A STATE OF THE PARTY OF THE PAR	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ONLY)	STATE OF MARYLAND WELL COMPLETION REPORT	45 DAYS AFTER WELL IS COMPLETED.
THIS NUMBER IS TO BE PUN COLS. 3-6 ON ALL CARD			FILL IN THIS FORM COMPLETELY PLEASE TYPE	COUNTY (13) A514193
ST/CO USE ONLY DATE Received MM DD YY 8 13	DATE WEL	COMPLI	Depth of Well 22 26 (TO NEAREST FOOT)	PERMIT NO. FROM "PERMIT TO DRILL WELL"  28 29 30 31 32 33 34 35 36 37
OWNERTO STREET OR RFD SUBDIVISION	lest nertical	ther bury	Lake Drive Town (	Slenelg LOT 8
WELL Not required for	LOG	en u	GROUTING RECORD Yes no	<u>C</u> 3
STATE THE KIND OF FORMAT COLOR, DEPTH, THICKNESS		O, THEIR EARING	TYPE OF GROUTING MATERIAL (Circle one)	PUMPING TEST HOURS PUMPED (nearest hour)
DESCRIPTION (Use additional sheets if needed)	FEET TO	check if water bearing	NO. OF BAGS NO. OF POUNDS	PUMPING RATE (gal. per min.)
brown Soil	0 51	1.1	GALLONS OF WATER DEPTH OF GROUT SEAL (to nearest foot)	METHOD USED TO MEASURE PUMPING RATE
rey with soft	51 84		from 48 TOP 52 ft. to 54 BOTTOM 58 ft. (enter 0 if from surface)	WATER LEVEL (distance from land surface)
nd hardgraptock	84 200		casing types insert appropriate code below CASING RECORD  ST CO STEEL CONCRETE PL PLASTIC OTHER	WHEN PUMPING  TYPE OF PUMP USED (for test)  ### IT
	57	,	MAIN Nominal diameter top (main) casing (nearest inch)!  Type (nearest inch)!  Total depth of main casing (nearest foot)	A air P piston T turbine other (describe below)
	48'	/	OTHER CASING (if used) A diameter depth (feet) inch from to C A S	PUMP INSTALLED DRILLER INSTALLED PUMP (CIRCLE) (YES or NO)
			screen type SCREEN RECORD	IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.
<b>y</b>			or open hole insert appropriate code below STEEL BRASS BRONZE PL DITHER	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
NUMBER OF UNSUCCESSE	UL WELLS:	0	C 2 DEPTH (nearest ft.)	PUMP COLUMN LENGTH (nearest ft.)
VELL HYDROFRACTURED	yes Y	(N)	E 1 HO 54 15 17 21	CASING HEIGHT (circle appropriate box and enter casing height)
CIRCLE APPROP  A WELL WAS ABANDON WHEN THIS WELL WAS	PRIATE LETTER ED AND SEALED COMPLETED		C 2 H 23 24 26 30 32 36 S C 3	LAND SURFACE  Land Surface  (nearest) foot)
P ELECTRIC LOG OBTAINI P TEST WELL CONVERTEI WELL	The second law	N	R 38 39 41 45 47 51 E E SLOT SIZE 1 2 3	A LOCATION OF WELL ON LOT
HEREBY CERTIFY THAT THIS WE COORDANCE WITH COMAR 26.04. N CONFORMANCE WITH ALL CON APTIONED PERMIT, AND THAT TEREIN IS ACCURATE AND CONNOWLEDGE.	04 "WELL CONSTRUCTIONS STATED IN THE INFORMATION I	THE ABOVE PRESENTED	DIAMETER (NEAREST OF SCREEN 56 60 from to	SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND /OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES  (MEASUREMENTS TO WELL)
DRILLERS & IGNATURE (MUST MATCH SIGNATURE O	N APPLICATION	55	GRAVEL PACK  IF WELL DRILLED  WAS FLOWING WELL INSERT F IN BOX 68  68	201
LIC. NO. 1	Mark Control of the Control	3	MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)  T (E.R.O.S.) W Q	
SITE SUPERVISOR (sign o	f driller or journey ferent from permi	rman ttee)	70	1 25

(410) 531-8471 office	EMERGENCY/TI	EMP NO. IF ANY /443	2829-4083 cell
B 1 7095 SEQUENCE NO. (MDE USE ONLY)		MARYLAND	STATE PERMIT NUMBER
1 2 3 6	The state of the s	ERMIT TO DRILL WELL	HO-94-3961
.,	520348 pleas	se type	<sup>70</sup> fill in this form completely <sup>79</sup>
Date Received (APA)  OWNER INFO  8 MM DD YY 13	RMATION	B 3 Howard	LOCATION OF WELL
15 Last Name Owner	First Name 34	23 SUBDIVISION	1a Crossing 42
11841 Simpson Rg		SECTION	LOT L
Clarksville Street or RFD	21029	Glenelar 46	48 50
57 Town 70 State  DRILLER INFORMATION	72 Zip 76	52 NEAREST TOWN	71
Michael Barlow	MW 0355	MILES FROM TOWN (ente	er 0 if in town) M 1 73 76 77 78
Michael Barlow Well Drill Firm Name	76 License No. 81	B 4 1 2 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)	Rox bury Lake Dr.
522 underwood Ln Bel Air	MD 21014	N N NE	ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
Mahro	5/6/04	8-9	W SI EI WEST S EAST
B 2 WELL INFORMATION	Date	TOWN E	34 37 south DISTANCE FROM ROAD
1 2 APPROX. PUMPING RATE (GAL. PER MIN.)	8 500	Sw S 8=9	ENTER FT OR MI 38 39
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY)  14	20	8	D BE FILLED IN BY DRILLER
USE FOR WATER (CIRCLE A DOMESTIC POTABLE SUPPLY & RESIDE	as an		H DEPARTMENT APPROVAL
IRRIGATION		COUNTY NAME	(3) A5/4/43 COUNTY NO.
F FARMING (LIVESTOCK WATERING & AGI IRRIGATION  22 I INDUSTRIAL, COMMERICIAL, DEWATER	£	STATE SIGNATURE	INSERT S —
P PUBLIC WATER SUPPLY WELL	iivo	DATE ISSUED	rean Baber 5/20/2005
TTTEST, OBSERVATION, MONITORING		43 MM DD YY 48 NORTH	CO SIGNATURE EXP. DATE
G GEO-THERMAL		GRID 50 0	0 0 GRID 0 0 0 63
900	)	SHOW MAJOR FEATURE	S OF
APPROXIMATE DEPTH OF WELL 24	FEET 28	BOX & LOCATE WELL WITH AN X	X
APPROXIMATE DIAMETER OF WELL	NEAREST INCH	SOURCES OF DRILLING	WATER
METHOD OF DRILLING	G (circle one)	2. 3.	
BORED (or Augered)  JETTED  30 AIR-ROTary  AIR-PERcussion	Jetted & <u>DRIVEN</u> ROTARY (Hydraulic Rotary)	WRITE THE BOX NUMBE	0
37 CABLE REVerse-ROTary	DRive-POINT	FROM THE MAP HERE	
other Second Account On Deco	ENED WELLS	E 790	5
REPLACEMENT OR DEEP (CIRCLE APPROPRIAT N THIS WELL WILL NOT BEPLACE AN EXIS	E BOX)	510	3 - 000
THIS WELL WILL NOT REPLACE AN EXIST			v showing location of well in
ABANDONED AND SEALED  THIS WELL WILL REPLACE A WELL THAT	WILL BE USED		OWNS AND ROADS AND GIVE TO NEAREST ROAD JUNCTION
FOR POLICY ON STANDBY WELLS			
PERMIT NUMBER OF WELL TO BE REPLACED		N Sel	- Lund
(IF AVAILABLE) 41	52	I Lian	Manoo Da.
Not to be filled in by driller (MDE OR	_	OR.	W.
APPROP. PERMIT NUMBER	G		comy Pd. gown w 10.
PERMIT No. 70 71	72 73 74 75 76 77 78 79	Dr.	young Far. Dark
SPECIAL CONDITIONS  NOTE - APPROVING AUTHORITIES SHOULD USE TO PATE A RECORDED BY	o Be Converted	to Domestic	Well if Mal &
DENV-Permit 97 Ground Water	Appropriatoious	Permit and IC	OP are Anomyed

Paye -	of 1
Date	4-2-04

Review	

# FIELD DATA SHEET HOWARD COUNTY WELL YIELD TEST

Well Permit	No. HO - 9	4-3961 a) Roxbury	ake Drive		
Subdivision	Triadel Michael	ohia Crossino	Lot 8 Blo	ock Plat	Sec.
Dept Dist	h of well ance of measur			۵'	
Time	pump started	reservoir drawdown	Pumping		elow 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 5 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
8:00	21'	3000		20
8:15	23'	3pec		20
81.30	25'	304		90
8:45	25' 25'	3pec		20
9:00	<u>&amp;</u>	3oc		20
9:15	<i>3</i> 5'	3 pic		30
9:30	25'	3pec		
9:45	25'	3ac		90
(0:00	∂5'	3 pec		90
10115	25'	304		20
10:30	25'	3Dec		90
10:45	25	3occ		30
11,00	35,	3 pec		20
	A. Day of the			
<b>并独立是种产</b> 了		<b>医基础的图</b> 显显示		

Date								
		FIELD DATA HOWARD COUNTY WEL						
Well Permit No. HO - 94-396/ Location of property (road) Roxbury Lake Drive Subdivision Triade Ohia Crossing Lot 8 Block Plat Sec. Well Driller Michael Barlow Owner Toll Brothers								
Distance	well of measuring por vater level (S.W.	oint (M.P.) above g	round					
Time pump Total tim		reach pumping wate	Pumping rate r levelft. recorded every 15 minu					
TIME (in 15	WATER LEVEL		FLOW METER READING	CALCULATED FLOW (gallons per minute)				

Review

Page \_\_\_\_\_ of



3525 H Ellicott Mills Drive, Ellicott City MD 21042 (410) 313-2640 Fax (410) 313-2648 TDD (410) 313-2373 Toll Fore 2-866-313-6200 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:

Eastern States Eng

The well site has been staked by <u>ESE</u> (protessional land surveyors) on Feb 22, 2005 (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

Post-it® Fax Note 7671 Date 7 mc - 05 pages > 1

To Shich From Dend (oner

Co. Dept. Co.

Phone # 410 872 9105

Fax # 410 313 2648

For Triadelphia Crossing

Toll Brus

#### 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 Nealth 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.

Address: 522 11ml	100. Ziona Tolephone	#: 410-838-6910	
License # and name of individual Name (Print): Michigal ** **A licensed individual must pulicensed journeyman or maste	erform the actual installation. Appropriate plumber, pump installer or well diducts may be reported to the appro	rentices must be under the su riller. Licenses may be subje	pervision of a cted to field
If pump capacity exceeds well y Torque arrestors, Cable guards,		Conduit secured to well cap: aired by NSPC 1990 Section 17 at drole one	22 40 40 8.45
Proins to house Type: Dollate leve PSI: InD (160 psi min) Depth of supply line: 42* (36" m The water supply line is required in the supply line is required in the supply line is required in the supply line in the supply line is required in the supply line in the supply line is required in the supply line in the supply line is required in the supply line in the supply line in the supply line is required in the supply line in the supply line in the supply line is required in the supply line in the supply	Approximate length of sli	d properly:	vage piping,
	tive responsible for installation  h Department Use Only - Not to be	date completed by (ustaller	<del>,</del>
Two piece cap Elec. conduit e Safety rope no Correct well u Water supply l	Date Insp. Approved: 4 (() watertight & water supply line at least installed and attached to casing secure extends at least 18" below grade/attacht seen outside of well cap/oasing attached properly and casing 8" about sleeved adequately at house connect observed below pitless adapter	aly ped to cap properly ve finished grade	4/10/06 No Tag Seen-Casing Extended
HD-215		Rev	Seen-Casing Extended. 12/00 at Least 5'



Providing Quality Systems for Over 20 Years Commercial & Residential Water Well Drilling Test Borings & Consulting - Geothermal Drilling & Systems NGWA & IGSTPA Certified

April 11, 2006

Mr. Brian Baker Howard County Health Department 7178 Columbia Gateway Drive Columbia, MD 21046

Mr. Baker:

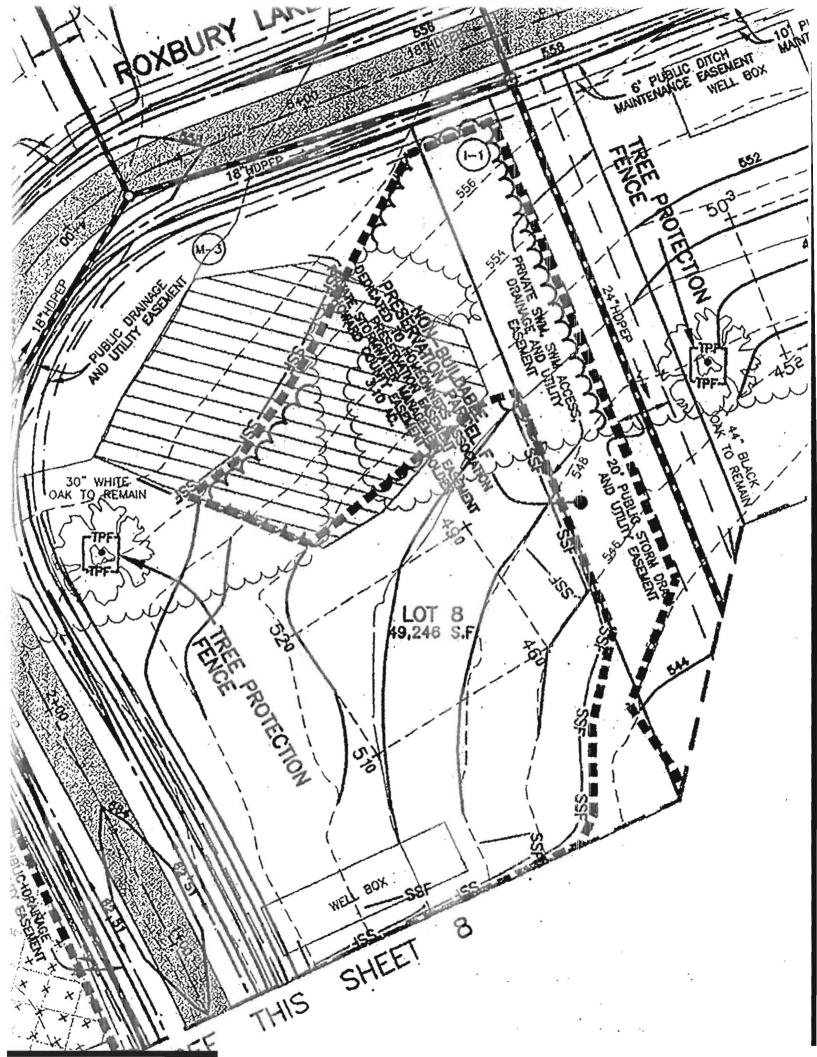
This letter is to address issues regarding the grout on Lot 8 at Tridelphia Crossing. On June 2, 2004, Michael Barlow Well Drilling Service, Inc. scheduled a grout inspection at 10:30 a.m. with Howard County Health Department and completed the well on that same day. On May 6, 2005, Toll Brothers contacted Michael Barlow Well Drilling Service, Inc. to extend the casing approximately 18 feet above the existing grade because the area needed to have fill dirt installed. Upon installation of the pump, Michael Barlow Well Service, Inc. called Howard County Health Department to schedule the Pitless Adapter / Well line inspection. Upon inspector witnessing the Pitless Adapter installation, he did not observe any grout. This was due to the casing being extended above grade at a fairly high level.

It is in my professional opinion that all the above work was completed in accordance with COMAR regulations. In reference to the well tag, we have ordered a replacement two times and will order it a third time today. Once we receive the tag, we will notify Howard County Health Department and we will install the replacement tag immediately. In closing, this should bring all the issues regarding Lot #8 at Tridelphia Crossing to resolution. If we can be of any further assistance or if there are any other outstanding issues, please notify us immediately.

Sincerely,

Michael Barlow

President



# 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 #:

58770

Toll Brothers Lot 8

Account #: Company:

Reference: Location:

14306 Roxbury Lake Drive

Requested By:

Fogle's Well Drilling

Glenelg, MD 21737

Source:

Dave Fogle Well Water

Date/ Time Collected: 4/11/2006

0930

Site:

R/O Tap

Date/Time Rec'd:

4/11/2006

1200

Treatment:

Reverse Osmosis

Chlorine ppm: Collected By:

Free: ND V.M. Fadoul Total: ND 6804VF-FS

pH: Well #:

6.2 HO-94-3961

PARAMETERS

RESULTS

UNITS

REFERENCE METHOD 601

DATE/TIME/ANALYS

Nitrate

<1.0

mg/L

10

4/11/2006 / 1510 / BCD

#### NOTES

- 1 mg/L = milligrams per liter (also, parts per million)
- 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
- Sample collected by client, analyzed as received
- pH and Chlorine level tested in lab

Reason for Test:

Use & Occupancy retest 58630

Building Permit #:

B00154759

Date Reported:

4/11/2006

MD State Certification # 133

410-848-0298

Fountain Valley Labs PAGE 1/1

# FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

1413 Old Taneytown Rd. Westminster, MD (410) 848-1014 (410) 876-4554

# REPORT OF ANALYSIS

Laboratory ID #:

58703

Account #:

1930

Reference:

Toll Brothers Lot 8

Company:

Fogle's Well Drilling

Location:

14306 Roxbury Lake Drive

Glenelg, MD 21737

Source:

Requested Bv: Dave Fogle Well Water

Date/ Time Collected: 4/6/2006

1000

Site:

Kitchen Sink Tap

Date/Time Rec'd:

4/6/2006

1341

Treatment

None

Chlorine ppm: Collected By:

Free: ND V.M. Fadoul Total: ND 6804VF-FS

nH: Well #:

HO-94-3961

PARAMETERS

RESULTS

UNITS

REFERENCE METHOD

DATE/TIME/ANALYS

Nitrate

10.7

mg/L

10

601

6.2

4/7/2006 / 1510 / BCD

#### NOTES

- mg/L = milligrams per liter (also, parts per million) 1
- Results less than or within the reference range are considered satisfactory and within potable water limits at the time of 2 sampling.
- 3 ND:None Detected
- Sample collected by client, analyzed as received 4
- 5 pH and Chlorine level tested in lab

Reason for Test:

Use & Occupancy retest 58630

Building Permit #:

B00154759

Date Reported:

4/7/2006

# 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 #:

58630

Account #:

1930

Reference:

Toll Brothers Lot 8

Company:

Fogle's Well Drilling

Location:

14306 Roxbury Lake Drive

Glenelg, MD 21737

Source:

Requested Bv: Dave Fogle Well Water

Date/ Time Collected: 4/3/2006

0930 1318 Site:

Kitchen Sink Tap

Date/Time Rec'd:

4/3/2006

Treatment

None

6.3

Chlorine ppm: Collected By:

Free: ND V.M. Fadoul

Total: ND 6804VF-FS

nH: Well #:

HO-94-3961

PARAMETERS	RESULTS	UNITS R	EFERENCE	METHOD	DATE/TIME/ANALYS
Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0	SM18 9223 B.	4/4/2006 / 1030 / AMD/BCD
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM189223 B.	4/4/2006 / 1030 / AMD/BCD
Nitrate	10.6	mg/L	10	601	4/4/2006 / 1005 / BCD
Turbidity	0.95	NTU	<10	SM18 2130B	4/4/2006 / 1015 / AMD/BCD
Sand	NS	mg/L	5	Visual/Gravimetric	4/4/2006 / 1015 / AMD/BCD

#### NOTES

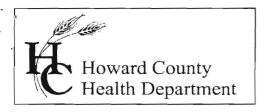
- mg/L = milligrams per liter (also, parts per million) 1
- 2 MPN/100 ml = Most Probable Number [of viable bacteria] per 100 ml of sample.
- 3 NS = None Seen (NS indicates less than 5 mg/L)
- 4 NTU = Nephelometric Turbidity Units
- 5 Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- 6 ND:None Detected
- 7 Sample collected by client, analyzed as received
- pH and Chlorine level tested in lab

Reason for Test: Building Permit #:

Use & Occupancy B00154759

Date Reported:

4/6/2006



7178 Columbia Gateway Drive, Columbia Maryland 21046

(410) 313-1771 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

April 11, 2006

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

#### SENT VIA FACSIMILE 410-489-2278

RE: Triadelphia Crossing, Lot 8 14306 Roxbury Lake Drive Glenelg, MD 21737 BP #: B00154759 Well Permit # HO-94-3961

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 house connection to the septic system was granted on 4/03/2006 by HCHD and Howard County Bureau of Utilities. Final approval of the well line connection to the dwelling was approved on 4/10/2006.

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-94-3961. 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:

4/3/2006, 4/6/2006 & 4/11/2006

Date of Well Completion:

6/02/2004

Approving Authority

Stuart Öster, R. S. Well & Septic Program

cc:

Building Inspector's Office Community Health Services File

