



# HOWARD COUNTY HEALTH DEPARTMENT

74051

DATE 3/22/23

WS

Received From

Allied Env.

PHONE #

301-776-8370

For

Well Permit / 4483

Hornepsta

CASH

CHECK

NO.

29649

One hundred sixty

Dollars

\$

160.00

Received By

J King

05-353602

B 1 SEQUENCE NO. (MDE USE ONLY) STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL STATE PERMIT NUMBER

514631 H0-20-0264

70 fill in this form completely 79

1 2 3 6

Date Received (APA) 11/13/2021

8 MM DD YY 13

15 Last Name Owner First Name 34

Hirrlinger Carl Joseph Jr

36 Street or RFD 55

4983 Manning St

57 Town 70 State 72 Zip 76

Dayton MD 21034

OWNER INFORMATION

B 3 LOCATION OF WELL

8 COUNTY 21

Howard

23 SUBDIVISION 42

Linden Chapel Hills

SECTION 44 46 LOT 48 50

2 7

52 NEAREST TOWN 71

Dayton

DRILLER INFORMATION

Driller's Name 76 License No. 81

Walter White MWD 598

Firm Name

Colored Well Drilling

Address

PO Box 129 Annapolis Md 21401

Signature Date

Walter White 08/2/23

B 4 SOURCES OF DRILLING WATER

1. Public

11 STREET ADDRESS 30

4983 Manning St Dr

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

NORTH N WEST S EAST

34 480 37

DISTANCE FROM ROAD ENTER OR MI 38 39

TAX MAP 0028 BLK: 8 PARCEL 0167

B 2 WELL INFORMATION

1 2 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

2 Loops

4/17/23 - 260 ft

55' bedrock

120' - 120' fr

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard County 13

COUNTY NAME COUNTY NO.

STATE SIGNATURE INSERT S 41

DATE ISSUED 4/13/2023 2 hr Pen 4/13/2024

43 MM DD YY 48 CO SIGNATURE EXP. DATE

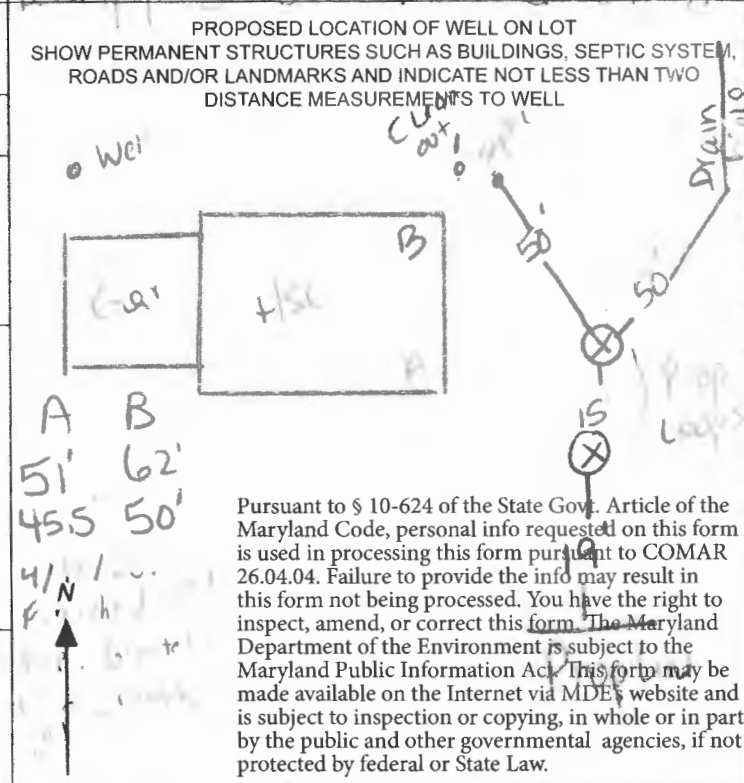
4/17/23 Doc: 4/13/23 @ 04:11 N/A

APPROXIMATE DEPTH OF WELL 24 28 FEET

320

APPROXIMATE DIAMETER OF WELL NEAREST INCH

6



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)

THIS WELL WILL NOT REPLACE AN EXISTING WELL

THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED

39  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 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. H0-20-0264

70 71 72 73 74 75 76 77 78 79

Pursuant to § 10-624 of the State Gov. 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.

C 1 70091

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 13 (Howard)

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED

Depth of Well 22 300

PERMIT NO. FROM "PERMIT TO DRILL WELL"

OWNER, WELL SITE ADDRESS, TOWN, SUBDIVISION, SECTION, LOT

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL (CM), NO. OF BAGS, NO. OF POUNDS, DEPTH OF GROUT SEAL

CASING RECORD: casing types (ST, CO, PL, OT), MAIN CASING TYPE, Nominal diameter, Total depth

OTHER CASING (if used) table with columns: diameter, depth

SCREEN RECORD: screen type (ST, BR, HO, PL, OT), DEPTH (nearest ft.)

NUMBER OF UNSUCCESSFUL WELLS, WELL HYDROFRACTURED (Y)

CIRCLE APPROPRIATE LETTER: A (ABANDONED), E (ELECTRIC LOG), P (TEST WELL CONVERTED)

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04

DRILLERS LIC. NO. 1 M D, DRILLERS SIGNATURE, LIC. NO. 1 D

SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework)

Table with columns: A, C, H, S, R, E, N and rows for well depth measurements

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

PUMPING TEST: HOURS PUMPED, PUMPING RATE, METHOD USED TO MEASURE PUMPING RATE, WATER LEVEL, TYPE OF PUMP USED

PUMP INSTALLED: DRILLER INSTALLED PUMP, TYPE OF PUMP INSTALLED, CAPACITY, PUMP HORSE POWER, PUMP COLUMN LENGTH, CASING HEIGHT

LATITUDE 39.25147, LONGITUDE 76.67571 (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



SITE INSPECTION SHEET

OWNER: \_\_\_\_\_ PHONE #: \_\_\_\_\_

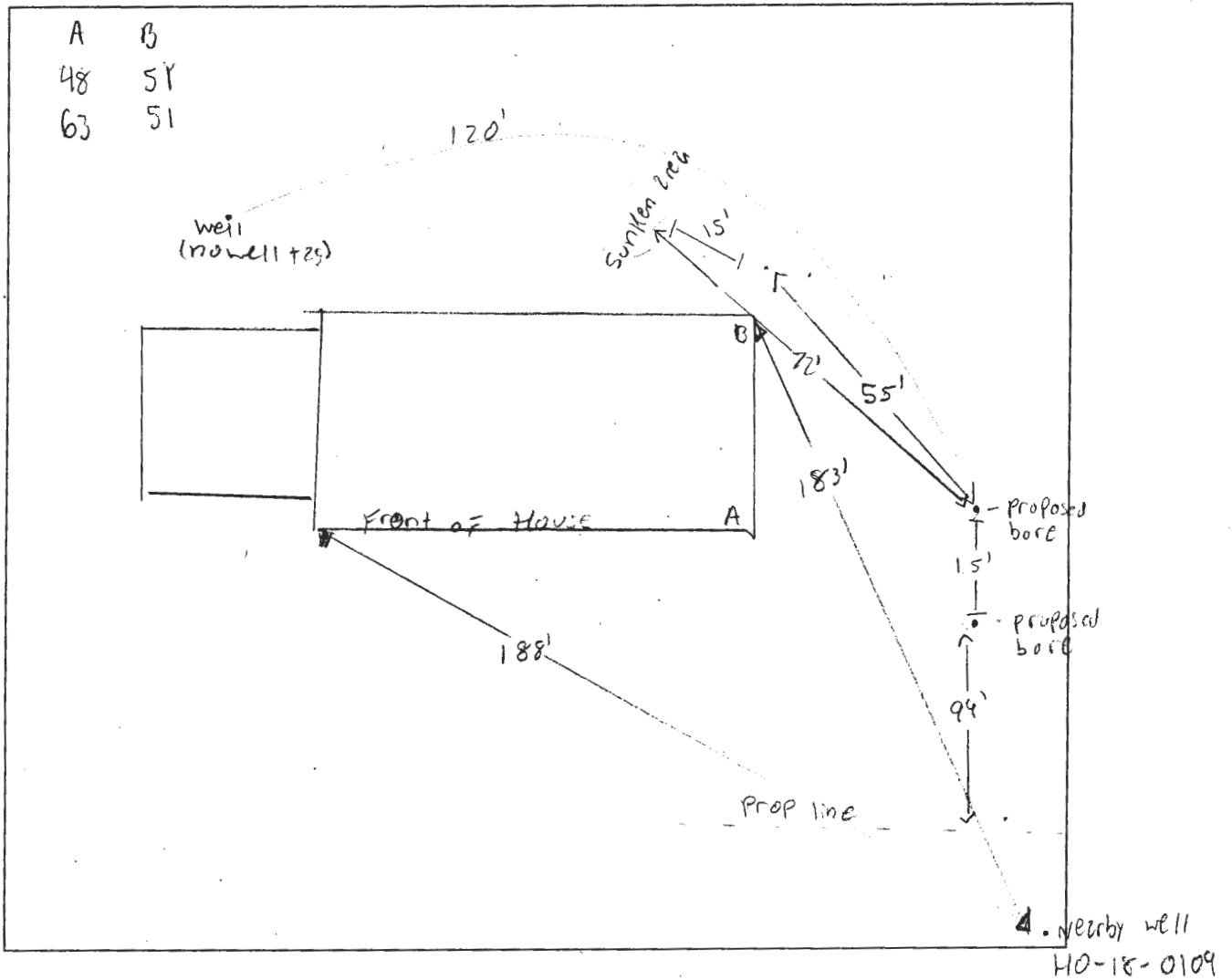
ADDRESS: 4983 Morning Star Dr CONTRACTOR: \_\_\_\_\_

WELL TAG #: N/A

SUBDIVISION: \_\_\_\_\_ LOT: \_\_\_\_\_ COUNTY #: HC

PROPOSAL: \_\_\_\_\_

LOCATION DIAGRAM



COMMENTS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

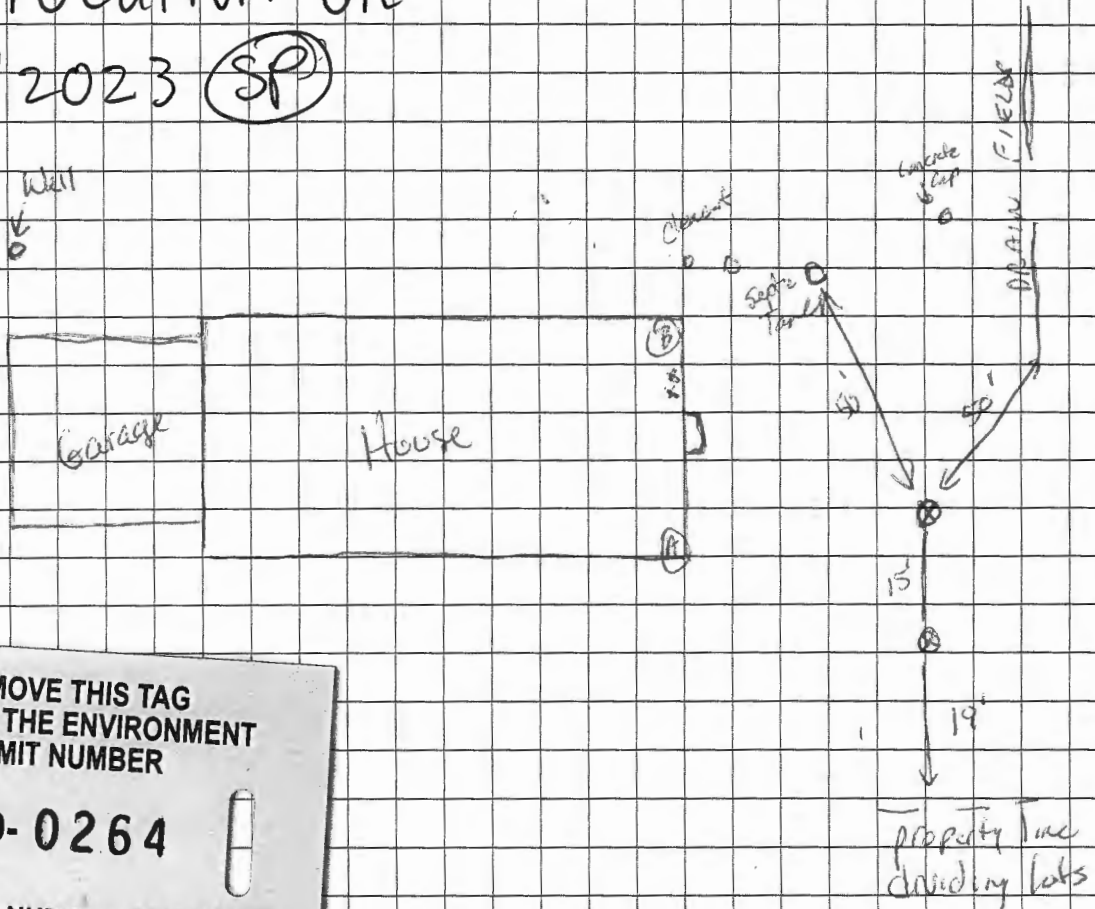
DATE: 4/12/2023 INSPECTOR: Sheesha Page

AB  
5162  
4538'



4985 Morning Star Dr  
Dayton Md  
2 wells @ 320' each  
@ 10' each loop geotextured

Well location OK  
4/13/2023 (SP)



DO NOT REMOVE THIS TAG  
DEPARTMENT OF THE ENVIRONMENT  
WELL PERMIT NUMBER  
**HO-20-0264**  
INFORMATION - GIVE NUMBER AND WRITE  
1800 WASHINGTON BLVD  
BALTIMORE MARYLAND 21230

Sediment Control Protocol: SILT Fence

Distance From House: 45'  
From Septic: 50'  
From Sewer: N/A  
From Property Line: 19'  
From Street: 300' +/-

Trees Nearby: Yes BUT OK  
Utility Issues: Private Hydrant  
Mats Needed: Yes Across Yard  
Access For H/U: Yes  
Neighboring Tags: See Comps

Comments: Mats Across Front Yard From Driveway

Person Completing Form: Wes Wolfe

## **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  $2.5 \text{ E}(-08) \text{ cm/sec}$ . 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.)

SEE PLAN  
HORIZONTAL BORE  
DEPTH 4 FT

FOR CONT.  
SEE PLANS

HORIZONTAL  
P.I.P.I.N.G.

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

BORE DEPTH

TAPE

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

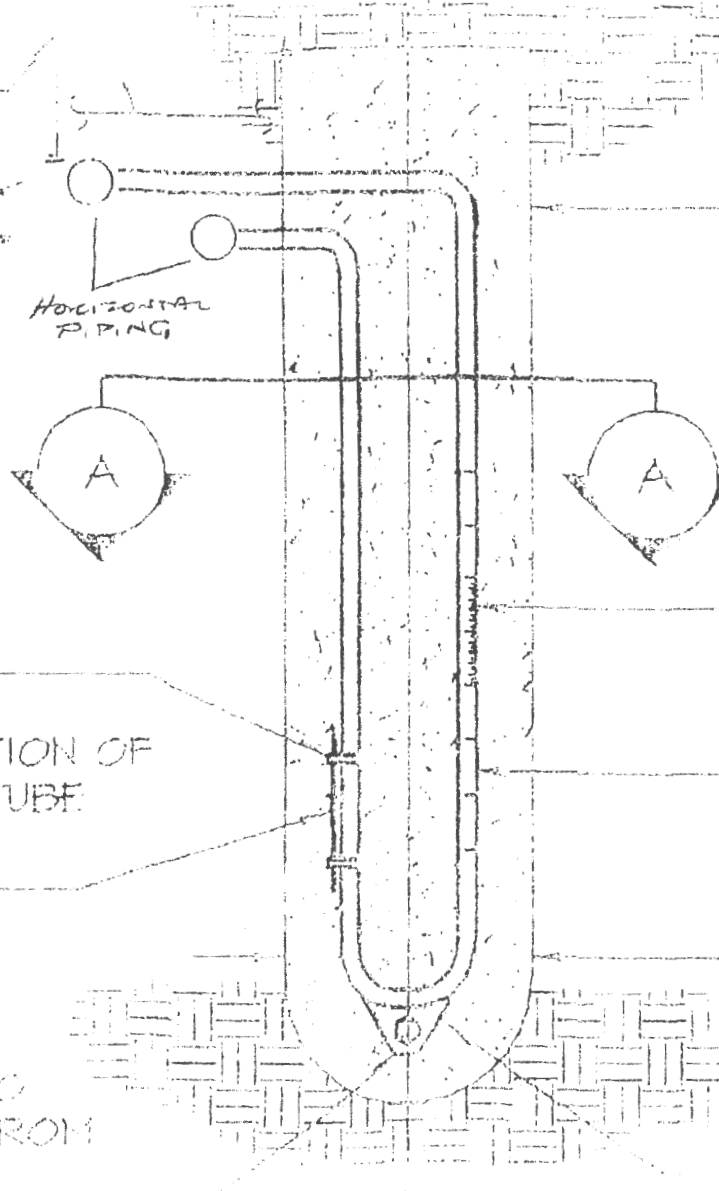
DEPTH MARKINGS IN FEET TO  
INDICATE DEPTH OF INSERTION

TYPICAL VERTICAL U-TUBE  
6.5 INCHES

TYPICAL BORE DIAMETER  
6.0 INCHES

ANCHOR FITTINGS TO  
PREVENT U-TUBE FROM  
SURFACING AFTER  
INSTALLATION

TYPICAL CORE AREA



**RECEIPT**

Howard County, MD  
HOWARD COUNTY HEALTH DEPARTMENT  
ASCEND ONE BUILDING  
Columbia, MD 21045  
8930 STANFORD BLVD

**Application:** WS-WP-23-00696  
**Application Type:** EnvHealth/Well and Septic/Installation/Application  
**Address:**

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<b>Receipt No.</b>	<b>6149</b>					
<b>Payment Method</b>	<b>Ref Number</b>	<b>Amount Paid</b>	<b>Payment Date</b>	<b>Cashier ID</b>	<b>Received</b>	<b>Comments</b>
Check	29649	\$160.00	03/22/2023	JUKING		Receipt # 74051
<b>Work Description:</b>	Well Permit /4983 Morning Star					