (MDE OR COUNTY USE ONLY)**  
 APPROP. PERMIT NUMBER \_\_\_\_\_ G \_\_\_\_\_  
 PERMIT No. HO-18-0009  
 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

3/6/19 - driller onsite for grouting: 2 large voids during drilling - 150 lbs of grout so far 300lbs total estimated

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. 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.

DRILLER: COMPLETE THIS FORM AND RETURN ALL PARTS OF THIS FORM INTACT TO THE ENVIRONMENTAL AGENCY IN THE COUNTY IN WHICH THE WELL IS TO BE DRILLED. PRESS FIRMLY FOR FIFTH COPY.

<b>C1</b>	<b>56944</b>	SEQUENCE NO. (MDE USE ONLY)	<b>STATE OF MARYLAND WELL COMPLETION REPORT</b>	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
1 2 3 4 5 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 9-6 ON ALL CARDS)		FILL IN THIS FORM COMPLETELY PLEASE TYPE		
ST/CO USE ONLY DATE Received <i>Rossalv</i>		DATE WELL COMPLETED MM <i>03</i> DD <i>16</i> YY <i>2019</i> <i>Approved 09/08/2021</i>		COUNTY NUMBER <b>13</b>
OWNER <i>Johnston Donald</i>		Depth of Well <i>300</i> (TO NEAREST FOOT)		PERMIT NO. FROM "PERMIT TO DRILL WELL" <i>HO-18-0009</i>
WELL SITE ADDRESS <i>9358 Gentle way</i>		TOWN <i>Columbia, MD 21045</i>		
SUBDIVISION		SECTION		LOT <i>134</i>

WELL LOG			
Not required for driven wells			
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING			
DESCRIPTION (Use additional sheets if needed)	FEET		check if water bearing
	FROM	TO	
Silt with sand moist brown white	0	30	
Weathered Rock Wet whitish brown	30	55	✓
Rock, schist medium hard	55	300	✓

GROUTING RECORD	
WELL HAS BEEN GROUTED (Circle Appropriate Box) <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
TYPE OF GROUTING MATERIAL (Circle one)	
CEMENT <input checked="" type="checkbox"/> <b>CM</b>	BENTONITE CLAY <input checked="" type="checkbox"/> <b>BC</b>
NO. OF BAGS <i>15</i>	NO. OF POUNDS <i>450</i>
GALLONS OF WATER <i>360</i>	
DEPTH OF GROUT SEAL (to nearest foot)	
from <i>0</i>	ft. to <i>300</i>
-48- TOP	52 ft. to 64- BOTTOM -58-
(enter 0 if from surface)	
CASING RECORD	
casing types insert appropriate code below	
<input checked="" type="checkbox"/> <b>ST</b> STEEL	<input checked="" type="checkbox"/> <b>CO</b> CONCRETE
<input type="checkbox"/> <b>PL</b> PLASTIC	<input type="checkbox"/> <b>OT</b> OTHER
MAIN CASING TYPE	OTHER CASING (if used)
Nominal diameter top (main) casing (nearest inch)	diameter inch
Total depth of main casing (nearest foot)	depth (feet) from to
-60- 61	65 64 - 66 70
SCREEN RECORD	
screen type or open hole	
<input checked="" type="checkbox"/> <b>ST</b> STEEL	<input type="checkbox"/> <b>BR</b> BRASS
<input type="checkbox"/> <b>PL</b> PLASTIC	<input type="checkbox"/> <b>HO</b> OPEN HOLE
Insert appropriate code below	
DEPTH (nearest ft.)	
11	15 17
23 24 26	30 32 36
38 39 41	45 47 51
SLOT SIZE 1 2 3	
DIAMETER OF SCREEN (NEAREST INCH)	
58	60
from to	
GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT IF IN BOX 66	
MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) (E.R.O.S.)	
T	W Q
70	72
74	75 76
TELESCOPE CASING	LOG INDICATOR
OTHER DATA	

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
WHEN PUMPING	
22	25
TYPE OF PUMP USED (for test)	
<input type="checkbox"/> <b>A</b> air	<input type="checkbox"/> <b>P</b> piston
<input type="checkbox"/> <b>C</b> centrifugal	<input type="checkbox"/> <b>R</b> rotary
<input type="checkbox"/> <b>J</b> jet	<input type="checkbox"/> <b>S</b> submersible
<input type="checkbox"/> <b>T</b> turbine	<input type="checkbox"/> <b>O</b> other (describe below)

PUMP INSTALLED	
DRILLER INSTALLED PUMP (CIRCLE) YES 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)	
<input type="checkbox"/> + above	LAND SURFACE (nearest foot)
<input type="checkbox"/> - below	50 51

LATITUDE *39.188430*  
 LONGITUDE *76.835924*  
 (DEFAULT COORD. WGS 84)

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NUMBER OF UNSUCCESSFUL WELLS: *0*

WELL HYDROFRACTURED  YES  NO

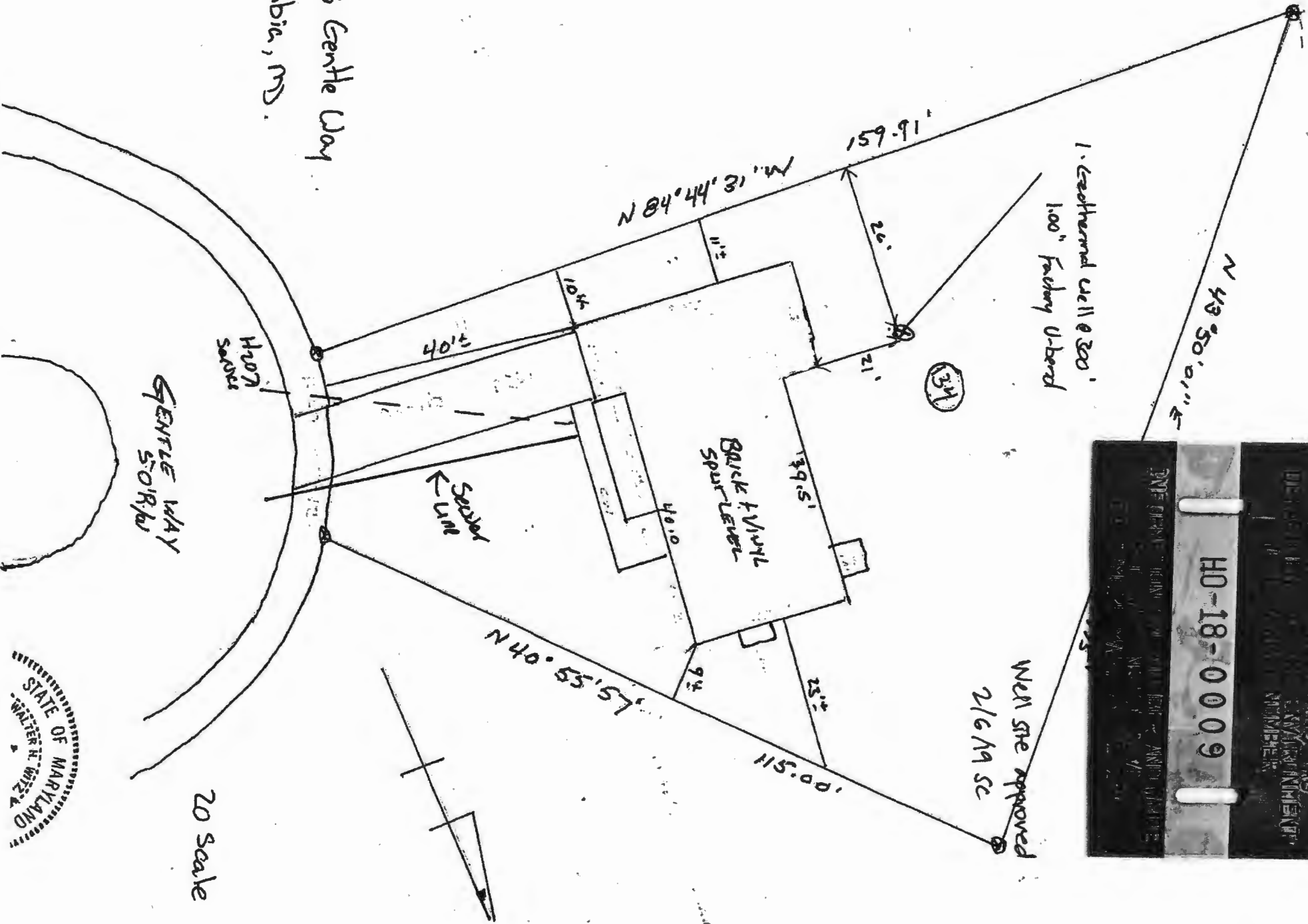
CIRCLE APPROPRIATE LETTER  
**A** A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED  
**E** ELECTRIC LOG OBTAINED  
**P** TEST WELL CONVERTED TO PRODUCTION WELL

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 *MW D 567*  
*[Signature]*  
 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. 1 *D*

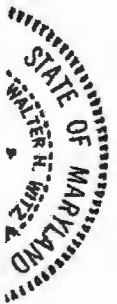
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)



9358 Gentle Way  
Columbia, MD.

50' R/W  
GENTLE WAY

20 scale



Well site approved  
2/6/19 SC

**Wolf, Kevin**

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**From:** DILP@howardcountymd.gov  
**Sent:** Wednesday, January 23, 2019 1:08 PM  
**To:** Freemon, Robert; Bernard, Dana; Bricker, Robert; Wolf, Kevin; Oswald, Hank; Williams, Jeffrey; Martin, Sharhonda; Walker, Chris C  
**Subject:** Howard County New Geothermal HVAC Permit Ready for Health Dept Review

This email is to inform you that HVAC Permit #M19000048 is ready for review. Please check your quick query and process accordingly.

*4/23/19  
- will appear when  
you have an account  
- K.*

