C1 1116 SEQUENCE NO. (DENV USE ONLY) (THIS NUMBER IS TO BE PUNCHED	STATE OF MARYLAND WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED. COUNTY NUMBER
IN COLS. 3-6 ON ALL CARDS) ST/CO USE ONLY DATE Received B 13 15 20	PLEASE PRINT OR TYPE ED Depth of Well 22 22 (TO NEAREST FOOT)	NUMBER      PERMIT NO.        FROM "PERMIT TO DRILL WELL"
last name	first name TOWN	LOODENC
SUBDIVISION	10WN	LOT 6
WELL LOG Not required for driven wells STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING	GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box) TYPE OF GROUTING MATERIAL	C 3 1 2 PUMPING TEST HOURS PUMPED (nearest hour)
DESCRIPTION (Use FEET Check additional sheets if needed) FROM TO bearing	CEMENT C M 45 46 NO. OF BAGS NO. OF POUNDS	PUMPING RATE (gal. per min.
Top Soit 02 Brown State 7 6	GALLONS OF WATER DEPTH OF GROUT SEAL (to nearest foot) from ft. to ft. 48 TOP 52 ft. 54 BOTTOM 58 ft. (enter 0 if from surface)	to nearest gal.) 11 15 METHOD USED TO MEASURE PUMPING RATE WATER LEVEL (distance from land surface) BEFORE PUMPING 17 20
Du-581 to 6 45 Barons1 to 4555	casing <u>CASING RECORD</u> types insert appropriate code below PLASTIC OTHER	WHEN PUMPING TYPE OF PUMP USED (for test) A air P piston T turbine 27 27
Brown State 90 95 - Blue State 95 305	MAIN Nominal diameter Total depth CASING top (main) casing of main casing TYPE (nearest inch) (nearest foot)	C  centrifugal  R  rotary  O  other (describe below)    J  jet  S  submersible
Brown State 90 95	60 61 63 64 66 70	27 27
Blustate 95305	C diameter depth (feet) H inch from to	PUMP INSTALLED DRILLER WILL INSTALL PUMP YES NO
	Screen type or open hole insert appropriate code below STEEL BRASS BRONZE PL OT PLASTIC OTHER C2 1 2 DEPTH (nearest ft.) E A 2 23 24 26 30 32 36	CIRCLE) (YES or NO)      IF DRILLER INSTALLS PUMP, THIS SECTION      MUST BE COMPLETED FOR ALL WELLS      EXCEPT HOME USE      TYPE OF PUMP INSTALLED      PLACE (A,C,J,P,R,S,T,O)      IN BOX - SEE ABOVE:      CAPACITY:      GALLONS PER MINUTE      (to nearest gallon)      PUMP HORSE POWER      PUMP COLUMN LENGTH      (nearest ft.)      43      47      CASING HEIGHT (circle appropriate box and enter casing height)      49      LAND SURFACE      (nearest foot)
A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED	R 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	LOCATION OF WELL ON LOT A SHOW PERMANENT STRUCTURE SUCH AS
E ELECTRIC LOG OBTAINED P TEST WELL CONVERTED TO PRODUCTION WELL	SLOT SIZE 1 2 3 DIAMETER (NEAREST OF SCREEN 56 60 INCH)	BUILDING, SEPTIC TANKS, AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)
THEREBY 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 PRE- SENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.	56  60    from  to    GRAVEL PACK	1 2 600 th wall
DRILLERS IDENT. NO.	OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)	2 4
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)	T (E.R.O.S.) W Q 74 75 76 70 72 72	2 Sabrino Farma
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)	TELESCOPE LOG OTHER DATA CASING INDICATOR	Tolde link
and the second s	COUNTY	

	MERGENCY/TEMP NO. IF ANY		
B 1 2171 SEQUENCE NO. (DP USE ONLY)	PERMIT TO	MARYLAND DRILL WELL	STATE PERMIT NUMBER
Date Received (APA)		B 3	LOCATION OF WELL
8 13 15 Last Name Owner Fi 36 Street or RFD	irst Name 34	8 COUNTY 23 SUBDIVISION	
57 Town	55 state 72 Zip 76	SECTION 44 46 52 NEAREST TOWN	
DRILLER INFORMATION	77 License No. 80	MILES FROM TOWN (enter	r 0 if in town) 73 76 77 78
Firm Name Address	MH. Fliey Md.	DIRECTION OF WELL FROM TOWN (CIRCLE BOX)	11 NEAR WHAT ROAD 30
B 2 WELL INFORMATION	7549 Date		ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
<sup>1</sup> <sup>2</sup> APPROX. PUMPING RATE (GAL. PER MIN.) AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY)			34 37 DISTANCE FROM ROAD ENTER FT or MI
USE FOR WATER (CIRCLE APPROF D HOME (SINGLE OR DOUBLE HOUSEHOL F FARMING (LIVESTOCK WATERING & AGR IRRIGATION) 1 INDUSTRIAL, COMMERCIAL, STATE AND F OTHER (REQUIRES APPROPRIATION PER PUBLIC OR PRIVATE WATER COMPANY ( P APPROPRIATION PERMIT AND STATE HEA APPROVAL) T TEST, OBSERVATION, MONITORING (MAY APPROPRIATION PERMIT)	D UNIT ONLY) ICULTURAL FEDERAL GOV. RMIT) REQUIRES ALTH DEPARTMENT	COUNTY NAME STATE SIGNATURE DATE ISSUED	38 39 NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL A - 35020 COUNTY NO. INSERT S 41 SIGNATURE EAST GRID 57 63
	28 FEET NEAREST NCH	SHOW MAJOR FEATURE BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING 1.	8/10/87 2130817
METHOD OF DRILLING    (circl      BORED    (or Augered)    JETTED      30    AIR-ROTary    AIR-PERcussion    RC      37    CABLE    REVerse_ROTary      other	le one) Jetted & <u>DRIVEN</u> <u>DTARY</u> (Hydraulic Rotary) <u>DR</u> ive- <u>POINT</u>	2. 3. WRITE THE BOX NUMBE FROM THE MAP HERE E	WATER Substant
REPLACEMENT OR DEEPENED (CIRCLE APPROPRIATE BOX) IN THIS WELL WILL NOT REPLACE AN EXIS THIS WELL WILL REPLACE A WELL THA ABANDONED AND SEALED 39 S THIS WELL WILL REPLACE A WELL THA AS A STANDBY D THIS WELL WILL DEEPEN AN EXISTING	STING WELL AT WILL BE JIG AT WILL BE USED	RELATION TO NEARBY T	V SHOWING LOCATION OF WELL IN TOWNS AND ROADS AND GIVE TO NEAREST ROAD JUNCTION
PERMIT NUMBER OF WELL TO BE REPLACED (IF AVAILABLE) 41	52	Rect onno san	
		cid t	Fredrick Rd
	74 75 76 77 78 79		785
SPECIAL CONDITIONS	States .		and the second second

		FIELD DATA S	HEET	
		HOWARD COUNTY WELL		
			and the sector as a sector as	
Vell Permit No Location of pr	$HO = \frac{88 - 02}{(road)}$	(that Dosady	· SOBANG FAMAS	
ubdivision	SOBLING FARM		6 Block Plat	
Vell Driller _			I LAND Design +	Development
	of well 305	oint (M.P.) above gr	·	
Static	water level (S.W	L.) below M.P.	40"	
	pumping rese			
			Dumning nato 10 C	em
Total ti	me the to	reach pumping water	Pumping rate 10 G level 225 ft. 1	below M.P.
			recorded every 15 minut	
TIME (in 15	WATER LEVEL	PUMPING RATE	FLOW METER READING	CALCULATED FLOW
minute in-	below M.P.	time to fill 51	(if used)	(gallons per
tervals		gallon bucket		minute)
7:15	225'	25 sec	· · · · · · · · · · · · · · · · · · ·	2+GPM
7:30	225'	Ison		2+GPM
7:45	225'	aspic		2+GPM
8:00	225'	Isan		3+GPM
8:15	225'	Isple		2- GPTY
9:30	225'	25 pec		2+QPM
P:45	225	25 pc		2+GPM
9:00		ason		2+apm
9:15	225'	as sec		2+GPM
9:45	225'	25 Dec		2+GPM
Company of the	225'	asser		2+GPM
10:00	225'	= 25 Rec.		2+GPM 2+GPM
10:15	225'	ason		2+GPM
10:30	225'	25 pt	and the second sec	2+QPM
10:45	225'	25 pre		2 - GPM
11:00	225'	25 Rec		2+ 6.Pm
11:15		25 pic		2+CPM
11:30	225' 225'	35 sec		2+ GPM
		25 24		2+QPM
	1215'			
12:00	225'	25 sec		and the second
12:15	225'	25000		0+GPM
11:45 12:00 12:15 12:30 12:45				and the second

HD-224

21Pl 20'open 5 Bog

Page of Date		6 Am 6 h P T 8/11/89	Review _	
		FIELD DATA S HOWARD COUNTY WELL		
Location of pro Subdivision Well Driller Depth o. Distance Static o	f well <u>30</u> e of measuring p	SIBANG FARAS SLOT Owne 5 0 int (M.P.) above gr .L.) below M.P. 4	c4. <u>6</u> Block <u>Plat</u> r <u>(awd Design Arvd</u> oupd <u>1</u>	Sec Deuclopman T
Time pum Total ti	p started <u>6:</u> me <u>to</u>	)) reach pumping water	Pumping rate <u>10 G</u> level <u>ft.</u> recorded every 15 minu	
TIME (in 15	WATER LEVEL		FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
12:15	225'	25 sec	<u> </u>	2.4 GPM
	8/11/89 VI	SUAL CLAR O SAMPLE	TAKEN M	

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HD-224

#### HOWARD COUNTY HEALTH DEPARTMENT BUREAU 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: Allied Well Dolling \_\_\_\_\_ Telephone #: 301-776-Address: PO Box 129 Annapolis Junchia MD 20701 (Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer License # and name of individual responsible for the field installation: License# MSD \_106 Name (Print): Marshal Arrute \*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: Mark+Chinstine Phipps\_\_\_\_\_\_ Telephone #: 5\_\_\_\_\_\_ Telephone #: \_\_\_\_\_\_ Lot #: \_\_\_\_\_ Well Tag #: HO -88 - 0990 05/07/2018 @ Subdivision: Sobring Farms Site Address: 631 Sobring Farms Ct Woodbine mD 21797 Submersible Pump Data Well Cap and Electric Conduit **Pitless Adapter** Make: Gould 5 Make: <u>77.1</u> Model#: <u>7-100-55</u> Depth: <u>36+ (</u>36" min) Two piece watertight cap: / 1220 Model #: 0 1510-5 Screened, vented well cap: Cap secured to casing: **GPM** Pump Capacity 10 Well Yield: **GPM** NSF/WSC approved: Conduit min 18" B.G.: Depth of well encountered at time of pump installation: 305' (feet) Conduit secured to well cap: une 2 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 **House Connection** Piping to house PVC sleeve to undisturbed soil at wall penetration: <u>Yes</u> Length of sleeve(5' minimum from foundation): <u>6</u> Type: PSI: 200 (160 psi min) Depth of supply line: 367 (36" min) Sleeve 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. and Signature of company representative responsible for installation For Health Department Use Only - Not to be completed by Installer Date Insp. Requested: 57208 Date Insp. Approved: 59208 Inspector:  $36^{\circ}$  slape  $36^{\circ}$  s 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 - 16" 5/9/2018@ - 6' 5/7/2018@ 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 Smudge Eslala LINE CONNECTION



Bureau of Environmental Health 8930 Stanford Blvd | Columbia, MD 21045 410.313.2640 - Voice/Relay 410.313.2648 - Fax 1.866.313.6300 - Toll Free

Maura J. Rossman, M.D., Health Officer

### **INTERIM CERTIFICATE OF POTABILITY** Expiration Date – JANUARY 3, 2019

July 3, 2018

Homeowner 631 Sobrina Farm Court Woodbine, MD 21797

RE: Sobrina Farms, Lot 6 631 Sobrina Farm Court Building Permit: B17003727 Well Permit: HO-88-0990

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 4/20/2018. Final approval of the well line connection to the dwelling was granted on 5/9/2018. The well construction was completed on 8/11/2018. Water samples were collected on 6/22/2018, 6/29/2018.

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-88-0990. 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



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Maura J. Rossman, M.D., Health Officer

In closing, please refer to our "<u>Homeowner Fact Sheet</u>" which illustrates a better understanding for your Onsite Sewage Disposal System. You will also find a link to Maryland Department of the Environments website which describes in further detail operation and maintenance of your septic system.

Approving Authority,

- n. mut

Kevin M. Wolf, LEHS, R.S./REHS, Supervisor Groundwater Management Section Well & Septic Program

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

ENVIRONMENTAL TESTING	LAB, INC - CHA		162592 Date Due:
<u>ANNAPOLIS</u> 410-224-4304 FAX 443-924	5-0586 410-22		Client: Hague Quality Water Project:
Company Name, Address Phone & Fax	Testi	ng Address	
Nagure	131 SOBRI STREET WEST FRID CITY	NA FORMS NASHIP, MC STATE	ZIP
Send Report By: Fax Postal Service	Email		
THIS FORM WILL BE ATTACHED A	IS A PERMANENT PART	OF YOUR FINAL R	EPORT
FIELD COLL      Collected: Date    4/22/13    Time      Collectors Name:    Time    EDWARDS      Collectors Signature :    Kannes	ECTION INFORMA <u>1.30</u> Well Certification #	TION Tag#: 	Expires 7/19
Collectors Signature : Hann	Circle One: PR	IVATE WELL or C	CITY WATER
pH: <u>6-3</u> Chlorine, Total mg/L: Results f	or U & O Permit ? TDS	NO Sample Clear w	vhen drawn? YES NO
Sand present? YES DD If "YES" submit one liter of s Sample Tap Bacteria: <b>BATHROUM</b> SINK	ample to lab for testing		
Bacteriological TestNext Day 11:30	Next Da	iy 3:30	2 Day
FULL Chemical Analysis (Iron, Nitrite/Nitrate, Turbidity, Lead)	Next Day	2 Day	3 Day
BASIC Chemical Analysis (Iron, Nitrite/Nitrate, Turbidity)	Next Day	2 Day	3 Day
Lead Arsenic	Next Day	2 Day	3 Day
Cadmium	2 Day	4 Day	6 Day
Radium Gross Alpha	One Week	2 Week	
Special Instructions :			
Released By: 6 29 8 Bate: C 29 Time 12	Received By:		
Released By: Date:Time	Received By:		
(*) TAT: is by Close of Business; Samples for chemical a TAT's are a good fa	nalysis received at 1:30 or l ith estimate and are not gua		nteed "Next Day" results.
LABORATORY SAMPLE RECIEPT INFORMATION	1		
Samples Delivered on ICE: YES NO N/A Add Quality		Holding Time S	ample VolumeFrozen
Received in LAB By: Date: 6/29/18	Time 12:30pm		
Ver: 08042015			

## Environmental Testing Lab Inc.

108 Old Solomons Island Rd Annapolis, MD 21401

State Certified Water Quality Laboratory # 106



3430 Rockefeller Ct Waldorf, MD 20602

State Certified Water Quality Laboratory # 139

**Certificate of Analysis** 

Hague Quality Water 814 E. College Parkway Annapolis, MD 21409 Project Date Received 6/29/2018 Date Reported 7/1/2018

This report is the sole property of Hague Quality Water. Any questions about the report MUST be directed to Hague Quality Water at (410) 757-2992.

Environmental Testing Lab is not at liberty to discuss this report without written consent from Hague Quality Water.

Sample No: 162592-01 Location: 631 Sobrina Farms Ct		Sampled: 6/29/2		18 11:30:0 Sampler:		TEdwards8309TE	(Exp. 5/18/2019)	
			Preservation:		Ice			
West	t Friends	ship, MD			Sample	Point:	Bathroom	
Parameter		Method	Result	Qualifiers	Units	RL	Test Date	Analyst
Bacteria-Total Col	iform	Colitag Test	Absent/Pass		Per/100ml	1	06/29/2018	LC-106
Bacteria-E.coli		Colitag Test	Absent/Pass		Per/100ml	1	06/29/2018	LC-106

Field Test(s) such as chlorine and pH are reported on the attached COC form. "NT" means Not Tested

Approved By

Daniel J. Brumsted, Laboratory Director

# Environmental Testing Lab Inc.

108 Old Solomons Island Rd Annapolis, MD 21401

State Certified Water Quality Laboratory # 106



3430 Rockefeller Ct Waldorf, MD 20602

State Certified Water Quality Laboratory # 139

**Certificate of Analysis** 

Hague Quality Water 814 E. College Parkway Annapolis, MD 21409 Project Date Received 6/22/2018 Date Reported 6/26/2018

This report is the sole property of Hague Quality Water. Any questions about the report MUST be directed to Hague Quality Water at (410) 757-2992.

Environmental Testing Lab is not at liberty to discuss this report without written consent from Hague Quality Water.

Sample No: 162363-01 Location: 631 Sobrina Woodbine, 1		Sampled:	6/22/2018 10:00:	Preserv		TEdwards8309TE Ice	(Exp. 5/18/2019)
woodbing, I					Point:	Pressure Tank	
Parameter	Method	Result	Qualifiers	Units	RL	Test Date	Analyst
Bacteria-Total Coliform	Colitag Test	Present/Fail		Per/100ml	1	06/22/2018	LC-106
Bacteria-E.coli	Colitag Test	Absent/Pass		Per/100ml	1	06/22/2018	LC-106
Iron, Total	SM 3500 D	Not Detected		mg/l	0.05	06/26/2018	DB-139
Turbidity	EPA 180.1	2		NTU	0.5	06/26/2018	RM-139
Nitrate + Nitrite as N	EPA 353.2	Not Detected		mg/l	1	06/25/2018	DB-139
H	Field	6.8		pH Units	1	06/22/2018	-

Field Test(s) such as chlorine and pH are reported on the attached COC form. "NT" means Not Tested.

Approved By

Daniel J. Brumsted, Laboratory Director

Ph 410-224-4304 Fax 443-926-0586