

C1 05856

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

1 2 3 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

COUNTY NUMBER

ST/CO USE ONLY DATE RECEIVED MM DD YY

DATE WELL COMPLETED MM DD YY

Depth of Well 22 200 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-95-2461

OWNER: TOLL Brothers; WELL SITE ADDRESS: 11271 Independence way; TOWN: ELICOTT CITY; SUBDIVISION: Homewood Crossing; SECTION: ; LOT: 89

WELL LOG Not required for driven wells

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

Table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Rows include Brown Loamy, Fracture, Dark Brown Loamy, Gray Limestone, white, Gray Limestone, white, Gray Limestone.

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED YES NO Y N

CIRCLE APPROPRIATE LETTER A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED

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. 1 M S D 009; DRILLERS SIGNATURE: Allen C...; LIC. NO. 1 D

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

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box) YES NO Y N; TYPE OF GROUTING MATERIAL (Circle one) CEMENT CM BENTONITE CLAY BC; NO. OF BAGS 55 NO. OF POUNDS 5170; GALLONS OF WATER 330; DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 3.2 ft.

CASING RECORD

MAIN CASING TYPE ST Nominal diameter top (main) casing (nearest inch) 06 Total depth of main casing (nearest foot) 54

OTHER CASING (if used) diameter inch depth (feet) from to

SCREEN RECORD

screen type or open hole ST BR HO; insert appropriate code below

DEPTH (nearest ft.)

Table with columns: 1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 15, 17, 21, 23, 24, 26, 30, 32, 36, 38, 39, 41, 45, 47, 51. Values: HO 54 200

DIAMETER OF SCREEN (NEAREST INCH) 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 TELESCOPE CASING LOG INDICATOR OTHER DATA

C 3

PUMPING TEST

HOURS PUMPED (nearest hour) 03; PUMPING RATE (gal. per min.) 4.6; METHOD USED TO MEASURE PUMPING RATE 190C; WATER LEVEL (distance from land surface) BEFORE PUMPING 25 ft. WHEN PUMPING 102 ft. TYPE OF PUMP USED (for test) A air P piston T turbine C centrifugal R rotary O other J jet S submersible

PUMP INSTALLED

DRILLER INSTALLED PUMP 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 below 02 (nearest foot)

LATITUDE 39.2360878 LONGITUDE 76.9056931 (DEFAULT COORD. WGS 84) NOTES:

B 1 09363

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL

STATE PERMIT NUMBER

HO-95-2461 fill in this form completely

54471-G please type

Date Received (APA)

12 19 12

OWNER INFORMATION

Toll Brothers, 11423 Hunt crossing ct, Ellicott City md 21042

LOCATION OF WELL

Howard County, Homewood crossing, Ellicott City

DRILLER INFORMATION

Allen Compton, MS D 009, Eagles Well Drilling, LLC, P.O. Box 202 Woodbine, md 21797

SOURCES OF DRILLING WATER

11271 Independence way, ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX), DISTANCE FROM ROAD 200, TAX MAP: 0029, BLK: 0009, PARCEL: 0028

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, 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, STATE SIGNATURE, DATE ISSUED 1/9/13, CO SIGNATURE, EXP. DATE 1/9/14

APPROXIMATE DEPTH OF WELL 300 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one)

- Bored (or Augered), Jetted, Jetted & Driven, Air-Rotary, Air-PerCussion, Rotary (Hydraulic Rotary), Cable, 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 deepen 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 2003 G006

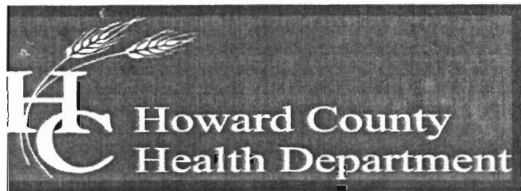
PERMIT No. HO-95-2461

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 Needed @ Yield.



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

Facebook: www.facebook.com/hocohealth

Maura Rossman, M.D., Health Officer

October 10, 2013

Toll Brothers Inc.
Toll MD III Limited Partnership
7164 Columbia Gateway Drive
Columbia, Maryland 21046

RE: Homewood Crossing Lot 89
Independence Way
Well Tag: HO - 95 - 2461

To Whom it May Concern:

A sample was collected during a yield test on April 16, 2013 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 4.2 ± 1.5 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 black ink that reads 'Bert Nixon'.

Bert Nixon, Director

Bureau of Environmental Health

Enclosure

cc: Well & Septic property file

Toll Bros., Inc

VAMD Regional Office
(571) 291-8000

Check No. - 1072095

Check Date - 06/07/13

Stub 1 of 1

| INVOICE NO | INVOICE DATE | COMMENT | GROSS | DEDUCTIONS | AMOUNT PAID |
|------------|--------------|---------|-------|------------|-------------|
| 2013-009 | 051013 | | 45.00 | | 45.00 |

Toll Bros., Inc

VAMD Regional Office
(571) 291-8000

Capital One, N.A.,
Franklin, Louisiana

CHECK NO. 01072095

84-72
852

| VENDOR NO. | CHECK DATE | CHECK AMOUNT |
|------------|------------|--------------|
| 36820 | 06/07/13 | \$*****45.00 |

** INVALID SIX MONTHS AFTER DATE ISSUED **

PAY
FORTY FIVE AND 00/100 *****

TO THE ORDER OF: DIRECTOR OF FINANCE
HOWARD COUNTY
3430 Court House Rd
Ellicott City MD 21043

⑈01072095⑈ ⑆065200722⑆ 54 20⑈5190 6⑈

10/10/13
COPY OF THIS
SUPPLIED EARLY OCT 2013
H.D. DID NOT HAVE RECORD

**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: Eagles Well Drilling LLC Telephone #: 443-609-4195
Address: PO Box 202
Woodbine, MD 21797

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer

License # and name of individual responsible for the field installation:

Name (Print): Allen Compton License# MSD 009

*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: Toll Brothers Telephone #: 410-489-7407
Subdivision: Benedict Farm / Patuxent Creek Lot #: 89 Well Tag #: HO-95-2461 ✓
Site Address: 11271 Independence way
Ellicott City, MD 21042

Submersible Pump Data

Make: Grundfos
Model #: 155QE07-180
Pump Capacity: 7 GPM
Well Yield: 4.6 GPM

Pitless Adapter

Make: Campbell
Model #: N/A
Depth: 36" (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: 200' (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: 1" poly pipe
PSI: 160 (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): 5'
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: Allen Compton date: 6-6-13

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

Date Insp. Requested: _____ Date Insp. Approved: 6/7/13 Inspector: (RWD)
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 ✓

EXISTING FOREST CONSERVATION
EASEMENT 1 AND "SYM NATURAL AREA
CONSERVATION CREDIT EASEMENT
PLAT NO. 17685-17691

S77°31'00"W
123.84'

NON-BUILDABLE
PRES. PARCEL 'K'

S14°21'09"W
208.37'

N20°56'14"W
125.95'

PLAT No. 18244

20" SEPTIC
SETBACK

BUILDABLE
PRES. PARCEL 'N'
LOT 89
1.588 ac.

ALT. WELLS

INITIAL WELL

1913
Well Site
Approved by ESE

S04°31'33"W
58.59'

N52°25'30"W
213.38'

565.68'
N87°04'56"E

LOT 58
43,761 S.F.

LOT 57

DO NOT REMOVE THIS TAG
DEPARTMENT OF THE ENVIRONMENT
WELL PERMIT NUMBER

H0-95-2461

INFORMATION-GIVE NUMBER AND WRITE
1800 WASHINGTON BLVD.
BALTIMORE, MARYLAND 21230

WELL EXHIBIT DRAWING
LOT #89

HOMWOOD CROSSING

LIBER 9808, FOLIO 204

PLAT No. 18244

FIFTH ELECTION DISTRICT

HOWARD COUNTY, MARYLAND



Land Planning
Engineering
Land Surveying

ESE Consultants Inc.
7164 Columbia Gateway Dr.
Suite 203
Columbia, MD 21046
TEL: 410-872-9105
FAX: 410-872-4870

DATE: 01/08/2012

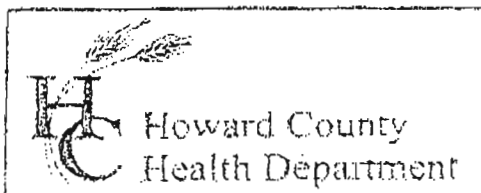
SCALE: 1"=50'

FILE: LOT #89 EXHB. DWG

CHK'D: M.I.R

IOR#: 1214

DRAWN: CFR



3525 H Ellicott Mills Drive, Ellicott City, MD 21043
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

Penny E. Borenstein, M.D., M.P.H., Health Officer

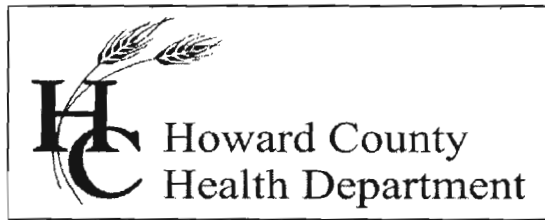
TO ALL INTERESTED PARTIES

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

- The well site has been staked by ESE Consultants
(professional land surveyor or company employing professional land surveyors)
on 12-10-12 (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 6/10/03



Bureau of Environmental Health

7178 Columbia Gateway Drive, Columbia, MD 21046-2147

Main: 410-313-6300 | Fax: 410-313-6303

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

INTERIM CERTIFICATE OF POTABILITY

Expiration Date – APRIL 4, 2014

October 4, 2013

Homeowner
11271 Independence Way
Ellicott City, MD 21042

**RE: Homewood Crossing, Lot 89
11271 Independence Way
Building Permit: B12003827
Well Permit: HO-95-2461**

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 **7/24/2013**. Final approval of the well line connection to the dwelling was granted on **6/7/2013**. The well construction was completed on **4/15/2013**. Water samples were collected on **9/9/2013, 9/16/2013, and 9/21/2013**.

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.

Radium-226 and Radium-228 samples were also collected on **9/9/2013**. Results showed a **Radium-226** level of **0.5 pCi/L** and **Radium-228** level of **<0.8 pCi/L**. The **Radium 226/228** level was less than the Maximum Contaminant Level (MCL) of **5 pCi/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-95-2461. 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,



Robert Bricker, REHS/R.S.
Environmental Sanitarian
Well & Septic Program

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

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 #: 90911 Account #: 1930
Reference: Toll Brothers Lot 89 Company: Fogle's Well Drilling
Location: 11271 Independence Way Requested By: Dave Fogle
Ellicott City, MD 21042 Source: Well Water
Date/ Time Collected: 9/9/2013 1240 Site: Pressure Tank
Date/Time Rec'd: 9/9/2013 1440 Treatment: None
Chlorine ppm: Free: ND Total: ND pH: 6.1
Collected By: J. Fogle 1974JF Well #: HO-95-2461

| PARAMETERS | RESULTS | UNITS | REFERENCE | METHOD | DATE/TIME/ANALYST |
|------------|---------|-------|-----------|--------|------------------------|
| Radium-226 | 0.5 | pCi/L | **** | 903.1 | 9/17/2013 / 0950 / MJN |
| Radium-228 | <0.8 | pCi/L | **** | Ra-05 | 9/17/2013 / 1115 / SN |

Sum < 1.3 pCi/L
'OK' verB 10/4/13

NOTES

- 1 ****Radium 226 and Radium 228 combined have a reference of 5 pCi/L
- 2 pCi/L = picocuries per liter
- 3 Radium 226 Detection Limit: 0.2 pCi/L; Radium 228 Detection Limit: 0.8 pCi/L
- 4 Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- 5 Sub-contracted to Reference Lab #278
- 6 ND:None Detected
- 7 pH and Chlorine level tested in lab
- 8 Sample collected by client, analyzed as received

Reason for Test : Use & Occupancy
Building Permit # : B12003827

Date Reported: 9/20/2013

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 #: 91114 Account #: 1930
Reference: Toll Brothers Lot 89 Company: Fogle's Well Drilling
Location: 11271 Independence Way Requested By: Dave Fogle
Ellicott City, MD 21042 Source: Well Water
Date/ Time Collected: 9/20/2013 1047 Site: Pressure Tank
Date/Time Rec'd: 9/20/2013 1250 Treatment: None
Chlorine ppm: Free: ND Total: ND pH: 6.1
Collected By: J. Fogle 1974JF Well #: HO-95-2461

| PARAMETERS | RESULTS | UNITS | REFERENCE | METHOD | DATE/TIME/ANALYST |
|--------------------------------|---------|-------------|-----------|-----------|--------------------------|
| Bacteria, Coliform, Total, MPN | ✓ <1.0 | MPN/ 100 ml | <1.0 | SM18 9223 | 9/21/2013 / 1030 / CCH ✓ |
| Bacteria, E. coli, MPN | ✓ <1.0 | MPN/ 100 ml | <1.0 | SM18 9223 | 9/21/2013 / 1030 / CCH |

*Bacteria OK
9/24/13 HS*

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 ND:None Detected
- 4 Sample collected by client, analyzed as received
- 5 pH tested in lab, chlorine level tested on site

Reason for Test : Use & Occupancy
Building Permit # : B12003827

Date Reported: 9/23/2013

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 #: | 91004 | Account #: | 1930 |
| Reference: | Toll Brothers Lot 89 | Company: | Fogle's Well Drilling |
| Location: | 11271 Independence Way Ellicott City, MD 21042 | Requested By: | Dave Fogle |
| Date/ Time Collected: | 9/16/2013 1117 | Source: | Well Water |
| Date/Time Rec'd: | 9/16/2013 1325 | Site: | Pressure Tank |
| Chlorine ppm: | Free: ND Total: ND | Treatment: | None |
| Collected By: | J. Fogle 1974JF | pH: | 6.0 |
| | | Well #: | HO-95-2461 |

| PARAMETERS | RESULTS | UNITS | REFERENCE | METHOD | DATE/TIME/ANALYST |
|--------------------------------|------------------|-------------|-----------|-----------|------------------------|
| Bacteria, Coliform, Total, MPN | 4.2 X | MPN/ 100 ml | <1.0 | SM18 9223 | 9/17/2013 / 0800 / CCH |
| Bacteria, E. coli, MPN | <1.0 | MPN/ 100 ml | <1.0 | SM18 9223 | 9/17/2013 / 0800 / CCH |

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 ND:None Detected
- 4 Sample collected by client, analyzed as received
- 5 pH tested in lab, chlorine level tested on site

Reason for Test : Use & Occupancy

Building Permit # : B12003827

Date Reported: 9/17/2013

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 #: 90910 Account #: 1930
Reference: Toll Brothers Lot 89 Company: Fogle's Well Drilling
Location: 11271 Independence Way Requested By: Dave Fogle
Ellicott City, MD 21042 Source: Well Water
Date/ Time Collected: 9/9/2013 1240 Site: Pressure Tank
Date/Time Rec'd: 9/9/2013 1440 Treatment: None
Chlorine ppm: Free: ND Total: ND pH: 6.1
Collected By: J. Fogle 1974JF Well #: HO-95-2461

| PARAMETERS | RESULTS | UNITS | REFERENCE | METHOD | DATE/TIME/ANALYST |
|--------------------------------|---------|-------------|-----------|--------------------|------------------------|
| Bacteria, Coliform, Total, MPN | 1.0 | MPN/ 100 ml | <1.0 | SM18 9223 | 9/10/2013 / 0930 / CCH |
| Bacteria, E. coli, MPN | ✓ <1.0 | MPN/ 100 ml | <1.0 | SM18 9223 | 9/10/2013 / 0930 / CCH |
| Nitrate | ✓ 1.06 | mg/L | 10 | 601 | 9/10/2013 / 0945 / BCD |
| Turbidity | ✓ 9.49 | NTU | <10 | SM18 2130B | 9/10/2013 / 0815 / JKW |
| Sand | ✓ NS | mg/L | 5 | Visual/Gravimetric | 9/10/2013 / 0829 / JKW |

*Bacteria - need retest
Rest, OK 9/24/13 HFS*

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 NS = None Seen (NS indicates less than 5 mg/L)
- 4 NTU = Nephelometric Turbidity Units
- 5 Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- 6 ND:None Detected
- 7 Sample collected by client, analyzed as received
- 8 pH tested in lab, chlorine level tested on site

Reason for Test : Use & Occupancy
Building Permit # : B12003827

Date Reported: 9/10/2013