SEQUENCE NO. STATE OF MARYLAND THIS REPORT MUST BE SUBMITTED WITHIN (MDE USE ONLY) 45 DAYS AFTER WELL IS COMPLETED. WELL COMPLETION REPORT (THIS NUMBER ! TO BE PUNCHED FILL IN THIS FORM COMPLETELY NUMBER IN COLS. 3-6 ON ALL CARDS) PLEASE TYPE ST/CO USE ONLY DATE WELL COMPLETED PERMIT NO Depth of Well DATE Received ROM "PERMIT TO DRILL WELL" 320 (TO NEAREST FOOT) OWNER. 36 SYCAMOKE VALLE STREET OR RFD. emodo TOWN = CATTAILCR SUBDIVISION\_ SECTION LOT **WELL LOG GROUTING RECORD** C | 3 Not required for driven wells WELL HAS BEEN GROUTED (Circle Appropriate Box) N **PUMPING TEST** STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING TYPE OF GROUTING MATERIAL (Circle one) HOURS PUMPED (nearest hour) CEMENT CM check if water BENTONITE CLAY BC DESCRIPTION (Use additional sheets if needed) FEET FROM TO NO. OF BAGS 46 NO. OF POUNDS 35 4600 PUMPING RATE (gal. per min.) GALLONS OF WATER DEPTH OF GROUT SEAL (to nearest foot) METHOD USED TO MEASURE PUMPING RATE 52 ft. to \_\_\_\_\_\_ ft. WATER LEVEL (distance from land surface) (enter 0 if from surface) BEFORE PUMPING CASING RECORD casing 70 30 types SIT CO insert WHEN PUMPING appropriate code OIT TYPE OF PUMP USED (for test) below piston turbine MAIN Nominal diameter Total depth top (main) casing of main casing CASING other (nearest inch)! (nearest foot) TYPE centrifugal (describe rotary X below) 60 61 63 64 **J** jet 229 OTHER CASING (if used) diameter depth (feet) from **PUMP INSTALLED** DRILLER INSTALLED PUMP NO (CIRCLE) (YES or NO) IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS. SCREEN RECORD screen type TYPE OF PUMP INSTALLED or open hole PLACE (A,C,J,P,R,S,T,O) 29 SIT BR HO IN BOX 29. insert BEASS CAPACITY: GALLONS PER MINUTE appropriate **BRONZE** HOLE code PL OIT below (to nearest gallon) 35 PUMP HORSE POWER 41 C 2 DEPTH (nearest ft.) PUMP COLUMN LENGTH NUMBER OF UNSUCCESSFUL WELLS: (nearest ft.) 43 CASING HEIGHT (circle appropriate box WELL HYDROFRACTURED and enter casing height) C above CIRCLE APPROPRIATE LETTER LAND SURFACE 24 26 30 32 36 A WELL WAS ABANDONED AND SEALED S WHEN THIS WELL WAS COMPLETED (nearest) **ELECTRIC LOG OBTAINED** 38 39 41 45 47 TEST WELL CONVERTED TO PRODUCTION LOCATION OF WELL ON LOT SLOT SIZE 1\_ 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, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE. SHOW PERMANENT STRUCTURE SUCH AS DIAMETER (NEAREST BUILDING, SEPTIC TANKS, AND /OR OF SCREEN LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES from (MEASUREMENTS TO WELL) Dee plat DRILLERS LIC. NO. M WD GRAVEL PACK L WAS FLOWING WELL INSERT F IN BOX 68 DRILLERS SIGNATURE 68 (MUST MATCH SIGNATURE ON APPLICATION) MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) LIC. NO. 1 JJ D O (E.R.O.S.) SITE SUPERVISOR (sign. of driller or journeyman 74 75 76 TELESCOPE CASING LOG INDICATOR responsible for sitework if different from permittee) OTHER DATA COUNTY DENV-CR00

SEQUENCE	OTATE OF	AAA DVI AND	STA	TE PERMIT NUMBER		
B 1 2526 (MDE USE ONL)	7	MARYLAND	110	911 2200		
1 2 3 6 PERMII 10			110 -	110 - 14 - 3388		
	please p	rint or type	<sup>70</sup> fill in	this form completely 79		
Date Received (APA)		B 3	LOCATION OF	WELL		
ODIA OD OWNER INFORM	MATION 8966	Howard		GC#		
8 MM DD W 13		8 COUNTY		21		
SHORES ELIZABETH		Cattail Cr	eek			
15 Last Name Owner	First Name 34	23 SUBDIVISION		42		
3619 SYCAMORE VALLEY RUI	V I	SECTION L	LOT   29			
36 Street or RFD	.55	44 46	48 50			
GLENWOOD, MD 21738		Glenwood		1. 1		
57 Town 70 State 72	Zip 76	52 NEAREST TOWN		71		
DRILLER INFORMATION		1		2 M 11		
	W.D. and	MILES FROM TOWN (ente	er 0 if in town) 73	2 M I 76 77 78		
George F. Easterday M Driller's Name 76	License No. 81	B 4				
Dinici 3 Name	Elbonico IVo.	1 2	3619 Sv	camore Valley Run		
L. Franklin Easterday, Inc.		DIRECTION OF WELL FROM TOWN (CIRCLE BOX)		FAR WHAT BOAD 30		
Firm Name	im. Md 04774			NOOTU		
9265 Brown Church Rd., MT. A	ury, ma. 2177	N N NE		SIDE OF ROAD		
Address	1	8-9 8-9 8-9	(CIRCLE API	PROPRIATE BOX) W 22 E		
Beares J. Clisteria	4/10/2002			WEST S EAST		
Signature	Date	(TOWN) E	DIG	34 <b>W</b> U 37 SOUTH		
B 2 WELL INFORMATION APPROX. PUMPING RATE —	5	1 , \	Dis	STANCE FROM ROAD Ft.		
1 2 APPROX. PUMPING RATE (GAL. PER MIN.) 8	12	SW SE	21	ENTER FT OR MI 38 39		
AVERAGE DAILY QUANTITY NEEDED	500	8-9 (S) 8-9	TAX MAP:	BLK: 7 PARCEL 0		
(GAL PER DAY) 14	20					
USE FOR WATER (CIRCLE APP	ROPRIATE BOX)		O BE FILLED IN H DEPARTMEN			
DOMESTIC POTABLE SUPPLY & RESIDENT	TAL	III- III	II DEFAITIVIEN	ATTIONAL		
IRRIGATION	,, ,,	HOWAKD		H380'		
FARMING (LIVESTOCK WATERING & AGRIC	ULTURAL	COUNTY NAME		COUNTY NO.		
IRRIGATION		STATE SIGNATURE		INSERT S		
22 I INDUSTRIAL, COMMERICIAL, DEWATERING	1	DATE ISSUED	1 P	09/6 1 141,		
P PUBLIC WATER SUPPLY WELL		04 12 07-	Mark	Klkin 4/12/03		
		43 MM DD YY 48	CO SIGNATU	RE EXP. DATE		
T TEST, OBSERVATION, MONITORING	A	NORTH	EAST GRID	0 0 0		
G GEO-THERMAL		GRID0		63		
		SHOW MAJOR FEATURE	s of jo	11/03 BBOUT		
ADDROVIMATE DEPTH OF WELL	10 Lecer	BOX & LOCATE WELL -				
APPROXIMATE DEPTH OF WELL 24	PEET 28	WITH AN X		8:30 en		
ADDROVIMATE DIAMETER OF WELL	NEAREST	SOURCES OF DRILLING	WATER	NOINSP		
APPROXIMATE DIAMETER OF WELL	INCH	1. wells				
METHOD OF DRILLING (	nirala ana)					
1	Jetted & DRIVEN	3.	===			
BORED (or Augered)  JETTED  ALD DEBaussion	- 4					
AIR-PERCUSSION N	OTARY (Hydraulic Rotary)	WRITE THE BOX NUMBE	R			
CABLE REVerse-ROTary	DRive-POINT	FROM THE MAP HERE	7			
other		_ 780	`	7		
REPLACEMENT OR DEEPEN	IED WELLS	E		00		
(CIRCLE APPROPRIATE E		520	00	00		
N THIS WELL WILL NOT REPLACE AN EXISTIN	G WELL	N				
THIS WELL WILL REPLACE A WELL THAT W	ILL BE	DRAW A SKETCH BELOV				
ABANDONED AND SEALED		RELATION TO NEARBY 1				
S THIS WELL WILL REPLACE A WELL THAT W AS A STANDBY-CONTACT LOCAL APPROVIN			nesod			
FOR POLICY ON STANDBY WELLS	IG AUTHORITT	617	-10-0			
D THIS WELL WILL DEEPEN AN EXISTING WEL	L 1			anne kun		
PERMIT NUMBER OF WELL TO BE REPLACED OR	DEEPENED	Λ/	X	amil of		
(IF AVAILABLE) 41	52	N	SV	ia levi		
Not to be filled in by driller (MDE OR CO	LINTY HSE ONLY		~ '	17:1		
Not to be filled in by driller (NIDE OR CO	ONT OUR ONLT)	1/2	Sal			
APPROP. PERMIT NUMBER	G	(9')/	R			
ATTION LEMMI NOMBER			St. Ad E			
PERMIT No. HO-	97-3588		Za /			
70 71 72	73 74 75 76 77 78 79	1 1		\		
SPECIAL CONDITIONS  NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED =				₩		
NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED =				_		

6/24/02 Anytime

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

File MRs desk

### 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: Telephone #: Address: (Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer License # and name of individual responsible for the field installation: License# \*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: Telephone #: Lot #: 29 Well Tag #: HO - 94-3388 Subdivision: Cattail Creek
Site Address: 36/9 Sycamore Valley Run Submersible Pump Data Pitless Adapter Well Cap and Electric Conduit Make: Make: Two piece watertight cap: Model #: Model#: Screened, vented well cap: Pump Capacity \_\_\_ (36" min) Depth: Cap secured to casing: Well Yield: NSF approved: Conduit min 18" B.G.: Depth of well encountered at time of pump installation: (feet) Conduit secured to well cap: If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4 Torque arrestors or Cable guards are required - Must circle one Safety rope, if used, attached to inside of well casing with eye bolt Piping to house **House Connection** Type: PVC sleeved to undisturbed soil at wall penetration: (160 psi min) Approximate length of sleeve: Depth of supply line: \_\_\_(36" min) Sleeve caulked and sealed properly: 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 date For Health Department Use Only - Not to be completed by Installer Date Insp. Requested: Date Insp. Approved: 4/24 Inspection Data: Pitless adapter and 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 installed inside of well 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 Repl. well. - attached to ex. line. Replaces HO-73-4192 HD-215(Rev. 8/00)



# Fredericktowne Labs, Inc.

3039C Ventrie Ct. • F.O. Box 245 • Myersvalle, MD 21773 • (301) 293-3340 or 694-7133 • FAX 293-2366

### **Certificate of Analysis**

Acct. No. 2983 - 1

Field Record

Site visit performed on: Thursday, July 11, 2002

9:50 AM

by: John Straits

State ID No. 4729JS

Affiliation: Fredericktowne Labs, Inc.

Property Owner:

Elizabeth Shores

Property Address: 3619 Sycamore Valley Run

Glenwood, MD, 21738

Sample Source:

Bathtub

Treatment Devices Noted: Acid Neutralizer

Sample taken after treatment: Yes

Well No.: HO-94-3388

Field pH: 6.9

Res. Cl.: 0.0 mg/l

### Laboratory Report

Sample Received at laboratory: 7/11/02

2:30 PM

#### Bacteriological results:

Total Colif. (/100ml)	E.coli.(/100ml)	Date/Time Analysis Started	Method	Analyst
<1	<1	7/11/02 3:02 PM	9221B	KMW

Bacteriological analysis of this sample indicates the water is safe for human consumption.

### Inorganic Chemical results:

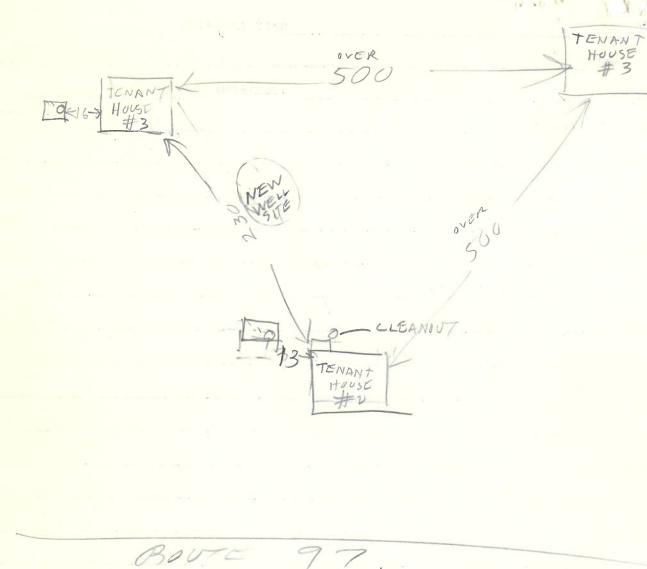
Parameter	Result Units	MCL	Date of Analysis	Method	Analyst
pH - pre neutralizer	5.2		7/11/02	150.1	MM
Turbidity	6.0 NTU	10	7/12/02	180.1	CC
Nitrate-Nitrogen	4.3 mg/l	10	7/12/02	353.2	PH
Sand	<2 mg/l	5	7/13/02	0.065mmFilter	KMW
Hardness	130 mg/l		7/17/02	130.2	CC
iron	0.2 mg/l	0.3	7/12/02	3500-Fe-D	ÇC

Verified by: W. L. Wille / grap 7/17/02

(	1102					*				
411	11:17			SITE INS	PECTION SH	<u>eet</u>		,		
	OWNER:		Sho	165	1	DATE RI	EQUESTED:	4/10	2/02	
	PHONE #:						ctor: $E_a$		day	
	ADDRESS:	3619	Sycamo	re Valley		WELL TA				
	,		/	7		COUNTY				•
	PROPOSAL	repl.	well	request				own =	Low flo	W
		*					Pont	Paren	11,23	1-4192
				······································		:	Top.	2000	4017	11 6
				LOCAT	ION DIAGRA	<u>M</u>	* s		* *	
			D.							
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	COLLIENTS	-4-1	- Lot 4)	(50)	12 101	40,40	001 00	ve top r	1647 (	in the series
	2/7/13			NDICATES	REDI G	)F//	SITE	75' F	RAM E	<u> </u>
	SDA PE			ATTAIL C		2)	V ( / 5mm			<u>'</u>
	DATE:					INS	PECTOR:	•		<del>, ,                                  </del>

C 1 3193 SEQUENCE NO. (OEP USE ONLY)	STATE OF MARYLAND WELL COMPLETION REPORT	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.		
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)	FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE	NUMBER A 3/964		
(OEP use only)  DATE WELL COMPLETE	Depth of Well	PERMIT NO. FROM "PERMIT TO DRILL WELL"		
8 1 3 15 20	22 (TO NEAREST FOOT)	1 26 28 29 30 31 32 33 34 35 36 37		
OWNER _ Edgewood Farms	Inc. (Richardson)	10 17 30 3 11 00 3 33		
STREET OR RFD Md R+	first name TOWN 6	lenwood.		
SUBDIVISIONWELL LOG	SECTION	LOT		
Not required for driven wells STATE THE KIND OF FORMATIONS	WELL HAS BEEN GROUTED (Circle Appropriate Box)	C 3		
PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING DESCRIPTION (Use FFFT   Check	TYPE OF GROUTING MATERIAL  CEMENT CM BENTONITE CLAY B C	PUMPING TEST HOURS PUMPED (nearest hour)		
additional sheets if needed) FROM TO Check if water bearing	45 46	8 9		
P. ch.	GALLONS OF WATER	PUMPING RATE (gal. per min. to nearest gal.)		
CHIMON SHOW 0 18	from ft. to the following ft. to (enter 0 if from surface) sortom 58 ft.	METHOD USED TO MEASURE PUMPING RATE WATER LEVEL (distance from land surface)		
San dam 18 23	casing CASING RECORD types insert S T CO	BEFORE PUMPING		
	appropriate STEEL CONCRETE	22 25		
gray granite 23 285 v	below PLASTIC OTHER	TYPE OF PUMP USED (for test)  A air  P piston  T turbine		
	MAIN Nominal diameter Total depth CASING top(main)casing of main casing	C centrifugal R rotary O other (describe		
	TYPE (nearest inch) (nearest foot)	27 27 below)  J jet S submersible		
	60 61 62 64 66 70  E OTHER CASING (if used)	27 27		
	A diameter depth (feet)			
	C	PUMP INSTALLED YES NO DRILLER WILL INSTALL PUMP		
	ZG	(CIRCLE APPROPRIATE BOX)  IF DRILLER INSTALLS PUMP, THIS SECTION		
	screen type SCREEN RECORD or openhole	MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE		
	insert ST BR HO	TYPE OF PUMP (WRITE APPROPRIATE LETTER IN BOX - SEE ABOVE: (A, C, J, P, R, S, T, O)		
	code below STEEL BRASS, OPEN HOLE PL OT	CAPACITY: GALLONS PER MINUTE		
	PLASTIC OTHER	(to nearest gallon)		
	C 2   Seq. no.) 5 DEPTH (nearest ft.)	PUMP HORSE POWER  ST  PUMP COLUMN LENGTH(nearest ft)		
	E A C 8 9 11 15 17 21	CASING HEIGHT (circle appropriate box and enter casing height)		
	H	+ above LAND SURFACE		
CIRCLE APPROPRIATE BOX	S 2 2 26 30 32 36 E 23 24 26 30 32 36	below (nearest i foot)		
A WELL WAS ABANDONED AND SEALED	N 3 39 41 45 47 51	LOCATION OF WELL ON LOT		
WHEN THIS WELL WAS COMPLETED  ELECTRIC LOG OBTAINED	SLOT SIZE 1 23	SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND/OR LANDMARKS AND INDICATE NOT LESS		
P TEST WELL CONVERTED TO PRODUCTION WELL	OF SCREEN INCH)	THAN TWO DISTANCES (MEASUREMENTS TO WELL)		
HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 10.17.13 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED	from to  GRAVEL PACK	A V		
TION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.	IF WELL DRILLED WAS	1 3 / = 3		
DRILLERS IDENT. NO.	OEP USE ONLY	ME/ Jus		
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION	(NOT TO BE FILLED IN BY DRILLER)  T (E.R.O.S.) W Q	4,67		
	70 72 75 76			
SITE SUPERVISOR (sign.of driller or journeyman responsible for sitework if different from permittee)	TELESCOPE LOG OTHER DATA CASING INDICATOR			

5/2 <b>6</b> /82
FILE Emergency Well Site Check DATE REPORTED 5/25/82
PROPERTY OWNER estate of Howard Clark
P.O. ADDRESS 3607 Md. Rfe. 97 TELEPHONE
DIRECTIONS TO PROPERTY Southon Rte 97 almi part Burntwoods Rouleft Chainacross driveway
INFORMANT Peggy Richardson 489-7035
3tenant houses nowshare Iwell
new well will service I house
NO RECORD OF SEPTICS YSTEMS
CONDITION FOUND 5/26/82 TALKED TO George Ruchenglson
agent of owner. He said they have water but
donot think it is enough for 3 houses
Propose to put a new well to serve
Tenant Houses # 3 & # 2. New well
to be between these Two Tenant Houses
JOOFT or more from the septer system
· ACTION TAKEN for these too tenant Houses
6/2/82 Tag # 140-73-4192 gim to MVS, Jos, Mayne F.S.
FINAL DISPOSITION



## Howard Cu y Health Department

To: File Cattail Creek 29 File mishandled after repl. well site insp due to uncertainty Afre: Proximity of adj. SDA (Peacefields 4); SDA concluded to be 175 away - OK Orig permit stated original well to be standby, but no fee paid & new well has 100 GPM Now went indicates personing well may be filled upon arrival of spring from weather; if not, fee will be paid allowing for release of BP for pate: HD-170