

C1 48275 SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND
WELL COMPLETION REPORT
FILL IN THIS FORM COMPLETELY
PLEASE TYPE

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

COUNTY NUMBER 13

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

ST/CO USE ONLY DATE RECEIVED
MM 04 DD 10 YY 18

DATE WELL COMPLETED
MM 3 DD 28 YY 2018

Depth of Well
400
(TO NEAREST FOOT)

PERMIT NO.
FROM "PERMIT TO DRILL WELL"
HO-17-0279

OWNER Nefliu Marius

WELL SITE ADDRESS 12905 Linden Church Road TOWN Clarksville, MD 21029-1122

SUBDIVISION _____ SECTION _____ LOT _____

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	
<u>Brownsilt, trace of sand stiff</u>	<u>0</u>	<u>10</u>	
<u>Weathered Rock Gray/Brown</u>	<u>10</u>	<u>40</u>	
<u>Rock, Gray, hard, medium hard</u>	<u>40</u>	<u>400</u>	

Installed 1.25" closed loop geothermal

GROUTING RECORD YES NO

WELL HAS BEEN GROUTED (Circle Appropriate Box) **Y** **N**

TYPE OF GROUTING MATERIAL (Circle one)
CEMENT **CM** BENTONITE CLAY **BC**

NO. OF BAGS 22 NO. OF POUNDS 7,100

GALLONS OF WATER 418

DEPTH OF GROUT SEAL (to nearest foot)
from 0 ft. to 400 ft.
(enter 0 if from surface)

CASING RECORD

caseing types insert appropriate code below

ST STEEL **CO** CONCRETE
PL PLASTIC **OT** OTHER

MAIN CASING TYPE

Nominal diameter top (main) casing (nearest inch) Total depth of main casing (nearest foot)

60 61 63 64 66 70

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

SCREEN RECORD

screen type or open hole insert appropriate code below

ST STEEL **BR** BRASS **HO** OPEN HOLE
PL PLASTIC **OT** OTHER

DEPTH (nearest ft.)

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

SLOT SIZE 1 _____ 2 _____ 3 _____

DIAMETER OF SCREEN (NEAREST INCH)
from _____ to _____

C3

PUMPING TEST

HOURS PUMPED (nearest hour) N/A

PUMPING RATE (gal. per min.) N/A

METHOD USED TO MEASURE PUMPING RATE N/A

WATER LEVEL (distance from land surface)

BEFORE PUMPING 30 ft.

WHEN PUMPING N/A ft.

TYPE OF PUMP USED (for test)

A air **P** piston **T** turbine
C centrifugal **R** rotary **O** other (describe below)
J jet **S** submersible

PUMP INSTALLED

DRILLER INSTALLED PUMP 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. 29

CAPACITY: GALLONS PER MINUTE (to nearest gallon) _____

PUMP HORSE POWER _____

PUMP COLUMN LENGTH (nearest ft.) _____

CASING HEIGHT (circle appropriate box and enter casing height)

+ above } LAND SURFACE
- below } 3 (nearest foot)

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. M WD 567

DRILLERS SIGNATURE _____
(MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. D

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

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

T (E.R.O.S.) W Q

70 _____ 72 _____ 74 75 76 _____

TELESCOPE CASING LOG INDICATOR OTHER DATA

LATITUDE 39.133852 227362

LONGITUDE 76.573763 960475

(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. 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.

B 1
53512

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND
APPLICATION FOR PERMIT TO DRILL WELL
562918 please type

STATE PERMIT NUMBER
Ho - 17 - 0279
fill in this form completely 79

Date Received (APA) 050618
OWNER INFORMATION
8 MM DD YY 13
Nefliu Marius
15 Last Name Owner First Name 34
12905 Linden Church Road
36 Street or RFD 55
Clarksville, MD 21029-1122
57 Town 70 State 72 Zip 76

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

DRILLER INFORMATION
Jeff Corran MWD 567
Driller's Name 76 License No. 81
Chesapeake Geosystems, Inc.
Firm Name
6720 Fort Smallwood Road Balt.
Address
Signature Date 3/2/2018

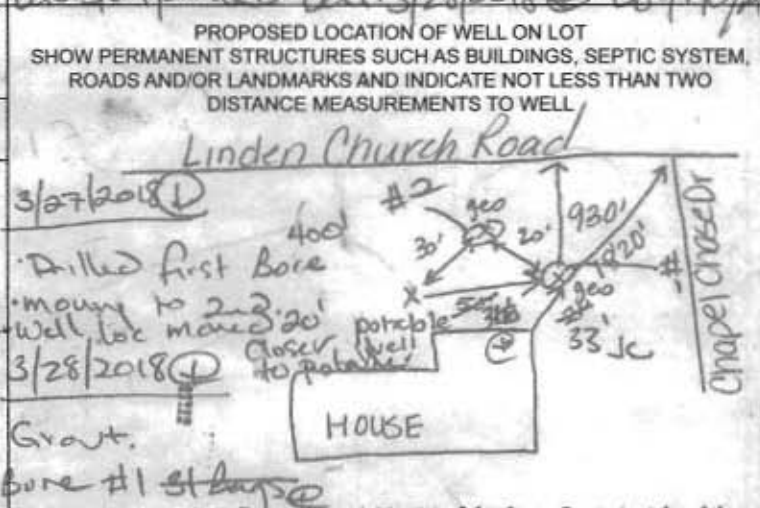
B 4 SOURCES OF DRILLING WATER
1. municipal
2.
3.
12905 Linden Church Rd
11 STREET ADDRESS 30
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
NORTH N
WEST W EAST E
SOUTH S
34 930 37
DISTANCE FROM ROAD ENTER FT OR MI 38 39
TAX MAP: 28 BLK: 16 PARCEL 130

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

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 2 bores

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
Howard County (13)
COUNTY NAME COUNTY NO.
STATE SIGNATURE Amy V. Williams INSERT S 41
DATE ISSUED 3/16/18 CO SIGNATURE St. Cell: 3/16/19 EXP. DATE
43 MM DD YY 48

APPROXIMATE DEPTH OF WELL 400 FEET
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)
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-17-0279

SPECIAL CONDITIONS
NOTE: APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED.
39.227362 76.960475

WELL SCHEMATIC FORM

GROUND SURFACE

PERMANENT OUTER CASING

PERMANENT OUTER CASING

CONFINING UNIT

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 400'

GROUT

MATERIAL Bentonite Slurry

PERMEABILITY _____

WATER / GROUT RATIO 24 gal / 50 lbs

PERCENT SOLIDS 20%

TREMIE GROUTED FROM BOTTOM OF BOREHOLE? YES NO

USING A POSITIVE DISPLACEMENT PUMP? YES NO

DEPTH TO THE BOTTOM OF HOLE 400'

DIAMETER OF BOREHOLE 6"

WELL ADDRESS 126905
Linden Church Rd
Clarksville Md 21029

LOT NUMBER: _____

SQUARE NUMBER: _____

WELL OWNER: Marius Nefliu

OWNER ADDRESS:
126905 Linden
Church Rd
Clarksville Md