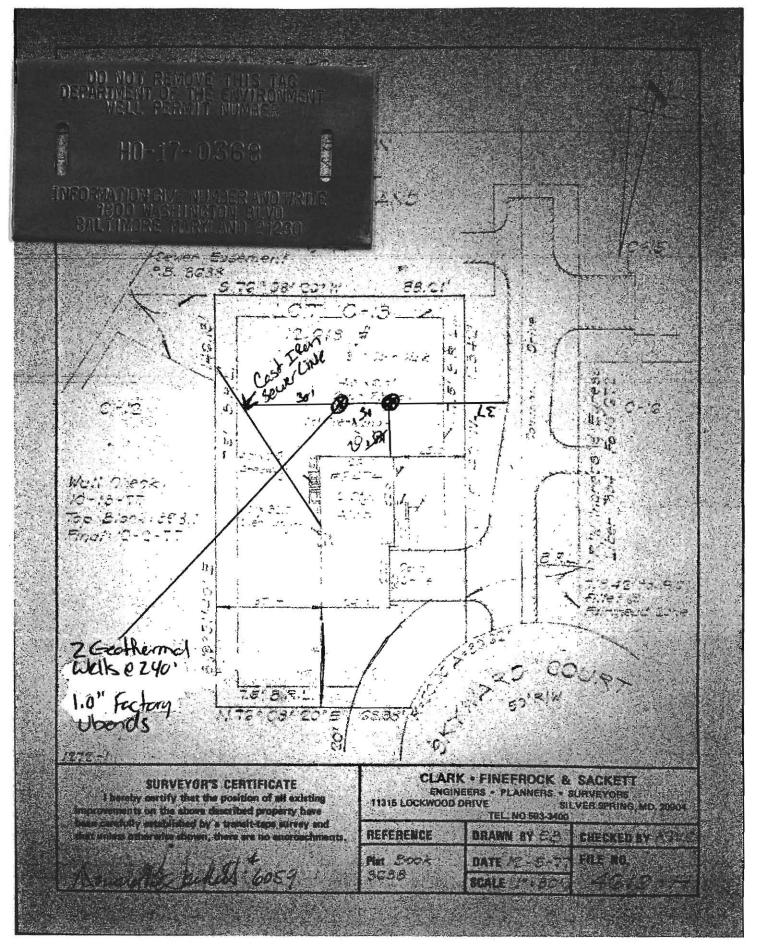


SEQUENCE NO. STATE OF MARYLAND THIS REPORT MUST BE SUBMITTED WITHIN (MDE USE ONLY) 45 DAYS AFTER WELL IS COMPLETED. WELL COMPLETION REPORT COUNTY 1 2 3 (THIS NUMBER IS TO BE PUNCHED FILL IN THIS FORM COMPLETELY NUMBER PLEASE TYPE IN COLS. 3-6 ON ALL CARDS) ST/CO USE ONLY PERMIT NO DATE WELL COMPLETED Depth of Well FROM "PERMIT TO DRILL WELL" DATE Received (TO NEAREST FOOT) OWNER. WELL SITE ADDRESS 6474 SKYWORD Columbia, MO 21045 TOWN SUBDIVISION. SECTION LOT\_ GROUTING RECORD WELL LOG C 3 N WELL HAS BEEN GROUTED (Circle Appropriate Box) Not required for driven wells **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 C M BENTONITE CLAY B C FEET DESCRIPTION (Use additional sheets if needed) FROM TO NO. OF BAGS 48 13 NO. OF POUNDS PUMPING RATE (gal. per min.) Silt trace of GALLONS OF WATER METHOD USER TO MEASURE PUMPING RATE sand, trace DEPTH OF GROUT SEAL (to nearest foot) 52 ft. to \_\_\_\_\_\_\_\_ft. of mica light WATER LEVEL (distance from land surface) (enter 0 if from surface) 0 15 brown BEFORE PUMPING CASING RECORD casing types ONCRETE ST Coarse White insert WHEN PUMPING appropriate sand trace cade OIT TYPE OF PUMP USED (for test) 15 30 Silt turbine Total depth MÁIN CASING Nominal diameter ap (main) casing (nearest inch.)! of main casing Silt trace or (nearest foot) TYPE C contrifugal rotary Coarse Sund 30 75 60 61 63 J jet submersible OTHER CASING (If used) 240 75 depth (feet) diameter inch **PUMP INSTALLED** DRILLER INSTALLED PUMP (CIRCLE) (YES or NO) IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS. TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) SCREEN RECORD screen type or open hole ST BR HØ IN BOX 29. Installed (2) insert HOLE CAPACITY: GALLONS PER MINUTE appropriate code below BRONZE closed geo loops OTHER (to nearest gallon) 35 at 240' PUMP HORSE POWER 41 DEPTH (nearest ft.) 2 PUMP COLUMN LENGTH NUMBER OF UNSUCCESSFUL WELLS: (nearest ft.) (circle appropriate box and enter casing height) CASING HEIGHT WELL HYDROFRACTURED 15 17 N + above LAND SURFACE CIRCLE APPROPRIATE LETTER 24 30 32 A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED (nearest) below foot) **ELECTRIC LOG OBTAINED** 50 51 39 TEST WELL CONVERTED TO PRODUCTION LATITUDE 3 9. 196450 WELL SLOT SIZE 1 I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 28.04.04 "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. LONGITUDE 7 6.83619 DIAMETER (NEAREST OF SCREEN (DEFAULT COORD, WGS 84) 56 60 Pursuant to \$10-624 of the State Govt. Article of the Maryand Code personal info. requested on DRILLERS LIG. NO. 1 M ND 567 GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68 this form is used in processing this form pursuant to COMAR 26.04.04. Failure to provide the info. may result in this form not being processed. You DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) have the right to inspect, amend, or correct this MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) form. The Maryland Department of the Environment is subject to the Maryland Public LIC. NO. 1 05 D 157 (E.R.O.S.) WQ Information Act. This form may be made available on the Internet via MDE's website and is anisoneaux 70 subject to inspection or copying, in whole or in SITE SUPERVISOR (sign. of driller or journeyman 74 75 76 part, by the pulic and other governmental TELESCOPE CASING LOG INDICATOR responsible for sitework if different from permittee) agencies, if not protected by federal or state law. OTHER DATA MDE/WMA/PER.071 COUNTY

B 1 62886 SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND TION FOR PERMIT TO DRILL WE	1, 0063
1 2 3 6	4 + please type	70 fill in this form completely 79
Date Received (APA)  8 MM DD YY 13  15 Last Name Owner First Name  36 Street or RFD  57 Town 70 State 72 Zip  DRILLER INFORMATION  Driller's Name 76 Licensa B  Firm Name  Address  Signature Date  B 2 WELL INFORMATION  APPROX. PUMPING RATE	52 NEAREST TOWN	ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  34  37  DISTANCE FROM ROAD
(GAL. PER MIN.) 8  AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY)  14	12	TAX MAP: 36 BLK: 16 PARCEL 419
D DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION  F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)  1 INDUSTRIAL, COMMERCIAL, DEWATERING  P PUBLIC WATER SUPPLY WELL  T TEST, OBSERVATION, MONITORING  OPEN LOOP GEOTHERMAL  C CLOSED LOOP GEOTHERMAL		COUNTY NO.  INSERT S  CO SIGNATURE  EXP. DATE
APPROXIMATE DEPTH OF WELL 480 J FEET APPROXIMATE DIAMETER OF WELL	SHOW PERMANENT ST ROADS AND/OR LA	OSED LOCATION OF WELL ON LOT TRUCTURES SUCH AS BUILDINGS, SEPTIC SYSTEM, NDMARKS AND INDICATE NOT LESS THAN TWO TANCE MEASUREMENTS TO WELL
AIR-PERcussion ROTARY (Hydrograms)  AIR-PERcussion ROTARY (Hydrograms)  TOTARY (Hydrograms)  REPLACEMENT OR DEEPENED WELL (CIRCLE APPROPRIATE BOX)  THIS WELL WILL NOT REPLACE AN EXISTING WELL  THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED  THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORISE FOR POLICY ON STANDBY WELLS  THIS WELL WILL DEEPEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPENED (IF AVAILABLE)  Not to be filled in by driller (MDE OR COUNTY USED APPROP PERMIT NUMBER  PERMIT NO. ———————————————————————————————————	DRIVE-POINT  IS BORE COMPA  Wells moned a  to meet Seth  to house P  Varloer Sis  E ONLY)  DESCRIPTION  MARCH Growth  ITY  DESCRIPTION  MARCH GROWTH  MARCH GROWTH	fursuant to \$ 10-624 of the State Govt. Article of the Maryland Code, personal info requested on this form sused in processing this form pursuant to COMAR 6.04.04. Failure to provide the info may result in his form not being processed. You have the right to respect, amend, or correct this form. The Maryland Department of the Environment is subject to the Maryland Public Information Act. This form may be hade available on the Internet via MDE's website and is subject to inspection or copying, in whole or in part, by the public and other governmental agencies, if not rotected by federal or State Law.
SPECIAL CONDITIONS	137	€

MDE/WMA/PER.071



APPROVED 1/16/2018



1/13 2018 Scanned with CamScanner

## **WELL SCHEMATIC FORM**

GROUND SURFA	CE	-							
			4		PERMANENT OUTER CASIN	NG (If area contar	minated)		
	11.11		ľ		MATERIAL				
PERMANENT OUTER			i		DIAMETER		***************************************		
CASING	11:11	$\prod$	ļ		LENGTH				
		$\Pi \Pi$	1		DEPTH INTO CONFINING L	JNIT			
	9	╟┪			TUBE CASING (if not regular,	100			
	11:11	$\Pi \Pi$	1	ATTACH HORIZONTAL SCHEMATIC					
77777	ΗШ	11 1	m	NUMBER OF TUBES PER BOREHOLE					
j		11 1			DIAMETER OF TUBES MATERIAL		<del></del>		
	$\{d\}$	$\parallel \parallel$			SHAPE AND LENGTH				
	111	11.3			TUBE CONNECTION METHO				
CONFINING UNIT	11	111			TUBE CONNECTION MATER				
LOOP PIPE CASING (regular, single loop)									
	111	$\Pi$			MATERIAL HDPE?	YES X	NO 🗆		
	111				DIAMETER	1"			
	$  \cdot  $	111			LENGTH	255'	<del></del>		
	111	]  ŀ	<del></del>	-	GROUT	- · ·			
	+11	$\Pi \Pi$			MATERIAL	Bentanit	¢		
	+11	If I			PERMEABILITY	1010-			
	$\perp 11$	$\Pi\Pi$			WATER/ GROUT RATIO	24.15	0		
	111	41.1			PERCENT SOLIDS TREMIE GROUTED FROM	20%			
					BOTTOM OF BOREHOLE?	YES 🔀	NO 🗆		
		$\  \ $			USING A POSITIVE DISPLACEMENT PUMP?	YES 🔀	NO 🗆		
	-	1			DEPTH TO THE BOTTOM OF HOLE	246'	744		
					DIAMETER OF BOREHOLE	6"			
	1	T				Control of			
WELL ADDRESS Ct. Colum	647	145	kyward	we	LOWNER:				
- COIVIA	WE !	-18	-CLOJ)			11			
LOT NUMBER:				65	NER ADDRESS: 174 Skyward L. Columbia Md		j		
SQUARE NUMBE	R:			CH	F. Columbia MI		]		
					21045				
<u> </u>									