

C1 61877

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

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-18-0078

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

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED

Depth of Well 300 (TO NEAREST FOOT)

OWNER: Elm Street Development, WELL SITE ADDRESS: Green Bridge Road, TOWN: DARTON, SUBDIVISION: SIMPSON PROPERTY, SECTION: , LOT: 31

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries for Soil, Brown shale, Med Gray Rock, Soft Gray Rock, Med Gray Rock.

GROUTING RECORD form: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL (CM), CEMENT (CM), BENTONITE CLAY (BC), NO. OF BAGS (24), NO. OF POUNDS (1800), GALLONS OF WATER (120), DEPTH OF GROUT SEAL (65).

CASING RECORD form: MAIN CASING TYPE (ST), Nominal diameter (6), Total depth (65), OTHER CASING (PL, 4 1/2 inch, 60, 140).

SCREEN RECORD form: screen type or open hole (ST), BRASS (BR), OPEN HOLE (HO), PLASTIC (PL), OTHER (OT).

DEPTH (nearest ft.) table with handwritten entries: 110, 65, 300.

NUMBER OF UNSUCCESSFUL WELLS: 0, WELL HYDROFRACTURED: YES (Y)

CIRCLE APPROPRIATE LETTER: A (well abandoned), E (electric log), P (test well converted).

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...

DRILLERS LIC. NO. M D 355, DRILLERS SIGNATURE (WRO 113), LIC. NO. D 113

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

SLOT SIZE 1, 2, DIAMETER OF SCREEN (NEAREST INCH) 56, 60, 68

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, TELESCOPE CASING, LOG INDICATOR, OTHER DATA

PUMPING TEST form: HOURS PUMPED (3), PUMPING RATE (5.0), WATER LEVEL (27), TYPE OF PUMP USED (S - submersible)

PUMP INSTALLED form: DRILLER INSTALLED PUMP (NO), TYPE OF PUMP INSTALLED PLACE (29), CAPACITY: GALLONS PER MINUTE (31), PUMP HORSE POWER (37), PUMP COLUMN LENGTH (43), CASING HEIGHT (1)

LATITUDE 39.23323, LONGITUDE 77.00182 (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.

TAX 7/1/2019

B 1 SEQUENCE NO. (MDE USE ONLY) **63172** STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL STATE PERMIT NUMBER **Ho-18-0078**

DATE RECEIVED (APA) **03/17/19** please type **3047932** fill in this form completely

OWNER INFORMATION

Date Received (APA) **03/17/19**

8 MM DD YY 13

Elm Street Development

15 Last Name Owner First Name 34

1355 Beverly Road

36 Street or RFD 55

McLean VA 22101

57 Town 70 State 72 Zip 76

B 3 LOCATION OF WELL

Howard

8 COUNTY 21

Superior Property

23 SUBDIVISION 42

SECTION **31** LOT **31**

44 46 48 50

Dayton

52 NEAREST TOWN 71

DRILLER INFORMATION

Michael Barlow M WD 355

Driller's Name 76 License No. 81

Barlow Well Drilling

Firm Name

522 Underwood Lane 21014

Address

[Signature] **3-12-19**

Signature Date

B 4 SOURCES OF DRILLING WATER

1. **Well**

2.

3.

Green Bridge Road

11 STREET ADDRESS 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

3150

34 37

DISTANCE FROM ROAD **FT**

ENTER FT OR MI 38 39

TAX MAP: **24** BLK: **18** PARCEL

B 2 WELL INFORMATION

APPROX. PUMPING RATE **5**

(GAL. PER MIN.) 8 12

AVERAGE DAILY QUANTITY NEEDED **750**

(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

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

HOWARD

COUNTY NAME COUNTY NO.

STATE SIGNATURE INSERT S → 41

DATE ISSUED **05/17/19** EXP. DATE **05/17/2022**

43 MM DD YY 48 CO SIGNATURE

DOG: DMI Date: 9/10/19

APPROXIMATE DEPTH OF WELL **300** FEET

24 28

APPROXIMATE DIAMETER OF WELL **6** INCH

NEAREST INCH

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 DEEPEINED 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 DEEPEIN AN EXISTING WELL

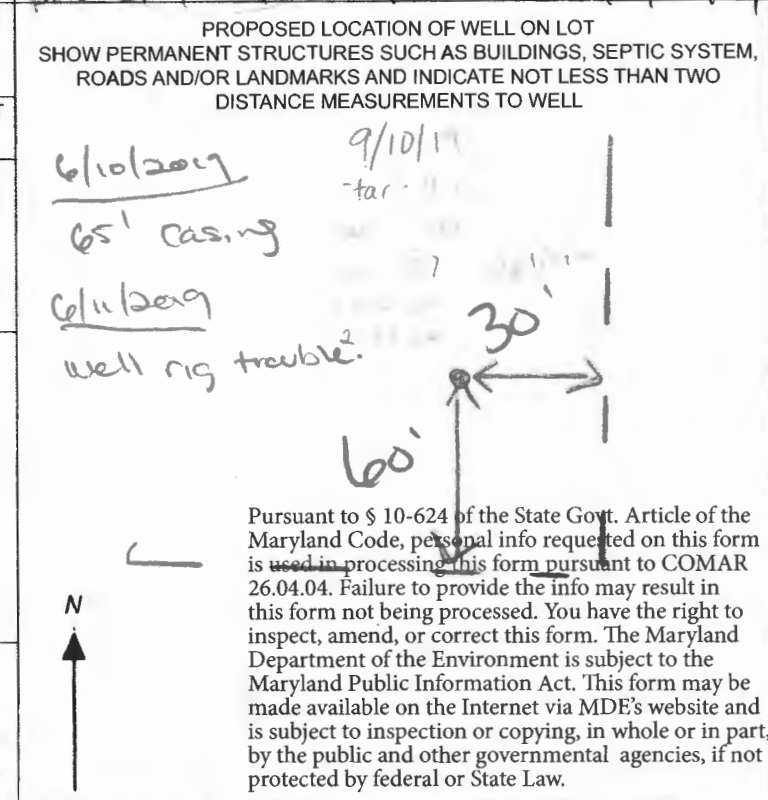
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE) 41 52

Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROP. PERMIT NUMBER **HO2017G001**

PERMIT No. **Ho-18-0078**

70 71 72 73 74 75 76 77 78 79



SPECIAL CONDITIONS

NOTE: APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

SEE ATT MEMO 5/17/2019 UPDATED



Bureau of Environmental Health
 8930 Stanford Blvd | Columbia, MD 21045
 410.313.2640 - Voice/Relay
 410.313.2648 - Fax
 1.866.313.6300 - Toll Free

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

Information Form for the Installation of the Well Pump, Pitless Adapter, and Supply Piping

NOTE: The installer is responsible for requesting an inspection prior to 9 am on the day of the desired inspection. No work is to be covered until approved by the Health Department. All installations must comply with the National Standard Plumbing Code (NSPC, as amended locally) and COMAR 26.04.04 (MD Well Construction Regulations). Submission of a complete form is required prior to Use and Occupancy approval.

Company Name: Fogle's Well Pump + Water Treatment, LLC Telephone #: 410-795-1535
 Address: P.O. Box 63
 Woodbine, Maryland 21797

Must circle one: Licensed Plumber / Licensed Well Driller / Licensed Well Pump Installer
 License # and name of individual responsible for the field installation:
 Name (Print): Dave C. Fogle License# MSD226

*A licensed individual must perform the actual installation. Apprentices must be under the supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be subjected to field verification. Unlicensed individuals may be reported to the appropriate licensing agency.

Name of Property Owner: Toll Brothers Telephone #:
 Subdivision: Willow Creek Lot #: 31 Well Tag #: HO-18-0078 ✓
 Site Address: 7020 Colf Place
Dayton, MD 21036

Submersible Pump Data

Make: Grundfos
 Model #: 1550207-F80
 Pump Capacity: 15
 Well Yield: 5

Pitless Adapter

Make: Campbell
 Model#: N/A
 GPM Depth: 36" (36" min)
 GPM NSF/WSC approved: yes

Well Cap and Electric Conduit

Two piece watertight cap: yes
 Screened, vented well cap: yes
 Cap secured to casing: yes
 Conduit min 18" B.G.: yes
 Conduit secured to well cap: yes

Depth of well encountered at time of pump installation: 300 (feet)

If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4

Must circle one: Torque arrestors / Cable guards / Other acceptable method used

Safety rope, if used, attached to brass rope adapter or other acceptable method inside of well casing N/A

Piping to house

Type: 1" poly pipe
 PSI: 200 psi (160 psi min)
 Depth of supply line: 36" (36" min)

House Connection

PVC sleeve to undisturbed soil at wall penetration: yes
 Length of sleeve (5' minimum from foundation): 6'
 Sleeve sealed properly: yes

The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Signature of company representative responsible for installation: [Signature] Date: 2/6/2023

For Health Department Use Only - Not to be completed by Installer

Date Insp. Requested: 2/6/23 Date Insp. Approved: 2/7/23 Inspector: SP
 Inspection Data:
 Pitless adapter watertight & water supply line at least 36" below grade ✓
 Two piece cap installed and attached to casing securely ✓
 Elec. conduit extends at least 18" below grade/attached to cap properly ✓
 Safety rope not outside of well cap/casing ✓
 Correct well tag attached properly and casing 8" above finished grade ✓
 Water supply line sleeved adequately at house connection ✓
 Adequate grout observed below pitless adapter ✓

INTERIM CERTIFICATE OF POTABILITY

Expiration Date – November 8, 2023

May 8, 2023

Homeowner
7020 Colt Place
Dayton, MD 21036

**RE: Willowshire, Lot 31
7020 Colt Place
Building Permit: B22003626
Well Permit: HO-18-0078**

Dear Homeowner:

This is to advise you that the septic system installation and water well construction for the above referenced property have been inspected and approved. Final approval of the septic system was granted on **5/2/2023**. Final approval of the well line connection to the dwelling was granted on **2/7/2023**. The well construction was completed on **9/10/2019**. Water samples were collected on **4/25/2023**.

The water sample results indicate that the water samples submitted for testing were free of coliform and fecal coliform bacteria at the time of sampling and are bacteriologically safe for drinking. This certifies that the initial sampling requirements of COMAR 26.04.04 "Well Regulations" have been met for the water supply system installed under well permit HO-18-0078. Although the submitted sample results are in compliance with COMAR standards, the Health Department does not guarantee water supplies.

This Interim Certificate of Potability will expire **six months** from the date of issuance. Submission of a second bacteriological test indicating the water is free of coliform and fecal coliform bacteria is required prior to the expiration date, after which time a Final Certificate of Potability will be issued. **Failure to submit an additional sample and obtain a Final Certificate of Potability will result in a Notice of Violation and is punishable as a misdemeanor under the *Annotated Code of Maryland, Environment Article, 9-1311*, subject to a fine of up to \$500 or imprisonment not to exceed three months.**

Please contact (410) 313-1773 to schedule a final water sample appointment or contact a Maryland certified water laboratory to schedule a water sample. A list of laboratories certified by the state of Maryland may be found at the following website:
<http://www.mde.state.md.us/assets/document/WSP-Labs-2010apr16.pdf>



Bureau of Environmental Health
8930 Stanford Blvd | Columbia, MD 21045
410.313.2640 - Voice/Relay
410.313.2648 - Fax
1.866.313.6300 - Toll Free

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

In closing, please refer to our "[Homeowner Fact Sheet](#)" which illustrates a better understanding for your Onsite Sewage Disposal System. You will also find a link to Maryland Department of the Environment's website which describes in further detail operation and maintenance of your septic system.

Approving Authority,

A handwritten signature in black ink, appearing to read 'Kevin M. Wolf', is written over a light blue horizontal line.

Kevin M. Wolf, LEHS, R.S./REHS, Supervisor
Groundwater Management Section
Well & Septic Program

cc: Howard County Dept. of Inspections, Licenses, and Permits
Community Hygiene Program
File

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

MEMORANDUM

TO: Michael Barlow Well Drilling
Attn: Michael Barlow MWD 355
522 Underwood Lane
Bel Air, MD 21014

FROM: Joseph Cabahug *(Signature) 05/17/2019*
Licensed Environmental Health Specialist **001997**
Howard County Health Department
Well & Septic Program

RE: Simpson and Denault Well Permit Special Conditions

DATE: 05/17/2019

This memorandum serves to inform the driller serving The Simpson and Denault Subdivision for construction of a new potable wells for residential use of the special conditions associated with the release of the well permits.

In accordance with current approved Percolation Certification (signed 03/27/2019), the following conditions apply:

Note 15(d) Wells installed on **Lots 2 – 8, 12 – 14, 23, 26 – 34, 38, and 39** must be installed as steel casing to depth of at least 50' below the soil surface or 10 feet into competent bedrock, whichever is deeper.

In accordance with the Water Appropriation and Use Permit (**HO2017G001(01)**), the following conditions apply:

Page 3, Section 15: The Permittee shall conduct simultaneous yield tests of wells closer than 100 feet apart, if at least one of the wells is on a lot less than one acre in size. The yield testing shall be conducted to ensure that the minimum yield requirements of COMAR 26.04.04.26 are met. In the event that a well that has been tested simultaneously with other wells does not meet minimum yield standards, the Permittee may relocate a well to achieve the 100-foot separation distance, deepen or otherwise modify the well to improve its yield or drill a second well to be used in tandem to meet the minimum yield standards during simultaneous testing. All wells shall comply with the well construction requirements.

Lots 26, 28, 38 – 44

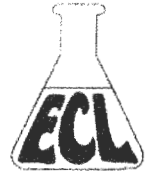
Maura J. Rossman, M.D., Health Officer

Lots that are less than one acre are shown below.

MINIMUM LOT SIZE CHART			
LOT No.	GROSS AREA (SF)	PIPE STEM	NET AREA
1	54,825		54825
2	59,641		59641
3	55,018		55018
4	41,925		41925
5	40,840		40840
6	55,788		55788
7	55,833		55833
8	45,774		45774
9	42,992		42992
10	44,020		44020
11	42,068		42068
12	40,362		40362
13	41,330		41330
14	56,648	6700	49948
15	40,459		40459
16	49,871		49871
17	40,003		40003
18	40,443		40443
19	40,461		40461
20	40,461		40461
21	40,218		40218
22	54,686		54686
23	55,798		55798
24	44,052	1375	42677
25	41,612	2906	38706
26	48,488	5322	43166
27	46,396		46396
28	40,768		40768
29	44,270		44270
30	44,589		44589
31	46,366		46366
32	49,299		49299
33	47,918		47918
34	52,931		52931
35	54,827	2518	52309
36	44,800	3617	41183
37	55,035	4441	50595
38	33,223	2913	30310
39	31,227		31227
40	35,865		35865
41	40,100		40100
42	34,182		34182
43	41,390		41390
44	41,360		41360
45	45,097		45097
TOTAL AREA	2,043,259	AC.	46.91
			S.F.

Please reach out to the Howard County Health Department – Bureau of the Environment with further questions.

ENVIRO-CHEM LABORATORIES, INC.



47 Loveton Circle, Suite K • Sparks, Maryland 21152

410-472-1112

FINAL REPORT OF ANALYSIS

Michael Barlow Well Drilling
522 Underwood Lane
Bel Air, MD 21014

Report Date: 09/18/2019
Report Number: 190918110210

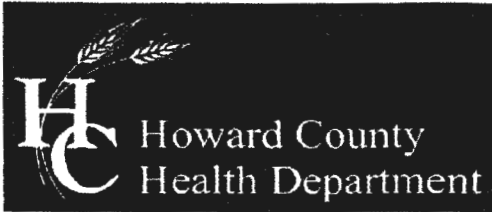
LAB#- E060375-01 SAMPLE ID- Simpson Property Lot 31 WELL # HO 18-0078
LOCATION- Well Head SAMPLER- 8862MI
DATE SAMPLED- 09/10/2019 TIME SAMPLED- 14:30 Residual Chlorine-
DATE RECEIVED- 09/11/2019 TIME RECEIVED- 16:30
DELIVERED BY- Steve Duklewski RECEIVED BY- Ginny Shelley
COMMENTS-

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT	DATA FLAG
Total Metals by EPA 200.7 by Enviro-Chem					
Sodium	EPA 200.7	09/12/19 12:46	MAP	8.76	mg/L
Wet Chemistry by Enviro-Chem					
Chloride	EPA 300.0	09/12/19 16:07	BMG	15.0	mg/L
Dissolved Solids	SM 2540C	09/12/19 15:06	FRD	113	mg/L

Stephen Shelley
Laboratory Director

Certifications

State of Maryland Laboratory #192



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:

Lot #'s 1, 2, 3, 4, 7, 8, 9, 10, 11, 14, PARCEL C, 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

SIMPSON/DENAULT
Subdivision/Property Name

Lot #

GREEN BRIDGE RD.
Road Name

X The well site has been staked by SHANABERGER & LANE
(professional land surveyor or company employing professional land surveyors)
on 1/9/19 (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.

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

Revised 4/22/14



103

100

101

98

99

10,000 SF

S.D.A.

10,000 SF

S.D.A.

INFORMATION NUMBER AND WRITE
 106 107 108 109 110
 106 107 108 109 110
 INFORMATION NUMBER AND WRITE
 106 107 108 109 110
 INFORMATION NUMBER AND WRITE
 106 107 108 109 110

LOT 32
49,299 SF

LOT 31
47,078 SF

LOT 30
46,679 SF

245

246

244

243

PROP. PUBLIC ROAD

WELL SITE DRAWING
 SIMPSON & DENAULT PROPERTIES
 LOT 31

TAX MAP 27 GRID 18
 PARCELS 34, 36, 98, 111, & 112
 5TH ELECTION DIST.
 HOWARD COUNTY, MD.
 SCALE: 1"=50' DATE: 2/21/19

Approved 5/17/2019
 State by SHAN/LANE

SHANABERGER & LANE
 8726 TOWN AND COUNTRY BLVD., SUITE 201
 ELLICOTT CITY, MD. 21043
 (410)461-9563 FAX: (410)461-9693

Ho-18-0078