



HOWARD COUNTY HEALTH DEPARTMENT

68753

DATE 2/17/21

WS

PHONE #

301 776-8370

Received From

Allied Env. Services

For

well permit 5000 Ten Oaks Rd.

CASH

CHECK

NO

24890

One hundred seventy

Dollars

King

\$

160100

Received By

C 1 59256
 SEQUENCE NO. (MDE USE ONLY)
 1 2 3 59256 6
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)
 ST/CO USE ONLY
 DATE RECEIVED
 MM DD YY
 08 24 2021

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

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
 COUNTY NUMBER
 PERMIT NO. FROM "PERMIT TO DRILL WELL"
 110-20-0072

OWNER Gratton, Ron + Annette
 WELL SITE ADDRESS 4950 Morning Star Dr TOWN Dayton, MD
 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	
Brn Clay	0	30	
Gray Brn Rock	30	80	
Gray Rock + MICA	80	600	✓

GRROUTING 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 12 NO. OF POUNDS 300
 GALLONS OF WATER _____
 DEPTH OF GROUT SEAL (to nearest foot) 40
 from 0 TOP 52 ft. to 54 BOTTOM 58 ft.
 (enter 0 if from surface)

CASING RECORD
 casing types insert appropriate code below
ST STEEL **CO** CONCRETE
PL PLASTIC **OT** OTHER
 MAIN CASING TYPE **PL** Nominal diameter top (main) casing (nearest inch) 6 Total depth of main casing (nearest foot) 40
 60 61 63 64 66 70

OTHER CASING (if used)

EACH CASING	diameter		depth (feet)	
	inch	inch	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.)
HO 40 600

NUMBER OF UNSUCCESSFUL WELLS: 3
 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. M 2 D 37
 DRILLERS SIGNATURE
 (MUST MATCH SIGNATURE ON APPLICATION)
 LIC. NO. D

C 2

EACH CASING	diameter		depth (feet)	
	inch	inch	from	to
1	40	40	0	40
2				
3				

SLOT SIZE 1 _____ 2 _____ 3 _____
 DIAMETER OF SCREEN (NEAREST INCH)
 from _____ to _____

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

C 3

PUMPING TEST
 HOURS PUMPED (nearest hour) 8
 PUMPING RATE (gal. per min.) 1/2"
 METHOD USED TO MEASURE PUMPING RATE Timed bucket
 WATER LEVEL (distance from land surface)
 BEFORE PUMPING 40
 WHEN PUMPING 570 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 (CIRCLE) (YES or NO) **YES** **NO**
 IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS. S
 TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29. 29
 CAPACITY: GALLONS PER MINUTE (to nearest gallon) 5
 PUMP HORSE POWER 1.5HP
 PUMP COLUMN LENGTH (nearest ft.) 570
 CASING HEIGHT (circle appropriate box and enter casing height)
+ above } LAND SURFACE
- below } (nearest foot)

LATITUDE 39.23417
 LONGITUDE 76.98169
 (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
44047

SEQUENCE NO.
(MDE USE ONLY)

STATE OF MARYLAND
APPLICATION FOR PERMIT TO DRILL WELL
52753 please type

STATE PERMIT NUMBER
Ho-20-0072
fill in this form completely

Date Received (ARA) 02/12/21
OWNER INFORMATION
8 MR DD YY 3
Giraffon Ronald + Annette
15 Last Name Owner First Name 34
4959 Morning Star Dr
36 Dayton MD Street or RFD 55
57 Town 70 State 72 Zip 76

B 3 LOCATION OF WELL
Howard
8 COUNTY 21
23 SUBDIVISION
SECTION 2 LOT 1
Dayton
52 NEAREST TOWN 71

DRILLER INFORMATION
Driller's Name Brett Sweeney M SD 237 License No. 81
Firm Name Allied Well Drilling
Address PO Box 29 Annapolis Junction MD 20701
Signature [Signature] Date 02/12/2021

B 4 SOURCES OF DRILLING WATER
1. Public
5000 Ten Oaks 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: 0028 BLK: PARCEL 0167

B 2 WELL INFORMATION
APPROX. PUMPING RATE (GAL. PER MIN.) 8 1,000¹²
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 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
Howard COUNTY NAME VIII COUNTY NO
STATE SIGNATURE [Signature] INSERT S
DATE ISSUED 02/12/2021 41
CO SIGNATURE [Signature] EXP. DATE 02/12/2022
3/2/21
PEN: Doc: 02/26/2021

APPROXIMATE DEPTH OF WELL 500 FEET
APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST INCH

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
3/2/21
Hole #5
bed rock 30'
(not true bed rock, grey and brown tanger s)
casing 40'
water 50'
drilling to 600'
for 65' 75'
Storage.
Driller is going to put tier in.
Holes #3 and #4 N drilled to 100', no water.
House
A B
20' 22' #5
DW
Proposed Well

METHOD OF DRILLING (circle one)
BORED (or Augered) JETTED Jetted & DRIVEN
AIR-ROTary AIR-Percussion ROTARY (Hydraulic Rotary)
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

Not to be filled in by driller (MDE OR COUNTY USE ONLY)
APPROP. PERMIT NUMBER G
PERMIT No. Ho-20-0072
70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS
NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

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Maura J. Rossman, M.D., Health Officer

MEMORANDUM

March 19th, 2021

Home Owner

RE: **Replacement Well Sampling**
4959 Morning Star Drive
Dayton, MD 21036 **0072**
Well Permit # HO-20-~~0070~~ **0072**

Associated with: 5000 Ten Oaks Road Dayton, MD 21036

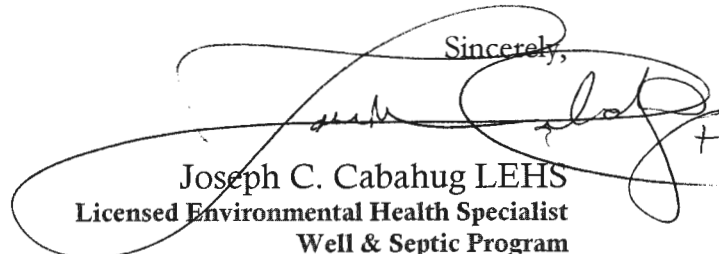
Dear Homeowner:

According to our records, your replacement well has been connected to the dwelling. The final inspection was granted on 03/09/2021. We request that you contact the Community Hygiene Program at **(410) 313-1773** to schedule initial water sampling for the above referenced replacement well, as required by the Maryland Well Construction Regulation (COMAR 26.04.04). This sampling includes testing for bacteria, nitrates, turbidity, and sand.

It is preferred that the sample be collected from the primary indoor drinking tap, but if suitable scheduling is not possible, the sample may be taken from an outside tap to complete your sampling obligation. However, the potential for unsuccessful sample results increases when samples are collected from taps exposed to the outside environment.

If sampling has already been performed by an outside lab, please help us by forwarding the results of the samples to our office. If you have any further questions, you can call me at 410-313-2643. Otherwise, call Community Hygiene at 410-313-1773 to schedule or arrange for them to collect the subsequent water samples.

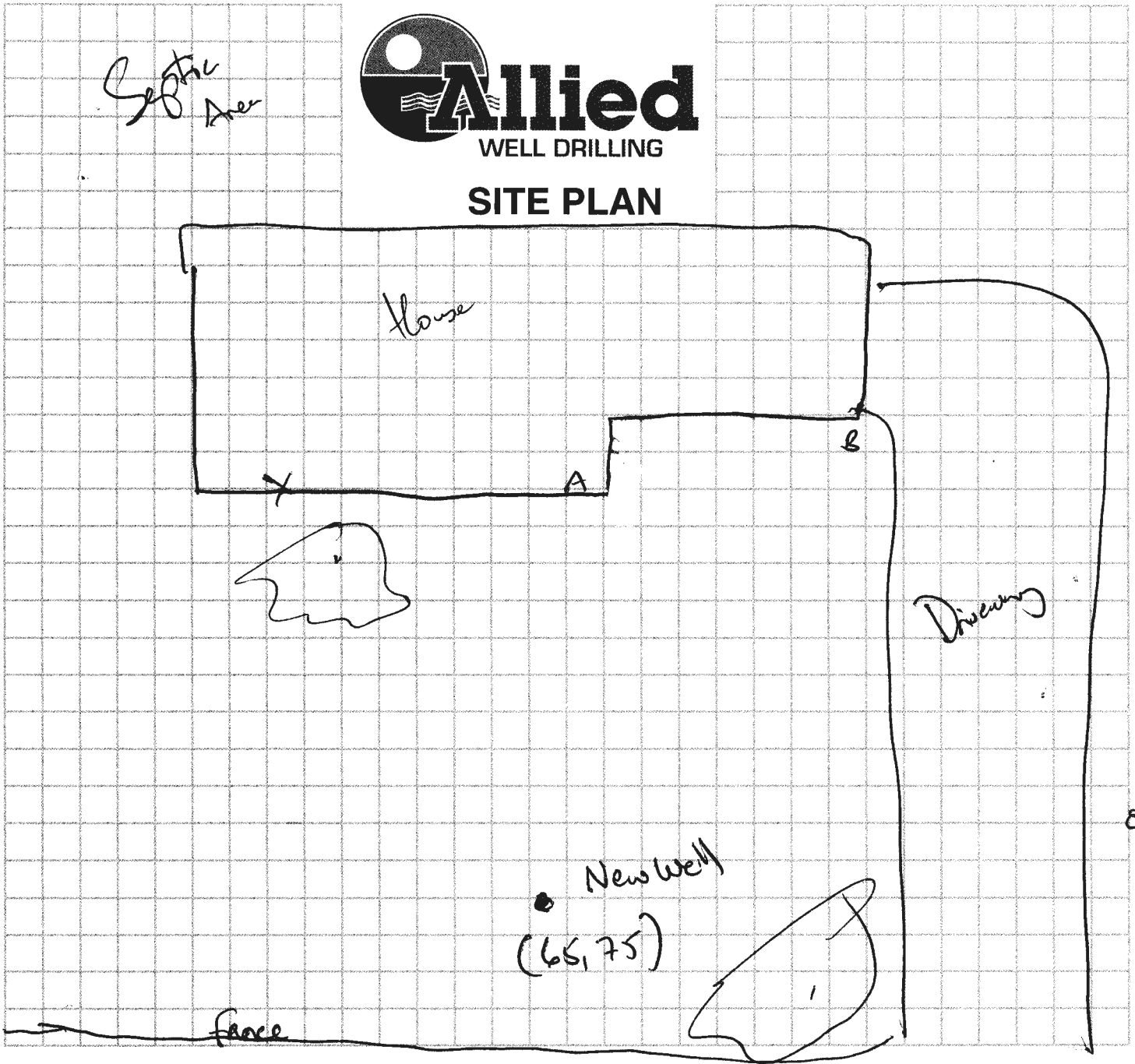
Sincerely,


Joseph C. Cabahug LEHS
Licensed Environmental Health Specialist
Well & Septic Program
Bureau of Environmental Health

Septic Area



SITE PLAN



Sediment Control Protocol: _____

Distance From House: 65
 From Septic: 100'
 From Sewer: N/A
 From Property Line: ~25'
 From Street: ~30'

Trees Nearby: NO OH
 Utility Issues: NO
 Mats Needed: YES
 Access For H/U: _____
 Neighboring Tags: _____

Comments: _____

Person Completing Form: _____

FILE INQUIRY NOTES

4959 Morning Star

page 2 of —

DATE	RESULTS OF REVIEW FOR FILE
cont. 2/24/21	<p>verticle offset from gas line line. Andy from Trans Canada (previously worked as a gas driller) said hydrofracking in Gaither's Chance development might have caused this well to run dry.</p> <p>Owner, Annette, says well was always very low but in the past month has dwindled to nothing.</p> <p>Alerted owner that the septic tank needed to be pumped and the dry well may be close to failing. Possible septic repair area could be along Ten Oaks Rd, going towards front yard. (SP)</p>
2/25/21	<p>After conferring with Jeff Williams, Kevin thinks it best to exhaust triangle area and area close to old well & house before moving downhill. If a well is to be located in lower corner, it should be as upgrade of 4963's septic as possible, even if the lot line setback is waived.</p> <p>Allied continued to drill deeper on Hole #2 in triangle today. (SP)</p>
3/2/21	<p>Allied did not get enough water from Hole #2. Drilled Holes #3 and #4 in the driveway triangle over the weekend, but found no water (160' deep each). Selected Hole #5 location with Joseph # on 3/1/21, to left left of driveway ~20' from house. Hit bedrock at 30' although driller, Peter says</p>

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4959 Morning Star

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DATE	RESULTS OF REVIEW FOR FILE
cont. 3/2/21	It was layers of gray and brown rock Put Put casing to 40' and hit water at 50'. Approx. 3/4 GPM.
	Driller is taking it down to 600' for storage, no additional water found. Driller will also put in liner. (3)

