CI	42307		QUENC DE USE		STATE OF MARYLAND	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
1 2					WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY	COUNTY
IN COLS. 3-6 ON ALL CARDS) ST/CO USE ONLY DATE WELL COMPL				COMPL	PLEASE TYPE ETED Depth of Well	NUMBER PERMIT NO.
DATE Received					1/2 22 500 26 /	5/2/169c 28 28 30 31 32 33 34 35 36 37
OWNE		ens	Jur	7.14	mes first name	
	VISION 1	thin	y E	am	TOWN F	LOT 13
	WELL		·	.,	GROUTING RECORD (yes) no	C 3
STATE	Not required for THE KIND OF FORMAT PR, DEPTH, THICKNESS			THEIR	WELL HAS BEEN GROUTED (Circle Appropriate Box) TYPE OF GROUTING MATERIAL (Circle one)	PUMPING TEST
	R, DEPTH, THICKNESS	-	ATER BE	check if water	CEMENT CM BENTONITE CLAY BC	HOURS PUMPED (nearest hour)
additional	sheets if needed)	FROM	то	bearing	NO. OF BAGS NO. OF POUNDS 25438	PUMPING RATE (gal. per min.) 3.5
	Brown to	0	67		DEPTH OF GROUT SEAL (to nearest foot)	METHOD USED TO MEASURE PUMPING RATE
	reel novem				from 0 ft. to 55 ft.	WATER LEVEL (distance from land surface)
					(enter 0 if from surface)	BEFORE PUMPING 38 ft.
	Gray	67	195		types insert ST CO	17 20
	m ca		. (1)		appropriate STEEL CONCRETE	WHEN PUMPING 25 ft.
	4 .1.			1	below PLASTIC OTHER	TYPE OF PUMP USED (for test) A air P piston T turbine
	White	195	194	/	MAIN Nominal diameter Total depth CASING top (main) casing of main casing	27 27 other
					TYPE (nearest inch)! (nearest foot)	C centrifugal R rotary O (describe below)
	brus	101	lini		60 61 63 64 66 70	J jet S submersible
	mica	196	436		A diameter depth (feet)	27 27
				1	H inch from to	PUMP INSTALLED DRILLER INSTALLED PUMP VES NO
	White	436	437	V	S	(CIRCLE) (YES or NO)
1		1/-	127		G	IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.
	land			,	screen type or open hole ST BR HOD	TYPE OF PUMP INSTALLED PLACE (A,CMP,R,S,T,O) 29
	10/11/04	437	500		insert steel BRASS OPEN Appropriate BRONZE HOLE	IN BOX 29.
	ponex				code below PL OT	GALLONS PER MINUTE (to nearest gallon) 31 36
1				* *,	PLASTIC OTHER	PUMP HORSE POWER
NUMBE	R OF UNSUCCESSE	UL WEEL	S:		C 2 DEPTH (nearest ft.)	PUMP COLUMN LENGTH (nearest ft.)
WELL H	YDROFRACTURED		yes	N	E 8 9 11 15 17 21	CASING HEIGHT (circle appropriate box and enter casing height)
-	CIRCLE APPROP	RIATE LE			C H 23 24 26 30 32 36	above LAND SURFACE
	WELL WAS ABANDON HEN THIS WELL WAS	ED AND S	EALED		23 24 26 30 32 36 S C 3	below DZ (nearest) foot)
E ELECTRIC LOG OBTAINED TEST WELL, CONVERTED TO PRODUCTION				4	R 38 39 41 45 47 51	49 50 51
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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				HE ABOVE RESENTED	DIAMETER (NEAREST INCH) 56 60	(DEFAULT COORD. WGS 84)
HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.					from to	Pursuant to \$10-624 of the State Govt. Article of the Maryand Code personal info. requested on
DRILLERS LIC. NO. 1 M SD 009				9 ,	GRAVEL PACK IF WELL DRILLED	this form is used in processing this form pursuant to COMAR 26.04.04. Failure to provide the info.
DRILLERS SIGNATURE					WAS FLOWING WELL INSERT F IN BOX 68 68	may result in this form not being processed. You have the right to inspect, amend, or correct this
(MUST MATCH SIGNATURE ON APPLICATION)					MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q	form. The Maryland Department of the Environment is subject to the Maryland Public
LIC. NO.1 D 1						Information Act. This form may be made available on the Internet via MDE's website and is
SITE SUPERVISOR (sign. of driller or journeyman					70 72 TELESCOPE LOG 74 75 76	subject to inspection or copying, in whole or in part, by the pulic and other governmental agencies, if not protected by federal or state law.
responsible for sitework if different from permittee)				100)	CASING INDICATOR OTHER DATA	
MOEAN	AA/PER.071	-			COUNTY	

MDE/WMA/PER.071

B 1 38287 SEQUENCE NO.	STATE OF I	MARYLAND	STATE PERMIT NUMBER 40 - 15 - 0207
1 2 3	50 HOL please		70 fill in this form completely 79
Date Fieceward (APA) 8 MM DD YY 13 15 Last Name Wener 36 Street or RFD 57 Town 70 State DRILLER INFORMATION	First Name 34 20 55 72 Zip 76	B 3 8 COUNTY 23 SUBDIVISION SECTION 44 46 52 NEAREST TOWN	LOCATION OF WELL FORM EStates LOT 48 50
Firm Nature B 2 WELL INFORMATION AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) Property of the period of the peri	1/20/16 Date 5 500 12 20	SOURCES OF DRILLING WATER 1. WELL WORKE 2. 3.	ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) 34 200 37 DISTANCE FROM ROAD ENTER FT OR MI 38 39 TAX MAP: US BLK: S PARCEL
USE FOR WATER (CIRCLE AP DOMESTIC POTABLE SUPPLY & RESIDE RRIGATION F FARMING (LIVESTOCK WATERING & AGI IRRIGATION) 1 INDUSTRIAL, COMMERCIAL, DEWATERIN P PUBLIC WATER SUPPLY WELL T TEST, OBSERVATION, MONITORING O OPEN LOOP GEOTHERMAL C CLOSED LOOP GEOTHERMAL	NTIAL	HOWARD COUNTY NAME STATE SIGNATURE DATE ISSUED 6 43 MM DD YY 48	COUNTY NO. INSERT S CO SIGNATURE CO SIGNATURE
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HOWARD COUNT HEATTH DEPARTMENT SURBAU OF ENVIRONMENTAL HEALTH WELL SEPTIC PROGRAM TEL: (HIDTIS-1771 PAY: (HIDTIS-12648

. Information Form for the Installation of the Well Power, Filless Adapted, and Supply From

	NOTE: The installer is responsible in requesting an inspection pains to 9 am on the day of the desired inspection. No work is to be covered until approved by the Health Department. All installations nunsiconomyly with the Petinonal Standard Plumbing Cride (NPC, as amended locally) and COMAR 26.04.04 (MD Well Construction Regardinars). Submission of a countate form is required prior to Use and Occurancy among any one.
	Company Name POORS WILL ANNIEW TRUTMENT, UC 10 795 5070.
·· · ·	[Minstricterne] Livered Plander Lisenses Well Deiller Licensed Well Pump, Installer License Hand pane of individual responsible for the field installation: Name (Pimt): DOVO COOO. Livered WSD220 A Ticknest individual most perform the actual indulation. Apprentices most be united the supervision of a fire supervision of the supervision of the supervision of the supervision.
	ver mission. Unlikeneed individuals may be reported to the appropriate breasing agency.
	Name of Property Owner [W] 10 WSD WA WOMER PROPERTY 10 WEI Tag 10 - 15 - 0207 (10 2) 1 2007 (10 2) 1 2007 (10 2) 1 2007 (10 2) 1 2007 (10 2) 1 2007 (10 2) 1 2007 (10 2) 1 2007 (10 2) 1 2007 (10 2)
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	Expuny capacity exceeds well yield, a low water catoff switch is required by NSPC 1990 Section 17.24 Transparatestors, Calab guards, or other acceptable method used—Musicardo one
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1	12.141201C
	Sie paise of crimpany representative explainable formstallation date.
Ex	For Health Department Use-Only—Not to be completed by Installer Date losp Requested: 2 4 206 Date losp. Approved: 2 4 206 Inspection 12 4 206 Date losp. Approved: 2 4 206 Inspection Date. Piless aliaptes wateringth & watersupply line at least 36 below grade.
~ <u>.</u>	Two piece cap installed and attached to easing securely Electrombrit extends at least 18 below gradulattached to cap properly Safety rope not consider of well captasing Connect well tag attached properly and casing 8° above sinished gradu. 10° 12 H 2009 (1)
-	Water supply line steewed adequate at house connection Adequate supply line steewed adequate at house connection Adequate supply line steewed adequate and a supple supp

Date: April 12, 2016

FIELD DATE SHEET HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO-15-0207

Location of Property: Lime Kiln Rd Fulton, Md

Subdivision: Westland Farm Estates Lot: 13

Well Driller: Allen Compton Owner: Williamsburg Homes

Depth of Well: 500'

Distance of measuring point (M.P.) above ground: 1'

Static water level (S.W.L.) below M.P.: 38'

High rate pumping -reservoir Drawdown

Time pump started: 8:30 Pumping rate: 8.5

Total time _90 Mins _____ to reach pumping water level _170 ft. below M.P.

Recovery pump test data – observations to be recorded every 15 minutes

TIME (in 15	WATER LEVEL	PUMPING RATE	FLOW METER	CALCULATED FLOW
minute intervals)	Below M.P.	Time to fill 1	READING	(gallons per
		gallon bucket	(if used)	minute)
8:30	38'	7 Seconds		8.5 gpm
8:45	79'	7		8.5 gpm
9:00	109'	8 Seconds		7.5 gpm
9:15	135'	9 Seconds		6.6 gpm
9:30	152'	10 Seconds		6 gpm
9:45	164'	11 Seconds		5.5 gpm
10:00	170'	24 Seconds		2.5 gpm
10:15	170'	24		2.5 gpm
10:30	170'	24		2.5 gpm
10:45	170'	24		2.5 gpm
11:00	170'	24		2.5 gpm
11:15	170'	24		2.5 gpm
11:30	170'	24		2.5 gpm
11:45	170'	24	·	2.5 gpm ·
12:00	170'	24		2.5 gpm
12:15	170'	24		2.5 gpm
12:30	170'	24		2.5 gpm
12:45	170'	24		2.5 gpm
1:00	170'	24		2.5 gpm
1:15	170'	24		2.5 gpm
1:30	170'	24		2.5 gpm
1:45	170'	24		2.5 gpm
2:00	170'	24		2.5 gpm
2:15	170'	24		2.5 gpm
2:30	170'	24		2.5 gpm
2:45	170'	24		2.5 gpm
3:00	170'	24		2.5 gpm
3:15	170′	24		2.5 gpm
3:30	170'	24		2.5 gpm
3:45	170'	24		2.5 gpm
4:00	170'	24 Seconds		2.5 gpm

HOWARD COUNTY HEALTH DEPARTMENT SURPAIL OF ENVIRONMENTAL HEALTH WELL ESEPTIC PROGRAM TELL (SUBSIS-1711 PAY: (SUBSIS-1648)

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with the Pational Standard Plumbing Code (NPC, 25 smended locally) and COMER 26.84.84 (MD Well
Construction Republicans). Submission of a countete form is required prim to Use and Occurrancy approval.
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Company Name POOPS WILL AIM DE WOLL THE PROPERTY 410 795 5070
Contrate Amin (DIVI) AMINITA WAY IN TOTAL
Aidress 580 Obrecht Rd
Sykesville, mp 71797
Ministrational Lineared Plumber Distract Well Deiller Lineared Well Proop, Installer
Lacrass and pane of relividual responsible for the field installation:
Name (Print): David C FOQ 6. Linearet WSD 226
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permittim. Uniterest individuals may be reported in the appropriate incensing agency.
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Subdivision Western Forms Late 13 West Tage BO-15-0207
Subdivine MCS (MV) Farm S/ Let 13 Will Tag TO-15-0207
Stibilization West and Forms/ Late 13 Well Tage 10-15-0207 (18) 2 12 14 2009
Fulton mo 20759
Salvanaille Prom Date Filles Alanier Well Can and Electric Constant
Make Grind for Make Campbell. Two piece water fight care 465
Model 1566 E15-290 . Model N A Screens and well of 15
Pump Capatary 15: GPM Depthe 36 G6 min) Cap secured to testing 15
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Well Year 2.5 GPM NSEWSCampowed NS Combination 18 E.G.
Depth of well cocumicaed at time of pump installating 500 (first) Conduit second in well cap?
7 - 12 7 - 12 7 - 17 - 17 - 17 - 17 - 17
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Figure to home Type
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Experimental forms Figure 1" DON DIPP PVC shows to indistincted soil at well penetrative. MF Extraction of the state of
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Bureau of Environmental Health

8930 Stanford Boulevard, Columbia, MD 21045 Main: 410-313-2640 | Fax: 410-313-2648 TDD 410-313-2323 | Toll Free 1-866-313-6300 www.hchealth.org

Facebook: www.facebook.com/hocohealth Twitter: HowardCoHealthDep

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

TO ALL INTERESTED PARTIES

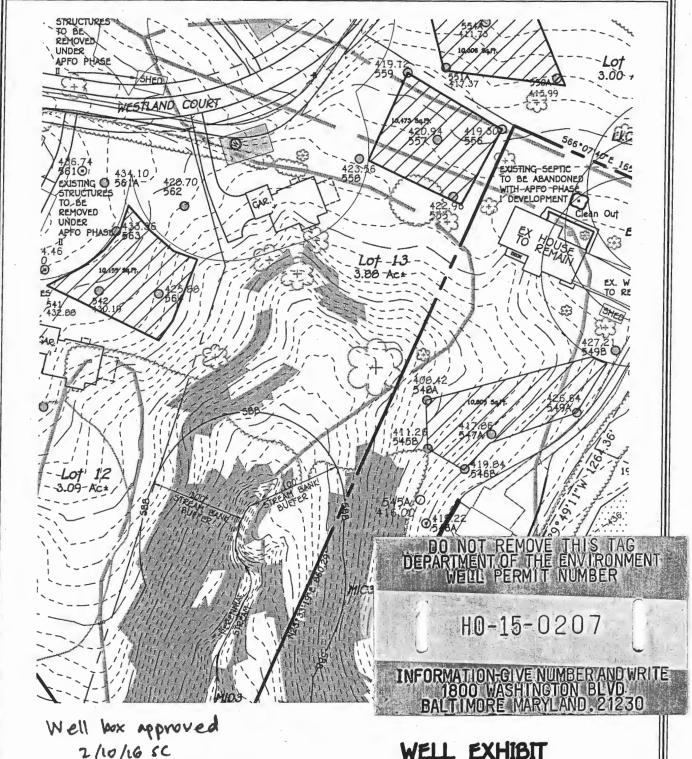
When submitting a well permit application for a proposed well for new construction, please indicate

one of t	he following:			
Well Si	te Location:			
	and Farm Estates ubdivision/Property Name	13 Lot#	Lime Kiln Rd Road Name	
^	The well site has been staked (professional land surveyor or compared on	ny employing pr	collos + Carrer rofessional land surveyors) e) and does not require a site inspection	1.
	-		r will call the Health Department to fy the proposed well site location.	

This sheet, along with two copies of an acceptable well site plan, must be attached to the green well

Revised 4/22/14

permit application.



2/10/16 50

well box staked by Fisher. Collins. FISHER, COLLINS & CARTER, INC. CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS

CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE ELLICOTT CITY, MARYLAND 21042 (410) 461 - 2855

WELL EXHIBIT WESTLAND FARM ESTATES APFO DEVELOPMENT PHASE 2 LOTS 3 THRU

TAX MAP #45 ZONED: RR-DEO

3RD ELECTION DISTRICT SCALE: 1"= 100"

PARCEL: 28 HOWARD COUNTY, MARYLAND

DATE: JANUARY 12, 2016



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 - SEPTEMBER 1, 2020

March 31, 2020

Homeowner 12511 Westland Court Fulton, MD 20759

RE: Westland Farm Est., Lot 13

12511 Westland Court

Building Permit: B18000759 Well Permit: HO-15-0207

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 12/4/2019. Final approval of the well line connection to the dwelling was granted on 12/4/2019. The well construction was completed on 4/12/2016. Water samples were collected on 3/30/2020.

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-15-0207. 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

http://www.inde.state.ind.us/assets/document/ws1-Lass-2010ap110.pdf

Website: www.hchealth.org Facebook: www.facebook.com/hocohealth Twitter: @HoCoHealth



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

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,

Kevin M. Wolf, LEHS, R.S./REHS, Supervisor

Lin Kall

Groundwater Management Section

Well & Septic Program

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

Community Hygiene Program

File

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 #:

136548

Account #:

4470

Reference:

Williamsburg Homes LLC

Company:

Williamsburg Homes LLC

Location:

12511 Westland Court

Fulton, MD 20759

Requested By: Bill McBride Source:

Well Water

Date/ Time Collected: 3/30/2020

1246

Site:

Pressure Tank

Date/Time Rec'd:

3/30/2020

1427

Treatment:

None

Chlorine ppm:

Free: ND

Total: ND

pH:

7.2

Collected By:

J. Yeager

0819JY

Well #:

HO-15-0207

PARAMETERS	RESULTS	UNITS RE	EERENCE	METHOD D	ATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	3/31/2020 / 0930 / RER
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	3/31/2020 / 0930 / RER
Nitrate	<1.0	mg/L	10	601	3/31/2020 / 1025 / CRS
Turbidity	1.25	NTU	<10	SM20 2130B	3/31/2020 / 1000 / RER
Sand	NS	mg/L	5	Visual/Gravimetric	3/31/2020 / 1000 / RER

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.
- NS = None Seen (NS indicates less than 5 mg/L) 3
- NTU = Nephelometric Turbidity Units 4
- 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 pH & Chlorine level tested on site
- Visual well check: Sealed, vented cap 8

Reason for Test:

Use & Occupancy

Building Permit #:

18000759

Date Reported:

3/31/2020

MARYI AND DEPARTMENT OF THE ENVIRONMENT, WATER MANA 1800 Washington Blvd., Baltimore, Maryland 21230 (41)	
WATER WELL ABANDONMENT-SEALING REPO	RT FORM
表面 电光线 电极限电弧振光线 医光光 医有神经 电极极相 电电子电子 医二甲甲甲甲甲甲甲甲甲甲甲甲甲甲甲甲甲甲甲甲甲甲甲甲甲甲甲甲甲甲甲甲甲甲甲甲	
* COUNTY ENVIRONMENTAL AGENCY (contact MDE, WMA if address needed)	

WATER WELL ABANDONMENT-S	EALING REPORT FORM	***
SUBMIT CORIES OF COMPLETED FORM TO: * COUNTY ENVIRONMENTAL AGENCY (contact MDE, WMA if add * WELL OWNER		
* MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROG	RAM 4/7/16SC)	
DATE WELL ABANDON D: 2-23-16 (m	nonth/day/year)	
* PERMIT NUMBER OF ABANDONED WELL (if any)		
* PERMIT NUMBER OF REPLACEMENT WELL:		
* PERSON ABANDONING WELL: Hadren Houseway V	WELL DRILLER'S LICENSE NUMBER: 2. CIRCLE: MWD/MSD/M	
	SITE LOCATION MAP	
WELL LOCATION: COUNTY: NEAREST TOWN: TAX MAP 45 BLOCK 5 PARCEL 28 SUBDIVISION: 4 PARCEL 28	*	
SECTION: LOT: 13 STREET ADDRESS: Line Cin RD	Linekiln Rd	
LATITUDE 3 9 . 1 498 756	TOGORGE AND A SAFETER	
LONGITUDE 7. 6. 9 4 9 5 2 39	LOG OF SEALING MATERIA	
	MATERIAL FROM	EE
* TYPE OF WELL BEING ABANDONED: DRILLED JETTED BORED HAND DUG OTHER (specify)	Cottings > 400 Cement: 120	
* USE CODE:	101 - F. S. N - 1	1
	VOLUME OF MATERIAL USE	D
* TYPE OF CASING: STEELPLASTIC	1.5 yd cement	
CONCRETE DUBO - 6-0007 SIZE OF CASING: INCHES IN DIAMETER DEPTH OF WELL: 100 FEET DEEP WAS SALV CASING REMOVED? WES NO	Pursuant to § 10-624 of the State Govt. An Maryland Code, personal info requested of is used in processing this form pursuant to 26.04.04. Failure to provide the info may this form not being processed. You have the inspect, amend, or correct this form. The Department of the Environment is subject Maryland Public Information Act. This formade available on the Internet via MDE's is subject to inspection or conving in whe	n the Coresine in Man to rm we

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MWD/MSD) MGS CIRCLE ONE

FEET

TO

If yes, length removed, in feet: 100

WAS CASING RUPPED OR PERFORATED?

FILE INQUIRY NOTES

DATE	RESULTS OF REVIEW FOR FILE
2/10/1	
2/19/1	6 on site during drilling. Setting racing- will use 100' steel. Hit lots of
	water/mud but caring will seal off. (SC)
2/23/10	6 Fogre's drived to 400' and hit no water. Owner did not
	want deeper than 400! Fight's will drill at NE corner of
	well box. Sg
2/2/10	
3/1/16	Fogies drilling 2rd hole on SE corner stake of well box. Currently at
	125', 90' steel casing set, no water yet. 15th dry hole abandoned (SC)
3/8/16	On site during yield test at 9:45 am Started pumping at 8:45 am
	and still pumping down at 6.6 gpm. Well 300; state 50' Growted
	earlier - took 30 bags SO
3/10/16	Lot 13 drilled to 500' During yield test on 3/8, only giving 2 gpm.
	Likely a cavern at 200' caused yield to drop. (SC)
	THE REAL PROPERTY OF THE PROPE