

C1 65702

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND #3

WELL COMPLETION REPORT

FILL IN THIS FORM COMPLETELY PLEASE TYPE

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

COUNTY NUMBER

XIII

1 2 3 4 5 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

ST/CO USE ONLY

DATE RECEIVED MM DD 06 23 2021

DATE WELL COMPLETED

06 04 2021

Depth of Well

320' (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL"

HO-20-0101

OWNER Trust Group S

WELL SITE ADDRESS

1039 Davis Branch Rd

TOWN

Woodstock

SUBDIVISION

Lot 21 Myrtle prop

SECTION

LOT 21

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	
Topsoil	0	1	
Brown sandy silt	1	75	
Grey gneiss	75	320	✓
BORE 2			

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box)

Y N

TYPE OF GROUTING MATERIAL (Circle One)

CEMENT CM BENTONITE CLAY BC

NO. OF BAGS 18 NO. OF POUNDS 900

GALLONS OF WATER 342

DEPTH OF GROUT SEAL (to nearest foot)

from 0 ft. to 320 ft. (enter 0 if from surface)

CASING RECORD

ST CO PL OT STEEL CONCRETE PLASTIC OTHER

MAIN CASING TYPE PL Nominal diameter top (main) casing (nearest inch) 6" Total depth of main casing (nearest foot) 80'

OTHER CASING (if used)

diagram showing casing depth from 0 to 21 feet

SCREEN RECORD

ST BR HO PL OT STEEL BRASS BRONZE PLASTIC HOLE OTHER

DEPTH (nearest ft.)

HO 80' 320'

C 3

PUMPING TEST

HOURS PUMPED (nearest hour) N/A

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

METHOD USED TO MEASURE PUMPING RATE

WATER LEVEL (distance from land surface)

BEFORE PUMPING N/A ft.

WHEN PUMPING N/A ft.

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) YES

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. N/A

CAPACITY: GALLONS PER MINUTE (to nearest gallon) N/A

PUMP HORSE POWER N/A

PUMP COLUMN LENGTH (nearest ft.) N/A

CASING HEIGHT (circle appropriate box and enter casing height)

LAND SURFACE -3 (nearest foot)

LATITUDE 39.319598

LONGITUDE 76.866712

(DEFAULT COORD. WGS 84)

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NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED YES Y NO 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. MD 587

DRILLER'S SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. A 40027

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

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

70 72 74 76 78 TELESCOPE CASING LOG INDICATOR OTHER DATA

C1 65704 SEQUENCE NO. (MDE USE ONLY) **STATE OF MARYLAND #2** THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.

WELL COMPLETION REPORT
FILL IN THIS FORM COMPLETELY
PLEASE TYPE

COUNTY NUMBER **WV**

ST/CO USE ONLY DATE RECEIVED **06/23/21** DATE WELL COMPLETED **06th 04th 2021** APPROVED **06/29/2021** Depth of Well **280'** PERMIT NO. FROM "PERMIT TO DRILL WELL" **HO-20-0101**

OWNER **Trust group 5**
WELL SITE ADDRESS **1339 Davis Branch RD** TOWN **WOODS LOCK**
SUBDIVISION **lot 21 Myrtle Prop** SECTION _____ LOT **21**

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	
TOPSOIL	0	1	
Sandy silt	1	55	
Grey gneiss	55	280	

BORE 3

Installed 1.75" x 280' closed loop hdpe U-bend

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

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

NO. OF BAGS **16** NO. OF POUNDS **800**
GALLONS OF WATER **307**

DEPTH OF GROUT SEAL (to nearest foot)
from **0** TOP 45 ft. to **280** BOTTOM 56 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) **60'**

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

SCREEN RECORD
screen type or open hole (insert appropriate code below)

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

C2 DEPTH (nearest ft.)

HO 60 280

E A C H S C R E E N

1 2 3

8 11 15 17 21 23 24 26 30 32 36 38 39 41 45 47 51

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 _____

70 _____ 72 _____ 74 75 76 _____

TELESCOPE CASING _____ LOG INDICATOR _____ OTHER DATA _____

C3 **PUMPING TEST**

HOURS PUMPED (nearest hour) **N/A**

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

METHOD USED TO MEASURE PUMPING RATE _____

WATER LEVEL (distance from land surface)

BEFORE PUMPING **N/A** 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 (CIRCLE) 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 **N/A**

CAPACITY: GALLONS PER MINUTE (to nearest gallon) **N/A**

PUMP HORSE POWER **N/A**

PUMP COLUMN LENGTH (nearest ft.) **N/A**

CASING HEIGHT (circle appropriate box and enter casing height)

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

LATITUDE **39.319664**
LONGITUDE **76.866763**
(DEFAULT COORD. WGS 84)

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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. **MWD587**
DRILLER'S SIGNATURE **Stephen DeFosch**
(MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. **AWD023**

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

1 2 3 4 5 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS) **WELL COMPLETION REPORT** FILL IN THIS FORM COMPLETELY PLEASE TYPE COUNTY NUMBER **XIII**

ST/CO USE ONLY DATE RECEIVED **06/23/21** DATE WELL COMPLETED **06/04/2021** APPROVED *[Signature]* Depth of Well **280'** PERMIT NO. FROM "PERMIT TO DRILL WELL" **HO-20-0101**

OWNER **Trust Group 21** WELL SITE ADDRESS **1539 Davis Branch RD** TOWN **Woodstock** SUBDIVISION **Lot 21 Myrtle Prop** SECTION **21** LOT **21**

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	
TOP soil	0	1	
Sandy silt	1	55	
Grey gneiss	55	280	✓

BORE 4

Installed 1.25" x 280' closed loop hdpe - U-bend

GROUTING RECORD
WELL HAS BEEN GROUTED (Circle Appropriate Box) **Y** **N**
TYPE OF GROUTING MATERIAL (Circle one) CEMENT **CM** BENTONITE CLAY **BC**
NO. OF BAGS **16** NO. OF POUNDS **800**
GALLONS OF WATER **304**
DEPTH OF GROUT SEAL (to nearest foot) from **0** ft. to **280** ft. (enter 0 if from surface)

CASING RECORD
casing types insert appropriate code below **PL** **ST** **CO** **OT**
STEEL CONCRETE ELASTIC OTHER
MAIN CASING TYPE **PL** Nominal diameter top (main) casing (nearest inch) **6"** Total depth of main casing (nearest foot) **60'**

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

SCREEN RECORD
screen type or open hole (insert appropriate code below) **ST** **BR** **HO** **PL** **OT**
STEEL BRASS BRONZE PLASTIC HOLE HOLE OTHER

C 2 DEPTH (nearest ft.) **HO** **60** **280'**

EACH SCREEN 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

70 72 74 75 76 TELESCOPE CASING LOG INDICATOR OTHER DATA

C 3 **PUMPING TEST**
HOURS PUMPED (nearest hour) **N/A**
PUMPING RATE (gal. per min.) **N/A**
METHOD USED TO MEASURE PUMPING RATE
WATER LEVEL (distance from land surface) BEFORE PUMPING **N/A** 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 (CIRCLE) (YES or NO) 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** **N/A**
CAPACITY: GALLONS PER MINUTE (to nearest gallon) **N/A**
PUMP HORSE POWER **N/A**
PUMP COLUMN LENGTH (nearest ft.) **N/A**
CASING HEIGHT (circle appropriate box and enter casing height) **+** above **-** below **3** (nearest foot)

LATITUDE **39.319730**
LONGITUDE **76.866744**
(DEFAULT COORD. WGS 84)

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WELL HYDROFRACTURED **Y** **N**

CIRCLE APPROPRIATE LETTER
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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. **MWD 587**
[Signature]
DRILLER'S SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)
LIC. NO. **AWD 093**
[Signature]

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



Bureau of Environmental Health

8930 Stanford Boulevard, Columbia, MD 21045

Main: 410-313-2640 | Fax: 410-313-2648

TDD 410-313-2323 | Toll Free 1-866-313-6300

www.hchealth.org

Facebook: www.facebook.com/hocohealth

Twitter: HowardCoHealthDep

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

TO ALL INTERESTED PARTIES

When submitting a well permit application for a proposed well for new construction, please indicate one of the following:

Well Site Location:

1031 Myrtue Property Incl RSB 21 Davis Branch
Subdivision/Property Name Lot # Road Name

The well site has been staked by _____
(professional land surveyor or company employing professional land surveyors)
on _____ (date) and does not require a site inspection.










The well driller, builder or property owner will call the Health Department to schedule a time to meet in the field to verify the proposed well site location.

*geothermal wells staked out on 4-18-2021 by
Connelly & Associates Well drilling.*

This sheet, along with two copies of an acceptable well site plan, must be attached to the green well permit application.



DO NOT REMOVE THIS TAG
DEPARTMENT OF THE ENVIRONMENT
WELL PERMIT NUMBER
 HO-20-0101
INFORMATION - GIVE NUMBER AND WRITE
1800 WASHINGTON BLVD
BALTIMORE MARYLAND 21230

-  EXISTING PRIVATE SEWAGE DISPOSAL AREA
-  EXISTING WELL BOX
-  PROPOSED TREELINE
-  EXISTING TREELINE
-  SOILS MAP SYMBOL
-  SOILS DELINEATION LINE
-  PERC TEST PASSED
-  PERC TEST FAILED
-  EXISTING SLOPES 25% OR GREATER

Approved Septic System Plan
 Howard County Health Department.
R. Bialer 3/5/2021
 Signature Date
 as described

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 28376, Expiration Date: 01-01-2023,



Feb 10 2021 2:37 PM DocuSign

600 boxes relocated
 outside well box as shown
 Approved 05/20/2021
 Staked by DRILOR
 HO-20-0101

NC. **BENCHMARK**
ENGINEERS & LAND SURVEYORS & PLANNERS
ENGINEERING, INC.
 8480 BALTIMORE NATIONAL PIKE & SUITE 315
 ELLICOTT CITY, MARYLAND 21043
 (P) 410-465-6105 ▲ (F) 410-485-6644
 WWW.BEI-CVILENGINEERING.COM

PROJECT: MYRTUE PROPERTY	
LOT 21	
LOCATION: TAX MAP: 10, GRID: 24, PARCEL: 225, ZONED: RC-DEO 1939 DAVIS BRANCH RD. WOODSTOCK, MD 21163 6TH ELECTION DISTRICT, HOWARD COUNTY, MD, TAX ID 352404	
TITLE: REVISED ONSITE SEWAGE DISPOSAL PLAN	
HOUSE TYPE: CUSTOM - KEYSTONE HOMES	
DATE: JANUARY, 2021	PROJECT NO. 2099
SCALE: AS SHOWN	DRAWING <u>2</u> OF <u>3</u>



HOWARD COUNTY HEALTH DEPARTMENT

68893

V

DATE
5/10/21

US

Received From Connelly and Assoc PHONE # 410-696-8820

CASH
 CHECK

For Wellkennet/1939 Davis Bay Rd

NO. 10000 Dollars One hundred sixty Dollars

\$ 160.00

Received By

AKemp