

C1 64129

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

COUNTY NUMBER

ST/CO USE ONLY
DATE Received MM DD YY
07 13 20

DATE WELL COMPLETED MM DD YY
03 13 2020

Depth of Well
22 600 26
(TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL"
HO-18-0172

OWNER OCR Develop Mgmt
WELL SITE ADDRESS OLD Columbia Rd
SUBDIVISION Evergreen Farm SECTION _____ TOWN FULTON
LOT 2

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	
Soil	0	5	
Brown Shale	5	45	
Light Brown Shale	45	67	
Med GRAI Rock	67	90	
Soft GRAI Rock	90	110	
Med GRAI Rock	110	600	L
		346	L
		565	L

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 8 NO. OF POUNDS 408
GALLONS OF WATER 200
DEPTH OF GROUT SEAL (to nearest foot)
from 0 TOP ft. to 70 BOTTOM ft.
(enter 0 if from surface)

CASING RECORD

MAIN CASING TYPE PL Nominal diameter top (main) casing (nearest inch)! 6 Total depth of main casing (nearest foot) 70
OTHER CASING (if used) diameter inch 4 1/2 depth (feet) from 60 to 120

SCREEN RECORD

screen type or open hole ST BR HO
STEEL BRASS BRONZE OPEN HOLE
 PL OT
PLASTIC OTHER

C 2

DEPTH (nearest ft.)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	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	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
										HO 70										600																																																																															

C 3

PUMPING TEST

HOURS PUMPED (nearest hour) 6
PUMPING RATE (gal. per min.) 1.50
METHOD USED TO MEASURE PUMPING RATE Water Bucket
WATER LEVEL (distance from land surface)
BEFORE PUMPING 46 ft.
WHEN PUMPING 248 ft.
TYPE OF PUMP USED (for test)
 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. 29
CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35
PUMP HORSE POWER 37 41
PUMP COLUMN LENGTH (nearest ft.) 43 47
CASING HEIGHT (circle appropriate box and enter casing height) + above LAND SURFACE 1 (nearest) foot

LATITUDE 39.14449
LONGITUDE 76.90985
(DEFAULT COORD. WGS 84)

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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 D 355

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. D 113

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 TELESCOPE CASING LOG INDICATOR 74 75 76 OTHER DATA

B 1
65785

SEQUENCE NO.
(MDE USE ONLY)

STATE OF MARYLAND
APPLICATION FOR PERMIT TO DRILL WELL

STATE PERMIT NUMBER

HO-18-0172
fill in this form completely

560438-A please type

Date Received (APA)

11/06/19
8 MM DD YY 13

OWNER INFORMATION

15 Last Name: Ock Development
Owner First Name: [blank]
36 Street or RFD: 2102 E. MADISON Street
57 Town: Baltimore MD 70 State 72 Zip: 21205 76

B 3

LOCATION OF WELL

8 COUNTY: Howard 21
23 SUBDIVISION: Evergreen Farm 42
SECTION: [blank] 44 46 LOT: 2 48 50
52 NEAREST TOWN: FULTON 71

DRILLER INFORMATION

Driller's Name: Michael Barlow MW D355
Firm Name: Barlow well drilling
Address: 522 UNDERWOOD Lane 21014
Signature: [Signature] 11/6/19 Date

B 4

SOURCES OF DRILLING WATER

1. Well
2. 2/19/20
3. Recharge
Quick Grant
104 # 1023201
8/2/20 - 4th hole being started - 70' casing

11 STREET ADDRESS: OLD Columbia Road 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



34 DISTANCE FROM ROAD: 1000 37
ENTER FT OR MI: FT 38 39

TAX MAP: 46 BLK: 3 PARCEL: 337

B 2

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.): 5
8 12

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY): 750
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

COUNTY NAME: Howard AS58086-A COUNTY NO.: 13
STATE SIGNATURE: [Signature] INSERT S
DATE ISSUED: 2/5/20 CO SIGNATURE: [Signature] EXP. DATE: 2/5/21
43 MM DD YY 48

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 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)

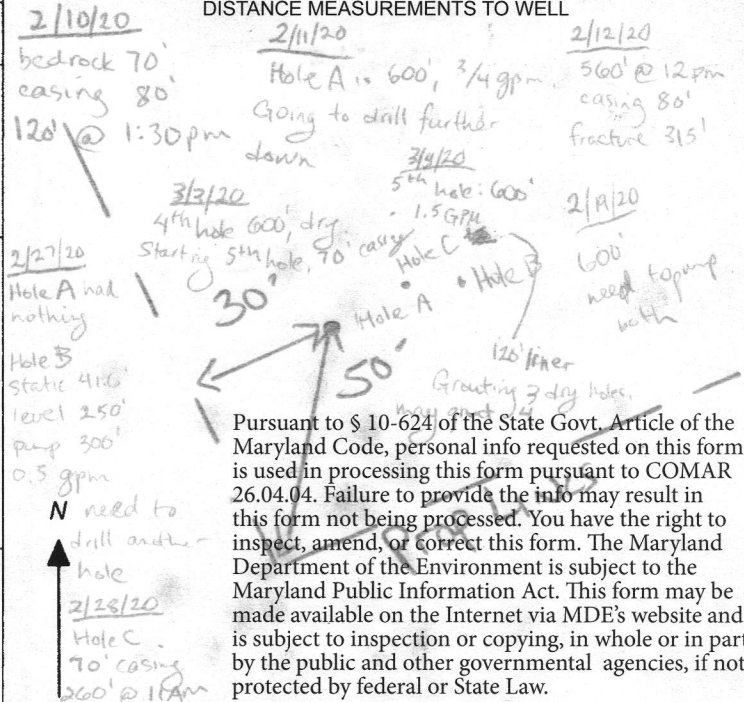
APPROX. PERMIT NUMBER: G

PERMIT No. HO-18-0172
70 71 72 73 74 75 76 77 78 79

DOB: 2/10/20 (S) DOG: 2/19/20 (S) DOY: 2/27/20 (S)

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



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SPECIAL CONDITIONS

NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

SEE ATTACHED MEMO

C1 64130

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

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED

Depth of Well 560' 600'

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-20-0134

OWNER OCR Development, WELL SITE ADDRESS OLD Columbia Rd, TOWN FULTON, SUBDIVISION Evergreen Farm, SECTION, LOT 2

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

GROUTING RECORD form with fields for WELL HAS BEEN GROUTED, TYPE OF GROUTING MATERIAL, CEMENT, BENTONITE CLAY, NO. OF BAGS, NO. OF POUNDS, GALLONS OF WATER, DEPTH OF GROUT SEAL.

CASING RECORD form with fields for casing types (ST, CO, PL, OT), MAIN CASING TYPE, Nominal diameter, Total depth.

OTHER CASING (if used) form with fields for diameter, depth.

SCREEN RECORD form with fields for screen type or open hole, diameter, depth.

PUMPING TEST form with fields for HOURS PUMPED, PUMPING RATE, METHOD USED TO MEASURE PUMPING RATE, WATER LEVEL, TYPE OF PUMP USED.

PUMP INSTALLED form with fields for DRILLER INSTALLED PUMP, TYPE OF PUMP INSTALLED, CAPACITY, PUMP HORSE POWER, PUMP COLUMN LENGTH, CASING HEIGHT.

NUMBER OF UNSUCCESSFUL WELLS: 2, WELL HYDROFRACTURED: YES

CIRCLE APPROPRIATE LETTER: A, E, P

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. 1 M-D 355, DRILLERS SIGNATURE, LIC. NO. 1 D 113

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

DEPTH (nearest ft.) table with columns 1-21, values 80, 600

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

LATITUDE 39.14437, LONGITUDE 76.91004 (DEFAULT COORD. WGS 84)

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B 1 68369

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type 207901

STATE PERMIT NUMBER

70 10 - 20 - 0134 79 fill in this form completely

OWNER INFORMATION Date Received (APA) 07/15/20 8 MM DD YY 13 Ock Development 15 Last Name Owner First Name 34 2102 E. MADISON Street 36 Street or RFD 55 BALTO MD 21205 57 Town 70 State 72 Zip 76

LOCATION OF WELL B 3 HOWARD 8 COUNTY 21 EverGreen Farm 23 SUBDIVISION 42 SECTION 44 46 LOT 2 48 50 52 NEAREST TOWN FULTON 71

DRILLER INFORMATION Michael Barlow M B D 355 76 Driller's Name License No. 81 Barlow Well Drilling Firm Name 522 Underwood Lane 21014 Address 7/10/2020 Signature Date

SOURCES OF DRILLING WATER 1. Well 2. 10/1/21 (tagless) 3. Static 46' pump 50' level 45' 1.25 GPM

OLD Columbia Rd 11 STREET ADDRESS 30 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH N WEST W SOUTH S EAST E 34 1000 37 DISTANCE FROM ROAD ENTER FT OR MI 38 39 TAX MAP: 46 BLK: 3 PARCEL 337

WELL INFORMATION B 2 APPROX. PUMPING RATE (GAL. PER MIN.) 8 500 12 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 13 COUNTY NAME COUNTY NO. STATE SIGNATURE INSERT S DATE ISSUED 10/06/21 43 MM DD YY 48 CO SIGNATURE SUMMER THOMAS 10/06/21 41 EXP. DATE

APPROXIMATE DEPTH OF WELL 600 24 28 FEET

APPROXIMATE DIAMETER OF WELL 6 NEAREST INCH

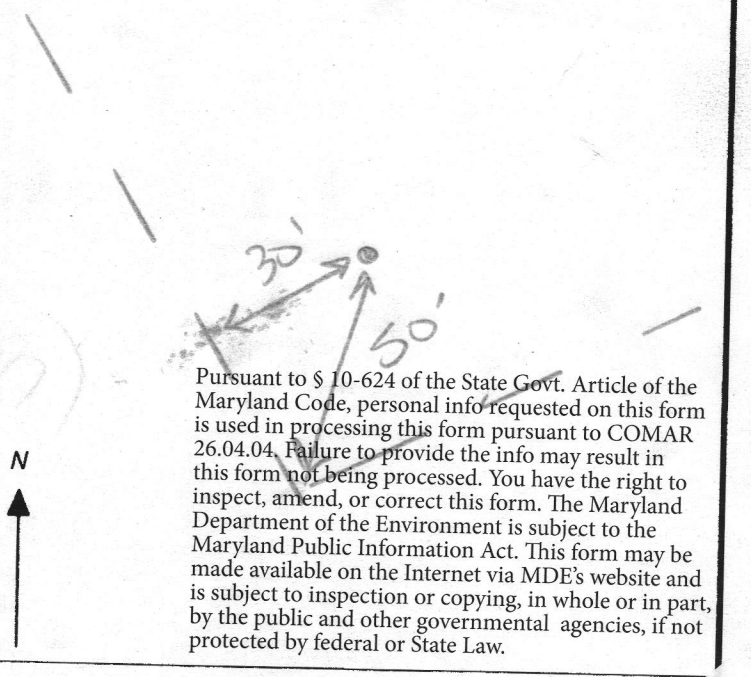
METHOD OF DRILLING (circle one) BORED (or Augered) JETTED Jetted & DRIVEN AIR-ROTary AIR-PERcussion ROTARY (Hydraulic Rotary) CABLE REVerse-ROTary DRive-POINT other

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 DEEPEAN 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. 10 - 20 - 0134 70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED-

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



 WATER WELL ABANDONMENT-SEALING REPORT FORM

SUBMIT COPIES OF COMPLETED FORM TO:

- * COUNTY ENVIRONMENTAL AGENCY (contact MDE, WMA if address needed)
- * WELL OWNER
- * MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

DATE WELL ABANDONED: March 4 2020 (month/day/year)

* PERMIT NUMBER OF ABANDONED WELL (if any) _____

* PERMIT NUMBER OF REPLACEMENT WELL: _____

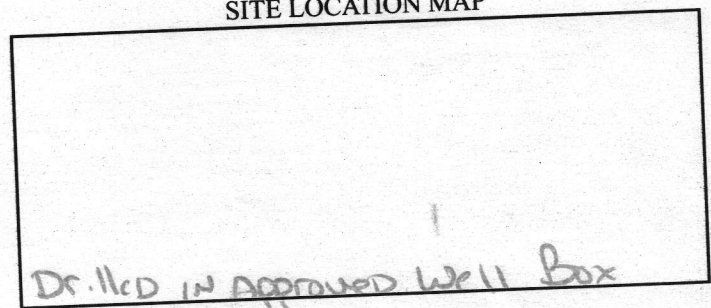
* PERSON ABANDONING WELL: Michael Barclay WELL DRILLER'S LICENSE NUMBER: 355
 CIRCLE: MWD / MSD / MGD

* OWNER'S NAME: CCR Development

* WELL LOCATION:
 COUNTY: Howard
 NEAREST TOWN: Fulton
 TAX MAP 416 BLOCK 2 PARCEL 337
 SUBDIVISION: Evergreen Farm
 SECTION: _____ LOT: 2
 STREET ADDRESS: Old Columbia Rd

Ho - 18 - 0172

SITE LOCATION MAP



LATITUDE 3 9.14445 - - -

LONGITUDE 7 6.90989 - - -

Dry Hole # 2

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
<u>Drill cutting</u>	<u>600</u>	<u>40</u>
<u>Benbute</u>	<u>40</u>	<u>0</u>
VOLUME OF MATERIAL USED		

* TYPE OF WELL BEING ABANDONED:
 DRILLED JETTED
 BORED HAND DUG
 OTHER (specify) _____

* USE CODE:
 DOMESTIC MUNICIPAL/PUBLIC
 IRRIGATION INDUSTRIAL
 TEST/OBSERVATION GEOTHERMAL

* TYPE OF CASING:
 STEEL PLASTIC
 CONCRETE OTHER (specify) _____

SIZE OF CASING: 6 INCHES IN DIAMETER

DEPTH OF WELL: 600 FEET DEEP

WAS ANY CASING REMOVED? YES NO
 If yes, length removed, in feet: _____

WAS CASING RIPPED OR PERFORATED? YES NO

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN [Signature] LICENSE# 355
 COUNTY _____

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MWD / MSD / MGS 7/10/2020
 CIRCLE ONE DATE

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: Williamsburg Homes Telephone #:

Subdivision: Fulton Hills

Lot #: 2

Well Tag #: HO-20-0134

600' 1.25 gpm ✓
HO 18-0172 600' 1.5 gpm ✓

Site Address: 2224 White Pine Ct
Fulton, MD 20759

Submersible Pump Data

Make: Goulds
Model #: 54S10422
Pump Capacity: 5
Well Yield: 1.5 + 1.25

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: 600 (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

X2 wells w/ A/B switch inside house & backflow preventers @ both pitless adapters

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]

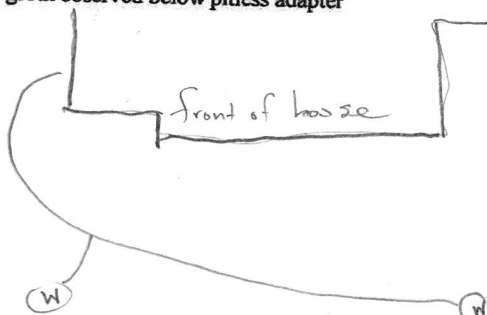
Date: 9/23/2025

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

Date Insp. Requested: 9/23/25 Date Insp. Approved: 9/23/25 Inspector: RR

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 ✓

(Revised form 10/24/2018)





MICHAEL BARLOW WELL DRILLING & SERVICE, INC.

522 Underwood Lane
(410) 838-6910

Bel Air, Maryland 21014
Fax (410) 838-3582

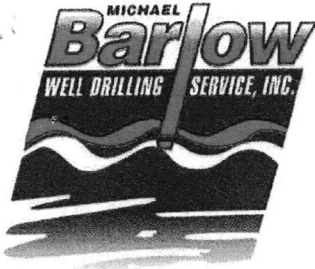
WELL YIELD REPORT

Date Test Completed: March 13, 2020

Well Depth: 600 feet

Customer	<u>OCR Development</u>	Permit #	<u>HO-18-0172</u>
Road	<u>Old Columbia Rd</u>	Subdivision	<u>Evergreen Farm</u>
City	<u>Fulton</u>	Section	<u></u>
State	<u>MD</u>	Lot #	<u>2</u>

Time	Water Level feet Pump set at 300'	Time to Fill 1-gallon bucket seconds	G.P.M.
8:45 AM	46	4	15.00
9:00 AM	176	4	15.00
X 9:15 AM	252	40	1.50
9:30 AM	252	40	1.50
9:45 AM	252	40	1.50
10:00 AM	250	40	1.50
10:15 AM	250	40	1.50
10:30 AM	250	40	1.50
10:45 AM	250	40	1.50
11:00 AM	250	40	1.50
11:15 AM	249	40	1.50
11:30 AM	249	40	1.50
11:45 AM	249	40	1.50
12:00 PM	249	40	1.50
12:15 PM	249	40	1.50
12:30 PM	249	40	1.50
12:45 PM	249	40	1.50
1:00 PM	249	40	1.50
1:15 PM	249	40	1.50
1:30 PM	249	40	1.50
1:45 PM	249	40	1.50
2:00 PM	248	40	1.50
2:15 PM	248	40	1.50
2:30 PM	248	40	1.50
2:45 PM	248	40	1.50
3:00 PM	248	40	1.50
X 3:15 PM	248	40	1.50
This yield test report is for informational purposes only. Please note the yield may increase or decrease over time and the GPM indicated above is not a guarantee.			



MICHAEL BARLOW WELL DRILLING & SERVICE, INC.

522 Underwood Lane
 (410) 838-6910

Bel Air, Maryland 21014
 Fax (410) 838-3582

WELL YIELD REPORT

Date Test Completed:	February 27, 2020		
Well Depth:	600	feet	
Customer	OCR Development	Permit #	
Road	Old Columbia Rd	Subdivision	Evergreen Farm
City	Fulton	Section	
State	MD	Lot #	2

Time	Water Level feet Pump set at 300'	Time to Fill 1-gallon bucket seconds	G.P.M.
9:30 AM	50	4	15.00
9:45 AM	186	5	12.00
10:00 AM	245	60	1.00
10:15 AM	248	60	1.00
10:30 AM	250	80	0.75
10:45 AM	250	80	0.75
11:00 AM	250	80	0.75
11:15 AM	250	80	0.75
11:30 AM	250	80	0.75
This yield test report is for informational purposes only. Please note the yield may increase or decrease over time and the GPM indicated above is not a guarantee.			

Date: October 1, 2021

FOGLE'S WELL DRILLING, LLC
P.O. BOX 202
WOODBINE, MARYLAND 21797
443-609-4195

HO-20-0134

Well Permit No. N/A Well Depth: 560' (When drilled well is recorded as being 600' deep)
Location of Property: Old Columbia Rd Fulton, Md Subdivision: Evergreen Farm Lot#: 2
Well Driller/Tech: Fogles Andrew Houseman MSD224 Owner/Buyer: Susan Hartman

Distance of measuring point (M.P.) above ground: 2'Static water level (S.W.L.) below M.P.: 46'

High rate pumping ~ reservoir drawdown

Time pump started: 7:50 Pumping rate: 10Total time 145 Mins to reach pumping water level 457 ft. below M.P.

Recovery pump test data – observations to be recorded every 15 minutes

TIME (in 15 minute intervals)	WATER LEVEL Below M.P.	PUMPING RATE Time to fill 1 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
7:50	46'	6 Seconds		10 gpm
8:00	85'	7 Seconds		8.5 gpm
8:15	146'	7 Seconds		8.5 gpm
8:30	194'	8 Seconds		7.5 gpm
8:45	253'	9 Seconds		6.6 gpm
9:00	288'	9 Seconds		6.6 gpm
9:15	330'	10 Seconds		6 gpm
9:30	370'	11 Seconds		5.5 gpm
9:45	410'	13 Seconds		4.6 gpm
10:00	437'	14 Seconds		4.2 gpm
10:15	457'	48 Seconds		1.25 gpm
10:30	457'	48 Seconds		1.25 gpm
10:45	457'	48 Seconds		1.25 gpm
11:00	457'	48 Seconds		1.25 gpm
11:15	457'	48 Seconds		1.25 gpm
11:30	457'	48 Seconds		1.25 gpm
11:45	457'	48 Seconds		1.25 gpm
12:00	457'	48 Seconds		1.25 gpm
12:15	457'	48 Seconds		1.25 gpm
12:30	456'	48 Seconds		1.25 gpm
12:45	456'	48 Seconds		1.25 gpm
1:00	456'	48 Seconds		1.25 gpm
1:15	456'	48 Seconds		1.25 gpm
1:30	456'	48 Seconds		1.25 gpm
1:45	456'	48 Seconds		1.25 gpm
2:00	456'	48 Seconds		1.25 gpm
2:15	455'	48 Seconds		1.25 gpm
2:30	455'	48 Seconds		1.25 gpm
2:45	455'	48 Seconds		1.25 gpm
3:00	455'	48 Seconds		1.25 gpm
3:15	455'	48 Seconds		1.25 gpm

TIME (in 15 minute intervals)	WATER LEVEL Below M.P.	PUMPING RATE Time to fill 1 gallon bucket	FLOW METER READING (if needed)	CALCULATED FLOW (gallons per minute)
3:30	455'	48 Seconds		1.25 gpm
3:45	455'	48 Seconds		1.25 gpm
4:00	455'	48 Seconds		1.25 gpm
4:15	454'	48 Seconds		1.25 gpm

TIME (in 15 minute intervals)	WATER LEVEL Below M.P.	PUMPING RATE Time to fill 1 gallon bucket	FLOW METER READING (if needed)	CALCULATED FLOW (gallons per minute)
3:30	457'	1 Min 58 Seconds		.5 gpm
3:45	457'	1 Min 58 Seconds		.5 gpm
4:00	457'	1 Min 58 Seconds		.5 gpm
4:15	457'	1 Min 58 Seconds		.5 gpm

Date: October 1, 2021

FOGLE'S WELL DRILLING, LLC
P.O. BOX 202
WOODBINE, MARYLAND 21797
443-609-4195

Well Permit No. HO-18-0172 Well Depth: 600'Location of Property: Old Columbia Rd Fulton, Md Subdivision: Evergreen Farm Lot#: 2Well Driller/Tech: Fogles Andrew Houseman MSD224 Owner/Buyer: Susan HartmanDistance of measuring point (M.P.) above ground: 2'Static water level (S.W.L.) below M.P.: 40'

High rate pumping ~ reservoir drawdown

Time pump started: 7:50 Pumping rate: 15Total time 145 Mins to reach pumping water level 457 ft. below M.P.**Recovery pump test data – observations to be recorded every 15 minutes**

TIME (in 15 minute intervals)	WATER LEVEL Below M.P.	PUMPING RATE Time to fill 1 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
7:50	40'	4 Seconds		15 gpm
8:00	96'	6 Seconds		15gpm
8:15	206'	6 Seconds		10 gpm
8:30	278'	7 Seconds		8.5 gpm
8:45	344'	10 Seconds		6 gpm
9:00	390'	13 Seconds		4.6 gpm
9:15	420'	20 Seconds		3 gpm
9:30	435'	25 Seconds		2.4 gpm
9:45	446'	35 Seconds		1.7 gpm
10:00	455'	1 Min 16 Seconds		.7 gpm
10:15	457'	1 Min 58 Seconds		.5 gpm
10:30	457'	1 Min 58 Seconds		.5 gpm
10:45	457'	1 Min 58 Seconds		.5 gpm
11:00	457'	1 Min 58 Seconds		.5 gpm
11:15	457'	1 Min 58 Seconds		.5 gpm
11:30	457'	1 Min 58 Seconds		.5 gpm
11:45	457'	1 Min 58 Seconds		.5 gpm
12:00	457'	1 Min 58 Seconds		.5 gpm
12:15	457'	1 Min 58 Seconds		.5 gpm
12:30	457'	1 Min 58 Seconds		.5 gpm
12:45	457'	1 Min 58 Seconds		.5 gpm
1:00	457'	1 Min 58 Seconds		.5 gpm
1:15	457'	1 Min 58 Seconds		.5 gpm
1:30	457'	1 Min 58 Seconds		.5 gpm
1:45	457'	1 Min 58 Seconds		.5 gpm
2:00	457'	1 Min 58 Seconds		.5 gpm
2:15	457'	1 Min 58 Seconds		.5 gpm
2:30	457'	1 Min 58 Seconds		.5 gpm
2:45	457'	1 Min 58 Seconds		.5 gpm
3:00	457'	1 Min 58 Seconds		.5 gpm
3:15	457'	1 Min 58 Seconds		.5 gpm

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

INTERIM CERTIFICATE OF POTABILITY
Expiration Date – August 3, 2026

February 3, 2026

Homeowner
8224 White Pine Court
Fulton, MD 20759

RE: Fulton Hill, Lot 2
8224 White Pine Ct.
Building Permit: B25001353
Well Permit: HO-18-0172 & HO-20-0134

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 **1/6/2026**. Final approval of the well line connection to the dwelling was granted on **9/23/2025**. The well construction was completed on **3/13/2025**. Water samples were collected on **1/8/2026, 1/30/2026**.

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-18-0172, HO-20-0134. Although the submitted sample results are in compliance with COMAR standards, the Health Department does not guarantee water supplies.

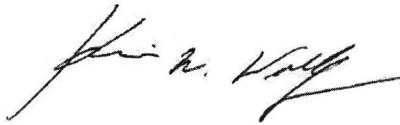
This Interim Certificate of Potability will expire **six months** from the date of issuance. Submission of a second bacteriological test indicating the water is free of coliform and fecal coliform bacteria is required prior to the expiration date, after which time a Final Certificate of Potability will 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>

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 Environments website which describes in further detail operation and maintenance of your septic system.

Approving Authority,



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

FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

1413 Old Taneytown Rd. Westminster, MD (410) 848-1014 (410) 876-4554

REPORT OF ANALYSIS

Laboratory ID #: 179021 Account #: 1933
Reference: Fulton Hills Lot 2 Client: Fogle's Well Pump & Treatment
Location: 8224 White Pine Court Requested By: Dave Fogle
Laurel, MD 20723 Source: Well Water
Date/ Time Collected: 1/30/2026 1045 Site: Basement Sink
Date/Time Rec'd: 1/30/2026 1230 Treatment: None
Chlorine ppm: Free: ND Total: ND pH: 7.6
Collected By: J. Evans 0309JE Well #: HO-18-0172 ✓

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	1/31/2026 / 0900 / KDR
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	1/31/2026 / 0900 / KDR
Nitrate.	<0.40	mg/L (as N)	10	EPA 300.0	1/30/2026 / 1502 / KDR
Turbidity	0.33	NTU	<10	SM2130B	1/30/2026 / 1620 / KDR
Sand	ND	mg/L	5	Visual/Gravimetric	1/30/2026 / 1625 / KDR

NOTES:

- 1 mg/L = milligrams per liter (also, parts per million)
- 2 MPN/ 100 ml = Most Probable Number [of viable bacteria] per 100 ml of sample.
- 3 NTU = Nephelometric Turbidity Units
- 4 pH and Chlorine level tested in lab (pH tested after recommended holding time); Chlorine level tested on site
- 5 Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- 6 ND:None Detected
- 7 Visual well check: Sealed, vented cap
- 8 Sample collected by client, analyzed as received

Reason for Test : Use & Occupancy
Building Permit # : B25001353

Date Reported: 2/2/2026

FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

1413 Old Taneytown Rd. Westminster, MD (410) 848-1014 (410) 876-4554

REPORT OF ANALYSIS

Laboratory ID #: 179022	Account #: 1933
Reference: Fulton Hills Lot 2	Client: Fogle's Well Pump & Treatment
Location: 8224 White Pine Court Laurel, MD 20723	Requested By: Dave Fogle
Date/ Time Collected: 1/30/2026 1100	Source: Well Water
Date/Time Rec'd: 1/30/2026 1230	Site: Basement Sink
Chlorine ppm: Free: ND Total: ND	Treatment: None
Collected By: J. Evans 0309JE	pH: 6.9
	Well #: HO-20-0134 ✓

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	1/31/2026 / 0900 / KDR
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	1/31/2026 / 0900 / KDR
Nitrate.	2.99	mg/L (as N)	10	EPA 300.0	1/30/2026 / 1530 / KDR
Turbidity	1.08	NTU	<10	SM2130B	1/30/2026 / 1620 / KDR
Sand	ND	mg/L	5	Visual/Gravimetric	1/30/2026 / 1625 / KDR

NOTES:

- 1 mg/L = milligrams per liter (also, parts per million)
- 2 MPN/ 100 ml = Most Probable Number [of viable bacteria] per 100 ml of sample.
- 3 NTU = Nephelometric Turbidity Units
- 4 pH and Chlorine level tested in lab (pH tested after recommended holding time); Chlorine level tested on site
- 5 Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- 6 ND:None Detected
- 7 Visual well check: Sealed, vented cap
- 8 Sample collected by client, analyzed as received

Reason for Test : Use & Occupancy
 Building Permit # : B25001353

Date Reported: 2/2/2026

FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

1413 Old Taneytown Rd. Westminster, MD (410) 848-1014 (410) 876-4554

REPORT OF ANALYSIS

Laboratory ID #: 178557 Account #: 1933
Reference: Fulton Hills Lot 2 Client: Fogle's Well Pump & Treatment
Location: 8224 White Pine Court Requested By: Dave Fogle
Laurel, MD 20723 Source: Well Water
Date/ Time Collected: 1/8/2026 0930 Site: Pressure Tank
Date/Time Rec'd: 1/8/2026 1428 Treatment: None
Chlorine ppm: Free: ND Total: ND pH: 6.9
Collected By: J. Evans 0309JE Well #: HO-20-0134

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	8.4	MPN/ 100 ml	<1.0	SM20 9223B	1/9/2026 / 0930 / KDR
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	1/9/2026 / 0930 / KDR
Nitrate.	2.22	mg/L (as N)	10	EPA 300.0	1/8/2026 / 1459 / KDR
Turbidity	7.60	NTU	<10	SM2130B	1/8/2026 / 1615 / CRS
Sand	ND	mg/L	5	Visual/Gravimetric	1/9/2026 / 1005 / KDR

NOTES:

- 1 mg/L = milligrams per liter (also, parts per million)
- 2 MPN/ 100 ml = Most Probable Number [of viable bacteria] per 100 ml of sample.
- 3 NTU = Nephelometric Turbidity Units
- 4 pH and Chlorine level tested in lab (pH tested after recommended holding time); Chlorine level tested on site
- 5 Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- 6 ND:None Detected
- 7 Visual well check: Sealed, vented cap
- 8 Sample collected by client, analyzed as received

Reason for Test : Use & Occupancy

Building Permit # : 25001353

Date Reported: 1/9/2026

WATER WELL ABANDONMENT-SEALING REPORT FORM

SUBMIT COPIES OF COMPLETED FORM TO:

- * COUNTY ENVIRONMENTAL AGENCY (contact MDE, WMA if address needed)
- * WELL OWNER
- * MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

DATE WELL ABANDONED: March 4 2020 (month/day/year)

* PERMIT NUMBER OF ABANDONED WELL (if any) Ho - 18 - 0172

* PERMIT NUMBER OF REPLACEMENT WELL: _____

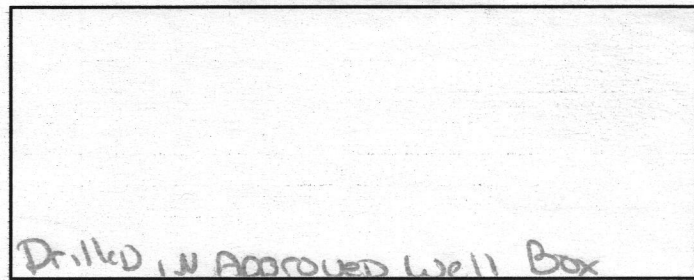
* PERSON ABANDONING WELL: Michael Birklow WELL DRILLER'S LICENSE NUMBER: 355

CIRCLE: MWD / MSD / MGD

* OWNER'S NAME: OCR Development

SITE LOCATION MAP

* WELL LOCATION:
COUNTY: Howard
NEAREST TOWN: Fulton
TAX MAP 46 BLOCK 3 PARCEL 337
SUBDIVISION: Evergreen Farm
SECTION: _____ LOT: 2
STREET ADDRESS: Old Columbia Rd



LATITUDE 3 9.14444 -

LONGITUDE 7 6.90978 -

DRY Hole # 1

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
<u>Drill Cuttings</u>	<u>600</u>	<u>40</u>
<u>Bentonite</u>	<u>40</u>	<u>0</u>
<u>CLAY</u>		
VOLUME OF MATERIAL USED		

* TYPE OF WELL BEING ABANDONED:
 DRILLED JETTED
 BORED HAND DUG
 OTHER (specify) _____

* USE CODE:
 DOMESTIC MUNICIPAL/PUBLIC
 IRRIGATION INDUSTRIAL
 TEST/OBSERVATION GEOTHERMAL

* TYPE OF CASING:
 STEEL PLASTIC
 CONCRETE OTHER (specify) _____

SIZE OF CASING: 6 INCHES IN DIAMETER

DEPTH OF WELL: 600 FEET DEEP

WAS ANY CASING REMOVED? YES NO
If yes, length removed, in feet: _____

WAS CASING RIPPED OR PERFORATED? YES NO

[Signature] 355
SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN LICENSE#

MWD / MSD / MGS
CIRCLE ONE

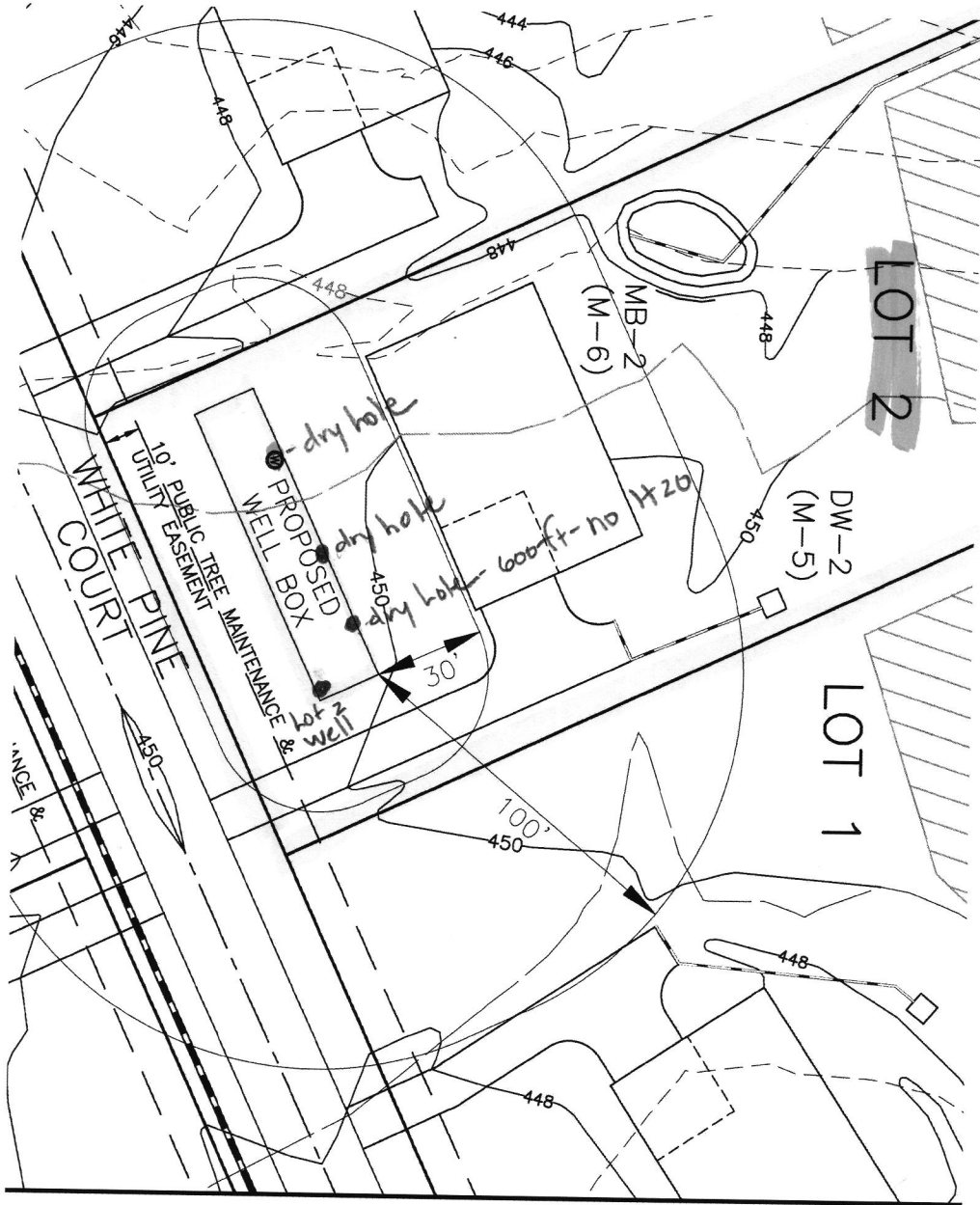
7/10/2020
DATE

COUNTY

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.

HO-18-0172


1" = 50'



Well site & box ok
w/ 2/5/20

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

MEMORANDUM

TO: Michael Barlow Well Drilling (Michael Barlow MWD 355)
FROM: Ryan Rappaport, L.E.H.S. 
Well and Septic Program
DATE: February 5, 2020
RE: **SPECIAL CONDITIONS: Evergreen Farm Lots 1, 2, 7 and 8**

There are special conditions for the well permits associated with Evergreen Farm. See specific requirements below for lots 1, 2, 7 and 8.

LOT 1

- The well on Lot 1 will require TDS, sodium and chloride water samples during the yield test.
- The well on Lot 1 must be drilled on the back edge of the well box (furthest away from the proposed road for the subdivision)

LOT 2

- The well on Lot 2 must be drilled on the back edge of the well box (furthest away from the proposed road for the subdivision)

LOT 7

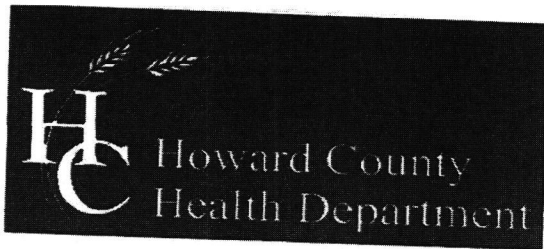
- The well on Lot 7 must be drilled on the back edge of the well box (furthest away from the proposed road for the subdivision)

LOT 8

- The well on Lot 8 will require TDS, sodium and chloride water samples during the yield test.
- The well on Lot 8 must be drilled on the back edge of the well box (furthest away from the proposed road for the subdivision)

All drilling, grouting and yields must be called into the Health Department for inspection. For scheduling please call 410-313-1771.

Cc: File



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:

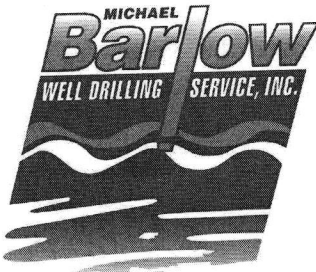
Well Site Location:

<u>Evergreen Farm</u>	<u>LOTS 1, 2, 7 + 8</u>	<u>OLD Columbia ROAD FULTON, MD</u>
Subdivision/Property Name	Lot #	Road Name

The well site has been staked by Benchmark Engineering
(professional land surveyor or company employing professional land surveyors)
on 1/30/20 (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.



MICHAEL BARLOW WELL DRILLING & SERVICE, INC.
 522 Underwood Lane Bel Air, Maryland 21014
 (410) 838-6910 Fax (410) 838-3582

WELL YIELD REPORT

Date Test Completed:	February 27, 2020		
Well Depth:	600	feet	
Customer	OCR Development	Permit #	
Road	Old Columbia Rd	Subdivision	Evergreen Farm
City	Fulton	Section	
State	MD	Lot #	2

Time	Water Level feet Pump set at 300'	Time to Fill 1-gallon bucket seconds	G.P.M.
9:30 AM	50	4	15.00
9:45 AM	186	5	12.00
10:00 AM	245	60	1.00
10:15 AM	248	60	1.00
10:30 AM	250	80	0.75
10:45 AM	250	80	0.75
11:00 AM	250	80	0.75
11:15 AM	250	80	0.75
11:30 AM	250	80	0.75

This yield test report is for informational purposes only. Please note the yield may increase or decrease over time and the GPM indicated above is not a guarantee.

*Supplemental well - yield not 6 hr
 and not completed
 on same date as
 tagged well on site*

**MICHAEL BARLOW WELL DRILLING
522 UNDERWOOD LANE
BEL AIR, MD 21014
410-838-6910**

Howard County Health Department
7178 Columbia Gateway Drive
Columbia, MD 21046
Attn: Ryan Rappaport

September 10, 2020

Re: Evergreen Farm

Mr. Rappaport,

We received your email outlining your review of our completion reports for the Evergreen Farm project and have responded to each bullet point below.

- 1)The full size plan showing our attempts and septic areas for the subdivision will need to be supplied by the developer, but we will forward a copy of your email to them as a reminder.
- 2)The successful (1.5 gpm) well on lot 2 was not drilled until March 4, 2020 and was tested on March 13th as indicated on the yield report. The supplemental well was pumped on February 27th in tandem with another attempt to determine if together they would meet the 1 gpm requirement. The other attempt would not maintain at least ½ gpm so the test was stopped a couple hours into it and that other attempt was labeled a dry hole and abandoned. That failed test forced us to continue drilling, which resulted in the 1.5 gpm well. Since we had a well that met the 1 gpm requirement on it's own and we were not utilizing the supplemental well to meet that requirement, we did not test those two wells in tandem. I will provide you a copy of the abbreviated test for the supplemental well and if your office mandates that they be tested in tandem, will advise the developer of that requirement. Both of the wells are within the approved well area and will be located on the final plan.
- 3)The completion report for lot 4 should have shown 1 unsuccessful well to match the abandonment report provided. Should I send a revision or will you make to correction on your end.
- 4)There are no issues with the well on lot 5. The incident on 1/29/20 was the result of a ongoing personality conflict between your inspector and our driller, which has been discussed with Kevin Wolf and John Boris. Kevin Wolf made a site visit himself later that day to speak with our driller and contacted our office. Mr. Wolf is well aware of this incident and should be contacted if you need further information.

- 5) Only one attempt was made on lot 6 which resulted in the 4 gpm well.
- 6) The tag will be attached to the supplemental well on lot 7 once it has been received.
- 7) Please notify the developer that the request to use HO-81-2161 has been refused and that a site plan showing a new well area will need to be submitted along with a new well permit application before drilling can continue.
- 8) The missing data on the yield report for HO-18-0129 and completion report for the supplemental well is an oversight on our part. I will send you revisions of both. Once we receive the tag for the supplemental well, it will be attached to the well casing.

Michael Barlow
MWD355

Rappaport, Ryan

From: Rappaport, Ryan
Sent: Tuesday, August 11, 2020 10:28 AM
To: Mike Isom (misom@mbwd.us)
Cc: Williams, Jeffrey; Wolf, Kevin; Cabahug, Joseph; Thomas, Susan; Oswald, Hank
Subject: Evergreen Farm - well requirement update

Hello Mike, I've had an opportunity to review the Evergreen Farm well package that you sent in July and was able to discuss it with Jeff and Kevin. Listed below are the follow up requirements needed by Barlow Well Drilling

- A full size plan showing the exact location of all the wells, supplemental wells, dry holes, current well boxes and septic areas for lots 1-8.
- The yield test for the first successful well on lot 2 with 1.5 gpm (well tag # HO-18-0172) was reported by the inspector to be completed on 2/27/20 but the yield report provided by Barlow is dated 3/13/2020. Please explain the discrepancy. Your request for the additional well on lot 2 at .75 gpm has been approved however there was no well exhibit or yield test data provided with the submittal. Please provide a well site plan for the supplemental well and according to COMAR 26.04.04.26 (H)(4) these two wells on lot 2 will need to be yield tested at the same time.
- The completion report for lot 4 (well tag # HO-18-0165) notes that there were no unsuccessful wells however the driller submitted an abandonment report for a 600' dry hole on this lot. Please clarify this discrepancy.
- On 1/29/2020 the driller refused a drilling inspection for Lot 5 (HO-18-0166), please explain. Is there an issue with this well that needs to be reported to the Health Dept?
- There's a note on the well exhibit for lot 6 which claims there was a dry hole drilled on this lot but the completion reports states that there were no unsuccessful wells. Please clarify and if there is a dry hole on this lot please provide an abandonment report and make note of it on the full size plan which has been requested.
- The supplemental well for lot 7 has all the necessary submittals and has been approved. The approved permit with a well tag will be sent to Barlow Well Drilling in the mail.
- The request to yield the 8250 Old Columbia Rd existing well (tag # HO-81-2161) and use it to serve lot 8 by using an easement designation has been denied. The HO-81-2161 well is not noted on any plan provided to the Health Dept. Lot 8 will require a successful well within the lot boundaries in order to be a buildable lot. If the developer wants to maintain this as a buildable lot, a new well box will need to be reviewed by the Well & Septic Supervisor and must meet all required setbacks. The new proposed well box should be noted on the requested full size plan for review.
- The depth at which the pump was set for the well yield report for the Parcel A lot (tag# HO-18-0129) must be provided. The grouting record on the completion report for the Parcel A supplemental well is missing and must also be provided. The supplemental well permit application has been approved and the permit along with a well tag will be sent to Barlow once this Parcel A additional information has been provided to the Health Dept.



HOWARD COUNTY HEALTH DEPARTMENT

67901

DATE 7 15 120

Received From

Michael Barlow

PHONE #

410 838-6910

Wellpoint

For

Wellpoint Old (3) Columbus Rd.

CASH

CHECK

NO.

2066

Four hundred eighty

Dollars

\$ 480 00

Received By

OR



HOWARD COUNTY HEALTH DEPARTMENT

67901

DATE 7/15/20

Received From

Michael Barlow

PHONE #

410 605 838-6910

CASH

CHECK

NO. 2066

For Well Permit Old

(3) Columbia Rd.

Four hundred eighty

\$ 480.00

Dollars

Received By

[Signature]


**MICHAEL BARLOW WELL DRILLING
522 UNDERWOOD LANE
BEL AIR, MD 21014
410-838-6910**

Howard County Health Department
7178 Columbia Gateway Drive
Columbia, MD 21046
Attn: Kevin Wolf

July 10, 2020

Re: Evergreen Farm – Lot 2

Although there is a well that meets the 1 gpm requirement on Parcel A (HO-18-0172), the developer would like to retain the well that produces .75 gpm as a secondary supply. I have enclosed a second well permit application and the completion report along with this letter. Once issued, we would return to the site to attach the tag to the well.



Michael Barlow
MWD355

File Inquiry Notes
Evergreen Farm Lot 2

11/29/2021

Barlow drilled four holes in the well box on Lot 2. They tested one of the holes (later designated as HO-20-0134) in tandem with another hole on 2/27/2020. Together the wells did not meet 1GPM so they stopped the tandem yield test a couple hours into it. They did not provide yield test data for this informal test, but on the completion report HO-20-0134 was recorded as having a depth of 600' and producing 0.75GPM.

The failed attempt forced them to drill a 5th hole to 600' starting on 3/3/20. This hole produced 1.5GPM for a yield test on 3/13/2020. This hole was then designated HO-18-0172 under the original permit and a completion report was submitted.

Barlow sealed three dry holes on 7/10/2020. The developer wanted to retain HO-20-0134 as a secondary supply so Barlow applied for a second well permit. They submitted the completion report with a depth of 600', hours pumped as "1 hour" and the rate as "0.75GPM."

It was determined that HO-18-0172 and HO-20-0134 would need to be tested in tandem to decide whether the HO-20-0134 could be kept or would need to be abandoned, since this well had not passed a true yield test.

Fogles performed a tandem test on both wells on 10/1/2021. They discovered that HO-20-0134 was only 560' deep, unlike what had been reported on the completion report. The results of the 6 hour tandem yield test were:

HO-18-0172 : 0.5GPM

HO-20-0134 : 1.25GPM

This is in contradiction to what was written on the completion reports by Barlow.

The permit was approved for the secondary well and it was assigned well tag #HO-20-0134.

Williams, Jeffrey

From: amiller@bei-civilengineering.com
Sent: Wednesday, October 16, 2019 9:16 AM
To: Williams, Jeffrey
Subject: RE: F-18-047 Fulton Hill

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

I think we'll do the box – that way if they do have a well that doesn't make it, they will know where the limits are.

Thanks for the response!

Alice A. Miller, P.E.
410-465-6105 (voice)

From: Williams, Jeffrey <jewilliams@howardcountymd.gov>
Sent: Wednesday, October 16, 2019 9:09 AM
To: 'amiller@bei-civilengineering.com' <amiller@bei-civilengineering.com>
Subject: RE: F-18-047 Fulton Hill

That note looks fine. If you want to just stake the individual well site at the back, that is also fine, just make sure the staked location is the same as the little w circle on the plan and it wouldn't hurt to add a little note to the plan indicating that just the well site is staked, not the whole box.

From: amiller@bei-civilengineering.com <amiller@bei-civilengineering.com>
Sent: Tuesday, October 15, 2019 3:39 PM
To: Williams, Jeffrey <jewilliams@howardcountymd.gov>
Subject: RE: F-18-047 Fulton Hill

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Jeff – I'm starting the well exhibits for this plan, and since we discussed locating the wells at the rear of the box, I think we'll show and stake a single location within the well box. I also added a note (below and on the right side of the plan view). Let me know if you would like this to read differently. I'm going to try to wrap this up tomorrow (Wednesday, Oct 16), so if you haven't had a chance to look before then, your reviewer may see them coming in soon.

Alice A. Miller, P.E.
410-465-6105 (voice)

From: Williams, Jeffrey <jewilliams@howardcountymd.gov>
Sent: Thursday, October 10, 2019 9:31 AM
To: 'amiller@bei-civilengineering.com' <amiller@bei-civilengineering.com>
Cc: Oswald, Hank <hoswald@howardcountymd.gov>; Edmondson, Chad <cedmondson@howardcountymd.gov>; Thompson, Phil <pthompson@howardcountymd.gov>; Chris Malagari <cmalagari@bei-civilengineering.com>
Subject: RE: F-18-047 Fulton Hill

well/swale 

Thanks Alice. We'll take the SDP location of the other well to confirm 50+' separation.

As for the other wells, I had forgotten our previous discussions about the swales. In the 3 years since, we've tightened down even more on trying to prevent road salt problems, but we will honor what we agreed to on this project. I would like to make sure that the initial wells on those lots get drilled at the back edge of the well boxes to maximize separation. We'll note it in the file and when you go to drill, maybe we can just have the back edge line staked for the driller.

Chad: we'll accept this as-is. Thanks for looking out and sorry for the couple day limbo based on me forgetting that we did this already back in 2016.

Jeff

From: amiller@bei-civilengineering.com <amiller@bei-civilengineering.com>
Sent: Wednesday, October 09, 2019 2:23 PM
To: Williams, Jeffrey <jewilliams@howardcountymd.gov>
Cc: Oswald, Hank <hoswald@howardcountymd.gov>; Edmondson, Chad <cedmondson@howardcountymd.gov>; Thompson, Phil <pthompson@howardcountymd.gov>; Chris Malagari <cmalagari@bei-civilengineering.com>
Subject: RE: F-18-047 Fulton Hill

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Jeff – DED brought this up during the development reviews. We confirmed with the Health Department that the minor 'disconnection' drainage areas near lots 1-4, and 6-8 would be allowable and 'not be considered a swale'. (see attached) The inlets capture these minor flows.

We didn't field location the well (I can't say why, except that so much of the Church's sign was on 'our' property that the field guys probably already thought they had gone far enough). However, we did locate it from the church's SDP. On the attached plan, you can see that the well is about 49' (maybe even 50'). The outside edge of the swale is 3.4' off the property, so the well is 52.4' off the swale.

Alice A. Miller, P.E.
410-465-6105 (voice)

From: Williams, Jeffrey <jewilliams@howardcountymd.gov>
Sent: Wednesday, October 9, 2019 1:19 PM
To: AMILLER@BEI-CIVILENGINEERING.COM
Cc: Oswald, Hank <hoswald@howardcountymd.gov>; Edmondson, Chad <cedmondson@howardcountymd.gov>; Thompson, Phil <pthompson@howardcountymd.gov>
Subject: F-18-047 Fulton Hill

Hello Alice. DED caught something on the plat supplemental for this project. There are roadside swales and inlets less than 50' from the wellboxes on lots 1-4 and 6-8. The well on St. Francis lot 1 may be less than 50' from the entrance roadside swale, the plan just says approximate well location and shows it 56' away.

The perc cert we signed in 2018 contained a note that stated all wells would be over 50' from roadside swales or curb and gutter would be utilized. We need this to be revised before we can sign the plat or release any well permits. Thanks

Jeff Williams
Program Supervisor, Well & Septic Program
Bureau of Environmental Health
Howard County Health Dept.
410-313-4261

Williams, Jeffrey

From: Oswald, Hank <hoswald@howardcountymd.gov>
Sent: Thursday, October 20, 2016 8:39 AM
To: Alice Miller
Subject: RE: Health Department conversation record
Attachments: Evergreen Farms SWM and Grading.pdf

Hi Alice:

We never take a setback from sheet flow credit, only actual devices or graded swales. In terms of the swale, we have agreed to consider the grading as shown on the attached sheet to be minor enough in nature to not take a 50' setback.
Hank

From: Alice Miller [mailto:amiller@bei-civilengineering.com]
Sent: Thursday, October 20, 2016 7:45 AM
To: Oswald, Hank
Cc: Billy Seay; Chris Malagari
Subject: RE: Health Department conversation record

Hank – Can you provide a confirmation (or correction!) on this? I need to send something to DED before they reject the ECP again.

Thank you,

Alice A. Miller, P.E.
410-465-6105 (voice)

From: Alice Miller [mailto:amiller@bei-civilengineering.com]
Sent: Tuesday, October 04, 2016 1:09 PM
To: Oswald, Hank (hoswald@howardcountymd.gov)
Cc: Billy Seay; Chris Malagari (cmalagari@bei-civilengineering.com)
Subject: Health Department conversation record

Hank;

For the purpose of documentation for plan submission, following are the issues DED raised, which we've discussed, and the resolutions:

Driveway sheetflow disconnections may overlap well boxes.

Swales must be 50' from well boxes, but given the minor nature of the road, the sheetflow disconnection treatment of the flow, and the minor drainage area, the conveyance swales in front of Lots 2,3,4,6 and 7 may be allowed.

Please confirm, or clarify if I've misstated anything!

Alice A. Miller, P.E.
Benchmark Engineering, Inc.
8480 Baltimore National Pike, Suite 315
Ellicott City, Maryland 21043
410-465-6105 (voice)
410-465-6644 (fax)

From: Williams, Jeffrey <jewilliams@howardcountymd.gov>
Sent: Thursday, December 19, 2019 8:18 AM
To: Oswald, Hank <hoswald@howardcountymd.gov>
Subject: RE: F-18-047

Yes. Page 12 has a decent view if you look close, you can see the little double lines of where the curb starts around the cul de sac. Page 3 has a profile of the curb and gutter. Don't forget to check the file to make sure the lots along the road leading to the cul de sac have a note in red marker on the folder cover saying the wells shall be drilled in the back edge of the well box. That is what we agreed with them to allow the stretch leading to the cul de sac to not have curb and gutter.

From: Oswald, Hank
Sent: Wednesday, December 18, 2019 10:59 AM
To: Williams, Jeffrey <jewilliams@howardcountymd.gov>
Subject: F-18-047

Hi Jeff:

Does this plan show curb and gutter? It's hard to tell.

Thanks,

Hank

Hank Oswald
Licensed Environmental Health Specialist
Howard County Health Department
Bureau of Environmental Health
Well & Septic Program
8930 Stanford Boulevard
Columbia, MD 21045
410.313.1786 (Office)
hoswald@howardcountymd.gov



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From: Oswald, Hank
Sent: Wednesday, December 18, 2019 10:59 AM
To: Williams, Jeffrey <jewilliams@howardcountymd.gov>
Subject: F-18-047

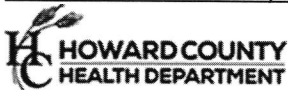
Hi Jeff:

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Thanks,

Hank

Hank Oswald
Licensed Environmental Health Specialist
Howard County Health Department
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