SEQUENCE NO.	OTATE OF	MARYLAND	STATE PERMIT NUMBER		
B 1 (MDE LISE ONLY)	STATE OF MARYLAND		110 0- 0011		
1, 2 3 .6	APPLICATION FOR PERMIT TO DRILL W.		70 70 179		
	524353 pleas	IIII III this form completely			
Date Received (APA),		B 3	LOCATION OF WELL		
03 15 06 OWNER INFOR	RMATION	S COUNTY OUR	vo 21		
8 MM DD YY 13		8 COUNTY	01 60 0		
1 Joll Drothers	First Name 34	23 SUBDIVISION	Ct Farm		
15 Last Name Owner	PISCIVAINE 34		27		
14364 10061001 36 Street of RFD	C. KO 55	SECTION 44 46	LOT 48 50		
Classic and and	727	(- L-0		
57 Town 70 State	72 Zip 76	52 NEAREST TOWN	7DICC 71		
DRILLER INFORMATION			3 411		
Gallon Consoles	150m9.	MILES FROM TOWN (ente	r 0 if in town) M 1 73 76 77 78		
Driller's Name 76	6 License No. 81	B 4			
- Emper Libil Dri	Ilina	1 2 DIRECTION OF WELL FROM	Valley View Dierbox		
Firm Name	muy	TOWN (CIRCLE BOX)	11 NEAR WHAT ROAD 30		
, 580 strenh Pd		ON TO	ON WHICH SIDE OF ROAD		
Address			(CIRCLE APPROPRIATE BOX)		
111/1/	3-14-06	8-9	W 22 E WEST S EAST		
Signature	Date	W(TOWN)E	3034 200 37 SOUTH		
B 2 WELL INFORMATION	5	8	DISTANCE FROM ROAD		
1 2 APPROX. PUMPING RATE — (GAL. PER MIN.)	8 12	SW SE	ENTER FT OR MI 38 39		
AVERAGE DAILY QUANTITY NEEDED	500	8-9 S 8-9	TAX MAP: 39 BLK: 9 PARCEL 28		
(GAL. PER DAY) 14	20	8			
USE FOR WATER (CIRCLE AP	PROPRIATE BOX)) BE FILLED IN BY DRILLER I DE <u>PA</u> RTMENT APPROVAL		
DOMESTIC POTABLE SUPPLY & RESIDEN	NTIAL	11	(12) AFIFALIA		
IRRIGATION		Howard	(13) A5/5042 COUNTY NO.		
FARMING (LIVESTOCK WATERING & AGR	ICULTURAL	COUNTY NAME STATE	COUNTY NO.		
	JG	SIGNATURE	INSERT S 41		
integer runte, commence a que		DATE ISSUED	2. B.1. 2/12/2004		
P PUBLIC WATER SUPPLY WELL		43 MM DD YY 48	CO SIGNATURE EXPLOATE		
T TEST, OBSERVATION, MONITORING		NORTH #11	EAST 00/		
G GEO-THERMAL		GRID 50 0	0 0 GRID 63		
		CHOW MA JOD SEATURES	0.05		
2~	1	SHOW MAJOR FEATURES BOX & LOCATE WELL '-			
APPROXIMATE DEPTH OF WELL 24	FEET 28	WITH AN X	VE		
	NEAREST	SOURCES OF DRILLING V	\\a/		
APPROXIMATE DIAMETER OF WELL	INCH	2.	CH 108 80		
METHOD OF DRILLING	(circle one)	3.	100		
BORED (or Augered) JETTED	Jetted & DRIVEN		6		
20	ROTARY (Hydraulic Rotary)	WRITE THE BOX NUMBER			
3/7 CABLE REVerse-ROTary	DRive-POINT	FROM THE MAP HERE			
other					
REPLACEMENT OR DEEPE	ENED WELLS	E 826	000		
(CIRCLE APPROPRIATE		1 60 1	000		
N THIS WELL WILL NOT REPLACE AN EXIST	ING WELL	N 5101			
THIS WELL WILL REPLACE A WELL THAT	WILL BE	DRAW A SKETCH BELOW	SHOWING LOCATION OF WELL IN		
ABANDONED AND SEALED			OWNS AND ROADS AND GIVE O NEAREST ROAD JUNCTION		
39 S THIS WELL WILL REPLACE A WELL THAT I		DIGITATION THOW WELL I	S ILE HEST HOLD SUITON		
FOR POLICY ON STANDBY WELLS			1820		
D THIS WELL WILL DEEPEN AN EXISTING W	ELL		He Pike leave		
PERMIT NUMBER OF WELL TO BE REPLACED O		N 16V	IR VIKE		
(IF AVAILABLE) 41		A sade			
Not to be filled in by driller (MDE OR C	COUNTY USE ONLY)	CA			
4000	030006	4			
APPROP. PERMIT NUMBER # 0.20	03G006	/			
40	-95-0211	1			
PERMIT No. 70 71 7	2 73 74 75 76 77 78 79	/			
SPECIAL CONDITIONS			₩		
NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED =					

age of	Review	
age,		
_ 1 _		

FIELD DATA SHEET HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 95-0311 Location of property (road) Valley View Overlook Subdivision Benedict Farm Lot 32 Block Plat Sec.	
Well Driller Fogles (Compton Owner Toll Brothers Depth of well 205 Distance of measuring point (M.P.) above ground 2 Static water level (S.W.L.) below M.P. 45	
I. High rate pumping reservoir drawdown Time pump started 8.00 Pumping rate 12 Total time 15 mills to reach pumping water level 70 ft. below M.P.	

II. Recovery pump test data - observations to be recorded every 15 minutes

TIME (in 15 minute in- tervals	WATER LEVEL below M.P.	PUMPING RATE time to fill \$ gallon bucket	FLOW METER READING (if used)	CAICULATED FLOW (gallons per minute)
8:00	45	5		12
8:15	70	14		4.2
8:30	70	14		4.2
8:45	70	14		4.2
9:00	70	14		4.2
9:15	70	14		4.2
9:30	70	14		4.2
9:45	70	14		4.2
10:00	70	14		4.2
10:15	70	14		4.2
10:30	70	14		4.2
10:45	70	14		4.2
11:00	70	14		4.2
11:15	70	14		4.2
4				
			E-1200 A ST. 1 T. 100 A ST. 100	
		I COMPANIE DE LA COMP		

C11 (MDE USE ONLY)	SIAIL OF MARIELAND	45 DAYS AFTER WELL IS COMPLETED.		
1 2 3 6	WELL COMPLETION REPORT	COUNTY (13)		
(THIS NUMBER IS TO BE PUNCHED	FILL IN THIS FORM COMPLETELY PLEASE TYPE	NUMBER (13) A515042		
IN COLS. 3-6 ON ALL CARDS) ST/CO USE ONLY DATE WELL COMPL		PERMIT NO.		
DATE Received	·	FROM "PERMIT TO DRILL WELL"		
MM DD YY	22 Z Z S 26 O	28 29 30 31 32 33 34 35 36 37		
8 13 15	20 (TO NEAREST POOT)	20 20 00 01 02 00 04 00 00 07		
OWNER OII STOTHE	/ / / / / / / / / / / / / / / / / / /	FII: JC:ty		
STREET OR RFD Valley VI	ew overlook TOWN	EIIICOTT CITY		
SUBDIVISION Benedict Fa	rm SECTION	LOT JZ		
WELL LOG	GROUTING RECORD yes no	C 3		
Not required for driven wells	WELL HAS BEEN GROUTED (Circle Appropriate Box)	1 2 PUMPING TEST		
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING	TYPE OF GROUTING MATERIAL (Circle one)	^3		
FEET check	CEMENT CM BENTONITE CLAY BC	HOURS PUMPED (nearest hour)		
DESCRIPTION (Use additional sheets if needed) FROM TO bearing		DUNADING DATE (sel por min) 4 • 2		
0	72	PUMPING RATE (gal. per min.)		
120000 0 35	GALLONS OF WATER	METHOD USED TO MEASURE PUMPING RATE 1946		
Brown 0 35 Shahe	DEPTH OF GROUT SEAL (to nearest foot)	MEASURE FUMFING HATE		
	from 48 TOP 52 ft. to 54 BOTTOM 58 ft.	WATER LEVEL (distance from land surface)		
1 35 2750	(enter 0 if from surface)	BEFORE PUMPING 45 ft.		
Gray 35 273	casing CASING RECORD	17 20 1		
Gray 35 275V	types insert ST CO	WHEN PUMPING ft.		
Pimolina	appropriate STEEL CONCRETE CODE	22 25		
	below PLD OT	TYPE OF PUMP USED (for test)		
	7	A air P piston T turbine		
	CASING top (main) casing of main casing	27 27 27 other		
	TYPE (nearest inch)! (nearest foot)	C centrifugal R rotary (describe below)		
	PL 06 39	21 21 21		
	60 61 63 64 66 70	J jet S submersible		
	OTHER CASING (if used) A diameter depth (feet)	27 27		
	C H inch from to	DI IMP INICTALLED		
	<u>C</u>	PUMP INSTALLED DRILLER INSTALLED PUMP YES NO		
	S	(CIRCLE) (YES or NO)		
	N	IF DRILLER INSTALLS PUMP, THIS SECTION		
	OCCUPANT DECORD	MUST BE COMPLETED FOR ALL WELLS.		
	screen type SCREEN RECORD	TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) 29		
	(incor) SII BK MU	IN BOX 29.		
	/ appropriate \ BRONZE HOLE	CALLONS DEP MINUTE		
	code below PL OT	GALLONS PER MINUTE (to nearest gallon) 31 35		
	PLASTIC OTHER	PUMP HORSE POWER		
	C Q DEDTH (proveet #)	37 41		
NUMBER OF UNSUCCESSFUL WELLS:	DEPTH (nearest ft.)	PUMP COLUMN LENGTH (nearest ft.)		
yes no	. Ho 39 275	43 47		
WELL HYDROFRACTURED Y	E 8 9 11 15 17 21	CASING HEIGHT (circle appropriate box and enter casing height)		
	C 2	+ above LAND SURFACE		
CIRCLE APPROPRIATE LETTER A WELL WAS ABANDONED AND SEALED	23 24 26 30 32 36 S			
WHEN THIS WELL WAS COMPLETED	C 3	below below below foot)		
E ELECTRIC LOG OBTAINED TEST WELL CONVERTED TO PRODUCTION	R 38 39 41 45 47 51 E			
P WELL	E SLOT SIZE 1 2 3	LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURE SUCH AS		
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND	DIAMETER (NEAREST	BUILDING, SEPTIC TANKS, AND /OR		
IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED	OF SCREEN INCH)	LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES		
HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.	from to	(MEASUREMENTS TO WELL)		
ADMISTRALIA MEN ANS		_0		
DRILLERS LIC. NO. 1 MSD 007	GRAVEL PACK IF WELL DRILLED	00-1		
DRILLERS SIGNATURE	WAS FLOWING WELL INSERT F IN BOX 68 68	130 /108		
(MUST MATCH SIGNATURE ON APPLICATION)	MDE USE ONLY	1/100		
LIC. NO.1 D 1	(NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q			
20.10.1 5 1	(1.0.0.)	€		
	70			
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)	TELESCOPE LOG 74 75 76			
responsible for sitework it different from permittee)	CASING INDICATOR OTHER DATA			

COLINITY

30100 1025-01

HOWARD COUNTY HEALTH DEPARTMENT BUREAU OF ENVIRONMENTAL HEALTH WATER AND SEWERAGE PROGRAM TEL: (410)313-2640 FAX: (410)313-2648

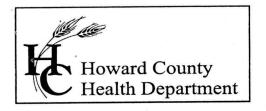
Information Form for the Installation of the Well Pump, Pitless Adapter, and Supply Piping
NOTE: The installer is responsible for requesting an inspection prior to 9 am on the day of the desired inspection. No work is to be covered until approved by the Health Department. All installations must comp 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 approva
Company Name: +09185 WEN Drilling Telephone #: 415.795-5670 Address: 580 ODECCH RD SUKOSVIIIE MODITALY
(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer License # and name of individual responsible for the first installation: Name (Print): License# MSDOO9 A licensed individual must perform the actual installation. Apprentices must be under the direct supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be subjected to field verification.
Name of Property Owner: 1011 Brothers Telephone #:
Subdivision: Potuscot Chara Lot #: 32 Weil Tag #: HO - 95- 03.11 Site Address: 4931 Valley View Overlook
Submersible Pump Data Make: Prince for Make: Company Model#: No piece waterlight cap: Use Screened, vented well cap: Use Screened, vented well cap: Use Cap secured to casing: Use Conduit min 18" B.G.: Use Conduit min 18" B.G.: Use Conduit secured to well cap: Use Model#: No piece waterlight cap: Use Screened, vented well cap: Use Conduit min 18" B.G.: Use Conduit secured to well cap: Use Model#: No piece waterlight cap: Use Cap secured to casing: Use Conduit min 18" B.G.: Use Conduit min 18" B.G.: Use Conduit secured to well cap: Use Conduit min 18" B.G.: Use Conduit secured to well cap: Use Conduit secured to well cap: Use Conduit secured to well cap: Use Conduit min 18" B.G.: Use Conduit secured to well cap: Use Conduit min 18" B.G.: Use Conduit secured to well cap: Use Conduit secured to well cap: Use Conduit min 18" B.G.: Use Conduit min 18
Piping to house Type: 1" Black Plate Res PVC sleeved to undisturbed soil at wall penetration: 425 Approximate length of sleeve: 5 Sleeve caulked and sealed properly: 425
The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, listribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.
allen Compton 1-2-07
figuature of company representative responsible for installation date
For Health Department Use Only - Not to be completed by Installer
Date Insp. Requested: Date Insp. Approved:
Water supply line sleeved adequately at house connection

RD-215(Rev. 8/00)

Adequate grout observed below pitless adapter

FISHER, COLLINS & CARTER

·FEB-17-2006



Bureau of Environmental Health
7178 Columbia Gateway Drive, Columbia, MD 21046
(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

January 25, 2007

Toll Brothers – Maryland Division 7164 Columbia Gateway Drive Columbia, Maryland 21046

> RE: Benedict Farm Subdivision, Lot 32 4921 Valley View Overlook Well Tag: HO-95-0311

To Whom It May Concern:

Pre and post-R/O treatment samples were collected by Fogle's Well Drilling on January 3, 2007 and submitted to Fountain Valley Analytical Laboratory, Inc. to assess the possible presence of **Radium 226/228** in this well water supply. In general, **Gross Alpha** and **Gross Beta** measure the total alpha and beta particle activity in a water supply. With respect to **Radium 226/228**, these naturally occurring isotopes of radium are considered the most important due to their longer half-lives and health significance.

Pre-treatment results revealed a Radium 226 level of 0.9 ± 0.0 picocuries/liter (pCi/L), while the Radium 228 level was 1.1 ± 0.0 pCi/L. The combined Radium 226 / 228 was below the maximum contaminant level (MCL) of 5 pCi/L.

Post-treatment results revealed a Radium 226 level of 0.2 ± 0.0 pCi/L, while the Radium 228 level was 0.7 ± 0.0 pCi/L. Here too, the combined Radium 226 / 228 was below the maximum contaminant level (MCL) of 5 pCi/L.

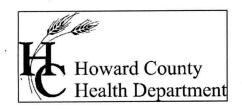
At the time of testing and with respect to these parameters, the future well water supply appears safe for all uses. Given these results as well as the standard potability findings, the Use & Occupancy (ICOP letter) was issued. To help ensure continued safe levels, the installed R/O system should undergo routine maintenance and servicing.

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 or concerns.

Sincerely,

Bert Nixon, Deputy Director Bureau of Environmental Health

cc: Eric Dougherty, MDE, Water Mgmt., Groundwater 4921 Valley View Overlook, Ellicott City, MD. 21042



Bureau of Environmental Health

7178 Columbia Gateway Drive Columbia, Maryland 21046-2132

(410) 313-2640 TDD (410) 313-2323

Fax (410) 313-2648 Toll Free 1-866-313-6300

website: www.hchealth.org

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

January 25, 2007

Toll MD III LP 7164 Columbia Gateway Drive, #230 Columbia, MD 21046

RE: Homewood Crossing, Lot 32

4921 Valley View Overlook Ellicott City, MD 21042

BP#: B06002238

Well Permit # HO-95-0311

Dear Sir:

This is to advise you that the septic system for the above referenced property has been installed and inspected. Final approval of the septic system was granted on 01/10/2007. Final approval of the well line connection to the dwelling was approved on 12/28/2006.

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. The water sample results were found to be in compliance with COMAR water quality standards.

INTERIM CERTIFICATE OF POTABILITY

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-95-0311. Although the submitted sample results are in compliance with COMAR standards, the Health Department does not guarantee water supplies. Based upon satisfactory investigation and evaluation, the Howard County Health Department as authorized by the Maryland Department of the Environment accepts this well system as required by COMAR 26.04.04.

This certificate may become final upon completion of the second bacteriological test, which is to be taken by the county health department within six months of receipt of this letter. Please contact (410) 313-1773 to schedule a final water sample appointment. Currently, there is no charge for this final sampling.

Date of Water Samples:

01/03/2007

Date of Well Completion:

08/09/2006

Approving Authority.

Well & Septic Program

cc:

Building Inspector's Office Community Health Services

File

FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

1413 Old Taneytown Rd. Westminster, MD (410) 848-1614 (410) 876-4554 FAX (410) 848-0298

REPORT OF ANALYSIS

Laboratory ID #;

61849

Reference:

Toll Brothers Lot 32

Location:

4931 Valley View Overlook

Clarksville, MD 21029

Date/ Time Collected: 1/3/2007 Date/Time Rec'd:

1/3/2007 Free: ND

M. Dodd

Account #:

Company:

1930 Fogle's Well Drilling

Requested By:

Dave Fogle

Source: Site:

Well Water

R/O Tap

Treatment:

Reverse Osmosis

DH: Well#:

6.5 HO-95-0311

PARAMETERS Radium-226

Chlorine ppm:

Collected By:

RESULTS UNITS

pCi/L

1340

1425

Total: ND

6244MD

REFERENCE METHOD ****

DATE/TIME/ANALYST 1/22/2007 / 1638 / MJN

Radium-228

0.2 0.7

pCi/L

903.1 Ra-05

1/19/2007 / 1426 / PJ

NOTES:

- ****Radium 226 and Radium 228 combined have a reference of 5 piC/L 1
- 2 pCi/L = picocuries per liter
- 3 Sub-contracted to Lab # 278
- 4 ND:None Detected
- Sample collected by client, analyzed as received 5
- pH tested on-site

Reason for Test:

Use & Occupancy

Building Permit # :

06002238

Date Reported:

1/25/2007

MD State Certification # 133

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 #:

б1848

Reference:

Toll Brothers Lot 32

Location:

4921 4931 Valley View Overlook

Clarksville, MD 21029

Date/ Time Collected: 1/3/2007 Date/Time Rec'd:

1/3/2007

Free: ND M. Dodd

Total: ND 6244MD

1340

1425

Account #:

1930

Company; Fogle's Well Drilling

Requested By:

Dave Fogle Well Water

Source: Site:

Manifold System

Treatment:

Reverse Osmosis**

pΗ:

6.5

Well #:

HO-95-0311

PARAMETERS Radium-226

Chlorine ppm:

Collected By:

RESULTS 0.9

pCi/L

UNITS REFERENCE METHOD ****

903.1

DATE/TIME/ANALYST 1/22/2007 / 1638 / MJN

Radium-228

1.1

pCi/L

Ra-05

1/19/2007 / 1426 / PJ

NOTES:

- ****Radium 226 and Radium 228 combined have a reference of 5 piC/L 1
- **Sample collected prior to treatment 2
- 3 pCi/L = picocuries per liter
- 4 Sub-contracted to Lab # 278
- 5 ND:None Detected
- Sample collected by client, analyzed as received 6
- pH tested on-site

Reason for Test:

Use & Occupancy

Building Permit # :

06002238

Date Reported:

1/25/2007

MD State Certification # 133

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 #:

61847

Account #:

Reference:

Toll Brothers Lot 32

Company:

Fogle's Well Drilling

Location:

4921 493T Valley View Overlook

Requested By:

Dave Fogle

Date/ Time Collected: 1/3/2007

Clarksville, MD 21029 1340 Source:

Well Water

Site:

Manifold System

Date/Time Rec'd: Chlorine ppm:

1/3/2007

1425 Total: ND

Treatment:

Reverse Osmosis**

Free: ND

:Ha Well #: 6.5

Collected By:

M. Dodd

6244MD

HO-95-0311

•	PARAMETERS	RESULTS	ENITS RE	FERENCE	METHOD	DATE/TIME/ANALYST	
	Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0	SM18 9223 B.	1/4/2007 / 0915 / AD/BD	
	Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	≤1.0	SM18 9223 B.	I/4/2007 / 0915 / AD/BD	
	Nitrate	6.96	mg/I.	10	100	1/3/2007 / 1520 / BCD	
	Turbidity	6.04	NTU	<10	SM18 2130B	1/3/2007 / 1520 / BCD	
	Sand	N\$	mg/L	5	Visual/Gravimetric	1/3/2007 / 1520 / BCD	

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
- Results less than or within the reference range are considered satisfactory and within potable water limits at the time of 6 sampling.
- ND:None Detected
- Sample collected by client, analyzed as received
- pH tested on-site

Reason for Test:

Use & Occupancy

Building Permit #:

06002238

Date Reported:

1/4/2007