

C1 26536 SEQUENCE NO. (MDE USE ONLY) STATE OF MARYLAND WELL COMPLETION REPORT THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED. COUNTY NUMBER A 520 385

ST/CO USE ONLY DATE RECEIVED 11/03/15 DATE WELL COMPLETED 10/15/15 Depth of Well 165 (TO NEAREST FOOT) PERMIT NO. FROM "PERMIT TO DRILL WELL" 40-15-0141

OWNER BASSLER Ventures LLC WELL SITE ADDRESS Lindera Ct TOWN CLARKSVILLE SUBDIVISION WALNUT CREEK PHASE 4 SECTION 4 LOT 116

**WELL LOG**  
Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

DESCRIPTION (Use additional sheets if needed)	FEET		check if water bearing
	FROM	TO	
Top Soil	0	2	
Clay	2	10	
White mica	10	22	
Sand Stone	22	25	✓
White mica	25	60	
Sand Stone	60	65	✓
White mica	65	165	

7 bags / 2 = 3.5 bags / 10'

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED YES  NO

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 SD 119  
DRILLERS SIGNATURE  
LIC. NO. SD

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

**GROUTING RECORD** YES  NO

WELL HAS BEEN GROUTED (Circle Appropriate Box)

TYPE OF GROUTING MATERIAL (Circle one)  
CEMENT  BENTONITE CLAY

NO. OF BAGS 7 NO. OF POUNDS 200  
GALLONS OF WATER 42

DEPTH OF GROUT SEAL (to nearest foot)  
from 0 ft. to 20 ft.

**CASING RECORD**

casing types insert appropriate code below

STEEL  CONCRETE   
PLASTIC  OTHER

MAIN CASING TYPE PL Nominal diameter top (main) casing (nearest inch) 6 Total depth of main casing (nearest foot) 22

**OTHER CASING (if used)**

diameter inch depth (feet) from to

**SCREEN RECORD**

screen type or open hole insert appropriate code below

STEEL  BRASS  OPEN HOLE   
BRONZE  PLASTIC  OTHER

**C 2** DEPTH (nearest ft.)

70 20 165

E A C H S C R E E N

SLOT SIZE 1 2 3

DIAMETER OF SCREEN (NEAREST INCH)  
56 60

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 58

**MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)**

T (E.R.O.S.) W Q

70 72 74 75 76

TELESCOPE CASING LOG INDICATOR OTHER DATA

**C 3** **PUMPING TEST**

HOURS PUMPED (nearest hour) 3

PUMPING RATE (gal. per min.) 12

METHOD USED TO MEASURE PUMPING RATE Bucket

WATER LEVEL (distance from land surface)

BEFORE PUMPING 27 ft.

WHEN PUMPING 29 ft.

TYPE OF PUMP USED (for test)

A air P piston T turbine  
C centrifugal R rotary O other (describe below)  
J jet S submersible

**PUMP INSTALLED**

DRILLER INSTALLED PUMP (CIRCLE) (YES or NO) YES  NO

IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.

TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29

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  
- below } 2 (nearest foot)

LATITUDE 39.23728  
LONGITUDE 76.74155  
(DEFAULT COORD. WGS 84)

NOTES:

B 1 <b>26894</b> <small>2 3 6</small>	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND <b>APPLICATION FOR PERMIT TO DRILL WELL</b> please type	STATE PERMIT NUMBER <b>HO-15-0141</b> <small>70 75</small> fill in this form completely
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Date Received (APA) \_\_\_\_\_

**OWNER INFORMATION**

8 MM DD YY 13  
8/20/15

15 Last Name Gosler Owner Venture LLC First Name \_\_\_\_\_ 34

36 Street or RFD Lisbon MA. 21065 55

57 Town \_\_\_\_\_ 70 State \_\_\_\_\_ 72 Zip \_\_\_\_\_ 76

**LOCATION OF WELL**

B 3

8 COUNTY Howard 21

23 SUBDIVISION Walnut Creek Phase II 42

SECTION 44 46 LOT 116 48 50

52 NEAREST TOWN Clarksville MD 71

**DRILLER INFORMATION**

Driller's Name Ralph Mayne M SD 119 License No. 81

Firm Name Ralph Mayne Well Drilling

Address 17024 Handy Rd Mt Airy MD 21071

Signature [Signature] Date 9/19/15

**SOURCES OF DRILLING WATER**

B 4

11 STREET ADDRESS LINDERA Ct 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

NORTH  
 WEST  
 SOUTH  
 EAST

34 330 37 DISTANCE FROM ROAD ENTER FT OR MI ft 38 39

TAX MAP: 28 BLK: \_\_\_\_\_ PARCEL 49

**WELL INFORMATION**

1 2 APPROX. PUMPING RATE (GAL PER MIN.) 5 8 12

AVERAGE DAILY QUANTITY NEEDED (GAL PER DAY) 500 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 COUNTY NO. (13) A570385

STATE SIGNATURE \_\_\_\_\_ INSERT S → \_\_\_\_\_ 41

DATE ISSUED 9/24/15 CO SIGNATURE [Signature] EXP. DATE 9/24/16

43 MM DD YY 48

APPROXIMATE DEPTH OF WELL 150 FEET 24 28

APPROXIMATE DIAMETER OF WELL 64 INCH 24 28

**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

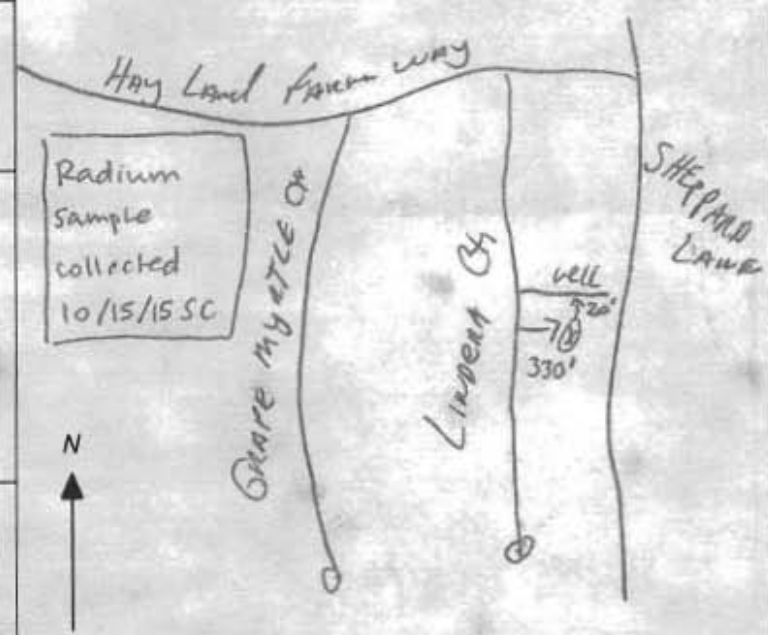
**METHOD OF DRILLING (circle one)**

BORED (or Augered)  JETTED  Jetted & DRIVEN

30 AIR-ROTARY  AIR-PERCussion  ROTARY (Hydraulic Rotary)

37 CABLE  REVERSE-ROTARY  DRIVE-POINT

other \_\_\_\_\_



**REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)**

THIS WELL WILL NOT REPLACE AN EXISTING WELL

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

39  THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS

THIS WELL WILL DEEPEM AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 \_\_\_\_\_ 52

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

APPROP. PERMIT NUMBER H02006G020

PERMIT No. HO-15-0141

70 71 72 73 74 75 76 77 78 79

**SPECIAL CONDITIONS**

NOTE: APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED- Wells must be 100' apart. Radium sample req'd at yield.



**HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
WELL & SEPTIC PROGRAM  
TEL: (410)313-1771 FAX: (410)313-2648**

**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: Robert L. Feezer Co. Telephone #: 410-781-4655  
Address: 6321 Barnett Avenue  
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): Russell C. George License# PI0148

**\*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: NV Homes Telephone #: 410-379-5956  
Subdivision: Walnut Creek Lot #: 116 Well Tag #: HO - 15 - 0141 ✓ 2/28/18 ⊕  
Site Address: 5017 Linder Court  
Ellicott City, MD 21042

**Submersible Pump Data**

Make: Schaefer  
Model #: 7SR0754-2W230  
Pump Capacity 7 GPM  
Well Yield: 12.0 GPM

**Pitless Adapter**

Make: Boshart  
Model#: P-100-GS  
Depth: 42' (36" min)  
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: 165 (feet)  
If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4

Torque arrestors, Cable guards, or other acceptable method used- Must circle one

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

**Piping to house**

Type: Poly  
PSI: 200 (160 psi min)  
Depth of supply line: 42' (36" min)

**House Connection**

PVC sleeve to undisturbed soil at wall penetration: Yes  
Length of sleeve(5' minimum from foundation): 10'  
Sleeve sealed properly: Yes

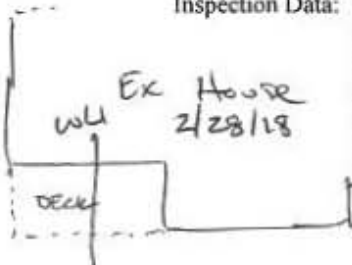
**The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.**

Russell C. George February 27, 2018  
Signature of company representative responsible for installation date

LINDER C

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

Date Insp. Requested: 2/28/18 Date Insp. Approved: 2/28/18 Inspector: ⊕  
Inspection Data: Pitless adapter watertight & water supply line at least 36" below grade ✓ 38" 2/28/18 ⊕  
Two piece cap installed and attached to casing securely ✓  
Elec. conduit extends at least 18" below grade/attached to cap properly ✓ 30" 2/28/18 ⊕  
Safety rope not outside of well cap/casing ✓  
Correct well tag attached properly and casing 8" above finished grade ✓ 26" 2/28/18 ⊕  
Water supply line sleeved adequately at house connection ✓ 19" 2/28/18 ⊕  
Adequate grout observed below pitless adapter ✓



## INTERIM CERTIFICATE OF POTABILITY

Expiration Date – OCTOBER 26, 2018

April 26, 2018

Homeowner  
5017 Lindera Court  
Ellicott City, MD 21042

**RE: Walnut Creek, Lot 116  
5017 Lindera Court  
Building Permit: B17002679  
Well Permit: HO-15-0141**

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 **4/18/2018**. Final approval of the well line connection to the dwelling was granted on **2/28/2018**. The well construction was completed on **10/15/2015**. Water samples were collected on **4/12/2018**.

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 **10/20/2015**. Results showed a Gross Alpha level of **5.5 ± 1.7 pCi/L** and Gross Beta level of **4.2 ± 1.9 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-15-0141. 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.**



**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

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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>

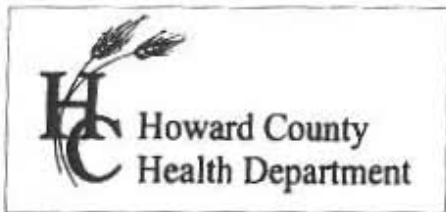
In closing, please refer to our "Homeowner Fact Sheet" for understanding your onsite sewage disposal system. You will also find a link to Maryland Department of the Environments website which elaborates in further detail operation and maintenance of your Septic System.

Approving Authority,

A handwritten signature in black ink, appearing to read 'Kevin M Wolf', is written over a faint, larger version of the signature.

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



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

Peter L. Bielson, 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</u>	<u>116</u>	<u>Lindera Court</u>
Subdivision/Property Name	Lot #	Road Name

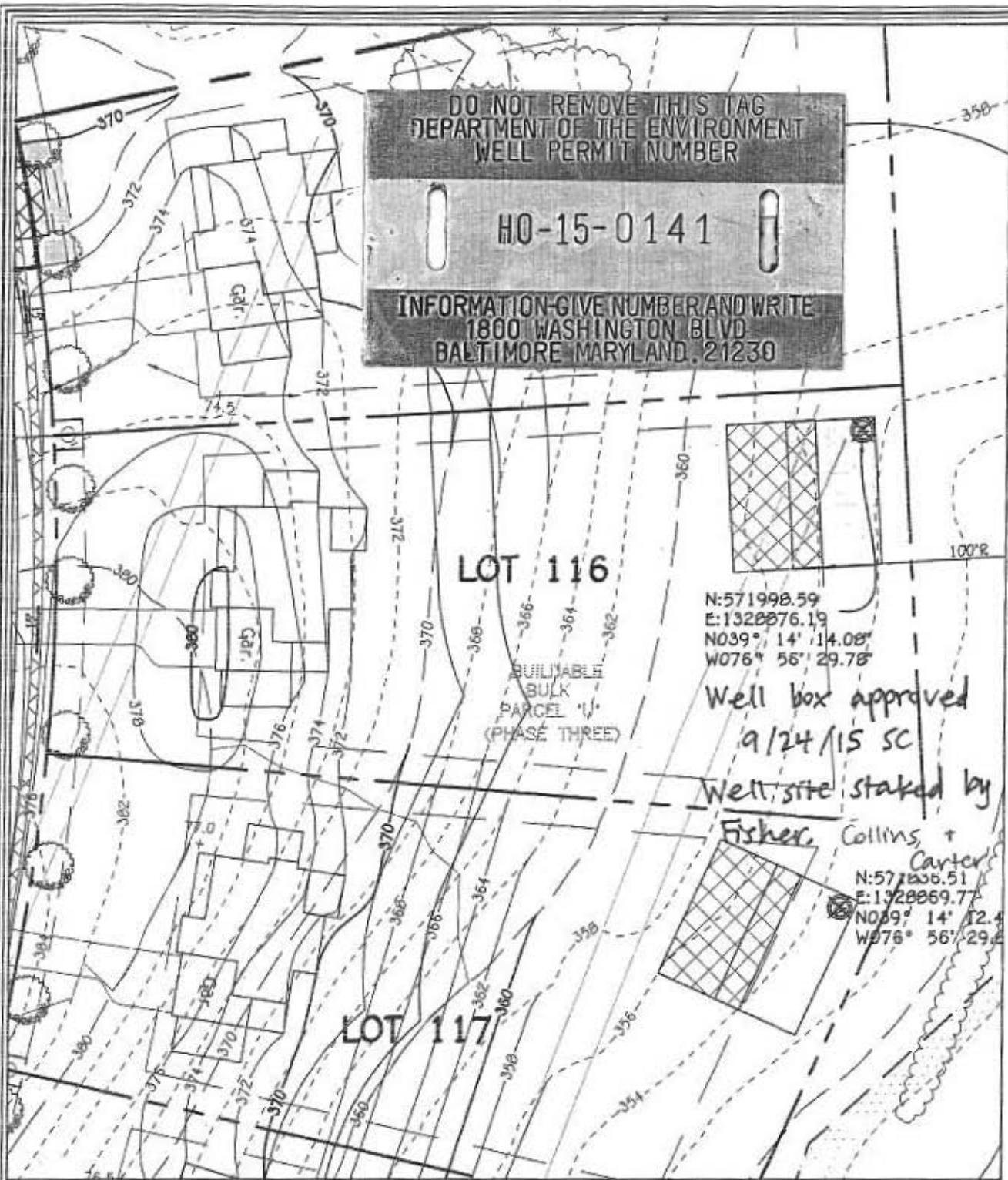
The well site has been staked by Fisher, Collins and Carter, Inc.,  
(professional land surveyor or company employing professional land surveyors)  
on 09/17/15 (date) and does not require a site inspection.

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

DO NOT REMOVE THIS TAG  
 DEPARTMENT OF THE ENVIRONMENT  
 WELL PERMIT NUMBER  
**HO-15-0141**  
 INFORMATION-GIVE NUMBER AND WRITE  
 1800 WASHINGTON BLVD  
 BALTIMORE MARYLAND, 21230



N:571998.59  
 E:1320076.19  
 N039° 14' 14.08"  
 W076° 56' 29.78"

Well box approved  
 9/24/15 SC  
 Well site staked by  
 Fisher, Collins +  
 Carter

N:571938.51  
 E:1320069.77  
 N039° 14' 12.4"  
 W076° 56' 29.8"

WELL LOCATION INFORMATION:  
 NORTHING = 571956.57 EASTING = 1320057.56  
 LATITUDE = N 39° 14' 14" LONGITUDE = W 76° 56' 30"

**LOT 116 WELL MAP  
 WALNUT CREEK  
 PHASE FOUR**

Lots 23 - 68, Non-Buildable Preservation Parcels  
 'C', 'G', 'T', 'K', 'L' And 'M', Buildable Bulk Parcels 'E' And 'H'  
 & Non-Buildable Parcel 'J'  
 ZONED: RC-DEO & RR-DEO

TAX MAP No. 28 GRID Nos. 4, 5, 10-12, 17, AND 18 PARCEL No. 49  
 FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
 DATE: SEPTEMBER 1, 2015 SCALE: 1"=50'

I:\2004\0-001\dwg\PHASE FOUR FINALS\04001 Phase Four FINAL WELL MAPS.dwg, 9/1/2015 2:23:21 PM, 1:1

**FISHER, COLLINS & CARTER, INC.**  
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
 CONTINENTAL SQUARE OFFICE PARK - 10278 BALTIMORE NATIONAL PKY.  
 ELLSWORTH CITY, MARYLAND 21042  
 (410) 461-2995



**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**

November 20, 2015

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

**RE: Walnut Creek Lot 116  
Lindera Court  
Well Tag: HO - 15 - 0141**

Dear Mr. Feaga:

A sample was collected during a yield test on October 15, 2015 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  $5.5 \pm 1.7$  picocuries/liter (pCi/L), while the **Gross Beta** level was  $4.2 \pm 1.9$  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 is within 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: Bert Nixon  
 Howard Co Health Dept  
 Bureau of Environmental Health  
 8930 Stanford Blvd  
 Columbia, MD 21045

DEPARTMENT OF HEALTH AND MENTAL HYGIENE  
 Laboratories Administration  
 201 W. Preston St., Baltimore, MD 21201  
 Robert A. Myers, Ph.D., Director

1770 Ashland Ave. Baltimore, MD 21205

Lab No.  
 E000635-0162

RADIATION ANALYSIS REQUEST FORM

Plant/Site Name: Walnut Creek - Lot 116 County: Howard

Sample Source: Lindera Ct. Location: 110-15-0141

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

Radon-222 Bottle A                      Radon-222 Field Blank Bottle A                       
 Bottle B                      Bottle B                     

County 113 Plant No.                     

CHECK (one per Box)

Type	Service	Point of Collection	Testing
Drinking Water <input checked="" type="checkbox"/>	Community <input type="checkbox"/>	Source (Raw) <input checked="" type="checkbox"/>	Emergency <input type="checkbox"/>
Landfill <input type="checkbox"/>	Non-Community <input type="checkbox"/>	Distribution (treated) <input type="checkbox"/>	Routine <input checked="" type="checkbox"/>
Stream <input type="checkbox"/>	Private <input checked="" type="checkbox"/>	MCL <input type="checkbox"/>	Recheck <input type="checkbox"/>
Other <input type="checkbox"/>	Other <input type="checkbox"/>		Special <input type="checkbox"/>

Submitters Code:            Federal Project: 5

Collector: S. Collins Telephone No.: 410-313 6287

Date Collected: 12/15/15 Time Collected:                      a.m. 2 p.m.

Field pH:                      Field Chlorine:                     

Nitric Acid Preserved: Yes  No  Iced: Yes  No

Remarks: Sample taken during yield

N	TEST	EPA Code	Lab No.	Method No.	Results (pCi/L)	Date Analyzed	Analyst	Date Reported
<input checked="" type="checkbox"/>	Gross Alpha	4000	0656	EPA 900.0	5.5 ± 1.7	10/20/15	JJ	10/21/15
<input checked="" type="checkbox"/>	Gross Beta	4100	0656	EPA 900.0	4.2 ± 1.9	10/20/15	JJ	10/21/15
<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							
<input type="checkbox"/>								

Date Received: 10/16/15 Received By:                       
 Data Release Signature:                      Date: 10/21/15

Lab Use Only	Yes	No	N/A
Sample Intact upon arrival?			
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

SEND REPORT TO: Bert Nixon  
 Howard Co. Health Dept.  
 Bureau of Environmental Health  
 8930 Stamford Blvd  
 Columbia, MD 21045

DEPARTMENT OF HEALTH AND MENTAL HYGIENE  
 Laboratories Administration  
 201 W. Preston St., Baltimore, MD 21201  
 Robert A. Myers, Ph.D., Director

Lab No.  
 E000654 016

RADIATION ANALYSIS REQUEST FORM

Plant/Site Name: Field Blank County: Howard

Sample Source: dlh 0 Location: HCHD Lab  
 (Well no., lab sink, sample tap, etc.)

Radon-222 Bottle A \_\_\_\_\_ Radon-222 Field Blank Bottle A \_\_\_\_\_  
 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: 5

Collector: S. Collins Telephone No.: 410-313-0237

Date Collected: 10/15/15 Time Collected: \_\_\_\_\_ a.m. 3 p.m.

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

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	0654	EPA 900.0	<2.0	10/20/15	JJ	10/21/15
<input checked="" type="checkbox"/> Gross Beta	4100	0654	EPA 900.0	<4.0	10/20/15	JJ	10/21/15
<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: 10/16/15 Received By: In Ji  
 Data Release Signature: Deborah Miller-Jack Date: 10/21/15

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 #:	121043	Account #:	1920
Reference:	Walnut Creek Lot 116	Company:	Robert L Feezer Co- New Homes
Location:	5017 Lindera Court Ellicott City, MD 21042	Requested By:	Rick Cross
Date/ Time Collected:	4/12/2018 1020	Source:	Well Water
Date/Time Rec'd:	4/12/2018 1213	Site:	Pressure Tank
Chlorine ppm:	Free: ND Total: ND	Treatment:	Softener/Neutralizer**
Collected By:	J. Yeager 6176JY	pH:	6.9
		Well #:	HO-15-0141

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223	4/13/2018 / 0900 / CRS
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223	4/13/2018 / 0900 / CRS
Nitrate	2.57	mg/L	10	601	4/12/2018 / 1550 / RER
Turbidity	1.30	NTU	<10	SM20 2130B	4/12/2018 / 1605 / RER
Sand	NS	mg/L	5	Visual/Gravimetric	4/12/2018 / 1605 / RER

### NOTES

- 1 \*\*Sample collected prior to treatment
- 2 mg/L = milligrams per liter (also, parts per million)
- 3 MPN/ 100 ml = Most Probable Number [of viable bacteria] per 100 ml of sample.
- 4 NS = None Seen (NS indicates less than 5 mg/L)
- 5 NTU = Nephelometric Turbidity Units
- 6 Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- 7 ND:None Detected
- 8 pH & Chlorine level tested on site
- 9 Visual well check: Sealed, vented cap

Reason for Test : Use & Occupancy  
Building Permit # : B17002697

Date Reported: 4/13/2018

