2 3		E ONLY)	STATE OF MARYLAND WELL COMPLETION REPORT	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED. COUNTY
THIS NUMBER IS TO BE P I COLS. 3-6 ON ALL CARI			FILL IN THIS FORM COMPLETELY PLEASE TYPE	NUMBER (3) A5/5043
T/CO USE ONLY ATE Received MM DD YY	DATE WE	LL COMPL		FROM "PERMIT NO. FROM "PERMIT TO DRILL WELL" 28 29 30 31 32 33 34 35 36 3
	-11 B		11.	7) 20 29 30 31 32 33 34 35 36 3
TREET OR RFD	last sugar View	TMS	sing Court first name TOWN E	- Hicatt City
UBDIVISIONR	enedic-	L FOR	SECTION_	LOT 74
WELL	LOG		GROUTING RECORD yes no	C 3 CO + GAM DEHIND HIS
Not required for			WELL HAS BEEN GROUTED (Circle Appropriate Box)	1 2 PUMPING TEST
STATE THE KIND OF FORMA' COLOH, DEPTH, THICKNESS	TIONS PENETRATES AND IF WATER E	D, THEIR EARING	TYPE OF GROUTING MATERIAL (Circle one)	HOURS PUMPED (nearest hour)
ESCRIPTION (Use	FEET	check if water	CEMENT CM BENTONITE CLAY BC	8 9
ditional sheets if needed)	FROM TO	bearing	NO. OF BAGS 45 NO. OF POUNDS 45 AS	PUMPING RATE (gal. per min.)
urdium Tom	0 80		GALLONS OF WATER	METHOD USED TO
IAND GRAY TUN	80 130) -	DEPTH OF GROUT SEAL (to nearest foot)	MEASURE PUMPING RATE 1 1000 1600
you Goy	130 140)	from 48 TOP 52 ft. to 54 BOTTOM 58 ft.	WATER LEVEL (distance from land surface)
- 7.000	140 14	6 1	(enter 0 if from surface) Casing CASING RECORD	BEFORE PUMPING ft.
growing)	1,0		types ST CO	211
Horseny	146 216	1/	appropriate STEEL CONCRETE	WHEN PUMPING 22 25 ft.
madern Gray	210 21	5 V	code below	TYPE OF PUMP USED (for test)
KAND CONOV	215 25	0	MAIN Nominal diameter Total depth	A air P piston T turbine
	219	100	CASING top (main) casing of main casing	27 27 other
			TYPE (nearest inch)! (nearest foot)	C centrifugal R rotary (descrit below)
			60 61 63 64 66 70	J jet S submersible
	Design was	O Barria	E OTHER CASING (if used)	27 27
			diameter depth (feet) H inch from to	
			<u>C</u>	PUMP INSTALLED DRILLER INSTALLED PUMP YES NO.
			\$ N	(CIRCLE) (YES or NO)
			ē — — — — — — — — — — — — — — — — — — —	IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.
			screen type SCREEN RECORD	TYPE OF PUMP INSTALLED
			or open hole ST BR	PLACE (A,C,J,P,R,S,T,O) 29 IN BOX 29.
			appropriate STEEL BRASS OPEN BRONZE HOLE	CAPACITY:
	100		code below PL OT	(to nearest gallon) GALLONS PER MINUTE (10 10 31 31 32 31 32 31 32 31 32 31 32 31 32 31 32 31 32 31 32 31 32 31 32 31 32 31 32 31 32 31 32 31 31 32 31 31 32 31 31 32 31 31 31 31 31 31 31 31 31 31 31 31 31
*			PLASTIC OTHER	PUMP HORSE POWER
		1	C 2 DEPTH (nearest ft.)	PUMP COLUMN LENGTH 37 4
JMBER OF UNSUCCESSI			. No 86 250	(nearest ft.)
ELL HYDROFRACTURED	yes Y	R	E A 8 9 11 15 17 21	CASING HEIGHT (circle appropriate box and enter casing height)
CIRCLE APPROP			C 2	above LAND SURFACE
A WELL WAS ABANDON WHEN THIS WELL WAS	IED AND SEALED		23 24 26 30 32 36 S	(neares
ELECTRIC LOG OBTAIN			C 3 R 38 39 41 45 47 51	below) ((leares
TEST WELL CONVERTE	D TO PRODUCTION	ON	E	LOCATION OF WELL ON LOT
EREBY CERTIFY THAT THIS WE CORDANCE WITH COMAR 26.04	LL HAS BEEN CONS	STRUCTED IN	N DIAMETER (NEAREST	SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND /OR
CONFORMANCE WITH ALL CON PTIONED PERMIT, AND THAT	DITIONS STATED IN THE INFORMATION	PRESENTED	OF SCREEN (NEAREST INCH)	LANDMARKS AND INDICATE NOT LESS
REIN IS ACCURATE AND CO- OWLEDGE.	MPLETE TO THE E	EST OF MY	from to L	THAN TWO DISTANCES
RILLERS MC. NOT	WWD35	5	GRAVEL PACK	125
Mulle	0		F WELL DRILLED WAS FLOWING WELL	
DRILLERS SIGNATURE (MUST MATCH SIGNATURE C	ON APPLICATION)		INSERT F IN BOX 68 68	\$°
LIC. NO. 1			(NOT TO BE FILLED IN BY DRILLER)	
LIC. NO.1			T (E.R.O.S.) W Q	
		7.44	70	₩ Mus
ITE SUPERVISOR (sign. o	d drilles as 's		74 75 76 1	

B 1 6515 SEQUENCE NO. (MDE USE ONLY)	STATE OF	MARYLAND	STAT	E PERMIT NUMBER
		ERMIT TO DRILL WELL	HA -	95 -0142
1 50		e type	70	his form completely 79
Date Received (APA)	3912	D 3	LOCATION OF W	
OWNER INFORMATION	ON	B 3 Howard	LOOK TON OF V	YLLL
8 MM DD YY 13	14	8 COUNTY	2 2	21
Tou Brothers Inc.		Honewar	1 (rossi	eq /
15 Last Name Owner First I	4	23 SUBDIVISION		42
36 Street or RFD	55 Juile 230	SECTION 44 46	LOT L 48 50	4
5x Town 70 State 72	Zip 76	52 NEAREST TOWN	ille	74
DRILLER INFORMATION	Zip / 6	MILES FROM TOWN (ente	er 0 if in town)	M 11
Driller's Name 76 Lic	D355 cense No. 81	B 4	73	76 77 78
Microsol Proclem 1.201 Dillio	Sense No. 81	1 2	Kivercro:	ssing Court
Firm Name	2000	DIRECTION OF WELL FROM TOWN (CIRCLE BOX)	11 NE	AR WHAT ROAD 30
Address	W. SIOTA	NW 8 NE	ON WHICH SI	ROPRIATE BOX)
Much 20 9/2	0/05	8-9		WEST S EAST
Signature Da B 2 WELL INFORMATION	te'	W TOWN E	34	ANCE FROM ROAD
1 2 APPROX. PUMPING RATE	2		DIST	ENTER FT OR MI 38 39
(GAL. PER MIN.) 8 AVERAGE DAILY QUANTITY NEEDED 5	DO 12	S _W S _E S _E 8-9	TAX MAP: 29	BLK: 9 PARCEL 28
(GAL. PER DAY) 14	20	NOT TO) BE FILLED IN	
USE FOR WATER (CIRCLE APPROPR	IATE BOX)		H DEPARTMENT	
DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION		Howard	(13) A	515042
F FARMING (LIVESTOCK WATERING & AGRICULTU	RAL	COUNTY NAME	- 77	COUNTY NO.
IRRIGATION		STATE SIGNATURE		INSERT S —
I INDOON IN E. COMMENTONE, BETTTE E.		DATE ISSUED	3712 4	3ahor Wisham
P PUBLIC WATER SUPPLY WELL		43 MM DD YY 48	CO SIGNATUR	EXP. DATE
T TEST, OBSERVATION, MONITORING		NORTH 5/2 0	0 0 GRID	27 000
G GEO-THERMAL		50	55 57	63
1 20		SHOW MAJOR FEATURES	SOF Alac	105 9:30 Clar
APPROXIMATE DEPTH OF WELL 24 28	FEET	BOX & LOCATE WELL '_ WITH AN X	11/23	3/05 7:30 3 hr 41eld
APPROXIMATE DIAMETER OF WELL	NEAREST	SOURCES OF DRILLING V		
AFFROAINATE DIAMETER OF WELL	——— INCH	2.	20	
METHOD OF DRILLING (circle		3.		
BORED (or Augered) JETTED AND DEFENDANCE POLYAGE	Jetted & DRIVEN			-
AIR-PERCUSSION ROTAR	Y (Hydraulic Rotary)	WRITE THE BOX NUMBER	R	(2)
CABLE HEVERSE-HOTARY	DRive-POINT	FROM THE MAP HERE		(8)
other DEDLACEMENT OF DEEDENED	WELLS	E 830	27	0
REPLACEMENT OR DEEPENED (CIRCLE APPROPRIATE BOX)	WELLS		000	
THIS WELL WILL NOT REPLACE AN EXISTING WE	u 🖖	N 5 102		(1)
Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED		DRAW A SKETCH BELOW RELATION TO NEARBY T		
THE WELL WILL DEDLACE A WELL THAT WILL DE	USED	DISTANCE FROM WELL T		
39 AS A STANDBY CONTACT LOCAL APPROVING AU FOR POLICY ON STANDBY WELLS	THORITY	The state of the s	1	7 3 5
D THIS WELL WILL DEEPEN AN EXISTING WELL			1 / 3	T. A.K.
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEF		N	18	
(IF AVAILABLE) 41	52	ZL. A TOP I I	0 /	K
Not to be filled in by driller (MDE OR COUNT	The state of the s	The state of the state of	16	1
APPROP, PERMIT NUMBER #02003	G006	R	iverconcer	al B
14000	COILLO		Ct.	9
PERMIT No. 70 71 72 73 7	4 75 76 77 78 79			
SPECIAL CONDITIONS	1200	HYWERD IN		(A)

		11/23/05	3 har	you	
Page	 of				
Date					

Review	
ILC VICH	

FIELD DATA SHEET HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 95-0142 Location of property (road) Riverce	ossina Court
Subdivision Benedict Farm	Lot 74 Block Plat Sec.
Well Driller Michael Barlow	owner Toll Brothers
Depth of well	
Distance of measuring point (M.P.) abo	ove ground
Static water level (S.W.L.) below M.P.	
I. High rate pumping reservoir drawdown	
Time pump started	Pumping rate
Total time to reach pumping	water level ft. below M.P.
II. Recovery pump test data - observations t	to be recorded every 15 minutes

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 5 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
		La la la La Les la		
1 1 1 1 1 1 1 1				



MICHAEL BARLOW WELL DRILLING & SERVICE, INC.

522 Underwood lane (410) 838-6910

Bel Air, Maryland 21014

Fax (410) 838-3582

WELL YIELD REPORT

	Date Test Completed:		November 23, 2005	
	Well Depth:	250	feet	
Customer	TOLL BROTHERS, INC.	Permit #	HO-95-0142	
Road	RIVERCROSSING COURT	Subdivision	BENEDICT FARM	
City	ELLICOTT CITY	Section		
State	MARYLAND	Lot#	74	

Time	Water Level feet	Time to Fill 1-gallon bucket seconds	G.P.M.
11:30 AM	27	3	20.00
11:45 AM	30	3	20.00
12:00 PM	34	3	20.00
12:15 PM	34	3	20.00
12:30 PM	34	3	20.00
12:45 PM	34	3	20.00
1:00 PM	34	3	20.00
1:15 PM	34	3	20.00
1:30 PM	34	3	20.00
1:45 PM	34	3	20.00
2:00 PM	34	3	20.00
2:15 PM	34	3	20.00
2:30 PM	34	3	20.00
2:45 PM	34	3	20.00
3:00 PM	34	3	20.00
		1	

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 #:

93830

Account #:

Reference:

Toll Brothers Lot 74

1930

Company:

Fogle's Well Drilling

Location:

4808 River Crossing Court Ellicott City, MD 21042

Requested By: Source:

Dave Fogle

Date/ Time Collected: 4/16/2014

Site:

Well Water

Date/Time Rec'd:

1444

Pressure Tank

Chlorine ppm:

4/16/2014

1545 Total: ND

Treatment:

None 6.9

Collected By:

Free: ND J. Fogle

1974JF

pH: Well #:

HO-95-0142

PARAMETERS	RESULTS	UNITS RE	FERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0	SM18 9223	4/17/2014 / 1000 / CCH
Bacteria, E. coli, MPN	/<1.0	MPN/ 100 ml	<1.0	SM18 9223	4/17/2014 / 1000 / CCH
Nitrate	<1.0	mg/L	10	601	4/17/2014 / 1130 / CCH
Turbidity	2.65	NTU	<10	SM18 2130B	4/17/2014 / 1105 / JKW
Sand	NS	mg/L	5	Visual/Gravimetric	4/17/2014 / 1045 / CCH

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
- pH tested in lab, chlorine level tested on site

Reason for Test:

Use & Occupancy

Building Permit #:

B130030

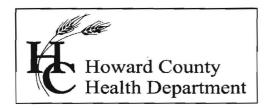
Date Reported:

4/17/2014

HOWARD COUNTY HEALTH DEPARTMENT SUREAU 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: f00165 WEII DY IIINQ LLC 443-609-4195 Address: W000DLYR, 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): DOVICE FOOK License# MSD 226 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 TO BYOTHLYS Telephone #: 410 - 489 - 740 7 Subdivision: Beyldick form to + 74 Lot #: 14 Well Tag #: HO - 95 - 0142 Site Address: 4808 River crossing ct
Submersible Pump Data Make: GY (MO TOS Make: ((MO DOC)) Model #: 1550 EO 7 180 Model#: N/A Screened, vented well cap: N/S Pump Capacity 7 GPM Depth: 36 " (36" min) Well Cap and Electric Conduit Two piece watertight cap: N/S Screened, vented well cap: N/S Cap secured to casing: N/S Well Yield: 20 GPM NSF/WSC approved: N/S Conduit min 18" B.G.: N/S
Depth of well encountered at time of pump installation: 250 (feet) Conduit secured to well cap: 125 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/F
Piping to house Type: 1" ON DIDE PVC sleeve to undisturbed soil at wall penetration: VCS PSI: 10 (160 psi-inin) Length of sleeve(5' minimum from foundation): 5' Depth of supply line: 42" (36" min) Sleeve sealed properly: VCS
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 <u>cannot</u> be accomplished, contact this office for
approval prior to installation.
Signature of company representative responsible for installation date
For Health Department Use Only – Not to be completed by Installer
Date Insp. Requested: 3/20/14 Date Insp. Approved: 3/20/14 Inspector. Not where 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 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

INTERIM CERTIFICATE OF POTABILITY

Expiration Date - October 29, 2014

April 29, 2014

Homeowner 4808 River Crossing Court Ellicott City, MD, 21042

RE:

Benedict Farm, Lot #74 4808 River Crossing Court Building Permit: B13003011 Well Permit: HO-95-0142

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 12/18/13. Final approval of the well line connection to the dwelling was granted on 3/20/14. The well construction was completed on 11/18/05. Water samples were collected on 4/16/14.

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. 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-95-0142. 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.

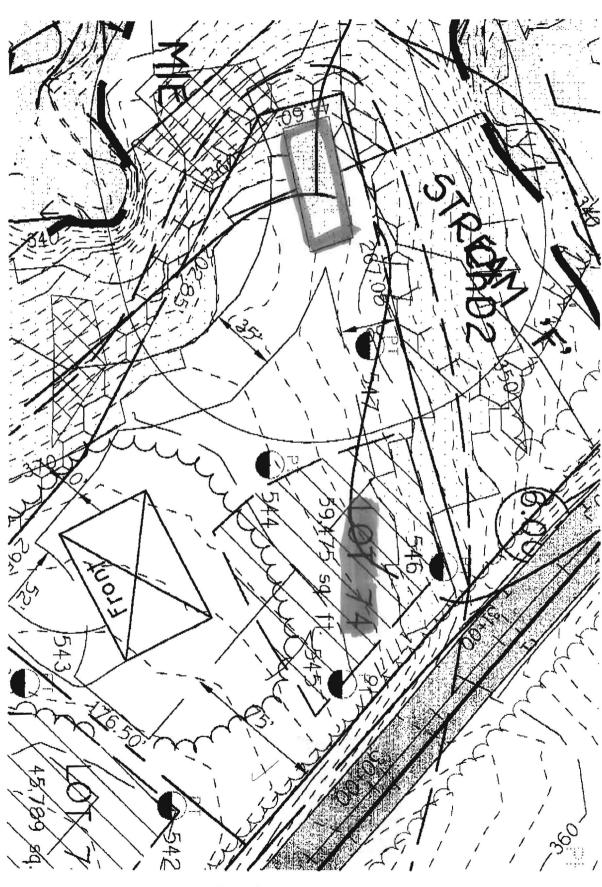
Please contact (410) 313-1773 to schedule a final water sample appointment or contact a Maryland certified water laboratory to schedule a water sample. A list of laboratories certified by the state of Maryland may be found at the following website: http://www.mde.state.md.us/assets/document/WSP-Labs-2010apr16.pdf

Approving Authority, Dana Bunard

Dana Bernard, REHS/RS Environmental Sanitarian Well & Septic Program

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

File



10/13/05 Nell 5:45 Staked By F, C+C.

