1	21 . 9697 SEQUENCE NO.	STATE OF MARYLAND THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.	ŀ
	(THIS NUMBER IS TO BE PUNCHED	FILL IN THIS FORM COMPLETELY COUNTY 1 0 22 1/2 1	
	IN COLS. 3-8 ON ALL CARDS)	PLEASE PRINT OR TYPE NUMBER N 25421	
	DATE Received DATE WELL COMPLETE	Depth of Well FROM "PERMIT TO DRILL WELL"	
	निनानी सियानवर्ष	22 2 / /   28	
	OWNER PSAIN	BRUCE	
	STREET OR RED . IST DANIELS	PROPERTY MINISTRAMO TOWN LLLICOTT CITY	
	SUBDIVISION COLLINS PROP.	MAP 18 SECTION Q 1 P. 354 LOT 1	:
	Not required for driven wells	WELL HAS BEEN GROUTED  (Circle Appropriate Box)  (Circle Appropriate Box)	
	STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH,	TYPE OF GROUTING MATERIAL 44 44	1
	THICKNESS AND IF WATER BEARING	HOURS PUMPED (nearest hour)	
1	DESCRIPTION (Use Additional sheets if needed) FROM TO bearing	NO. OF BAGS NO. OF POUNDS 11 to nearest gal.)	
	Fixeil 0 Z	GALLONS OF WATER	
	Shale , Z G !	DEPTH OF GROUT SEAL (to nearest foot)  MEASURE PUMPING RATE  (true)  MEASURE PUMPING RATE  (true)  MATER LEVEL (distance from land surface)	
•	Paine F 10 6 15	48 TOP 52 54 BOTTOM 56 BEFORE PUMPING 37	
ı		casing CASING RECORD WHEN PUMPING	
		Insert ST CO	
	Francis 14.00 35 17 -	appropriate CONCRETE TYPE OF PUMP USED (for test)  PL OT Aair Ppiston T turbing	:
	Gray 11/1 Cas 37 360 -	PLASTIC OTHER 27 27	
	• • • • • • •	MAIN Nominal diameter Total depth C centrifugal R rotary Odescribe	
	•   •	CASING top (main) casing of main casing TYPE (nearest inch) (nearest foot)	
		5 7 C 2 c J lot S submersible	
		60 61 63 64 66 70	
		diameter depth (feet) 2007 To must person and	
		C PRINTED WAY TO MAKE THE PRINTED WAY	
		CIRCLE) (VES or NO)  IF DRILLER INSTALLS PUMP, THIS SECTION	
		MUST BE COMPLETED FOR ALL WELLS	
		or open hole TYPE OF PUMP INSTALLED	,
•		INBOX-SEE ABOVE:	
		Code GALLONS'PER MINUTE	į.
		PLASTIC OTHER PUMP HORSE POWER	
	را ا	C[2]	
		DEPTH (nearest ft.) (nearest ft.)	ı
		CASING HEIGHT (circle appropriate box and enter casing height)	l
		H <sub>2</sub> LAND SURFACE	
		\$\frac{1}{23} \frac{24}{28} \frac{23}{34} \frac{34}{35} \frac{1}{49} \text{below} \frac{1}{30} \frac{7}{51} \frac{7}{1001}	
	A WELL WAS ABANDONED AND SEALED	LOCATION OF WELL ON LOT	
	WHEN THIS WELL WAS COMPLETED	SHOW PERMANENT STRUCTURE SUCH AS	
	E ELECTRIC LOG OBTAINED  D TEST WELL CONVERTED TO PRODUCTION	DIAMETER LANDMARKS AND INDICATE NOT LESS	l
	WELL  I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN	OF SCREEN (MEASUREMENTS TO WELL)	
	ACCORDANCE WITH COMAR 10.17.13 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE	GRAVEL PACK	
	ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.	IF WELL DRILLED WAS FLOWING WELL INSERT.	ĺ
	DRILLERS IDENT, NO. 40	FIN BOX 68 NUM A C JOSE W LU	1
	12 1 9 1	OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)	
	DRILLERS SIGNATURE	7 (E.R.O.S.) WO	
	(MUST MATCH SIGNATURE ON APPLICATION)	70 72 74 75 78	
	SITE SUPERVISOR (sign, of driller or journeyman	TELESCOPE LOG OTHER DATA CASING INDICATOR	
	responsible for sitework if different from permittee)	THE REPORT OF THE PERSON OF TH	4



# Baltimore Division

2101 Van Deman Street • Baltimore, MD 21224

Phone: 410-633-1800 Fax: 410-633-6553 www.microbac.com

#### COVER LETTER

Holly Penn Holly Penn 2253 Daniel Rd Ellicott City, MD 21043

RE: Drinking water

June 08, 2012 Report No.: 12F0091

The report of analyses contains test results for samples received at Microbac Laboratories, Inc., Baltimore Division on 06/04/2012 15:35.

The enclosed results were obtained from and applicable to the sample(s) as received at the laboratory. All sample results are reported on an "as received" basis unless otherwise noted.

All data included in this report has been reviewed and meet the applicable project and certification specific requirements, unless otherwise noted.

This report has been paginated in its entirety and shall not be reproduced except in full, without the written approval of Microbac Laboratories, Inc.

We appreciate the opportunity to service your analytical needs. If you have any questions, please feel free to contact us.

This Data Package contains the following:
- This Cover Page

- Sample Summary
- Test Results
- Notes and Definitions
- Cooler Receipt Log
- Chain of Custody

	6/8/2012	
Final report reviewed by:	Barbara Schroyer/Project Manager	Report issue date

All samples received in proper condition and results conform to ISO 17025 and TNI NELAC standards unless otherwise noted.

If we have not met or exceeded your expectations, please contact Mark Horan, Managing Director, at 410-633-1800 You may also contact Sean Hyde, Chief



**Baltimore Division** 

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#### **CERTIFICATE OF ANALYSIS**

Holly Penn 2253 Daniel Rd Ellicott City, MD 21043 Project: Drinking water Project Number: Drinking water Project Manager: Holly Penn Report: 12F0091

Reported: 06/08/2012 16:09

# SAMPLE SUMMARY

Sample ID	Laboratory ID	Matrix	Туре	Date Sampled	Date Received
Well	12F0091-01	Drinking Water	Grab	06/04/2012 10:10	06/04/2012 15:35

Microbac Laboratories, Inc., Baltimore Division

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The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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#### **CERTIFICATE OF ANALYSIS**

Holly Penn 2253 Daniel Rd Ellicott City, MD 21043 Project Number: Drinking water
Project Number: Holly Penn

Report: 12F0091

Reported: 06/08/2012 16:09

# Well 12F0091-01 (Drinking Water) Sampled: 06/04/2012 10:10; Type: Grab

		Reporting							
Analyte	Result	Limit	Units	Prepared	Analyzed	Analyst	Method	Notes	
Microbac Laboratories, Inc., Baltimore Division									
Wet Chemistry						_			
Nitrate as N	ND	0.10	mg/L	060512 1133	060512 1402	VAS	EPA 300.0		
Total Dissolved Solids	180	10	mg/L	060712 1300	060712 1301	LCR	SM (20) 2540 C		
Microbiology									
Coliform, Total	NEGATIVE		P/A	060412 1653	060512 1640	DML	SM(20)9223B Colilert		
Field Sampling/Testing									
Chlorine Residual (Total)	ND	0.030	mg/L		060412 1010	ΔΙΙ	SM (20) 4500 Cl G		
рН	7.30	0.00	pH Units		060412 1010	IID	SM (20) 4500-H B		
Temperature	15.0	0.00	°C		060412 1010	JJD	SM (20) 2550 B		

Microbac Laboratories, Inc., Baltimore Division

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Barbara Schroyer, Project Manager

**Original Lab Report** 

Page 3 of 7



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### **CERTIFICATE OF ANALYSIS**

Holly Penn Project: Drinking water Report: 12F0091
2253 Daniel Rd Project Number: Drinking water Reported: 06/08/2012 16:09
Ellicott City, MD 21043 Project Manager: Holly Penn

#### Certifications

Below is a list of certifications maintained by Microbac Laboratories, Inc. All data included in this report has been reviewed for and meets all project specific and quality control requirements of the applicable accreditation, unless otherwise noted. A complete list of individual analytes pursuant to each certification below is available upon request.

Lab#	Description	Certification Number	Expires					
Microbac Laboratories, Inc., Baltimore Division								
A2LA1	A2LA (Biology)	410.02	04/30/2013					
A2LA2	A2LA (Environmental)	410.01	04/30/2013					
VA-R	Commonwealth of Virginia (NELAC)	460022	06/14/2012					
VA-B	Commonwealth of Virginia (NELAC)	460170-915	06/14/2012					
CPSC	CPSC Testing of Childrens Products and Jewelry	1115	04/30/2013					
Pb	Environmental Lead (ELLAP)	410.01	04/30/2013					
NJ	New Jersey	NLC120001	06/30/2012					
MD	State of Maryland	109	06/30/2012					
PA	State of Pennsylvania (NELAC)	68-00339	08/31/2012					
USDA	US Department of Agriculture	P330-09-00021	02/19/2012					
w	West Virginia	054	08/31/2012					

Microbac Laboratories, Inc., Baltimore Division

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#### **CERTIFICATE OF ANALYSIS**

Holly Penn Project: Drinking water Report: 12F0091
2253 Daniel Rd Project Number: Drinking water Reported Report: 06/08/2012 16:09
Ellicott City, MD 21043 Project Manager: Holly Penn

#### **Notes and Definitions**

Z1 NEGATIVE

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference



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## Cooler Receipt Log

Cooler ID: Default Cooler		Cooler Temp: 2.90 °C Work (	Order:	12F0091
Custody Seals Intact: Containers Intact: Received On Ice: Radiation Scan Acceptable: COC Present:	Yes Yes Yes Yes	COC/Containers Agree: Correct Preservation: Correct Number of Containers Received: Sufficient Sample Volume for Testing: Samples Received in Proper Condition:	Yes Yes Yes Yes	

Comments:



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### **CHAIN OF CUSTODY**

12F0091



Holly Penn Project: Drinking water Project Number: Drinking water

Report To: Holly Penn 2253 Daniel Rd

Client:

Ellicott City, MD 21043

Invoice To: Holly Penn 2253 Daniel Rd

Ellicott City, MD 21043

Bottle order: Prepared by

Date Scheduled: Mon, 04 Jun. 12

See notes on last page

Phone: (410) 608-	6394	Phone: (410) 608-639	4	
	Client Sample II	D: Sample Name	e hell	
Lab Sample ID:	12F0091-01		/alulia 1210	
Matrix:	Drinking Water	Sampled	Date & Time: 9 4 1 2 1010	
Type:	Grab	DW CER	(T/PWSID#:/	
Analysis	Visit 1		Hol	d
Chlorinc_Res_T_Field	SM (20) 4500 Cl G	FIELD RES	ULTS: UNITS:	
pH_Field	SM (20) 4500-H B		ULTS: UNITS:	
Temp_Fld	SM (20) 2550 B		ULTS: UNITS:	
NO3_IC	EPA 300.0		2	
TDS	SM (20) 2540 C		7	
		H-1/2 Gallon Plastic Neat		
Colilert_P/A	SM(20)9223B Colilert		1.25	5
		S-4oz Sterile Plastic w/Th	niosulfate	
Sumpled by:	Tayon -	Date Time:	Received by: Saptest	
Printed Name:	guy -	6/4/12 1535	Drinted Name	
Relinquished by:		Date Line:	Received by:	
recinquisited by		Date Time:	Received by:	
Printed Name:			Printed Name:	
Relinquished by:		Date Time:	Received by:	
Printed Name;		1	Printed Name:	
On Ice: Yes/ No Notes:	Rad Scan Acceptable: Yes / No	Cooler Temp	Cooler Number:	