



HOWARD COUNTY HEALTH DEPARTMENT

67892

W5

DATE 7/17/20

Received From Allied Environmental Services PHONE # 301-776-8370

For

Well Permit

☐ CASH

☒ CHECK

NO. 23435

7912 Savage Guitford Rd.
Lot 1

One Hundred Sixty

Dollars

\$ 160.00

Received By

Shirley Bratz

C 1 60539		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.	
1 2 3 4 5 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)		DATE RECEIVED MM DD YY 07 24 20		DATE WELL COMPLETED MM DD YY 07 17 20		DEPTH OF WELL 22 384 26 (TO NEAREST FOOT)	
ST/CO USE ONLY		DATE RECEIVED MM DD YY 07 24 20		DATE WELL COMPLETED MM DD YY 07 17 20		PERMIT NO. FROM "PERMIT TO DRILL WELL" 110 - 20 - 0016	
OWNER Arielle King & Favorite, Kevin		WELL SITE ADDRESS 7912 Savage Guilford Rd		TOWN Savage, MD		SUBDIVISION Baldy House Vine	
SECTION		LOT		LOT		LOT	
WELL LOG Not required for driven wells		GRROUTING RECORD WELL HAS BEEN GROUTED (Circle appropriate Box) yes no Y N 44 44		C 3 1 2		PUMPING TEST	
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING		TYPE OF GROUTING MATERIAL (Circle one) CEMENT CM BENTONITE CLAY BC		HOURS PUMPED (nearest hour) 8 9		PUMPING RATE (gal. per min.) 11 15	
DESCRIPTION (Use additional sheets if needed)		NO. OF BAGS 45 46 16 NO. OF POUNDS 45 46 800		METHOD USED TO MEASURE PUMPING RATE		WATER LEVEL (distance from land surface)	
Bm Clay Builder + Bm Clay Grey Rock + Broken layers		GALLONS OF WATER 400 per loop		BEFORE PUMPING 17 20 ft.		WHEN PUMPING 22 25 ft.	
FEET FROM TO 0 10 10 50 50 384		DEPTH OF GROUT SEAL (to nearest foot) from 48 TOP 52 ft. to 54 BOTTOM 58 ft. (enter 0 if from surface) 384		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 HORSE POWER 31 35	
check if water bearing		Casing types insert appropriate code below ST STEEL CO CONCRETE PL PLASTIC OT OTHER		CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35		PUMP COLUMN LENGTH (nearest ft.) 37 41	
5 closed loops @ 384		MAIN CASING TYPE Nominal diameter top (main) casing (nearest inch) 60 61 63 64 66 70		OTHER CASING (if used) diameter inch depth (feet) from to		CIRCUIT HEIGHT (circle appropriate box and enter casing height) + above - below (nearest foot) 49 50 51	
NUMBER OF UNSUCCESSFUL WELLS:		SCREEN RECORD screen type or open hole insert appropriate code below ST STEEL BR BRASS HO OPEN HOLE PL PLASTIC OT OTHER		LATITUDE 39.15481 LONGITUDE 76.85134 (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.	
WELL HYDROFRACTURED yes no Y N		DEPTH (nearest ft.) 1 2 E 1 8 9 11 15 17 21 A 23 24 26 30 32 36 C 38 39 41 45 47 51 S R E N		SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH) 56 60 from to		PUMPING TEST	
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		MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q		GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68 68		PUMPING TEST	
DRILLERS LIC. NO. 1 M D 11000		SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)		TELESCOPE CASING LOG INDICATOR 74 75 76 OTHER DATA		PUMPING TEST	

06-395392

EMERGENCY/TEMP NO. IF ANY

TAG 7/16/20

B 1

SEQUENCE NO.
(MDE USE ONLY)STATE OF MARYLAND
APPLICATION FOR PERMIT TO DRILL WELL

STATE PERMIT NUMBER

please type

fill in this form completely

Date Received (APA)

OWNER INFORMATION

8 MM DD YY 13

15 Last Name

Owner

First Name

36 Street or RFD

57 Town

70 State

72 Zip

76

DRILLER INFORMATION

Driller's Name

M S D 106

76 License No. 81

Firm Name

Address

Signature

Date

B 2

WELL INFORMATION

APPROX. PUMPING RATE
(GAL. PER MIN.)

8

12

AVERAGE DAILY QUANTITY NEEDED
(GAL. PER DAY)

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

5 loops

APPROXIMATE DEPTH OF WELL 384 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one)

BORED (or Augered)

JETTED

Jettied & DRIVEN

AIR-ROTARY

AIR-PERCussion

ROTARY (Hydraulic Rotary)

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 DEEPEMED 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)

APPROX. PERMIT NUMBER

G

PERMIT No. 10-20-0016

SPECIAL CONDITIONS

NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

B 3

LOCATION OF WELL

8 COUNTY

21

23 SUBDIVISION

42

SECTION

44 46

LOT

48 50

52 NEAREST TOWN

71

B 4

SOURCES OF DRILLING WATER

1. Public
2. 7/15/20
3. Quick Grant, holes 1-3

7912 Savage Guilford Rd

11 STREET ADDRESS

30

ON WHICH SIDE OF ROAD
(CIRCLE APPROPRIATE BOX)

NORTH

WEST

EAST

SOUTH

34 37
DISTANCE FROM ROAD

ENTER FT OR MI 38 39

TAX MAP: 0042 BLK: PARCEL 0429

NOT TO BE FILLED IN BY DRILLER
HEALTH DEPARTMENT APPROVAL

Howard

COUNTY NAME

20

COUNTY NO.

STATE

SIGNATURE

INSERT S

DATE ISSUED

07/13/2020

07/13/2021

43 MM DD YY 48

CO SIGNATURE

EXP. DATE

DON: 7/14/20 DOG: 7/16/20

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

7/14/20

1 hole complete,

200' on 2nd @ 11:45AM

7/15/20

drilling hole 4 @ 3pm

1-3 grouted

7/16/20 @ 3pm

5th hole done

and being

grouted

1-4 grouted

15 fractures

4N 60' 3 200'

20' casing removed

to grout

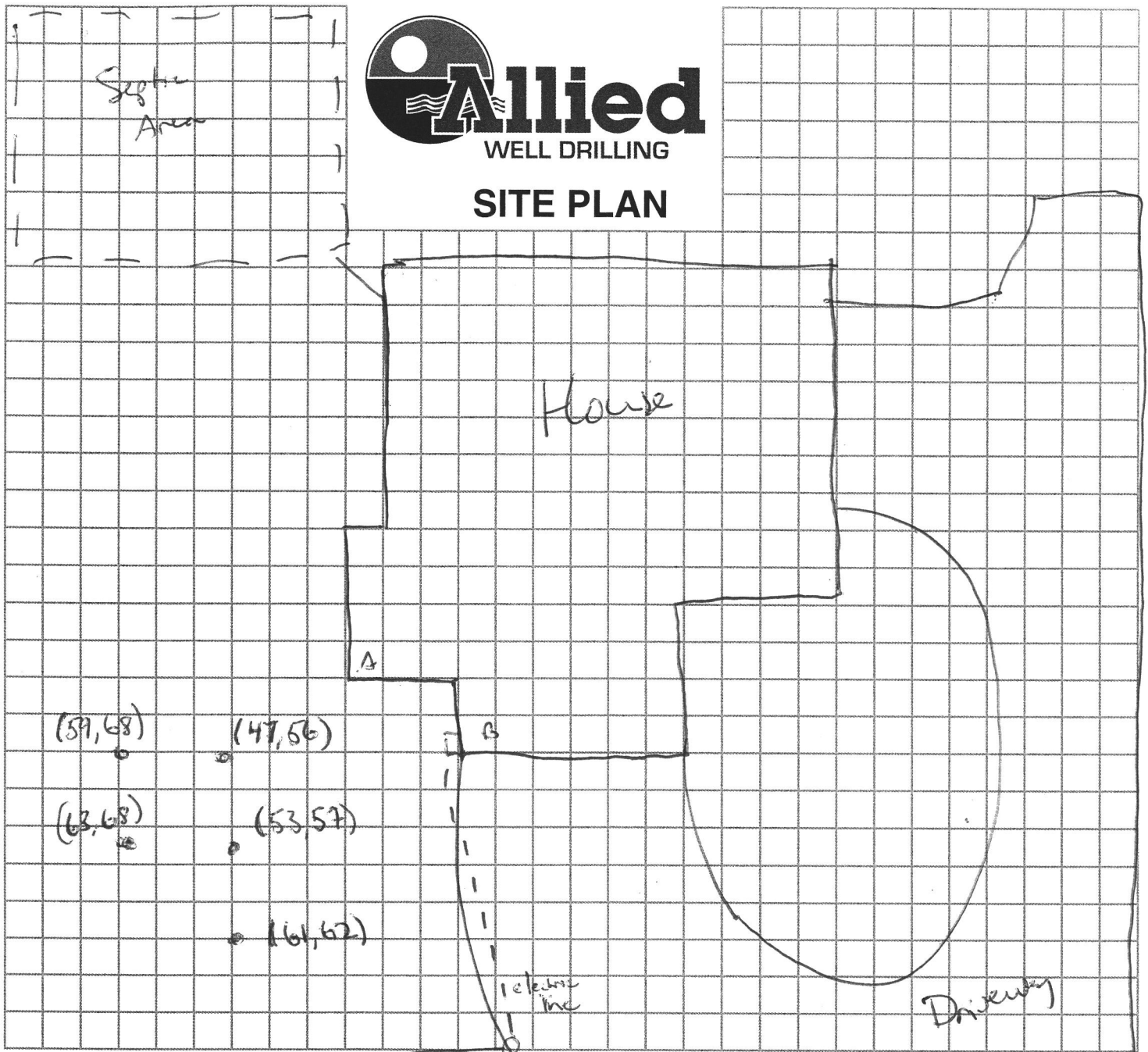
and finish

job. (20)

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SITE PLAN



Sediment Control Protocol: _____

APPROVED 07/12/2020 @ 001997
 STAKED BY DRILLER
 HO-20-0016
 7912 SAVAGE COURT RD

DO NOT REMOVE THIS TAG
 DEPARTMENT OF THE ENVIRONMENT
 WELL PERMIT NUMBER
HO-20-0016
 INFORMATION - GIVE NUMBER AND WRITE
 1800 WASHINGTON BLVD
 BALTIMORE MARYLAND 21230

Trees Nearby: _____
 Utility Issues: _____
 Mats Needed: _____
 Access For H/U: _____
 Neighboring Tags: _____

Person Completing Form: _____

HOWARD COUNTY GROUTING PROCEDURE

Boreholes will be grouted from the bottom to the top via a tremie pipe and positive displacement pump. Bentonite grout, known as Quik-Grout will be used according to the manufacturer's specifications to achieve a consistency of at least 20% solids (24 gallons potable water/50 lb. sack of grout) and a permeability no more than 2.5×10^{-8} cm/sec. Grouting will be completed immediately after installing the geothermal loop and no later than twenty-four (24) hours after installing the geothermal loop. Open boreholes/annular space will be protected as necessary to prevent the entry of surface water or pollutants.

GRADE

EACH BORE HOLE (TYP.)

MINIMUM

HORIZONTAL BURY
DEPTH 4 FT

FOR CONT.
SEE PLANS

HORIZONTAL
PIPING

BORE DEPTH

TAPE

5' TO 10' FOOT SECTION OF
REBAR TO GUIDE TUBE
INTO BORE DURING
INSTALLATION

ANCHOR FITTING TO
PREVENT U-TUBE FROM
SURFACING AFTER
INSTALLATION

GROUT ENTIRE ANNULAR
SPACE AND VERTICAL
U-TUBE WITH (BENTANITE)
GROUT.

DEPTH MARKINGS IN FEET TO
INDICATE DEPTH OF INSERTION

TYPICAL VERTICAL U TUBE
1.5" PINCHES

TYPICAL BORE DIAMETER
6.0 PINCHES

TYPICAL SOCKET U-BEND

