

Date Received (APA) 03/13/14
 8 MM DD YY 13
OWNER INFORMATION
 15 Last Name Patel Owner Bhupendra First Name 34
 36 Street or RFD 4819 Naples Avenue 55
 57 Town Beltsville 70 State MD 72 Zip 20705 76

B 3 LOCATION OF WELL
 8 COUNTY Howard 21
 23 SUBDIVISION _____ 42
 SECTION _____ LOT 14
 44 46 48 50
 52 NEAREST TOWN Highland 71

DRILLER INFORMATION
 Driller's Name Daniel Patton 76 License No. M SD163 81
 Firm Name Patton Well Drilling
 Address 6810 Cornell Road Middle River, MD 21220
 Signature Daniel Patton Date 1/18/14

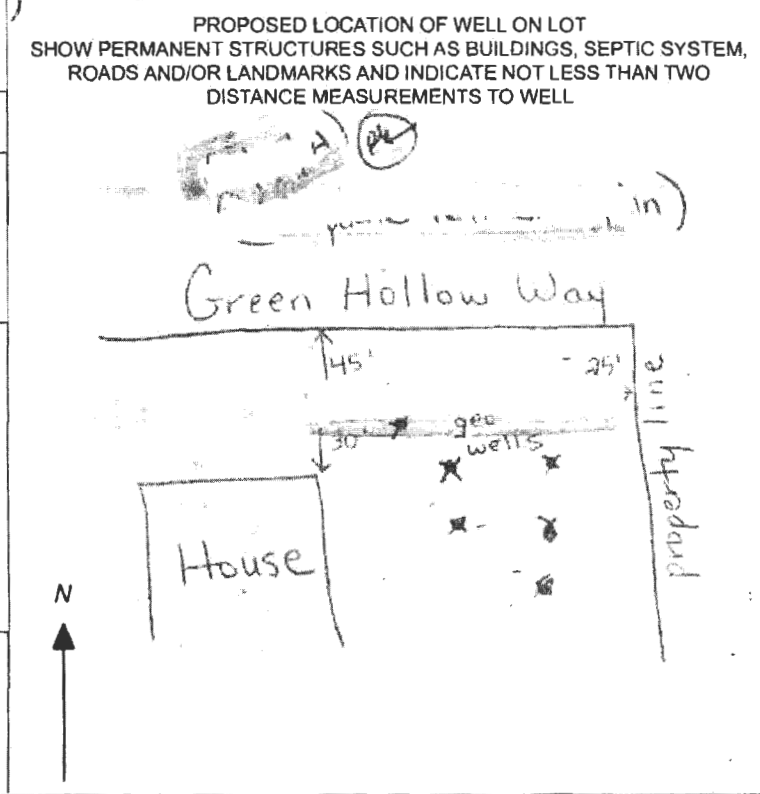
B 4 SOURCES OF DRILLING WATER
 1. _____
 2. _____
 3. _____
6831 Green Hollow Way
 11 STREET ADDRESS 30
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 NORTH WEST EAST SOUTH
 34 45 37 DISTANCE FROM ROAD FT
 ENTER FT OR MI FT 38 39
 TAX MAP: 0040 BLK: 0004 PARCEL 0044

B 2 WELL INFORMATION
 1 2 APPROX. PUMPING RATE (GAL. PER MIN.) _____
 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) _____
 14 N/A 20

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
 COUNTY NAME Howard COUNTY NO. 13
 STATE SIGNATURE _____ INSERT S → 41
 DATE ISSUED _____
 43 MM DD YY 48 CO SIGNATURE [Signature] EXP. DATE 10/24/16

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 6 wells (geobores)

APPROXIMATE DEPTH OF WELL 320 FEET
 24 28
 APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST INCH



METHOD OF DRILLING (circle one)
 BORED (or Augered) JETTED Jettied & DRIVEN
 30 AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary)
 37 CABLE REVERSE-ROTary Drive-POINT
 other _____

REPLACEMENT OR DEEPEINED 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 DEEPEIN AN EXISTING WELL
 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE) 41 _____ 52

Not to be filled in by driller (MDE OR COUNTY USE ONLY)
 APPROP. PERMIT NUMBER _____ G _____
 PERMIT No. HO-14-0125
 70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS
 NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED
 * maintain 30' setback from potable well & Ard
 © COUNTY all wells must be grouted from bottom to top.

C1 07274

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 335'

PERMIT NO. FROM "PERMIT TO DRILL WELL" MD-14-0125

OWNER Patel, WELL SITE ADDRESS 331 Green Hollow Way, TOWN Highland, SUBDIVISION, SECTION, LOT 14

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries for sandy soil, sand stone, and gray rock.

GROUTING RECORD form with fields for GROUTED status, material type (CM, BC), bags/pounds, and grout seal depth.

CASING RECORD form with fields for casing type (ST, PL, CO, OT), nominal diameter, and total depth.

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

SCREEN RECORD form with fields for screen type (ST, BR, HO, PL, OT) and depth.

PUMPING TEST form with fields for hours pumped, rate, method, water level, and pump type.

PUMP INSTALLED form with fields for driller name, pump type, capacity, and pump specifications.

NUMBER OF UNSUCCESSFUL WELLS: 2

WELL HYDROFRACTURED: YES (Y) NO (N)

CIRCLE APPROPRIATE LETTER: A (well abandoned), E (electric log), P (test well converted).

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.: MSD 163, DRILLERS SIGNATURE: [Signature]

LIC. NO.: D

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

RECEIVED stamp dated MAY 16 2016 from HOWARD COUNTY HEALTH DEPT. COMMUNITY HYGIENE PROGRAM.

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 66

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W-D

TELESCOPE CASING, LOG INDICATOR, OTHER DATA

ATITUDE 39.181620, LONGITUDE 76.966910, NOTES: list of coordinates.

DRILLER COUNTY

Baker, Brian

From: Tuder, Matt
Sent: Tuesday, August 19, 2014 2:18 PM
To: Martin, Sharhonda
Cc: Wolf, Kevin; Baker, Brian; Baucom, Scott; Bozzell, Duane; Hart, Amy
Subject: 6831 Green Hollow Way, Owings Property (Lot #3) Shared Septic

Sharhonda,

I was in the area on August 11th and show the site to Scott Baucom (Tom Pickett's replacement). We encountered Accel Plumbing and Heating preparing to work on the sewer house connection. I informed them that we needed to inspect the standpipe tie-in connection. Additionally, the Health Department would inspect the house connection from the foundation to the standpipe. Scott inspected the standpipe tie-in last week. I have not been able to find anything other than an address for this property. Do you have any information on the Builder.

Contract 50-4157-D, Lot #14

This Shared Septic system was involved with the fall of Dale Thompson Builders and has completed the dedication process. The two remaining lots will need to be monitored closely:

Lot #9 at 6822 Green Hollow Way
and 6811 Green Hollow Way (future low pressure connection)

Matt
410-313-4934 office
410-978-1320 mobile

Confirmation Report - Memory Send

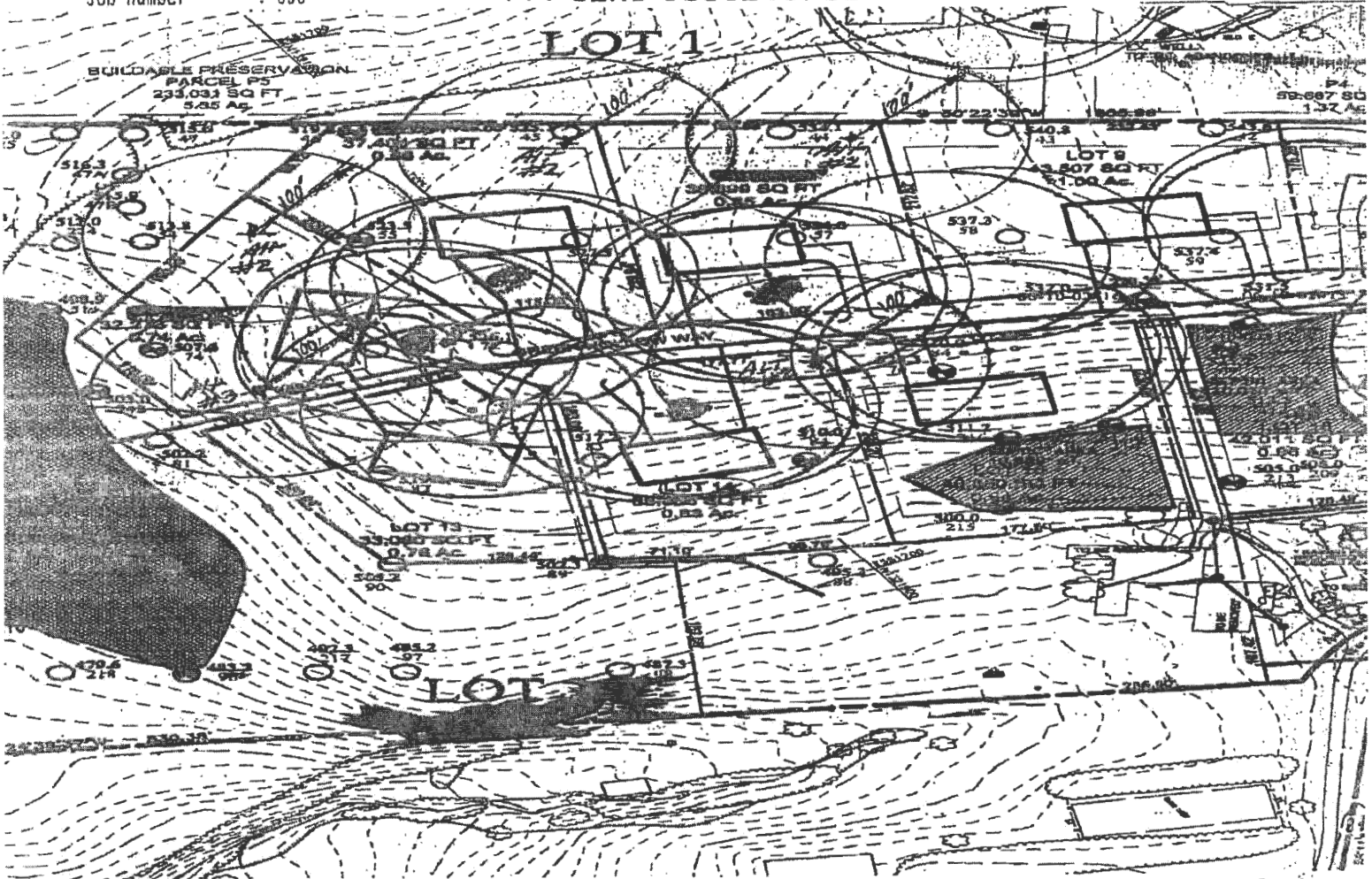
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Machine ID :

Job number : 630
Date : 20-01 02:56pm
To : 8914108750326
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Start time : 20-01 02:56pm
End time : 20-01 02:57pm
Pages sent : 001
Status : OK

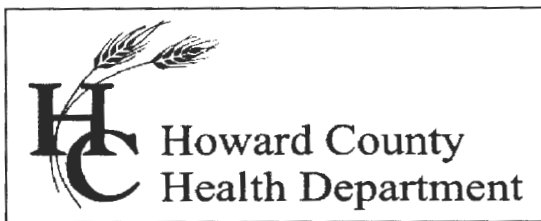
Ken Shessler
12/9/09 Telephoned to ask for
drawing (specs) Lot 14
Fixed this 12/9/09

Job number : 630

*** SEND SUCCESSFUL ***



Alternative well sites due to dry holes @ Orange Prop



Bureau of Environmental Health

8930 Stanford Blvd., Columbia, MD 21045
Main: 410-313-1771 | Fax: 410-313-2648
TDD 410-313-2323 | Toll Free 1-866-313-6300
www.hchealth.org

Facebook: www.facebook.com/hocohealth

Twitter: HowardCoHealthDep

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

TEMPORARY INTERIM CERTIFICATE OF POTABILITY
TEMPORARY DEVIATION FOR RADIUM

Expiration Date – May 27, 2017

April 12, 2017

BHUPENDRA & VARSHA PATEL
4819 NAPLES AVE
BELTSVILLE MD 20705

**RE: HARWOOD W OWINGS PROPERTY
6831 GREEN HOLLOW WAY
Building Permit: B13001437
Well Permit: HO-94-3680**

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 **8/14/2014**. Final approval of the well line connection to the dwelling was granted on **8/15/2014**. The well construction was completed on **8/5/2003**. Water samples were collected on **4/3/2017**.

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 collected on **4/3/2017**. Results showed a Gross Alpha level of **27 ± 1.2 pCi/L** and Gross Beta level of **20 ± 2.0 pCi/L**. **This exceeds the maximum contaminant limit (MCL) of 15 pCi/L for Gross Alpha.**

This is a **temporary deviation** to allow additional time for installation of a radionuclide removal system and/or submission of water sample results indicating that the treated water meets EPA recommendations.

This Department will grant a **temporary deviation** to the Interim Certificate of Potability on condition that water sample results for pre- and post-treatment short term and long term gross alpha/beta and radium 226/228 are submitted to this Department **within 45 days**. Those results must indicate that the radionuclide removal system is effectively maintaining a Gross Alpha level of less than **15 pCi/L**, a Gross Beta level of less than **50 pCi/L**, and a Radium 226/228 level of less than **5 pCi/L**.

Furthermore, it will be necessary for you to comply with the following conditions:

1. The system must be properly operated and maintained continuously in accordance with the service contract for the life of the residence.
2. It is recommended that a Maryland certified water laboratory certified for radionuclide analysis perform a yearly radionuclide analysis.
3. If you decide to sell or rent your home in the future, you must make any potential buyer/tenant aware of this deviation. **A person who fails to make this disclosure is subject to the penalties set out in COMAR 26.04.04.12F Enforcement and Environment Article 9-1311, Annotated Code of Maryland.**

This Temporary Interim Certificate of Potability will expire 45 days from the date of issuance. **Failure to submit the required radium sample results and obtain an Interim Certificate of Potability before the expiration date 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 water sample appointment or contact a Maryland 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,

Hank Oswald

Hank Oswald, L.E.H.S.
Well & Septic Program

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

ENVIRONMENTAL TESTING LAB, INC - CHAIN OF
ANNAPOLIS

410-224-4304

FAX 443-926-0586

410-224-4304



148262

Client: Amerispec

Project:

Date Due: 4/6/2017

Company Name, Address Phone & Fax

Testing Addr

Amerispec

6831 Green Hollow way
 STREET
 Highland MD 20777
 CITY STATE ZIP

Send Report By: Fax Postal Service Email

THIS FORM WILL BE ATTACHED AS A PERMANENT PART OF YOUR FINAL REPORT

FIELD COLLECTION INFORMATION

Collected: Date 4-3-17 Time 0920 Well Tag #: NO Tag on well
 Collectors Name: John Francis Certification # 9214JF Expires 9-25-17
 Collectors Signature: [Signature] Circle One: PRIVATE WELL or CITY WATER
 pH: 6.51 Chlorine, Total mg/L: 0.0 Results for U & O Permit? YES NO Sample Clear when drawn? YES NO
 Sand present? YES NO If "YES" submit one liter of sample to lab for testing
 Sample Tap Bacteria: 1st floor 1/2 bath sink Chemicals: 1st floor 1/2 bath sink Lead:

Bacteriological Test Next Day 11:30 Next Day 3:30 X 2 Day
 FULL Chemical Analysis (Iron, Nitrite/Nitrate, Turbidity, Lead) Next Day 2 Day 3 Day
 BASIC Chemical Analysis (Iron, Nitrite/Nitrate, Turbidity) Next Day 2 Day X 3 Day
 Lead Arsenic Next Day 2 Day 3 Day
 Cadmium 2 Day 4 Day 6 Day
 Radium Gross Alpha X One Week 2 Week

Special Instructions: Radium Gross Beta

Released By: [Signature] Date: 4-3-17 Time 1535 Received By:
 Released By: Date: Time Received By:

(*) TAT: is by Close of Business; Samples for chemical analysis received at 1:30 or later cannot be guaranteed "Next Day" results. TAT's are a good faith estimate and are not guaranteed.

LABORATORY SAMPLE RECEIPT INFORMATION

Samples Delivered on ICE: YES NO N/A Add Qualifiers: Non-Certified Holding Time Sample Volume Frozen
 Received in LAB By: [Signature] Date: 1610 Time 4-3

Environmental Testing Lab, Inc.

CASE NARRATIVE

For those not familiar with reading a laboratory report and putting the result(s) into a more meaningful light the following information may assist you in making any decisions based on the results of the sample(s) submitted for analysis.

Qualifiers – A note added to a result to provide the end user with additional information about the result or how it was obtained.

X = Parameter does NOT meet EPA Primary/Secondary Guidelines for Drinking Water.

BLANK (no qualifier) = Parameter DOES meet EPA Primary/Secondary Guidelines for Drinking Water.

RL- Reporting Limit this is the lowest concentration of parameter that we can detect.

ND – Not Detected, see RL

Maximum Contaminate Level - The EPA establishes a (MCL) which is the “highest level of a contaminate that is allowed in drinking water”

The U.S. Environmental Protection Agency (EPA) publishes the National Primary Drinking Water Standards which are divided into two categories'. **Primary Contaminates** which are health related, and for a “public” water systems, enforceable. These are identified with a “P” in the table. **Secondary Contaminates** are non-health related and non-enforceable, they may cause cosmetic and/or aesthetic effects and are identified with an “S”. Some parameters are unregulated and are identified with a “U”.

This table is not an official EPA document, it is intended to provide the user with some perspective and it is assumed the water is from a privately owned well.

Parameter	MCL mg/L	Type	Effects	Sources	Treatment (1)
Coliforms Total Fecal/E coli	Absent	P	Not a health threat itself used to indicate whether other potentially harmful bacteria may be present	Naturally present. Fecal coliforms & E. coli only come from human & animal waste.	Chlorinate the well. Install Chemical feeder or U/V light.
Arsenic	0.010	P	Skin damage, circulatory system problems, increased risk of cancer	Natural deposits	Reverse Osmosis (R/O). Ion exchange
Cadmium	0.005	P	Kidney damage	Natural deposits, galvanized pipes,	Reverse Osmosis (R/O).
Lead	0.015	P	Infants/children-developmental delays. Adults kidney problems & high blood pressure	Corrosion of household plumbing	Reverse Osmosis pH correction, pipe replacement
Nitrate+Nitrite-N	10	P	Infants less than 6 mo's can become Seriously ill.	Runoff from fertilizer, leaching from septic tanks, naturally occurring	Reverse Osmosis (R/O). Ion exchange
Radium Gross Alpha	5 pCi/L Note 2	P	Increased risk of cancer	Erosion of natural deposits	Reverse Osmosis Water Softener
Radium 226 + 228	5	P	Increased risk of cancer	Erosion of natural deposits	Reverse Osmosis Water Softener
Iron	0.3	S	Possible staining on plumbing fixtures and laundry	Naturally Occurring	Water Softener
pH	6.5-8.5	S	Water is acidic or basic	Naturally Occurring	Neutralizer
Turbidity (3)	10 NTU	S	Interferes with filtration	Naturally Occurring	Contact a Well Driller

NOTES:

- 1) The Treatment Column is from information provided from various water treatment companies that do business with us. More information is available from epa.gov/safewater.
- 2) If Gross Alpha is between 5-15 pCi/L test for Radium 226/228. If Gross Alpha is above 15 pCi/l consider water treatment equipment.
- 3) Turbidity is a parameter that is continuously monitored at a water treatment plant. Privately owned wells do not have a turbidity MCL. Local Health Departments have used 10 NTU as a level at which if exceeded, and not because of high iron, the well itself may need repair.