

1 2 3 4 5 6
7488

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.

DATE RECEIVED
MM DD YY
8 13

DATE WELL COMPLETED
MM DD YY
2 7 08

DEPTH OF WELL
22 350 26
(TO NEAREST FOOT)

PERMIT NO.
FROM "PERMIT TO DRILL WELL"
HO-95-1378

OWNER: Bassler Alfred
STREET OR RFD: Walnut Creek TOWN: Ellicott City
SUBDIVISION: Walnut Creek SECTION: _____ LOT: 100

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	
Dirt	0	20	
Sand Stone	20	68	
Mud	68	70	
Blue Stone	70	250	✓
White Stone	250	350	✓
Hit Water	100	101	2 gal
Hit Water	330	340	23 gal

GROUTING RECORD yes no
WELL HAS BEEN GROUTED (Circle Appropriate Box) Y N

TYPE OF GROUTING MATERIAL (Circle one)
CEMENT CM BENTONITE CLAY BC

NO. OF BAGS 10 NO. OF POUNDS 120
GALLONS OF WATER 208

DEPTH OF GROUT SEAL (to nearest foot)
from 0 ft. to 80 ft.
(enter 0 if from surface)

CASING RECORD

cases types insert appropriate code below

<input checked="" type="checkbox"/> ST STEEL	<input checked="" type="checkbox"/> CO CONCRETE
<input checked="" type="checkbox"/> PL PLASTIC	<input type="checkbox"/> OT OTHER

MAIN CASING TYPE PL Nominal diameter top (main) casing (nearest inch) 6 Total depth of main casing (nearest foot) 80

80 61 63 64 66 70

OTHER CASING (if used)

EACH CASING	diameter		depth (feet)	
	inch		from	to

SCREEN RECORD

screen type or open hole (insert appropriate code below)

<input checked="" type="checkbox"/> ST STEEL	<input checked="" type="checkbox"/> BR BRASS	<input checked="" type="checkbox"/> HO OPEN HOLE
<input checked="" type="checkbox"/> PL PLASTIC	<input type="checkbox"/> PL PLASTIC	<input type="checkbox"/> OT OTHER

DEPTH (nearest ft.)

HO 81 350

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

HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.01 "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. 1 M S D L L 6 7
Frank Adams

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. 1 D

SLOT SIZE 1 _____ 2 _____ 3 _____

DIAMETER OF SCREEN (NEAREST INCH)
56 from 80 to _____

C 3

PUMPING TEST

HOURS PUMPED (nearest hour) 4

PUMPING RATE (gal. per min.) 15

METHOD USED TO MEASURE PUMPING RATE Submersible

WATER LEVEL (distance from land surface)

BEFORE PUMPING 87.9 ft.
WHEN PUMPING 84.3 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 29

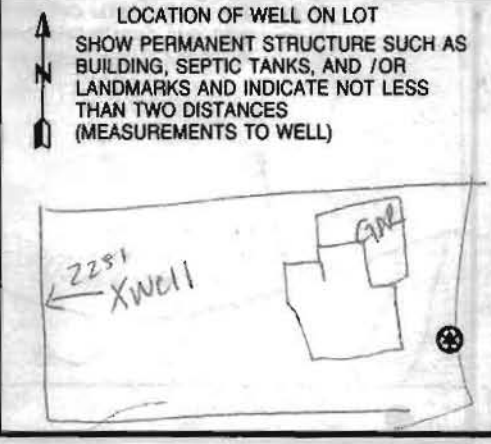
CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35

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 } (nearest foot)



GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68 _____ 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 _____

0813

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL 528433 please type

STATE PERMIT NUMBER HO-95-1378 fill in this form completely

Date Received (APA)

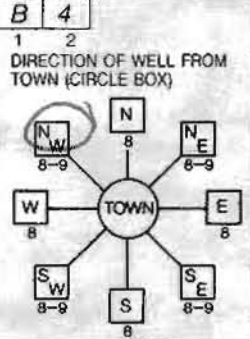
OWNER INFORMATION

Bassler Venture LLC Last Name Owner First Name 34 15550 N. AVE PO Box 482 Street or RFD 55 LISBOW MD. 21765 Town 70 State 72 Zip 76

LOCATION OF WELL Howard 8 COUNTY 21 WALNUT CREEK 23 SUBDIVISION 42 SECTION 44 46 LOT 100 48 50 CLARKSVILLE 52 NEAREST TOWN 71 MILES FROM TOWN (enter 0 if in town) 73 76 77 78

DRILLER INFORMATION

Ralph E. Mayne M SD 117 Driller's Name 76 License No. 81 Ralph E. Mayne Inc. Name 17024 Handy Rd. Mt. Airy MD. 21771 Address 2/2/08 Date



4 ROAD A 11 NEAR WHAT ROAD 30 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH WEST EAST SOUTH DISTANCE FROM ROAD 34 225 37 ENTER FT OR MI 38 39 TAX MAP: 28 BLK: 11 PARCEL 49

WELL INFORMATION 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
G GEO-THERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard 13 COUNTY NAME COUNTY NO. STATE SIGNATURE DATE ISSUED 1/9/2008 Brian Baker 1/9/2009 CO SIGNATURE EXP. DATE NORTH GRID 512 000 EAST GRID 814 000

PROXIMATE DEPTH OF WELL 150 FEET PROXIMATE DIAMETER OF WELL 6 NEAREST TOWN

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 8184 N 512

1/28/08 Sample collected @ field along w/ lot # 89 as well (Kew)

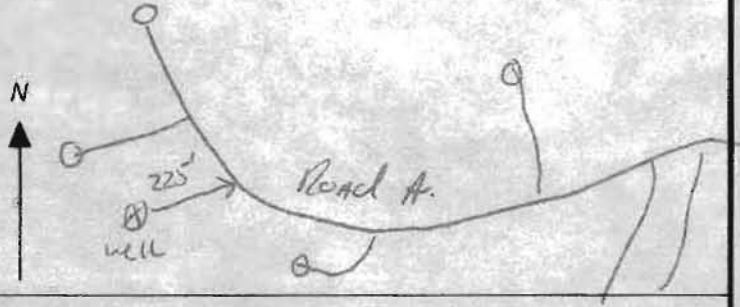
METHOD OF DRILLING (circle one)

RED (or Augered) JETTED Jettied & DRIVEN AIR-PERCussion ROTARY (Hydraulic Rotary) REVERSE-ROTARY DRIVE-POINT

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

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION



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

PROP. PERMIT NUMBER G PERMIT No. HO-95-1378

SPECIAL CONDITIONS

APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

**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 #: 410-781-4855
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# P10173

***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 #: 100 Well Tag #: HO - 95 - 1378 ✓ ⊕ 09/27/2017
Site Address: 12199 Hayland Farm Way
Ellicott City, MD 21042

Submersible Pump Data

Make: Schaefer
Model #: 7SR07S4-2W230
Pump Capacity 7 GPM
Well Yield: ?? GPM

Pitless Adapter

Make: Boshart
Model#: P-100-SS
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: ?? (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.

Joshua Henricks September 21, 2017
Signature of company representative responsible for installation date

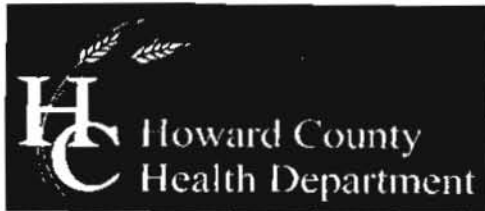
For Health Department Use Only – Not to be completed by Installer

Date Insp. Requested: 09/27/2017 Date Insp. Approved: 09/27/2017 Inspector: (Signature)
Inspection Data: Pitless adapter watertight & water supply line at least 36" below grade ✓ 36" 09/27/2017 ⊕
Two piece cap installed and attached to casing securely ✓
Elec. conduit extends at least 18" below grade/attached to cap properly ✓ 30" 09/27/2017 ⊕
Safety rope not outside of well cap/casing ✓
Correct well tag attached properly and casing 8" above finished grade ✓ 28" 09/27/2017 ⊕
Water supply line sleeved adequately at house connection ✓ 8' 09/27/2017 ⊕
Adequate grout observed below pitless adapter ✓

Ex House
09/27/2017 ⊕

Handwritten notes and scribbles at bottom left.

land farm water



Bureau of Environmental Health
7178 Columbia Gateway Drive, 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

April 25, 2008

Heritage Realty & Land Development
15950 North Ave.
P.O. Box 482
Lisbon, Md 21765

Road A

RE: Walnut Creek, Lot#100
Well Tag: HO-95-1378

To Whom It May Concern:

A sample was collected from a yield test January 28, 2008 and submitted to the Department of Health and 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. 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 2.0 ± 1.0 picocuries/liter (pCi/L); while the **Gross Beta** level was 2.0 ± 2.0 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 target 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 (potability) 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,

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

Bert Nixon, Director
Bureau of Environmental Health

cc: Barry Glotfelty, MDE Water Mgmt.

Williams, Jeffrey

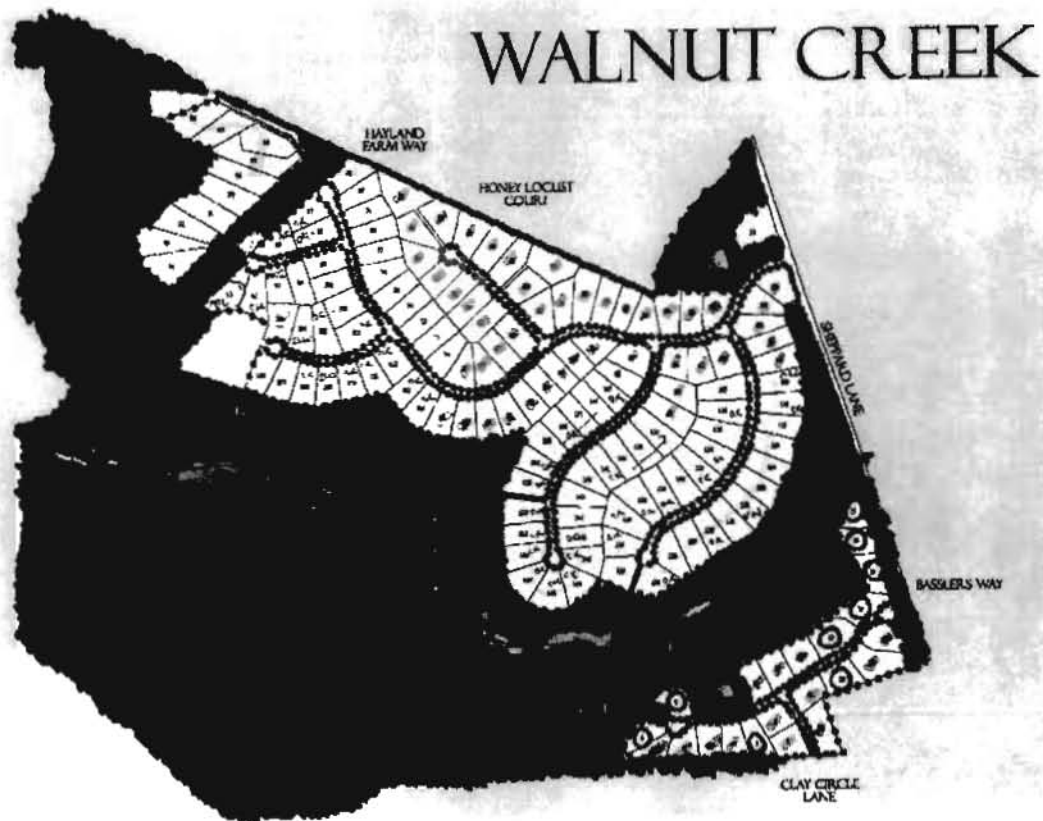
From: Williams, Jeffrey
Sent: Friday, May 16, 2014 12:16 PM
To: Tim Feaga
Subject: Walnut Creek Radium testing
Attachments: Walnut Creek radium.pdf; Walnut Creek radium_2.pdf

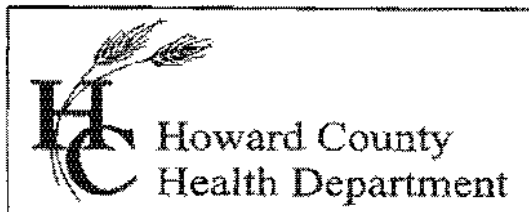
Hi Tim. I met with Bert regarding possible easement of radium testing at all lots in Walnut Creek. I've attached a map showing the additional lots that we would like to still be tested to ensure that there is not an area of concern in the remaining lots. The lots in the green cloud have been tested and passed. The lots in the red cloud are lots that we would like to be tested. The lots at the top corner (82-86, 90-94) fall within the radium testing boundary. We want the lots near the river tested to prove whether the stream is in fact acting as a natural buffer from the positive tests on the other side and the passing lots above them. Furthermore, we'd like some representative lots tested in the other section near the upper testing boundary to prove that there are no hot spots. If these are also passing, then we would likely be comfortable waiving the remaining.

We'd be happy to meet with you to discuss if you prefer. Thanks.

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

CONFIDENTIALITY NOTICE





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 – MAY 28, 2018

November 28, 2017

Homeowner
12199 Hayland Farm Way
Ellicott City, MD 21042

**RE: Walnut Creek, Lot 100
12199 Hayland Farm Way
Building Permit: B17000155
Well Permit: HO-95-1378**

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 2/28/2017. Final approval of the well line connection to the dwelling was granted on 9/17/2017. The well construction was completed on 2/7/2008. Water samples were collected on 11/6/2017.

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.

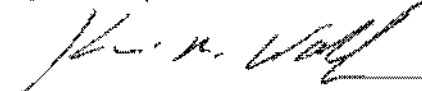
Gross Alpha and Beta samples were also collected on 1/28/2008. Results showed a Gross Alpha level of 2.0 ± 1.0 pCi/L and Gross Beta level of 2.0 ± 2.0 pCi/L. The Gross Alpha was below the maximum contaminant level (MCL) of 15 pCi/L and the Gross Beta was below the target level of 50pCi/L (roughly equivalent 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-95-1378. 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,



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

Water Testing Laboratories

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

of Maryland, Inc.

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

Reporting Date: 11/10/2017
Report #: M5646

Submitted Sample Address: Walnut Creek, Lot 100
12199 Hayland Farm Way
Ellicott City, MD

Submitted Sample Source: Holding tank-well cap intact & no devices used

Date / Time Collected: 11/6/2017 9:15 AM

Sample Type: Drinking Water

Sampler/Company: K. Lee 4827KL, WTL of MD

Field Record: Chlorine residual: Absent Clear when drawn pH: 7.5

Well Tag #: Too Muddy

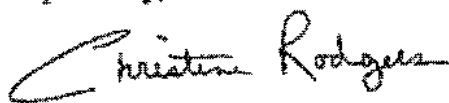
Analytical Results

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	ND	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	1.6	NTU	0.5	< 10 NTU*	MD Well Reg.

Notes:

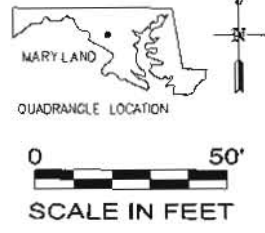
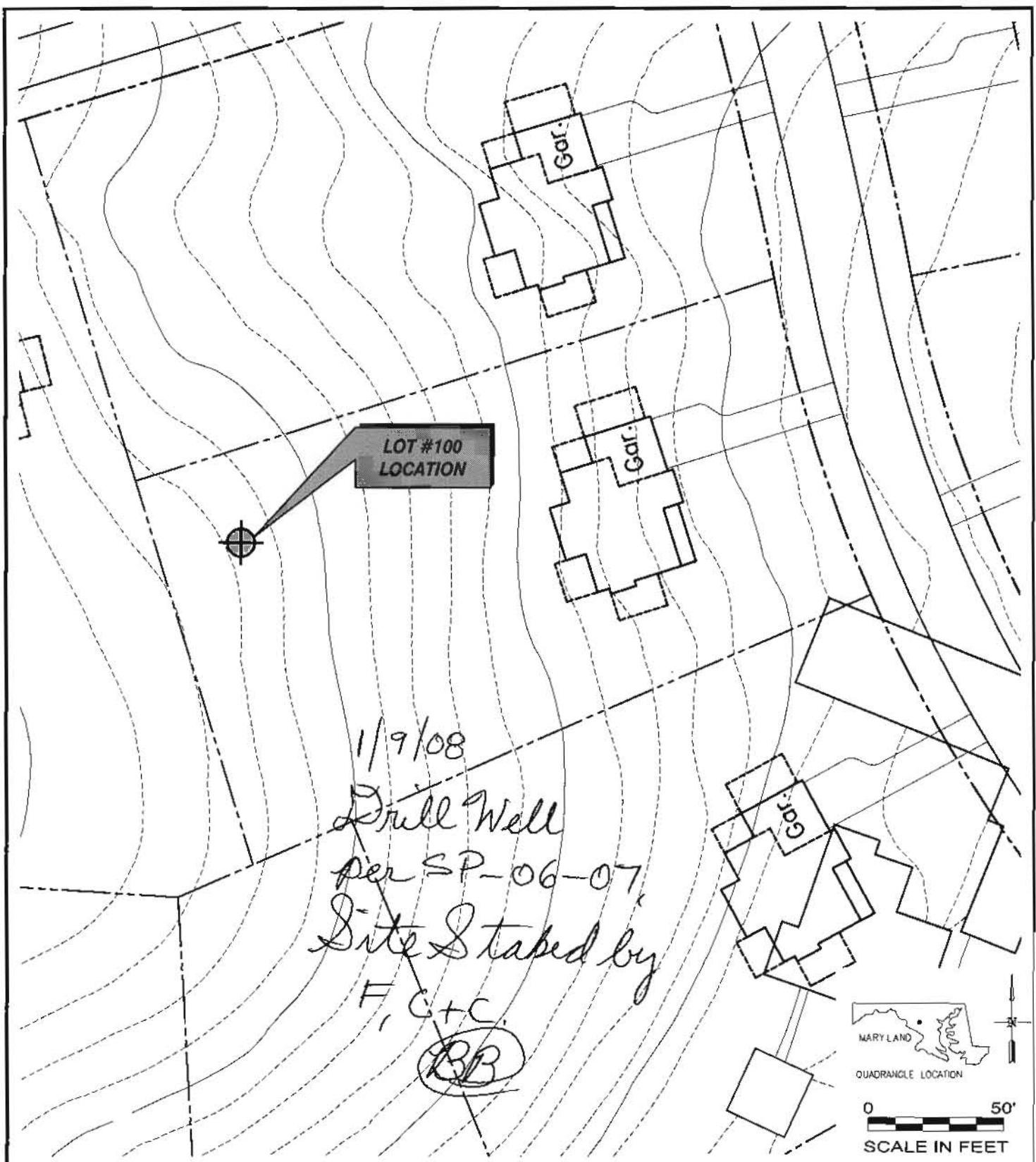
- Bacteriological analysis of this sample indicates this water is safe for human consumption.
- Results in **BOLD** exceed the MCL, Action Level or MD well regulation.
- Samples received and examined within EPA's recommended holding times.
- MCL - Maximum Contaminant Level
- ND - Not Detected.
- * Sand 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: 



NOTE: AERIAL PHOTO BACKGROUND WAS OBTAINED FROM VARGIS, LLC AND DATED MARCH 2002.

LEGEND

-  PROPOSED TEST WELL
-  PROPERTY LINE
-  TOPOGRAPHIC INDEX CONTOUR (10' INTERVAL)
-  TOPOGRAPHIC INTERVAL CONTOUR (2' INTERVAL)

WALNUT CREEK (BASSLER PROPERTY)

HOWARD COUNTY, MARYLAND

**TEST WELL SITES
LOCATION MAP**



job no.	01-1633-00-9170-700		
file no.	8095-002.dwg		
drawn	MDS	date	12/04/07
checked	JLL	date	12/04/07
approved	MDH	date	12/04/07
figure no.	D		