

C1 26514

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 4520 385 NUMBER 4520 948

ST/CO USE ONLY

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-95-2626

DATE Received MM 08 DD 01 YY 14

MM 03 DD 07 YY 14

22 205 26 (TO NEAREST FOOT)

PR OK 11/24/14

28 29 30 31 32 33 34 35 36 37

OWNER: BASSLER VENTURE LLC
WELL SITE ADDRESS: last name HAYLAND first name LAMM WAY TOWN CLARKSVILLE MD
SUBDIVISION SECTION Phase 3 LOT 83

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries for Top Soil, Clay, Sandy, Sand Stone, MICKA, etc.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL (CM, BC), NO. OF BAGS 17, NO. OF POUNDS 1200, DEPTH OF GROUT SEAL 8 ft.

CASING RECORD: MAIN CASING TYPE PL, Nominal diameter 6 inch, Total depth 66 feet.

OTHER CASING (if used) table with columns for diameter and depth.

SCREEN RECORD: screen type HO, insert appropriate code below.

NUMBER OF UNSUCCESSFUL WELLS: 0
WELL HYDROFRACTURED: Y

CIRCLE APPROPRIATE LETTER: A, E, P

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

DRILLERS LIC. NO. M SD 117
DRILLERS SIGNATURE
LIC. NO.

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

DEPTH (nearest ft.) HO 64 205
EACH CASING table with columns for diameter and depth.

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, OTHER DATA

PUMPING TEST: HOURS PUMPED 3, PUMPING RATE 10 gal. per min., METHOD USED TO MEASURE PUMPING RATE Bucket, WATER LEVEL 25 ft.

PUMP INSTALLED: DRILLER INSTALLED PUMP YES NO, TYPE OF PUMP INSTALLED PLACE, CAPACITY: GALLONS PER MINUTE, PUMP HORSE POWER, PUMP COLUMN LENGTH, CASING HEIGHT.

LATITUDE 39.24179, LONGITUDE 76.95347, (DEFAULT COORD. WGS 84)

NOTES:

B 1 14983

SEQUENCE NO (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type 5451038

STATE PERMIT NUMBER

HO-95-2626 fill in this form completely

Date Received (APA) 10-07-13

OWNER INFORMATION

BASSLER VENTURE LLC PO Box 482 LISBOW MD 21765

LOCATION OF WELL

Howard COUNTY WALNUT CREEK PHASE 3 SECTION 3 LOT 83 CLACKSVILLE

DRILLER INFORMATION

Ralph MAYNE M S D 117 Ralph MAYNE Well Drilling 17024 Handy Rd. Mt. Airy MD 21771

SOURCES OF DRILLING WATER

well HAYLAND VILLA WAY ON WHICH SIDE OF ROAD 450 DISTANCE FROM ROAD 48 TAX MAP: 28 BLK: PARCEL 49

WELL INFORMATION

APPROX. PUMPING RATE 5 (GAL. PER MIN.) AVERAGE DAILY QUANTITY NEEDED 500 (GAL. PER DAY)

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 A52D385 COUNTY NO. 13 STATE SIGNATURE DATE ISSUED 01/08/2014 CO SIGNATURE EXP. DATE 1/8/15

APPROXIMATE DEPTH OF WELL 150 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)

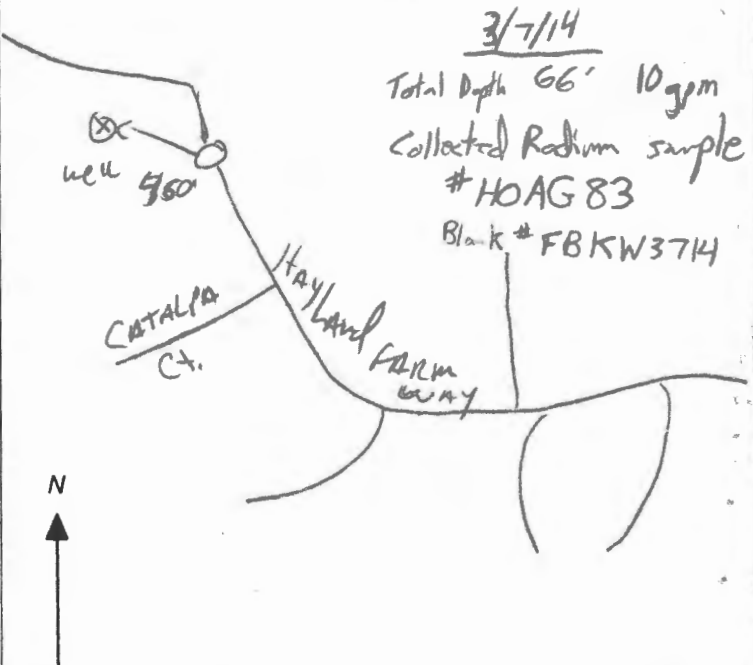
- THIS WELL WILL NOT REPLACE AN EXISTING WELL THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS THIS WELL WILL DEEPEMED AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)

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

APPROP. PERMIT NUMBER HO 2006G020 PERMIT No. HO-95-2626

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



SPECIAL CONDITIONS

Radium Sample required at yield test; all wells must be at least 100 feet apart



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: Foops Well Pump & WIT, LLC Telephone #: 410 795 5670  
 Address: 5800 Obrecht Rd  
Sykesville, MD 21784

Must circle one: Licensed Plumber / Licensed Well Driller / Licensed Well Pump Installer  
 License # and name of individual responsible for the field installation:

Name (Print): David C Foale 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: Calvin Custom Homes Telephone #: \_\_\_\_\_  
 Subdivision: Walnut Creek Lot #: 83 Well Tag #: HO-95-2626 ✓  
 Site Address: 12233 Hayland Farm way  
Ellicott City, MD 21042

**Submersible Pump Data**

Make: Grundfos  
 Model #: 155QE07-180  
 Pump Capacity: 15  
 Well Yield: 10  
 Depth of well encountered at time of pump installation: 205 (feet)

**Pitless Adapter**

Make: Campbell +  
 Model#: NA  
 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

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 NA

**Piping to house**

Type: 1" poly pipe  
 PSI: 200 (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: 2/18/2020

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

Date Insp. Requested: 2/18/2020 Date Insp. Approved: 2/18/2020 Inspector: [Signature]  
 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)

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

## INTERIM CERTIFICATE OF POTABILITY

Expiration Date – FEBRUARY 7, 2021

August 7, 2020

Homeowner  
12233 Hayland Farm Way  
Ellicott City, MD 21042

**RE: Walnut Creek, Lot 83**  
**12233 Hayland Farm Way**  
**Building Permit: B19002741**  
**Well Permit: HO-95-2626**

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 **2/18/2020**. Final approval of the well line connection to the dwelling was granted on **2/18/2020**. The well construction was completed on **3/7/2014**. Water samples were collected on **7/9/2020, 7/22/2020**.

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.

Gross Alpha and Beta samples were also collected on **3/7/2014**. Results showed a Gross Alpha level of **2.0 ± 0.0 pCi/L** and **Gross Beta** level of **4.0 ± 0.0 pCi/L**. The Gross Alpha was below the maximum contaminant level (MCL) of 15 pCi/L and the Gross Beta was below the target level of 50pCi/L (roughly equivalent to the annual dose rate of 4 millirems per year). At the time of testing and with respect to these parameters, the well water is safe for all uses.

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-95-2626. 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.**

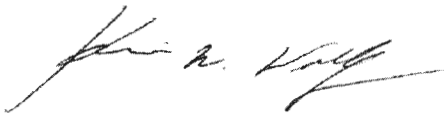
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Maura J. Rossman, M.D., Health Officer

Please contact (410) 313-1773 to schedule a final water sample appointment or contact a certified water quality 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>

In closing, please refer to our “Homeowner Fact Sheet” for understanding your onsite sewage disposal system. You will also find a link to Maryland Department of the Environments website which elaborates in further detail operation and maintenance of your Septic System.

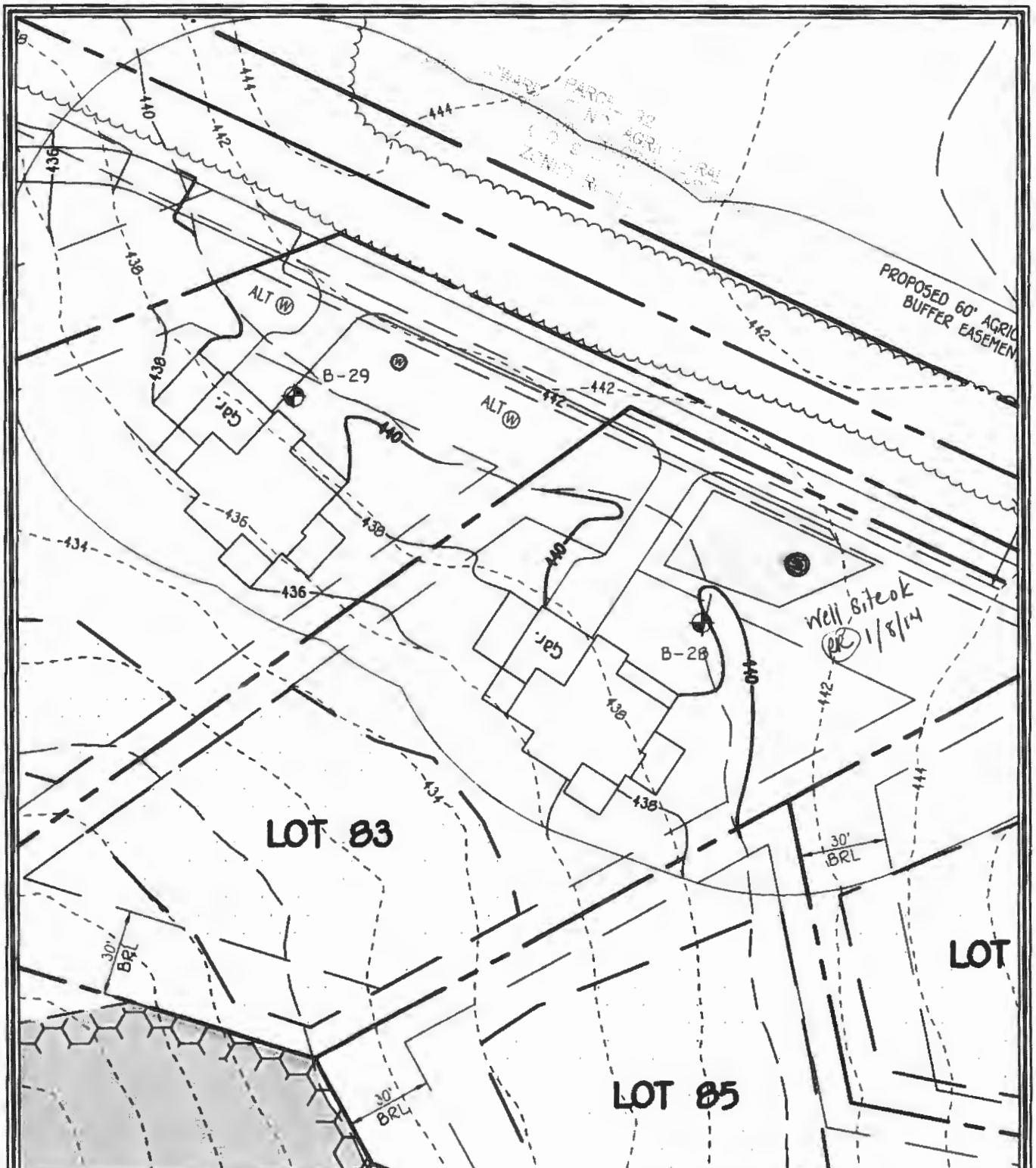
Approving Authority,



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

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

I:\2004\04001\dwg\PHASE THREE FINALS\04001 Phase Three WELL MAPS Lots 83-86 & 90-94 and Pres Par.T.dwg, Lot 83, 9/27/2013 8:46:17 AM, 1:1

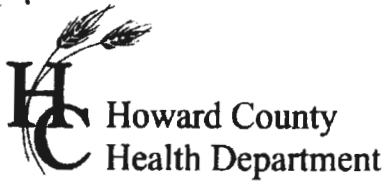


**WELL LOCATION INFORMATION:**  
 NORTHING = 573,646.53    EASTING = 1,325,513.05  
 LATITUDE = N39°14'30"    LONGITUDE = W76°57'12"

**LOT 83 WELL MAP  
 WALNUT CREEK  
 PHASE THREE**

Lots 69 - 114, Non-Buildable Preservation Parcels  
 'O' Thru 'R' & 'V', Non-Buildable Parcel 'S', Buildable Preservation  
 Parcel 'T' and Buildable Bulk Parcel 'U'  
 ZONED: RC-DEO & RR-DEO  
 TAX MAP No. 28    GRID Nos. 4, 5, 10-12, 17, AND 18  
 FIFTH ELECTION DISTRICT    HOWARD COUNTY, MARYLAND  
 DATE: SEPTEMBER 26, 2013    SCALE: 1"=50'

**FISHER COLLINS & CARTER, INC.**  
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
 CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE  
 ELICOTT CITY, MARYLAND 21042  
 (410) 461 - 2095



7178 Columbia Gateway Dr., Columbia, MD 21046  
(410) 313-2640 Fax (410) 313-2648  
TDD (410) 313-2323 Toll Free 1-866-313-6300  
website: www.hchealth.org

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Peter L. Bielensohn, M.D., M.P.H., Health Officer

TO ALL INTERESTED PARTIES

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

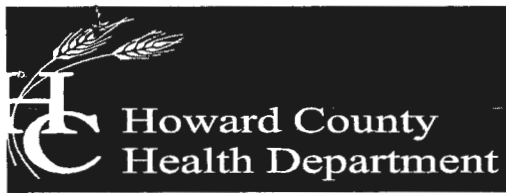
Well Site Location:

<u>Walnut Creek (Phase Three)</u>	<u>83</u>	<u>Hayland Farm Way</u>
<b>Subdivision/Property Name</b>	<b>Lot #</b>	<b>Road Name</b>

- The well site has been staked by Fisher Collins and Carter,  
(professional land surveyor or company employing professional land surveyors)  
on Sept. 19, 2013 (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 3/11/07



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](http://www.hchealth.org)

Facebook: [www.facebook.com/hocohealth](https://www.facebook.com/hocohealth)

Maura Rossman, M.D., Health Officer

April 29, 2014

Bassler Venture  
Attn. Tim Feaga  
15950 North Avenue, P.O. Box 482  
Lisbon, Maryland 21765

RE: Walnut Creek Lot 83 (Phase III)  
Hayland Farm Way  
Well Tag: HO - 95 - 2626

Dear Mr. Feaga:

A sample was collected during a yield test on March 7, 2014 and submitted to the Department of Health & Mental Hygiene Laboratories to assess the possible presence of **Gross Alpha** and **Gross Beta** in the future well water supply. **Gross Alpha** and **Gross Beta** measure the total alpha and beta particle activity in a water supply. These naturally occurring radioactive nuclides have been demonstrated to be present in a certain type of geologic formation known as the Baltimore Gneiss which exists in your area of development within the County.

Results from this screening revealed a **Gross Alpha** of  $< 2.0 \pm 0.0$  picocuries/liter (pCi/L), while the **Gross Beta** level was  $< 4.0 \pm 0.0$  pCi/L. The **Gross Alpha** result was below its **maximum contaminant level (MCL)** of 15 pCi/L, while the **Gross Beta** level was below its targeted value of 50 pCi/L (roughly equivalent to the **annual dose rate** of 4 millirems/year).

At the time of testing and with respect to these parameters, the future well water supply meets EPA regulatory standards. Additional testing **for these parameters** will not be required to secure the future Use & Occupancy. **Please note** that other standard testing parameters (bacteria, nitrate, turbidity and sand) will still be required to help secure Use & Occupancy.

A copy of the test results is enclosed for your information. Please call this office at **410-313-1773** if you have any further questions.

Sincerely,

A handwritten signature in cursive script that reads 'Bert Nixon'.

Bert Nixon, Director

Bureau of Environmental Health

Enclosure  
cc: Property file

SEND REPORT TO:

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

Laboratories Administration

201 W. Preston St., Baltimore, MD 21201

Robert A. Myers, Ph.D., Director

Lab No.

E002136 E-7#

RADIATION ANALYSIS REQUEST FORM

Plant/Site Name: Walnut Creek

County: Howard

Sample Source: Hayland Farm - Lot 83

Location: HO-95-2626

(Well no., lab sink, sample tap, etc.)

Radon-222 Bottle A HO AG 83

Radon-222 Field Blank

Bottle A FB KW 3714

Bottle B \_\_\_\_\_

Bottle B \_\_\_\_\_

County: 13

Plant No. \_\_\_\_\_

CHECK (one per Box)

Type
Drinking Water <input checked="" type="checkbox"/>
Landfill <input type="checkbox"/>
Stream <input type="checkbox"/>
Other <input type="checkbox"/>

Service
Community <input type="checkbox"/>
Non-Community <input type="checkbox"/>
Private <input checked="" type="checkbox"/>
Other <input type="checkbox"/>

Point of Collection
Source (Raw) <input checked="" type="checkbox"/>
Distribution (treated) <input type="checkbox"/>
MCL <input type="checkbox"/>

Testing
Emergency <input type="checkbox"/>
Routine <input checked="" type="checkbox"/>
Recheck <input type="checkbox"/>
Special <input type="checkbox"/>

Submitters Code: \_\_\_\_\_

Federal Project: \_\_\_\_\_

Collector: Andrew Geisert

Telephone No.: 410-313-6287

Date Collected: 3/7/14

Time Collected: 11:45 a.m. ~~4:25~~ p.m.

Field pH: \_\_\_\_\_

Field Chlorine: No

Nitric Acid Preserved: Yes  No

Iced: Yes  No

Remarks: \_\_\_\_\_

TEST	EPA Code	Lab No.	Method No.	Results (pCi/L)	Date Analyzed	Analyst	Date Reported
<input checked="" type="checkbox"/> Gross Alpha	4000	2136	EPA 9000	<2.0	3/10/14	CWB	3/14/14
<input checked="" type="checkbox"/> Gross Beta	4100	2136	"	<4.0			
<input type="checkbox"/> Radium-226	4020						
<input type="checkbox"/> Radium-228	4030						
<input type="checkbox"/> Total Uranium	4006						
<input type="checkbox"/> Radon-222 (Bottle A)	4004						
<input type="checkbox"/> Radon-222 (Bottle B)	4004						
<input type="checkbox"/> Radon Field Blank A	4004						
<input type="checkbox"/> Radon Field Blank B	4004						
<input type="checkbox"/> Tritium							

Date Received: 3/7/14 Received By: C. Watty, Boyd

Data Release Signature: Rebecca Miller - Juhl Date: 3/14/14

Lab Use Only	Yes	No	N/A
Sample Intact upon arrival?	<input checked="" type="checkbox"/>		
Sample pH <2.0?	<input checked="" type="checkbox"/>		
Received within holding time?	<input checked="" type="checkbox"/>		

•Tel. No.: (410) 767-5537 •Fax No.: (410) 333-5373

**FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.**

1413 Old Taneytown Rd. Westminster, MD (410) 848-1014 (410) 876-4554 FAX (410) 848-0298

**REPORT OF ANALYSIS**

Laboratory ID #: 138379 Account #: 1933  
Reference: Carin Custom Homes Company: Fogles Well Pump & Treatment  
Location: 12233 Hayland Farm Way Requested By: Dave Fogle  
Ellicott City, MD 21042 Source: Well Water  
Date/ Time Collected: 7/9/2020 1115 Site: Kitchen Sink Tap  
Date/Time Rec'd: 7/9/2020 1242 Treatment: None  
Chlorine ppm: Free: ND Total: ND pH: 5.9  
Collected By: J. Evans 0309JE Well #: HO-95-2626

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	2.0	MPN/ 100 ml	<1.0	SM20 9223B	7/10/2020 / 1000 / CRS
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	7/10/2020 / 1000 / CRS
Nitrate	6.54	mg/L	10	601	7/9/2020 / 1550 / CRS
Turbidity	<0.30	NTU	<10	SM20 2130B	7/9/2020 / 1630 / CRS
Sand	ND	mg/L	5	Visual/Gravimetric	7/9/2020 / 1625 / CRS

**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 Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- 5 Sample collected by client, analyzed as received
- 6 ND:None Detected
- 7 pH and Chlorine level tested in lab (pH tested after recommended holding time)
- 8 Visual well check: Sealed, vented cap

**Reason for Test :** Use & Occupancy**Building Permit # :** 19002741Date Reported: 7/10/2020

# FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

1413 Old Taneytown Rd. Westminster, MD (410) 848-1014 (410) 876-4554 FAX (410) 848-0298

## REPORT OF ANALYSIS

Laboratory ID #: 138684 Account #: 1933  
Reference: Carin Custom Homes Company: Fogles Well Pump & Treatment  
Location: 12233 Hayland Farm Way Requested By: Dave Fogle  
Ellicott City, MD 21042 Source: Well Water  
Date/ Time Collected: 7/22/2020 1115 Site: Kitchen Sink  
Date/Time Rec'd: 7/22/2020 1457 Treatment: None  
Chlorine ppm: Free: ND Total: ND pH: 5.0  
Collected By: J. Evans 0309JE Well #: HO-95-2626

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	7/23/2020 / 1030 / CRS
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	7/23/2020 / 1030 / CRS

### NOTES

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

**Reason for Test :** Use & Occupancy

**Building Permit # :** 19002741

Date Reported: 7/23/2020