



HOWARD COUNTY HEALTH DEPARTMENT

67252

DATE 12/3/19

WS

Received From

Chesapeake Geosystems

PHONE #

For

well permit / 7109
Benjo Ct

CASH

CHECK

NO.

40202

One hundred sixty

Dollars

\$

160 00

Received By

King

C1 67059

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: Theta Aniruddha, WELL SITE ADDRESS: 7109 Bayo Ct, TOWN: Columbia, SUBDIVISION, SECTION, LOT: 47

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. Rows include: Mont h cut Brown, SHFF m-f sandy silt; Unconsolidated Rock; Rock; 2x Geothermal

GROUTING RECORD

WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL (Cement CM, Bentonite Clay BC), NO. OF BAGS 12, NO. OF POUNDS 60, GALLONS OF WATER 200, DEPTH OF GROUT SEAL 0' to 240'

CASING RECORD

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

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

SCREEN RECORD

screen type or open hole, insert appropriate code below

Table for SLOT SIZE 1, 2, 3 and DIAMETER OF SCREEN (NEAREST INCH)

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)

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) 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) 49 51

LATITUDE 39.187606, LONGITUDE 76.838933 (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 598, 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)

TAR = CED

B 1 SEQUENCE NO. (MDE USE ONLY) 64184 STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type STATE PERMIT NUMBER HO-18-0145
70 fill in this form completely 79

1 2 3 6 Date Received (APA) 2/23/19
8 MM DD YY 13
OWNER INFORMATION
 15 Last Name Thakar Owner First Name Aniruddha 34
 36 Street or RFD 7109 Banjo Court 55
 57 Town Columbia 70 State Md 72 Zip 21045 76

B 3 LOCATION OF WELL
 8 COUNTY Howard 21
 23 SUBDIVISION Village Owen Brown 42
 SECTION 44 46 LOT 47 48 50
 52 NEAREST TOWN Columbia 71

DRILLER INFORMATION
 Driller's Name Wesley Wolfe 76 License No. MWD 598 81
 Firm Name Chesapeake Geosystems Inc
 Address 6720 Ft Smallwood Rd Baltimore Md
 Signature Wesley a Wolfe 21226 Date 11-9-19 76

B 4 SOURCES OF DRILLING WATER
 1. Public
 2.
 3.
 11 STREET ADDRESS 7109 Banjo Ct 30
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 NORTH WEST EAST SOUTH
 34 75 37 DISTANCE FROM ROAD ENTER FT OR MI FT 38 39
 TAX MAP: 0036 BLK: _____ PARCEL 0383

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

USE FOR WATER (CIRCLE APPROPRIATE BOX)
 D DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION
 F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
 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
 COUNTY NAME Howard COUNTY NO. 21
 STATE SIGNATURE _____ INSERT S _____ 41
 DATE ISSUED 01/15/2020 43 MM DD YY 48 CO SIGNATURE _____ EXP. DATE _____

APPROXIMATE DEPTH OF WELL 480 FEET 24 28
 APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST

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
01/14/2020

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
 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

Laid out in field w/ Driller & Inspector
 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.

Not to be filled in by driller (MDE OR COUNTY USE ONLY)
 APPROP. PERMIT NUMBER _____ G _____
 PERMIT No. HO-18-0145
70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS
 NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED. SEE ATT-MEMO

WELL SCHEMATIC FORM

PERMANENT OUTER CASING (if area contaminated)
 MATERIAL _____
 DIAMETER _____
 LENGTH _____
 DEPTH INTO CONFINING UNIT _____

TUBE CASING (if not regular, single loop)
 ATTACH HORIZONTAL SCHEMATIC _____
 NUMBER OF TUBES PER BOREHOLE _____
 DIAMETER OF TUBES _____
 MATERIAL _____
 SHAPE AND LENGTH _____
 TUBE CONNECTION METHOD _____
 TUBE CONNECTION MATERIAL _____

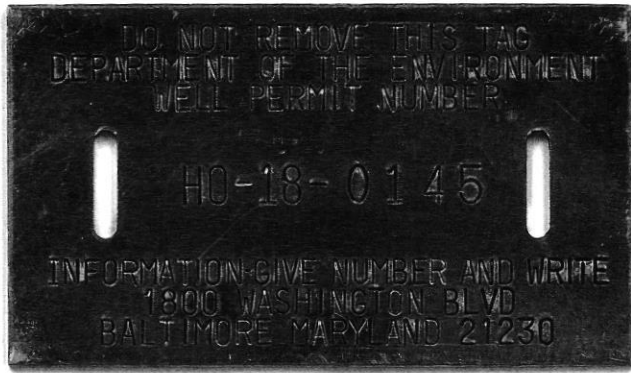
LOOP PIPE CASING (regular, single loop)
 MATERIAL HDPE? YES NO
 DIAMETER 1.25"
 LENGTH 480

GROUT
 MATERIAL Bentonite
 PERMEABILITY 2.5×10^{-8}
 WATER / GROUT RATIO 24 / 50
 PERCENT SOLIDS 20%
 TREMIE GROUTED FROM BOTTOM OF BOREHOLE? YES NO
 USING A POSITIVE DISPLACEMENT PUMP? YES NO

DEPTH TO THE BOTTOM OF HOLE 480
 DIAMETER OF BOREHOLE 6"

WELL ADDRESS
7109 Banjo Court
Columbia Md 21045
 LOT NUMBER: 47
 SQUARE NUMBER: _____

WELL OWNER:
Ani Thakar
 OWNER ADDRESS:
7109 Banjo Ct
Columbia Md 21045



Ani Thakar
7109 Banjo Ct
Columbia Md 21045

1 well @ 480' with
Closed Loop geothermal
with Factory U-Bend

APPROVED 01/07/2020 @
001997

STAKED BY DRIVER

