

C1 7433 SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY PLEASE TYPE

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

COUNTY NUMBER 13

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

ST/CO USE ONLY DATE Received MM DD YY 10 10 07

DATE WELL COMPLETED MM DD YY 10 10 07

Depth of Well 22 200 26 11/19/07 PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-95-1252

OWNER Bassler Alfred TOWN Ellicott City SUBDIVISION Walnut Creek SECTION LOT 13

WELL LOG table with columns: DESCRIPTION, FEET FROM, FEET TO, check if water bearing. Includes entries for Top Soil, Kill Dirt, Clay, Sandy, White Sand Stone, Blue Micka, and White Micka.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL (CM), NO. OF BAGS (25), NO. OF POUNDS (2500), GALLONS OF WATER (150), DEPTH OF GROUT SEAL (0 to 30 ft).

CASING RECORD: MAIN CASING TYPE (PL), Nominal diameter (6 inch), Total depth of main casing (50 feet).

OTHER CASING (if used): diameter (6 inch), depth (50 feet).

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" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT...

DRILLERS LIC. NO. M SD 117, DRILLERS SIGNATURE (S. M. Wilson), LIC. NO. D.

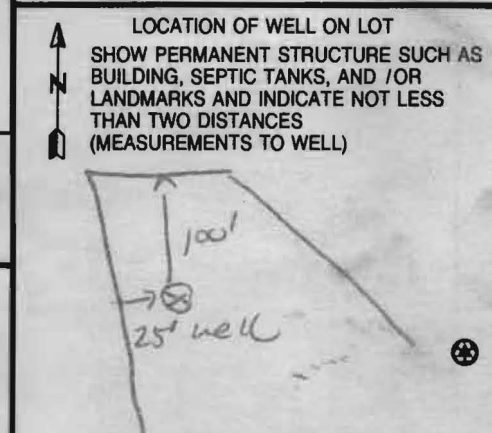
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

DEPTH (nearest ft.) 69, 200. A C H S R E E N SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH) 56 60 from to

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68. MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q 70 72 74 75 76 TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST: HOURS PUMPED (3), PUMPING RATE (15 gal. per min.), METHOD USED TO MEASURE PUMPING RATE (Bucket), WATER LEVEL (18 ft. before, 20 ft. when pumping), TYPE OF PUMP USED (S) submersible.

PUMP INSTALLED: DRILLER INSTALLED PUMP (NO), TYPE OF PUMP INSTALLED (29), CAPACITY: GALLONS PER MINUTE (31 to 35), PUMP HORSE POWER (37 to 41), PUMP COLUMN LENGTH (43 to 47), CASING HEIGHT (+) above LAND SURFACE (2) below (nearest foot).



B 1 0800

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL 527292 please type

STATE PERMIT NUMBER

Ho-95-1252 fill in this form completely

Date Received (APA)

OWNER INFORMATION

8 MM DD YY 13 BASSLER Venture LLC 15 Last Name Owner First Name 34 15950 W. AVE PO BOX 482 36 Street or RFD 55 LISBOW MD. 21765 57 Town 70 State 72 Zip 76

B 3 LOCATION OF WELL

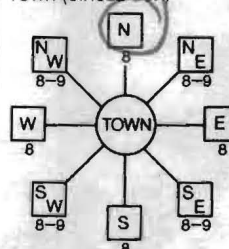
8 COUNTY 21 Howard 23 SUBDIVISION 42 WALNUT CREEK SECTION 44 46 LOT 48 50 113 52 NEAREST TOWN 71 CLARKSVILLE MILES FROM TOWN (enter 0 if in town) 2 MI 73 76 77 78

DRILLER INFORMATION

DRILLER'S NAME 76 RALPH E MAYNE M S D 117 License No. 81 FIRM NAME RALPH E. MAYNE INC ADDRESS 17025 Handy Rd. Mt Airy MD, 21771 Address 211 S. W. 8-8-07 Signature Date

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



11 NEAR WHAT ROAD 30 Road A ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) 34 200 37 DISTANCE FROM ROAD 44 ENTER FT OR MI 38 39 TAX MAP: 28 BLK: 11 PARCEL 49

B 2

WELL INFORMATION

APPROX. PUMPING RATE 5 (GAL. PER MIN.) 8 500 12 AVERAGE DAILY QUANTITY NEEDED 14 20 (GAL. PER DAY)

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 G GEO-THERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard (13) COUNTY NAME COUNTY NO. STATE SIGNATURE INSERT S DATE ISSUED 9/13/2007 Brian Baber 9/13/2008 CO SIGNATURE EXP. DATE NORTH GRID 511 000 EAST GRID 815 000

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)

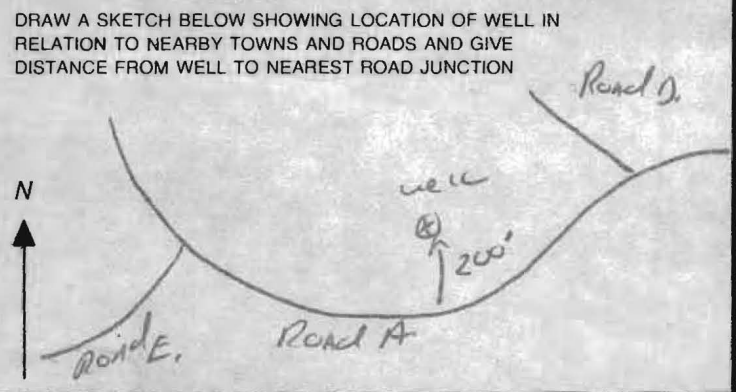
- N THIS WELL WILL NOT REPLACE AN EXISTING WELL Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS D THIS WELL WILL DEEPEM AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER 1. well 2. 3.

WRITE THE BOX NUMBER FROM THE MAP HERE E 8185 N 508511

Radium Sample Collected During Yield Test



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

APPROP. PERMIT NUMBER G PERMIT No. HO-95-1252

SPECIAL CONDITIONS Radium Sample Required if Well May Become Potable

**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): Joshua Henricks License# PI0173

***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 #: 69 Well Tag #: HO - 95 - 1281
Site Address: 12162 HAYLAND FARM WAY 1252
Ellicott City, MD 21042

<u>Submersible Pump Data</u>	<u>Pitless Adapter</u>	<u>Well Cap and Electric Conduit</u>
Make: <u>Berkeley</u>	Make: <u>Boshart</u>	Two piece watertight cap: <u>Yes</u>
Model #: <u>B7P4MS07221</u>	Model#: <u>P-100-SS</u>	Screened, vented well cap: <u>Yes</u>
Pump Capacity <u>7</u> GPM	Depth: <u>42"</u> (36" min)	Cap secured to casing: <u>Yes</u>
Well Yield: <u>15.0</u> GPM	NSF/WSC approved: <u>Yes</u>	Conduit min 18" B.G.: <u>Yes</u>
Depth of well encountered at time of pump installation: <u>220</u> (feet)		Conduit secured to well cap: <u>Yes</u>
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 <u>inside of well casing</u> <u>N/A</u>		

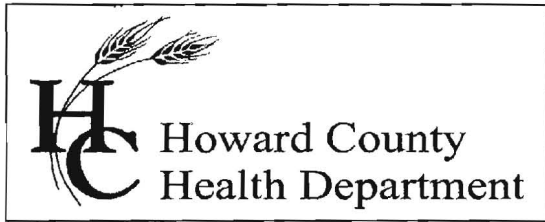
<u>Piping to house</u>	<u>House Connection</u>
Type: <u>Poly</u>	PVC sleeve to undisturbed soil at wall penetration: <u>Yes</u>
PSI: <u>200</u> (160 psi min)	Length of sleeve(5' minimum from foundation): <u>10'</u>
Depth of supply line: <u>42"</u> (36" min)	Sleeve sealed properly: <u>Yes</u>

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.

Joshua Henricks March 23, 2017
Signature of company representative responsible for installation date

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

Date Insp. Requested: 3/24/17 Date Insp. Approved: 3/24/17 Inspector: SC
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 ✓



Bureau of Environmental Health

8930 Stanford Blvd., Columbia, MD 21046-2147

Main: 410-313-1774 | Fax: 410-313-2648

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

www.hchealth.org

Facebook: www.facebook.com/hocohealth

Twitter: [HowardCoHealthDep](https://twitter.com/HowardCoHealthDep)

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

INTERIM CERTIFICATE OF POTABILITY

Expiration Date – DECEMBER 12, 2017

June 12, 2017

Homeowner
12162 Hayland Farm Way
Ellicott City, MD 21042

RE: Walnut Creek, Lot 69
12162 Hayland Farm Way
Building Permit: B16005164
Well Permit: HO-95-1252

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 **6/8/2017**. Final approval of the well line connection to the dwelling was granted on **3/24/2017**. The well construction was completed on **10/10/2007**. Water samples were collected on **5/3/2017 & 10/10/2007**.

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.

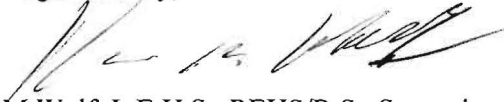
Gross Alpha and Beta samples were also collected on **10/10/2007**. Results showed a Gross Alpha level of **1.0 ± 1.4 pCi/L** and **Gross Beta** level of **2.9 ± 1.6 pCi/L**. The Gross Alpha was below the maximum contaminant level (MCL) of 15 pCi/L and the Gross Beta was below the target level of 50pCi/L (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-95-1252. 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.**

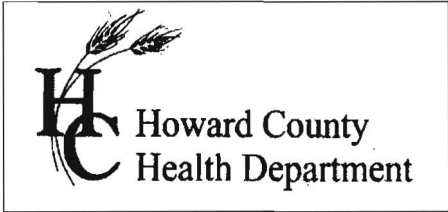
Please contact (410) 313-1773 to schedule a final water sample appointment or contact a certified water quality laboratory to schedule a water sample. A list of laboratories certified by the state of Maryland may be found at the following website:
<http://www.mde.state.md.us/assets/document/WSP-Labs-2010apr16.pdf>

Approving Authority,

A handwritten signature in black ink, appearing to read 'Kevin M Wolf', is written over a faint, illegible stamp or background.

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. 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:

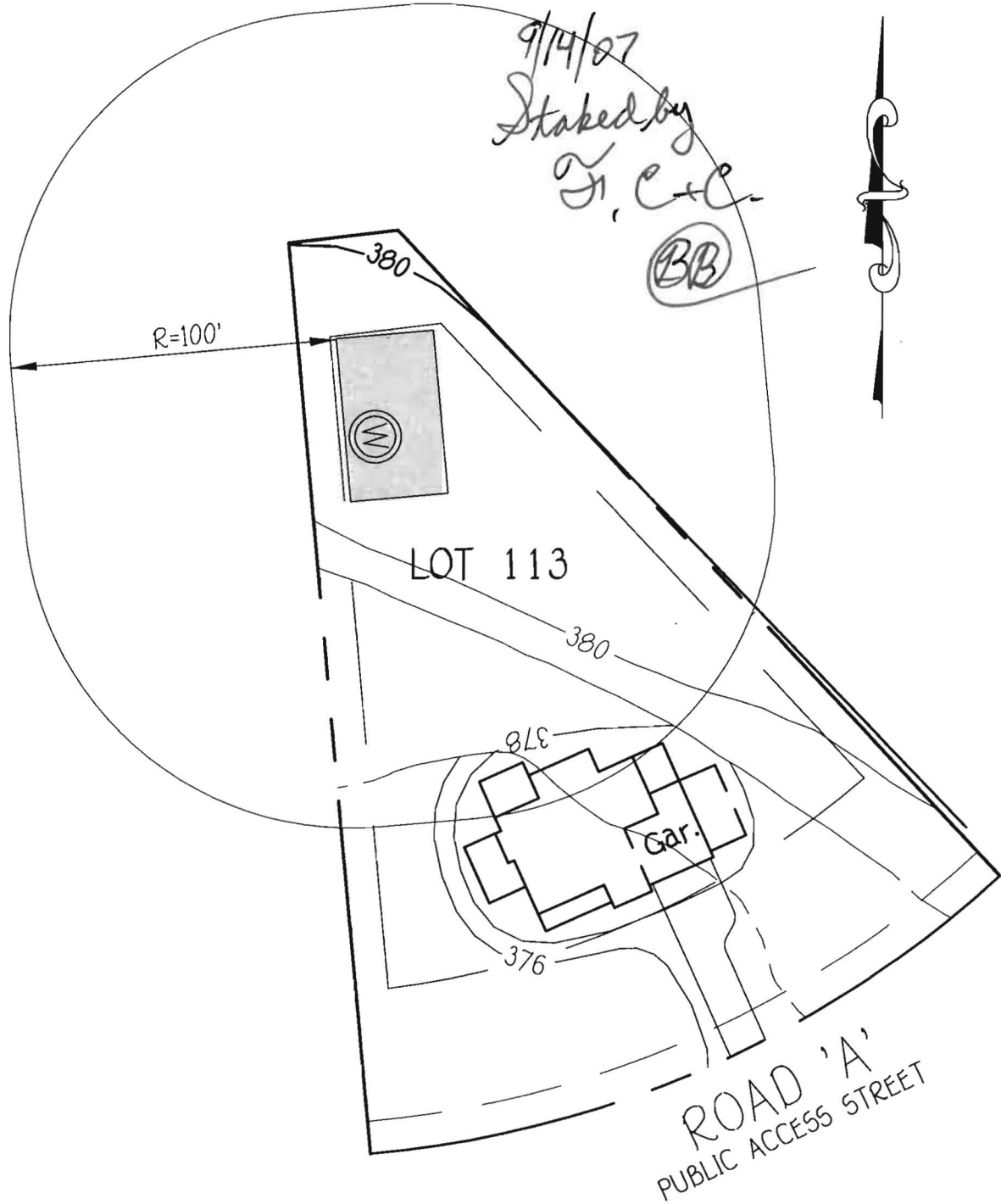
Walnut Creek	113	Road A
Subdivision/Property Name	Lot #	Road Name

The well site has been staked by Fisher, Collins & Carter, Inc.,
 (professional land surveyor or company employing professional land surveyors)
 on 08/08/07 (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



WELL LOCATION PLAN
 LOT 113
 ZONED RC-DEO & RR-DEO
 TAX MAP No. 58 GRID No. 4, 5, 10-12, 17 & 18
 PARCEL No. 49
 FIFTH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 SCALE 1"=50' DATE: JULY 27, 2007

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MARYLAND 21042
 (410) 461 - 2855



Bureau of Environmental Health
 7178 Columbia Gateway, Columbia, MD 21046-2147
 (410) 313-2640 Fax (410) 313-2648
 TDD (410) 313-2323 Toll Free 1-866-313-6300
 website: www.hchealth.org

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

RECEIVED
 FEB 27 2008

RECEIVED
 FEB 19 2008

BY:-----February 14, 2008

BY:-----

Heritage Realty and Land Development
 15950 North Avenue
 P.O. Box 482
 Lisbon, Maryland 21765

ENTERED

RE: Walnut Creek Subdivision Lot 113
 Well Tag: HO-95-1252

To Whom it May Concern:

A sample was collected from a yield test on October 10, 2007 and submitted to GPL Laboratories Inc., 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. In turn, this can provide information regarding naturally occurring radiation (i.e., Radionuclides) that may exist in your area of development within the County.

Results from this screening revealed a **Gross Alpha** of 1.0 ± 1.4 picocuries/liter (pCi/L); while the **Gross Beta** level was 2.9 ± 1.6 pCi/L. Both the **Gross Alpha** and **Gross Beta** were below the **maximum contaminant level (MCL)** of 15 pCi/L and the 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 appears safe for all uses. No additional testing for **these parameters** will be required to secure the future Use & Occupancy. However, other standard testing will still be necessary.

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,

 Bert Nixon, Director
 Bureau of Environmental Health

cc: Barry Glotfelty, MDE Water Mgmt.
 Well & Septic File

Water Testing Laboratories

P.O. Box 712
Stevensville, MD 21666
410-643-7711

of Maryland, Inc.

N V Homes
C/O Robert Feezer Co.
6321 Barnett Avenue
Sykesville, Md 21784

Reporting Date: 5/8/2017
Report #: M5056

Submitted Sample Address: 12162 Hayland Farm Way
Ellicott City, MD
Submitted Sample Source: Holding tank
Date / Time Collected: 5/3/2017 09:35 AM
Sample Type: Drinking Water
Sampler/Company: K. Lee 4827KL, WTL of MD
Field Record: Chlorine residual: Absent Clear when drawn pH: 7.7
Well Tag #: HO-95-1252

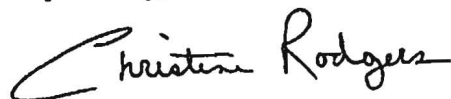
Analytical Results

Parameter	Result	Units	Report Limit	Standard	Standard Type
Total Coliform Bacteria	Absent	Coliforms/100 ml	Present/Absent	Absent	EPA Primary MCL
<i>E. Coli</i> Bacteria	Absent	Coliforms/100 ml	Present/Absent	Absent	EPA Primary MCL
Nitrate as N	3.4	mg/L	0.5	10	EPA Primary MCL
Sand	Absent	mg/L or Absent	mg/L or Absent	< 5 mg/L*	MD Well Reg.
Turbidity	0.9	NTU	0.5	< 10 NTU*	MD Well Reg.

Notes:

- Bacteriological analysis of this sample indicates this water is safe for human consumption.
- Results in **BOLD** exceed the MCL, Action Level or MD well regulation.
- Samples received and examined within EPA's recommended holding times.
- MCL - Maximum Contaminant Level
- ND - Not Detected.
- * Sand and turbidity standard for new wells - See Code of Maryland Regulations (COMAR) 26.04.04.16E(5). If sand is present, it is analyzed to determine amount of sand in mg/L.
- MCL Type -
EPA Primary: The maximum contaminant level which is the highest level of contaminant that is allowed in drinking water. Primary MCLs are enforceable standards.
EPA Secondary: Non enforceable guidelines regulating contaminants that cause cosmetic effects (such as skin or tooth discoloration) or aesthetic effects (such as taste or odor) in drinking water.
Action Level: Defined in treatment techniques which are required processes intended to reduce the level of a contaminant in drinking water.
- We certify that the analyses performed for this report are accurate, and that the laboratory tests were conducted by methods approved by the US Environmental Protection Agency and the Maryland Department of the Environment.

Reported by,



C. Rodgers, Assistant Lab Manager, Microbiology

Reviewed by: SNB

Analytical Summary Report

Client Name:	Howard County Health Department	Client Sample ID:	HO-95-1252
Receipt Date/Time:	10/12/2007	Lab Sample ID:	710092-003-003-1/1
Prepared Date/Time:		Sample Matrix:	WATER
Analysis Date/Time:	10/16/2007 1:53:00 PM	Analytical Method:	ALPHA/BETA BY METHOD 900.0

Isotope	Result	Uncertainty 2σ	MDA	Q
Gross Alpha	1.05 pCi/L	± 1.357 pCi/L	2.127 pCi/L	U
Gross Beta	2.885 pCi/L	± 1.653 pCi/L	2.372 pCi/L	

Walnut Creek Phase III - Lot 69, HO-95-1252

Adequate Grout: 5/12/2014

