

March 4, 2021

Lindley Campbell Maryland Department of the Environment Oil Control Program 1800 Washington Boulevard Suite 620 Baltimore, MD 21230-1719

Re: NOTICE OF NON-COMPLIANCE NNC-OCP-2021-007 REQUEST FOR HALF-MILE WELL SURVEY Case No. 2021-0202-CE 355 Telegraph Road, Rising Sun Cecil County, Maryland Facility I.D. No. 2823

Dear Ms. Campbell:

EnviroTrac Ltd. (EnviroTrac), on behalf of Sunoco LP (Sunoco), is pleased to present this updated half-mile potable well survey for the above referenced site.

On February 10, 2021, MDE issued a Non-Compliance NNC-OCP-2021-007 letter in response to elevated benzene and MTBE concentrations in two monitoring wells, MW-1 and MW-3, located at 355 Telegraph Road, Rising Sun, Maryland (Site). Results from annual sampling events conducted in August and November of 2020 exceeded the 5 parts per billion standard for benzene. Benzene concentrations in the monitoring well MW-3 were reported at 546 ppb and 315 ppb, respectively. Sampling results for MW-3 also exceeded the standard for methyl tertiary-butyl ether (MTBE). Based on the elevated benzene and MTBE concentrations, MDE requested that Sunoco implement enhanced monitoring of the monitoring well network and that a half-mile well survey be conducted at the Site.

On February 17, 2021, EnviroTrac submitted a freedom of information act (FOIA) request to the Cecil County Health Department requesting information pertaining to any potable wells within a halfmile radius of the Site. Ms. Angie Scramlin, Well and Zoonotic Disease Program Supervisor, responded via email on February 24, 2021, with 44 well permits and well completion reports Cecil County had on-file for the given radius. These sites were then cross-referenced with the municipal water data available on the Cecil County GIS website to determine which wells were potentially inactive or currently in use.



On March 2, 2021, EnviroTrac mobilized to the Site to verify the presence, or absence, of potable wells within the search radius. In addition to verifying the presence of the 42 wells documented by Cecil County, 13 parcels with residences were identified outside of the municipal water limits and within the ½ mile search radius. To ensure the thoroughness of this assessment, these residences are included as having undocumented wells. On March 3, 2021, EnviroTrac spoke via phone with Ms. Judy Melton, office manager and town clerk for the Town of Rising Sun, who verified the connection of public water to the residences located towards the south at Stone Run Drive and Maple Ridge Way (**Figure 3**).

Potable well total depths, casing intervals, and screen intervals were collected from the well completion reports provided by Cecil County's Health Department and compiled with geographic location and ownership data. The well permits and completion reports are available in **Appendix A** and the compiled data is provided as **Table 1**. The well locations were then plotted on **Figure 1**, a USGS Topographic Map, to determine their proximity to the Site and their respective risk for groundwater contamination. An aerial image depicting well locations is provided as **Figure 2** for additional reference. Overall, 42 documented potable wells were determined to be within ½ mile of the Site, with an additional 13 residences located outside of the municipal water range but lacking well information. An image illustrating the extent of the Town of Rising Sun's municipal water is attached as **Figure 3**.

Groundwater beneath the Site was determined to flow towards the southwest at a gradient of approximately 0.56% in 2020 and 0.24% in 2019. The 25 wells located on Telegraph Road (the Site well is excluded), Maple Heights Ln, and Stevens Road are located upgradient to the east or north of the Site. Ten wells on Pierce Road and one well on Knutsen Ln are located to the south and southeast of the Site, cross-gradient to the groundwater flow. The 13 unconfirmed potable wells located on Telegraph Road, Pierce Road, and Stevens Road were determined to be upgradient or cross gradient from the Site. Of the 42 potable wells and 13 undocumented potable wells, 49 are considered to be upgradient or cross gradient of the Site. The nearest cross gradient well is located on Pierce Road approximately 750 feet to the south-southeast of the Site.

The wells located at 133, 141, and 145 Pierce Road, along with the two wells located at 0 East Main Street, are the closest to being considered down gradient from the Site. The Pierce Road wells are located approximately 1,550 feet to the south-southwest, and the East Main Street wells are located approximately 1,850 feet to the west-southwest of the Site. The wells located at 0 East Main Street are the source of the municipal water for the Town of Rising Sun.

Given the direction and expected rate of groundwater flow, and the distance and geographic location of the potable wells, petroleum impact to down gradient wells is considered unlikely. However, EnviroTrac does recommend installing a sentry well southwest of MW-3 to facilitate monitoring of dissolved petroleum hydrocarbon concentrations in the downgradient direction. The proposed location of the fourth monitoring well is depicted along with the calculated groundwater gradient on **Figure 4**.



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EnviroTrac and Sunoco appreciate MDE's time and attention to this project. Should you have any questions or would like to discuss this correspondence in greater detail, please call Eric Shertzer at (434) 202-7808 or email at erics@envirotrac.com.

Sincerely,

EnviroTrac Ltd

Eli Connell Environmental Scientist

CC: Amanda Kistler (Sunoco)

Attachments:

Table 1 – Potable Wells – Half Mile Buffer Data Figure 1 – Well Location Map Figure 2 – Aerial Well Location Map Figure 3 – Rising Sun Municipal Water Map Figure 4 – Potentiometric Surface Map

Appendix A – Well Permits & Completion Reports

Eric Shertzer, P.G. Regional Operations Manager



TABLE



TABLE 1 POTABLE WELLS - HALF MILE BUFFER DATA

Sunoco Duns #0651-9128 355 Telegraph Road Rising Sun, MD 21911 Facility ID No. 2823

ACCTID	Premises Address	Owner Name	Мар	Parcel	Well Tag ID	Current Status	Casing Depth (ft)	Screen Depth (ft)	Total Depth (ft)
0806050611	100 PIERCE RD	KNUTSEN ERIC L &	010F	807	CE-88-1247	Active	6-149	149-168	165
0806019293	101 PIERCE RD	WILLIAMS KENNETH R	010F	594	CE-73-0671	Active	0-61	61-82	82
0806017096	109 STEVENS RD	EHRHART JOHN A	010C	806	CE-73-1006	Active	6-50	50-90	90
0806006418	113 PIERCE RD	ROBINSON EARL T & JANICE	010F	596	CE-73-1125	Active	0-40	40-71	71
0806016847	121 STEVENS RD	KIRCHNER MICHAEL B	010C	469	CE-72-0251	Active	0-75	75-82	82
0806004903	125 PIERCE RD	MCMILLAN JESSE J	010F	498	CE-72-0057	Active	0-63	63-73	75
0806009921	130 KNUTSEN LN	KNUTSEN ROBERT L ETAL	011D	14	CE-88-1247	Active	0-149	149-165	165
0806040640	131 PIERCE RD	BAKER FRANKLIN M JR & ROBIN I	010F	740	CE-88-1166	Active	0-42	42-80	80
0806006272	132 PIERCE RD	CURRY HERREL JR & NANCY	010F	70	CE-69-0065	Active	0-41	41-71	71
0806040659	133 PIERCE RD	BERNERO PATRICIA B	010F	740	CE-88-1248	Active	0-55	55-98	98
0806001602	141 PIERCE RD	PECK ROBIN L & MARY K	010F	439	CE-93-0125	Active	0-60	60-240	240
0806040764	145 PIERCE RD	GROVE DAVID D & JOANN	010F	741	CE-94-2467	Active	0-79	79-160	160
0806040756	147 PIERCE RD	CURRY HERREL JR & NANCY A	010F	739	CE-94-2046	Active	0-63	63-140	140
0806007562	147 STEVENS RD	LAMB ROGER D & RHONDA L	010C	336	CE-94-3564	Active	0-121	121-170	170
0806019854	165 STEVENS RD	GRANT RUSSELL	010C	28	CE-66-0113	Abandoned	0-42.5	42.5-50	50
0806019854	165 STEVENS RD	GRANT RUSSELL	010C	28	CE-69-0077	Active	0-56	56-57	57
0806049605	187 PIERCE RD	GIBNEY GEORGE L	010C	798	CE-88-0309	Active	0-83	83-270	270
0806006698	21 STEVENS RD	TREMBLER ROSS P	010C	209	CE-15-0016	Active	0-97	85-205	205
0806026729	221 PIERCE RD	PHILLIPS RONALD A &	010C	621	CE-81-3905	Active	0-78	78-81	81
0806018297	247 STEVENS RD	VANDYKE BILLY JACK SR	0031	11	CE-055630	Active	0-34	34-78	78
0806006671		MILLINER ALFRED B SR	010C	804	CE-15-0018	Active	0-115	115-150	150
0806023761	321 MAPLE HEIGHTS	THOMPSON KENNETH & JOYCE A	010C	622	CE-88-2503	Active	0-60	60-120	120
0806014402		SUNOCO LLC	010C	478	CE-73-0817	Active	0-127	127-187	187
0806006906	376 TELEGRAPH RD	MAROUSEK THOMAS J & DIANE R	010C	275	CE-73-2537	Active	0-62	62-100	100
0806006701	401 TELEGRAPH RD	401 TELEGRAPH LLC	010C	479	CE-11-0146	Active	0-82	82-140	300
0806003419	430 TELEGRAPH RD	VEIGER ANTHONY J	010C	287	CE-15-0384	Active	0-165	165-180	180
0806002269		MILLER MARK R & LYNDA S	010C	285	CE-010583	Active	0-66	66-75	75
0806019307		MILLER DAVID L & DONNA L	010C	284	CE-16-0068	Active	0-100	1-160	160
0806006728	441 TELEGRAPH RD	BELEW JOHN W & ELIZABETH A	010C	293	CE-94-0648	Active	0-75	75-105	105
0806005438	450 TELEGRAPH RD	BAKER ROBERT R & SHIRLEY A	010C	800	CE-73-1016	Active	0-85	85-105	105
0806000614		BELEW JOHN & ELIZABETH	010C	212	CE-81-1094	Active	0-83	83-100	100
0806002951		MABE CHARLES M JR & MARY A	010C	801	CE-73-3262	Active	6-80	80-99	99
0806000622		BELEW JOHN W & ELIZABETH A	010C	302	CE-81-0653	Active	0-104	104-107	107
0806018300		MULLIGAN MARTIN P & ANNE M	010C	182	CE-005101	Active	Illegible	Illegible	105
0806007023		PELL GREGORY L & NICKI M &	010C	11	CE-94-1216	Standby Well	0-106	106-150	173
0806007023	463 TELEGRAPH RD	PELL GREGORY L & NICKI M &	010C	11	CE-94-5765	Active	0-107	107-170	170
0806011632		MEADOWS J HARVEY JR LIFE EST	010C	13	CE-94-5638	Active	0-96	96-260	260
0806000789		STEFANICK JAMIE R	010C	296	CE-010889	Active	0-72	72-85	85
0806011691		MEADOWS RICHARD C & BRENDA J	0011	51	CE-66-0113	Active	0-141	141-400	400
0806011640		MEADOWS RICHARD CLIFFTON &	0011	12	CE-050936	Active	0-20	20-60	60
0806003168	77 STEVENS RD	CATHER WILLIAM I JR & GRACE A	010C	519	CE-71-0031	Active	0-60	60-80	80

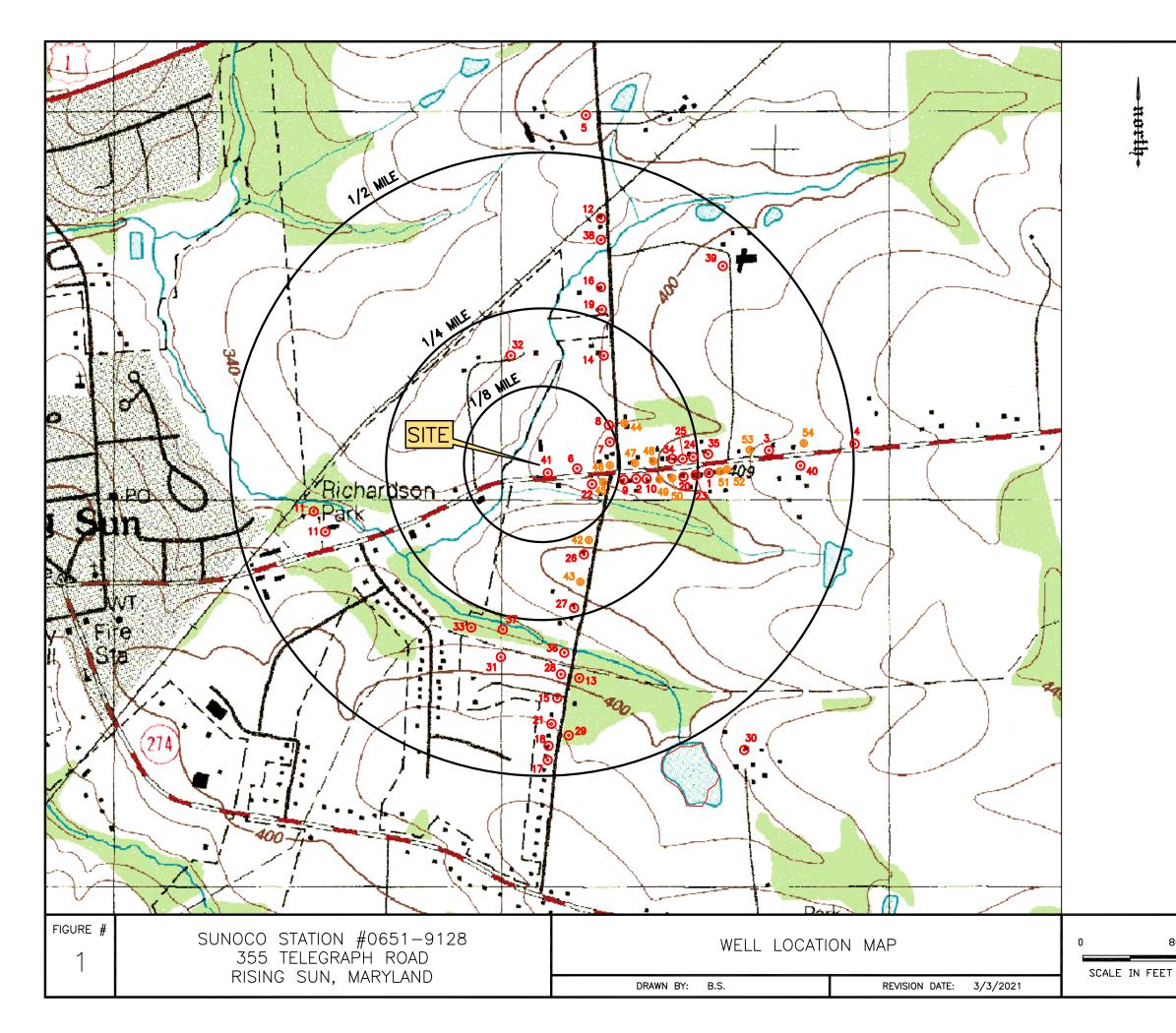
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ACCTID	Premises Address	Owner Name	Мар	Parcel	Well Tag ID	Current Status	Casing Depth (ft)	Screen Depth (ft)	Total Depth (ft)
0806018734	97 PIERCE RD	PARKER JAMES L JR	010F	589	CE-73-0670	Active	0-42	42-85	85
0806026176	E MAIN ST	COMMISSIONERS OF RISING SUN	010C	458	CE-66-0034	Active	0-68	68-86	86
0806026176	E MAIN ST	COMMISSIONERS OF RISING SUN	010C	458	CE-81-3649	Active	0-84	84-210	210
0806006302	235 PIERCE RD	RAGAN DENNIS W & JEAN W	010C	492	Undocumented	Active			
0806049613	PIERCE RD	GIBNEY JAMES W & EMILY M	010C	799	Undocumented	Active			
0806016081	32 STEVENS RD	KELLY KELLY	010C	291	Undocumented	Active			
0806004202	384 TELEGRAPH RD	ERICKSON KRISTY	010C	228	Undocumented	Active			
0806013317	425 TELEGRAPH RD	MCNEILL THOMAS E & RUTH G	010C	288	Undocumented	Active			
0806003044	431 TELEGRAPH RD	CARTER CORTLEY C & GEORGE R	010C	154	Undocumented	Active			
0806019781	437 TELEGRAPH RD	DICKENS DANIEL L & MARION C	010C	292	Undocumented	Active			
0806007546	438 TELEGRAPH RD	NACE DAVID A	010C	286	Undocumented	Active			
0806001394	442 TELEGRAPH RD	KESEE JENNIFER	010C	15	Undocumented	Active			
0806006051	464 TELEGRAPH RD	STEWART BRANDON J	010C	802	Undocumented	Active			
0806009743	470 TELEGRAPH RD	KESTER ARNO & RUTH N	010C	184	Undocumented	Active			
0806011632	491 TELEGRAPH RD	MEADOWS J HARVEY JR LIFE EST	010C	13	Undocumented	Active			
0806019641	507 TELEGRAPH RD	LECLAIR JARED DAVID	010C	13	Undocumented	Active			

FIGURES





Map ID 🔸	Premesis Address 🔹	Well Tag Number 🧃
1	458 TELEGRAPH RD	CE-005101
2	432 TELEGRAPH RD	CE-010583
3	497 TELEGRAPH RD	CE-010889
4	567 TELEGRAPH RD	CE-050936
5	247 STEVENS RD	CE-055630
6	401 TELEGRAPH RD	CE-11-0146
7	21 STEVENS RD	CE-15-0016
8	31 STEVENS RD	CE-15-0018
9	430 TELEGRAPH RD	CE-15-0384
10	434 TELEGRAPH RD	CE-16-0068
11	E MAIN ST	CE-66-0034/CE-81-3649
12	165 STEVENS RD	CE-66-0113/CE-69-0077
13	132 PIERCE RD	CE-69-0065
13	77 STEVENS RD	CE-71-0031
15	125 PIERCE RD	CE-72-0057
15	121 STEVENS RD	CE-72-0037
10	97 PIERCE RD	CE-73-0670
18	101 PIERCE RD	CE-73-0671
19	109 STEVENS RD	CE-73-1006
20	450 TELEGRAPH RD	CE-73-1016
21	113 PIERCE RD	CE-73-1125
22	376 TELEGRAPH RD	CE-73-2537
23	454 TELEGRAPH RD	CE-73-3262
24	455 TELEGRAPH RD	CE-81-0653
25	451 TELEGRAPH RD	CE-81-1094
26	221 PIERCE RD	CE-81-3905
27	187 PIERCE RD	CE-88-0309
28	131 PIERCE RD	CE-88-1166
29	100 PIERCE RD	CE-88-1247
30	0 KNUTSEN LN	CE-88-1247
31	133 PIERCE RD	CE-88-1248
32	321 MAPLE HEIGHTS LN	CE-88-2503
33	141 PIERCE RD	CE-93-0125
34	441 TELEGRAPH RD	CE-94-0648
35	463 TELEGRAPH RD	CE-94-1216/CE-94-5765
36	147 PIERCE RD	CE-94-2046
37	145 PIERCE RD	CE-94-2467
38	147 STEVENS RD	CE-94-3564
39	477 TELEGRAPH RD	CE-94-5638
40	524 TELEGRAPH RD	CE-94-5687
41	355 TELEGRAPH RD	CE-95-1020
42	235 PIERCE RD	Undocumented
43	PIERCE RD	Undocumented
44	32 STEVENS RD	Undocumented
45	384 TELEGRAPH RD	Undocumented
46	425 TELEGRAPH RD	Undocumented
47	431 TELEGRAPH RD	Undocumented
48	437 TELEGRAPH RD	Undocumented
48	438 TELEGRAPH RD	Undocumented
 50	442 TELEGRAPH RD	Undocumented
		Undocumented
51	464 TELEGRAPH RD	
52	470 TELEGRAPH RD	Undocumented
53	491 TELEGRAPH RD	Undocumented
54	507 TELEGRAPH RD	Undocumented

LEGEND:

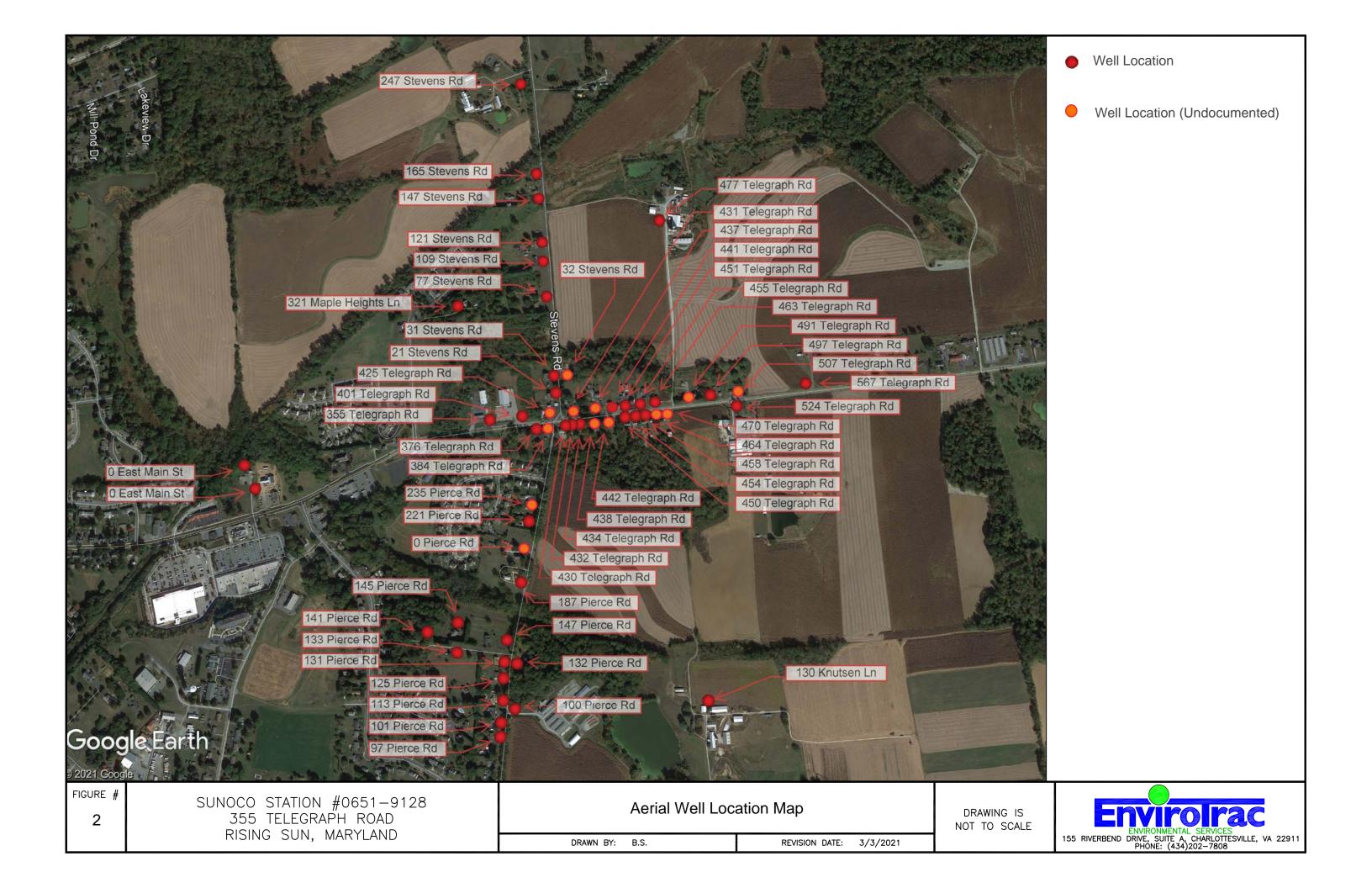
WELL LOCATION Θ

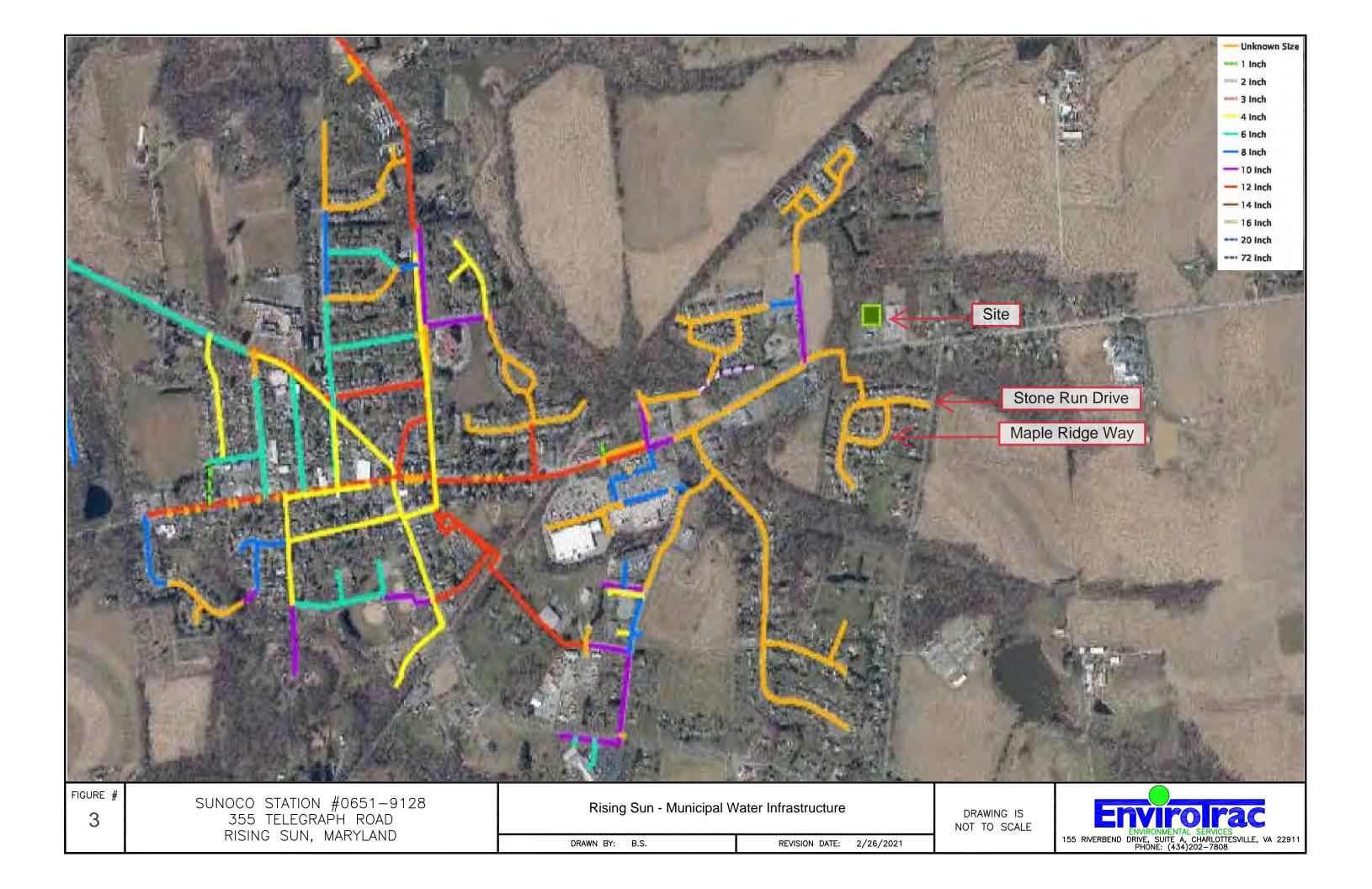
WELL LOCATION (UNDOCUMENTED WELL)

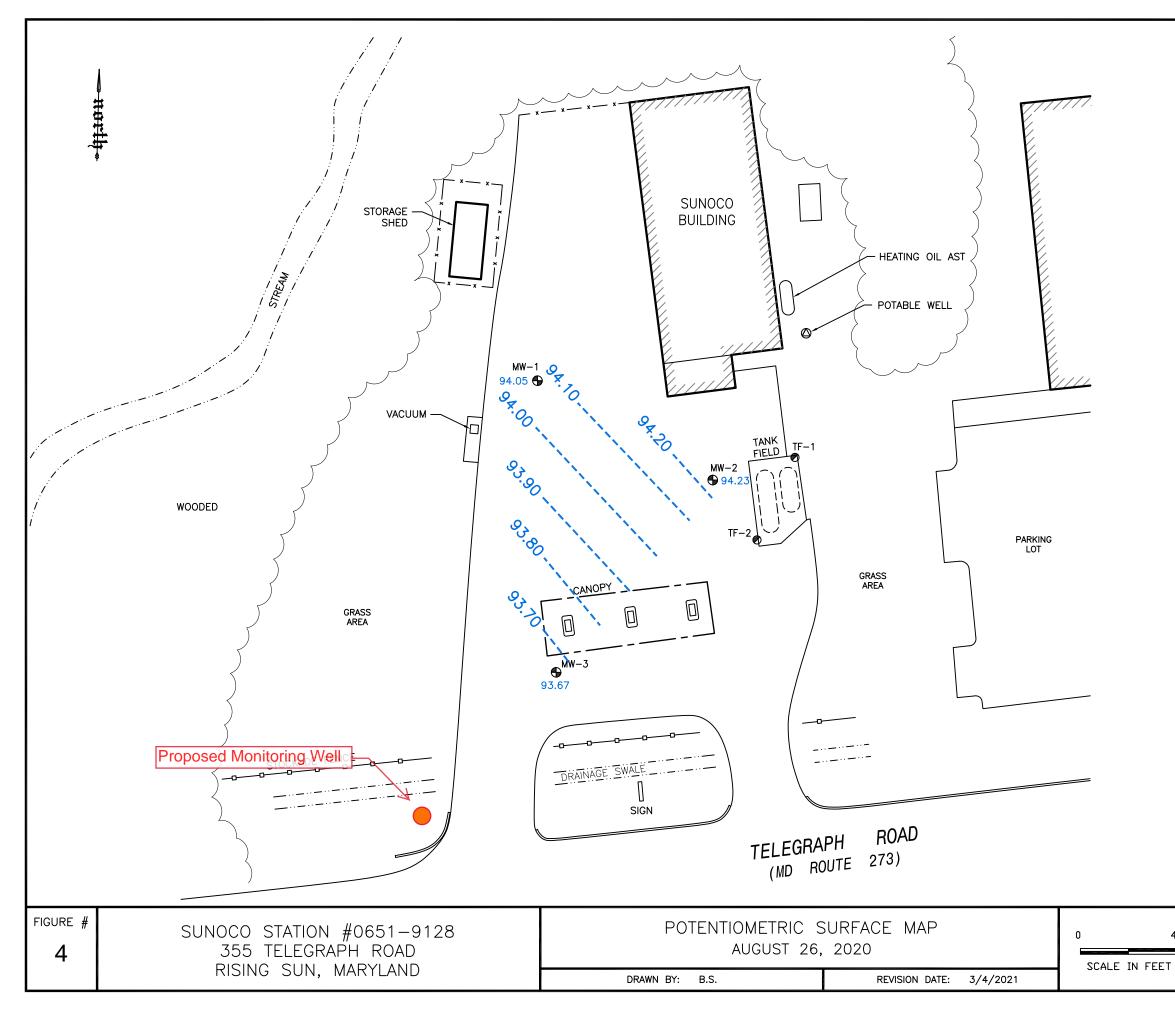
SOURCE: USGS TOPOGRAPHIC MAP, "RISING SUN" QUADRANGLE, LAST REVISED – 1992.

rolrac 155 RIVERBEND DRIVE, SUITE A, CHARLOTTESVILLE, VA 22911 PHONE: (434)202-7808

800







LEGEND:

	DISPENSER ISLAND
•	MONITORING WELL
Ø	TANK FIELD WELL
۵	POTABLE WELL
94.05	GROUNDWATER ELEVATION (feet)



APPENDIX A

Well Permits and Completion Reports



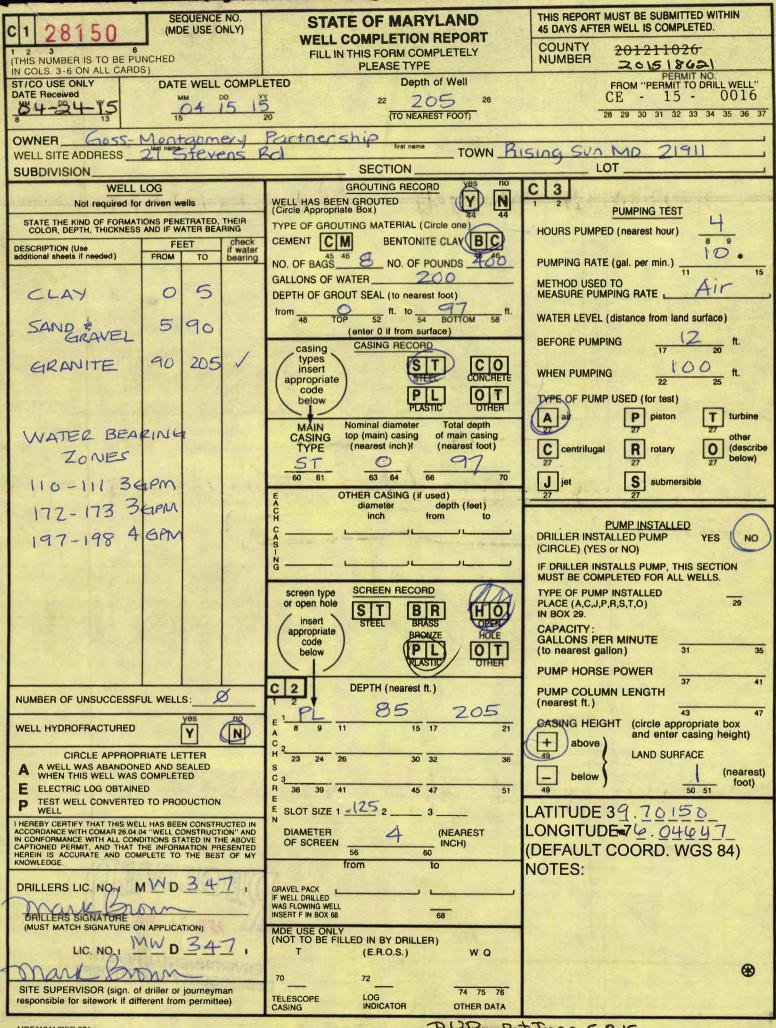
DLL #224241 EMERGENCY/TEMP NO. IF ANY STATE PERMIT NUMBER SEQUENCE NO STATE OF MARYLAND (MDE USE ONLY) _ 11 _ 0146 CE APPLICATION FOR PERMIT TO DRILL WELL 6 ⁷⁰ fill in this form completely please type Date Received (APA) Bill Rich (803) 413 7653 LOCATION OF WELL B 3 201211058 OWNER INFORMATION PCI 8 MAN 21 8 COUNTY Cipital Last Name Development Partners 23 SUBDIVISION Owner First Name 34 42 Street 3101 Devine SECTION L 55 Street or RFD 50 705 nbla Bisina State 70 Zin Town 76 72 NEAREST TOWN 71 DRILLER INFORMATION Brown MWDD38 arry Driller's Name Vollar General В 4 76 License No. 81 Brown Brothers Drilling SOURCES OF DRILLING WATER Telegraph STREET ADDRESS Jac 1. Water well 30 2 NORTH 1497 Kirks Mill Rd Wottingham PA 19362 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) Address WW E EST SEAST SOUTH Jarn 34 40D Signature Date 37 WELL INFORMATION В 2 DISTANCE FROM ROAD F-0 APPROX. PUMPING RATE (GAL. PER MIN.) ENTER FT OR MI 38 39 8 12 1000 4 AVERAGE DAILY QUANTITY NEEDED BLK: TAX MAP PARCEL (GAL. PER DAY) 14 20 NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL USE FOR WATER (CIRCLE APPROPRIATE BOX) DOMESTIC POTABLE SUPPLY & RESIDENTIAL D IRRIGATION Cecil 07 F FARMING (LIVESTOCK WATERING & AGRICULTURAL **IRRIGATION**) COUNTY NAME COUNTY NO T STATE SIGNATURE INDUSTRIAL, COMMERCIAL, DEWATERING 22 INSERT S -PUBLIC WATER SUPPLY WELL 41 EISSUEP 12/4/13 TEST, OBSERVATION, MONITORING T EXP. DATE 0 OPEN LOOP GEOTHERMAL 43 MM DD 48 YY CO SIGNATURE CLOSED LOOP GEOTHERMAL C PROPOSED LOCATION OF WELL ON LOT 300 SHOW PERMANENT STRUCTURES SUCH AS BUILDINGS, SEPTIC SYSTEM, APPROXIMATE DEPTH OF WELL J FEET ROADS AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCE MEASUREMENTS TO WELL NEAREST APPROXIMATE DIAMETER OF WELL INCH METHOD OF DRILLING (circle one) BORED (or Augered) JETTED Jetted & DRIVEN 75' 30 AIR-ROTary AIR-PERcussion ROTARY (Hydraulic Rotary) Prop well 37 CABLE **REVerse-ROTary DRive-POINT** 106 other 706 REPLACEMENT OR DEEPENED WELLS (CIRCLE APPROPRIATE BOX) (N) THIS WELL WILL NOT REPLACE AN EXISTING WELL THIS WELL WILL REPLACE A WELL THAT WILL BE Y Prop ABANDONED AND SEALED THIS WELL WILL REPLACE A WELL THAT WILL BE USED Building S 39 AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS D THIS WELL WILL DEEPEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPENED Septicik (IF AVAILABLE) 41 Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROP. PERMIT NUMBER G CE 11 0146 PERMIT No. 70 71 72 73 74 75 76 77 78 79 SPECIAL CONDITIONS NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

	and the second	a the set of the sector of the		
		SEQUENCE NO. MDE USE ONLY)	STATE OF MARYLAND	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
	1 2 3 6		FILL IN THIS FORM COMPLETELY	COUNTY
-	(THIS NUMBER IS TO BE PUNCHED IN-COLS. 3-6 ON ALL CARDS)	,	PLEASE TYPE	NUMBER 201211058
- 14	DATE Received	TE WELL COMPL	ETED Depth of Well	PERMIT NO. FROM "PERMIT TO DRILL WELL" CE - 11 - 0146
	MM 046 13 1		2 22 140 26 (TO NEAREST FOOT) 26	CE - 11 - 0146 28 29 30 31 32 33 34 35 36 37
		DEVELOPM	ENT PARTNERS (DOLLAR GENERA	
	WELL SITE ADDRESS			RISING SUN, MD. 21911
	SUBDIVISION		SECTION	LOT
	WELL LOG Not required for driven	wells	GROUTING RECORD	C 3
	STATE THE KIND OF FORMATIONS PEI COLOR, DEPTH, THICKNESS AND IF 1			1 2 PUMPING TEST
		FFT check	TYPE OF GROUTING MATERIAL (Circle one) CEMENT CM BENTONITE CLAY BC	HOURS PUMPED (nearest hour) 4
	additional sheets if needed)	II Water	NO. OF BAGS 4610 NO. OF POUNDS 500	PLIMPING BATE (gal per min) 20
			GALLONS OF WATER 200	PUMPING RATE (gal. per min.) 20 • 11 15 METHOD USED TO
	CLAY 0	5	DEPTH OF GROUT SEAL (to nearest foot)	MEASURE PUMPING RATEAIR
	SAND 5	75	from $\frac{0}{48 \text{ TOP } 52}$ ft. to $\frac{82}{54 \text{ BOTTOM } 58}$ ft.	WATER LEVEL (distance from land surface)
			(enter 0 if from surface) casing CASING RECORD	BEFORE PUMPING 11 ft.
	GRANITE 75	140 X	types ST CO	50
			appropriate STEEL CONCRETE	WHEN PUMPING $\frac{50}{22}$ ft.
	MANUED DEADTNC RONTEC		below PL OT PLSTIC OTHER	TYPE OF PUMP USED (for test)
	WATER BEARING ZONES:		MAIN Nominal diameter Total depth CASING top (main) casing of main casing	A air P piston T turbine
	96 116		TYPE (nearest inch)! (nearest foot)	C centrifugal R rotary O (describe
	136		$\frac{ST}{_{60} _{61}} \frac{6"}{_{63} _{64}} \frac{82}{_{66} _{70}}$	27 27 27 below)
			E OTHER CASING (if used)	J jet S submersible
	- F		A diameter depth (feet) H inch from to	
1		1		DRILLER INSTALLED PUMP (YES) NO
-				(CIRCLE) (YES or NO)
	6		u	IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.
			screen type or open hole	TYPE OF PUMP INSTALLEDSPLACE (A,C,J,P,R,S,T,O)29
		1 1 1 1	insert STEEL BRASS OPEN	IN BOX 29. CAPACITY:
			(appropriate code below PL OT	GALLONS PER MINUTE 7 (to nearest gallon) 31 35
			PLASTIC OTHER	PUMP HORSE POWER .75
			C 2 DEPTH (nearest ft.)	PUMP COLUMN LENGTH
	NUMBER OF UNSUCCESSFUL WEL	Ves Do	1 2 V 1 HO 82 140	(nearest ft.) <u>100</u> 43 47
	WELL HYDROFRACTURED	YN	$E \frac{110}{89} \frac{02}{11} \frac{15}{15} \frac{17}{17} \frac{21}{21}$	(+ above)
	CIRCLE APPROPRIATE L	SEALED	H ² 23 24 26 30 32 36 S	LAND SURFACE
	E ELECTRIC LOG OBTAINED	TED	C <u>3</u> R <u>38 39 41 45 47 51</u>	
	P TEST WELL CONVERTED TO PRO	ODUCTION	E E SLOT SIZE 1 2 3	LATITUDE 39.70_18_0
	I HEREBY CERTIFY THAT THIS WELL HAS BE ACCORDANCE WITH COMAR 26.04.04 "WELL (CONSTRUCTION" AND	N DIAMETER (NEAREST	
	IN CONFORMANCE WITH ALL CONDITIONS S CAPTIONED PERMIT, AND THAT THE INFOR HEREIN IS ACCURATE AND COMPLETE TO	AMATION PRESENTED	OF SCREEN INCH)	(DEFAULT COORD. WGS 84)
	KNOWLEDGE.			NOTES:
	DRILLERS LIC. NO. M M D	0381	GRAVEL PACK	
	DRILLERS SIGNATURE	n	WAS FLOWING WELL INSERT F IN BOX 68 68	
	(MUST MATCH SIGNATURE ON APPLIC		MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)	
			T (E.R.O.S.) W Q	0
1	SITE/SUPERVISOR (sign. of driller o		70 72 74 75 76	
	responsible for sitework if different fro		TELESCOPE LOG 14 75 76 CASING INDICATOR OTHER DATA	
	MDE/WMA/PER.071		OPICINAL ACS	
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DU EMERGENCY/TEMP NO. IF ANY 222297 A160.00 STATE PERMIT NUMBER SEQUENCE NO STATE OF MARYLAND (MDE USE ONLY) CE _ 15 _ 0016 APPLICATION FOR PERMIT TO DRILL WELL please type 70 fill in this form completely LOCATION OF WELL Date Received (APA) B 3 OWNER INFORMATION COUN 23 SUBDIVISION 42 201211026 Street or RFD 55 SECTION L LOT 50 INFORMATION B 4 SOURCES OF DRILLING WATER POTABLE WELL 30 HTRO ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) 210 2 E 37 34 20 e di mu WELL INFORMATION DISTANCE FROM ROAD В 2 APPROX, PUMPING RATE ENTER FT OR MI 39 (GAL PER MIN.) 12 TAX MAP: 10_ BLK: 6 PARCEL 209 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 20 NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL USE FOR WATER (CIRCLE APPROPRIATE BOX) DOMESTIC POTABLE SUPPLY & RESIDENTIAL D IRRIGATION Ceci1 07 FARMING (LIVESTOCK WATERING & AGRICULTURAL F COUNTY NO COUNTY NAME IRRIGATION) STATE INDUSTRIAL, COMMERCIAL, DEWATERING 22 INSERT S PUBLIC WATER SUPPLY WELL P 11/10/1514 TEST, OBSERVATION, MONITORING T EXP. DATE **OPEN LOOP GEOTHERMAL** nn 48 CO SIGNATURE 0 **CLOSED LOOP GEOTHERMAL** C PROPOSED LOCATION OF WELL ON LOT 24 200 28 FEET SHOW PERMANENT STRUCTURES SUCH AS BUILDINGS, SEPTIC SYSTEM, APPROXIMATE DEPTH OF WELL ROADS AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCE MEASUREMENTS TO WELL NEAREST APPROXIMATE DIAMETER OF WELL INCH METHOD OF DRILLING (circle one) BORED (or Augered) JETTED Jetted & DRIVEN 30 AIR-ROTary AIR-PERcussion **ROTARY (Hydraulic Rotary)** 37 CABLE REVerse-ROTary **DRive-POINT** X other REPLACEMENT OR DEEPENED WELLS (CIRCLE APPROPRIATE BOX) N THIS WELL WILL NOT REPLACE AN EXISTING WELL THIS WELL WILL REPLACE A WELL THAT WILL BE Y ABANDONED AND SEALED THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS 39 S D THIS WELL WILL DEEPEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPENED (IF AVAILABLE) 41 52 TELEGRAPH Rd. Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROP. PERMIT NUMBER CE _ 15 _ 0016 PERMIT No. 70 71 72 73 74 75 76 77 78 79 SPECIAL CONDITIONS 3 NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED



MDE/WMA/PER.071

ALAB PatTrac 5-8-15

232297 DW EMERGENCY/TEMP NO. IF ANY # 100 STATE PERMIT NUMBER SEQUENCE NO STATE OF MARYLAND (MDE USE ONLY) 0018 CE _ 15 _ APPLICATION FOR PERMIT TO DRILL WELL please type ⁷⁰ fill in this form completely LOCATION OF WELL B 3 Date Received (APA) OWNER INFORMATION 21 23 SUBDIVISION 42 201417741 55 LOT Street or RFC SECTION L 50 71 DRILLER INFORMATION B 4 SOURCES OF DRILLING WATER STEVENS POTABLE WELL 30 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) N 3 F um 37 34 20. NTH WEL VINFORMATION DISTANCE FROM ROAD 2 B 2.39 APPROX, PUMPING RATE ENTER FT OR MI 18 (GAL PER MIN.) 12 PARCEL380 BLK: 6 AVERAGE DAILY QUANTITY NEEDED 20 (GAL. PER DAY) NOT TO BE FILLED IN BY DRILLER USE FOR WATER (CIRCLE APPROPRIATE BOX) HEALTH DEPARTMENT APPROVAL DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION 07 Cecil FARMING (LIVESTOCK WATERING & AGRICULTURAL F COUNTY NAME COUNTY NO. IRRIGATION) STATE SIGNATURE INDUSTRIAL, COMMERCIAL, DEWATERING 22 INSERT S . PUBLIC WATER SUPPLY WELL Ρ DATE ISSUED 11/12/15 11/13/14 TEST, OBSERVATION, MONITORING Τ EXP. DATE DD 48 0 **OPEN LOOP GEOTHERMAL** 43 MM YY SIGNATURE CLOSED LOOP GEOTHERMAL C PROPOSED LOCATION OF WELL ON LOT ____ FEET 1 200 SHOW PERMANENT STRUCTURES SUCH AS BUILDINGS, SEPTIC SYSTEM, APPROXIMATE DEPTH OF WELL ROADS AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCE MEASUREMENTS TO WELL NEAREST APPROXIMATE DIAMETER OF WELL 0 METHOD OF DRILLING (circle one) JETTED BORED (or Augered) Jetted & DRIVEN 30 AIR-ROTary AIR-PERcussion ROTARY (Hydraulic Rotary) 37 CABLE **REVerse-ROTary DRive-POINT** other REPLACEMENT OR DEEPENED WELLS (CIRCLE APPROPRIATE BOX) х N THIS WELL WILL NOT REPLACE AN EXISTING WELL THIS WELL WILL REPLACE A WELL THAT WILL BE Y ABANDONED AND SEALED THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY 39 S FOR POLICY ON STANDBY WELLS D THIS WELL WILL DEEPEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPENED TELEGRAPH Rd. (IF AVAILABLE) 41 52 Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROP. PERMIT NUMBER 0018 PERMIT No 70 71 73 74 75 76 77 78 79 SPECIAL CONDITIONS ۲ NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

SEQUENCE NO.	STATE OF MARYLAND	THIS REPORT MUST BE SUBMITTED WITHIN			
C 1 28152 (MDE USE ONLY)	WELL COMPLETION REPORT	45 DAYS AFTER WELL IS COMPLETED.			
1 2 3 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)	FILL IN THIS FORM COMPLETELY PLEASE TYPE	COUNTY 201417741 NUMBER			
ST/CO USE ONLY DATE WELL COMPL		PERMIT NO. FROM "PERMIT TO DRILL WELL" CE - 15 - 0018			
	²² <u>150</u> ²⁶				
8 13 15	20 (TO NEAREST FOOT)	28 29 30 31 32 33 34 35 36 37			
OWNER GOSS-MONTGOMERY WELL SITE ADDRESS Last name 31 STEW	PARTNERSHTP ENS ROAD first name TOWN	CARTNERSHIP ENS ROAD first name TOWN RISING SUN, MD. 21911			
SUBDIVISION	SECTION	LOT			
WELL LOG	GROUTING RECORD	C 3			
Not required for driven wells	WELL HAS BEEN GROUTED (Circle Appropriate Box)	1 2 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)			
DESCRIPTION (Use additional sheets if needed) FROM TO bearing	CEMENT CM BENTONITE CLAY BC	PLIMPING BATE (gal per min.) 18 •			
	NO. OF BAGS 15 NO. OF POUNDS 750	11 15			
CLAY 0 3	DEPTH OF GROUT SEAL (to nearest foot)	METHOD USED TO MEASURE PUMPING RATEAIR			
SAND 3 108	from 0 ft. to 115 ft.	WATER LEVEL (distance from land surface)			
GRANITE 108 150 X	(enter 0 if from surface)	BEFORE PUMPING $\frac{1}{17}$ tt.			
	casing CASING RECORD				
WATER BEARING ZONES:	(insert appropriate) STEL COC	WHEN PUMPING $\frac{55}{22}$ ft.			
130 To 131 - 10 GPM	below PL OT	TYPE OF PUMP USED (for test)			
147 To 148 - 8 GPM	MAIN Nominal diameter Total depth	A air P piston T turbine			
	CASING top (main) casing of main casing TYPE (nearest inch)! (nearest foot)	C centrifugal R rotary O (describe			
		27 27 27 27 below)			
	60 61 63 64 66 70	jet S submersible			
	E OTHER CASING (if used) A diameter depth (feet) C diameter terms to be the terms to be terms	27 27			
	$c = \frac{ST}{5} = \frac{115}{5}$				
	S -	DRILLER INSTALLED PUMP YES NO			
		IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.			
	screen type SCREEN RECORD	TYPE OF PUMP INSTALLED			
	or open hole STI BR HO	PLACE (A,C,J,P,R,S,T,O) 29 IN BOX 29.			
	appropriate BRONZE HOLE	CAPACITY: GALLONS PER MINUTE			
	below (PL) OT PLASTIC OTHER	(to nearest gallon) 31 35			
		PUMP HORSE POWER			
NUMBER OF UNSUCCESSFUL WELLS: 0	C 2 DEPTH (nearest ft.)	PUMP COLUMN LENGTH (nearest ft.)			
WELL HYDROFRACTURED	$E \frac{1}{8} \frac{PL}{9} \frac{5}{11} \frac{120}{17} \frac{120}{17}$	43 47 CASING HEIGHT (circle appropriate box			
Y N	$\frac{120}{120} = 150$	(+ above) and enter casing height)			
CIRCLE APPROPRIATE LETTER A WELL WAS ABANDONED AND SEALED	23 24 26 30 32 36 S	LAND SURFACE			
E ELECTRIC LOG OBTAINED	C 3 R 38 39 41 45 47 51	$\frac{1}{49} \qquad \qquad$			
P TEST WELL CONVERTED TO PRODUCTION WELL	E	LATITUDE 3 <u>9.7 0 2 0 3 6</u>			
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFERMANCE WITH ALL CONDITIONS CRATERIN THE ADJOR	DIAMETER (NEAREST	LONGITUDE 76.046548			
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	Liner 56 60	(DEFAULT COORD. WGS 84)			
KNOWLEDGE.		NOTES:			
DRILLERS LIC. NO. 1 M M D 3 4 7	GRAVEL PACK				
DRILLERS SIGNATURE	WAS FLOWING WELL INSERT F IN BOX 68 68				
(MUST MATCH SIGNATURE ON APPLICATION)	MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)				
LIC. NO.1 MW D_3_4_7 1	T (E.R.O.S.) W Q				
of art phouse.	70 72	•			
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)	TELESCOPE LOG 74 75 76 CASING INDICATOR OTHER DATA				
MDE/WMA/PER 071		ROTTAL ACS. 6/15			

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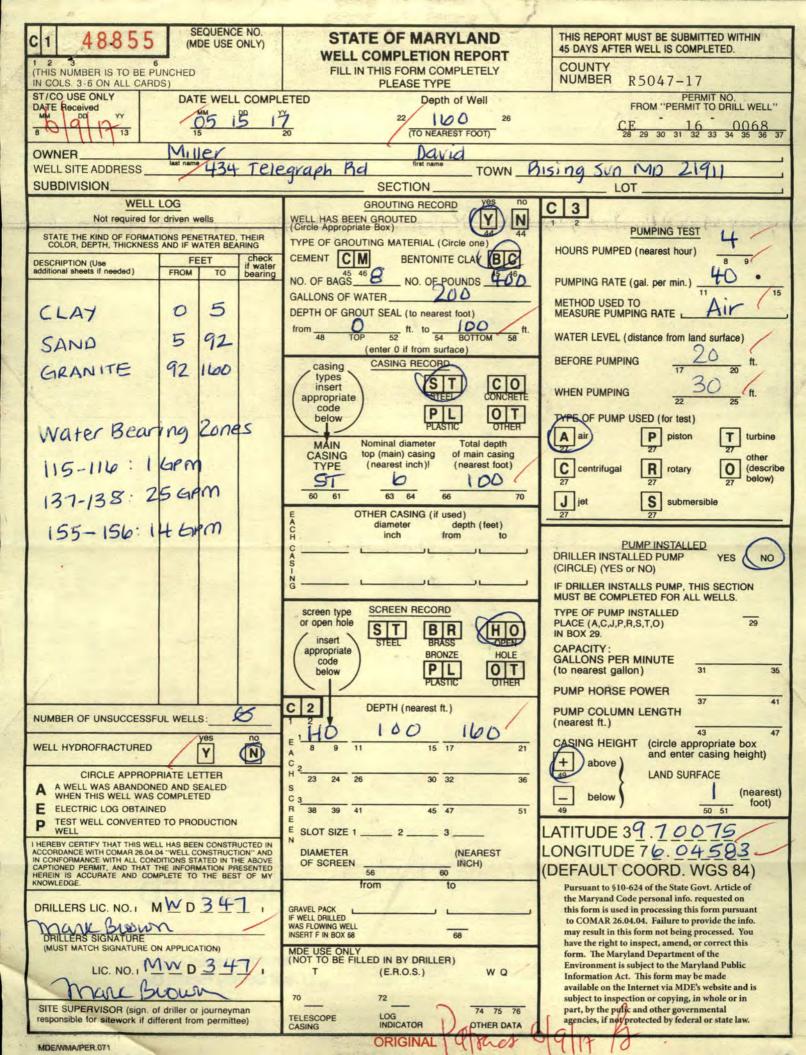
¥.

FAIFP CENCY WATER EMERGENCY/TEMP NO. IF ANY NO STATE PERMIT NUMBER SEQUENCE NO. STATE OF MARYLAND В (MDE USE ONLY) APPLICATION FOR PERMIT TO DRILL WELL CE = 13 - 007 please type 70 fill in this form completely -3-1 Δ LOCATION OF WELL Date Received (APA) 3 B ds. OWNER INFORMATION 8 MM DD 21 8 COUNTY HARD 6 ACKS 15 Last Name Owner First Name 34 23 SUBDIVISION 42 DA Street or RFD 55 46 LOTL SECTION L 11 18 50 ARIFI IL Town State 72 Zip 76 NEAREST TOWN 71 DRILLER INFORMATION 2 M4 0 D B 4 Driller's Name License No. 76 SOURCES OF DRILLING WATER MI. FARMDALE 00 1. POTAGE WELL 30 Firm Name 2. NORTH ON WHICH SIDE OF ROAD N Address 3 (CIRCLE APPROPRIATE BOX) SOUTH Signature Date 34 20 37 WELL INFORMATION DISTANCE FROM ROAD B/2 1 10 ž APPROX. PUMPING RATE 1 2 ENTER FT OR MI 38 39 (GAL. PER MIN.) 8 12 BLK B PARCEL 00 AVERAGE DAILY QUANTITY NEEDED TAX MAP: 17 20 (GAL. PER DAY) 14 NOT TO BE FILLED IN BY DRILLER USE FOR WATER (CIRCLE APPROPRIATE BOX) HEALTH DEPARTMENT APPROVAL DOMESTIC POTABLE SUPPLY & RESIDENTIAL D IRRIGATION Cecil FARMING (LIVESTOCK WATERING & AGRICULTURAL F IRRIGATION) COUNTY NAME COUNTY NO STATE INDUSTRIAL, COMMERCIAL, DEWATERING 1 22 INSERT S -SIGNATURE PUBLIC WATER SUPPLY WELL P 41 DATE ISSUED T TEST, OBSERVATION, MONITORING 16/14/1 OPEN LOOP GEOTHERMAL MM DD 48 CO SIGNATURE EXP. DATE 0 YY CLOSED LOOP GEOTHERMAL C PROPOSED LOCATION OF WELL ON LOT 260 FEET SHOW PERMANENT STRUCTURES SUCH AS BUILDINGS, SEPTIC SYSTEM, APPROXIMATE DEPTH OF WELL ROADS AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCE MEASUREMENTS TO WELL NEAREST APPROXIMATE DIAMETER OF WELL INCH METHOD OF DRILLING (circle one) BORED (or Augered) JETTED Jetted & DRIVEN 30 AIR-ROTary ROTARY (Hydraulic Rotary) AIR-PERcussion HOUSE 37 CABLE **REVerse-ROTary** DRive-POINT 20 other REPLACEMENT OR DEEPENED WELLS (CIRCLE APPROPRIATE BOX) N THIS WELL WILL NOT REPLACE AN EXISTING WELL THIS WELL WILL REPLACE A WELL THAT WILL BE Y ABANDONED AND SEALED THIS WELL WILL REPLACE A WELL THAT WILL BE USED 39 S AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS ARM D THIS WELL WILL DEEPEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPENED N CLEDE R (IF AVAILABLE) 41 52 NL: Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROP. PERMIT NUMBER - 13 0071 PERMIT No. 70 71 72 73 74 75 76 77 78 79 SPECIAL CONDITIONS 8 NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

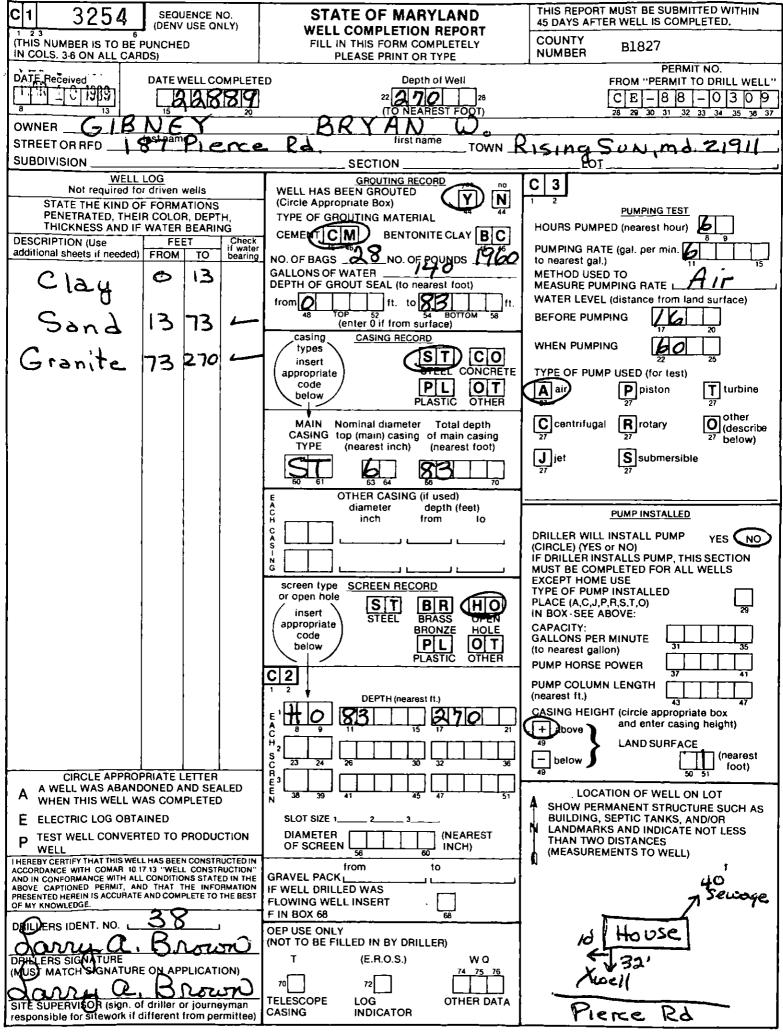
			-			
CA 3079 SEQUENCE NO. (MDE USE ONLY)				STATE OF MARYLAND	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.	
1 2 3 (THIS NUMBER IS TO BE	6 PUNCHED			FILL IN THIS FORM COMPLETELY		
IN COLS. 3-6 ON ALL CA	RDS)			PLEASE TYPE	NUMBER	
ST/CO USE ONLY DATE Received	DAT	TE WELI	COMPL	N	FROM "PERMIT NO.	
MM DD YY	1	61	4 [22 20 26 26 26 26 26 26 26 26 26 26 26 26 26	28 29 30 31 32 33 34 35 36 37	
OWNER	F	tetn	14	Richard		
OWNER WELL SITE ADDRESS	last nam	6 Fo	irmdi	ale led first name TOWN	-arleville	
SUBDIVISION	Ha	CKST	point	SECTION	LOT 196	
WEL	L LOG			GROUTING RECORD yes no	C 3	
Not required				WELL HAS BEEN GROUTED (Circle Appropriate Box)	1 2 PUMPING TEST	
STATE THE KIND OF FORM COLOR, DEPTH, THICKNE				TYPE OF GROUTING MATERIAL (Circle one)	HOURS PUMPED (nearest hour)	
DESCRIPTION (Use additional sheets if needed)	FROM	EET TO	if water bearing	CEMENT C M BENTONITE CLAY BC	40.	
+ cul	0	2		NO. OF BAGS 46 19 NO. OF POUNDS 4566 GALLONS OF WATER 476	PUMPING RATE (gal. per min.) 11 15	
10p son	0	2		DEPTH OF GROUT SEAL (to nearest foot)	METHOD USED TO MEASURE PUMPING RATE Watch + FOUL	
Brown Silty	2	18		from 5 tt. to 16.5 tt.	WATER LEVEL (distance from land surface)	
Clay				(enter 0 if from surface) casing CASING RECORD	BEFORE PUMPING $\frac{37}{17}$ ft.	
Black Clay	10	10		types insert ST CO	WHEN PUMPING 100 ft.	
Black clay	13	40		appropriate code below	22 25	
Gray Sand	10	-		below PLASTIC OTHER	TYPE OF PUMP USED (for test)	
w/ Lignite	40	70		MAIN Nominal diameter Total depth	air P piston T turbine	
				CASING top (main) casing of main casing TYPE (nearest inch)! (nearest foot)	C centrifugal R rotary O (describe	
White Clay	10	80		PL 4' 165	27 27 27 below)	
Red-White	80	140		60 61 63 64 66 70 E OTHER CASING (if used)	J jet S submersible	
Clay	50	170		A diameter depth (feet)		
Red Clay W/	140	110		H inch from to	PUMP INSTALLED	
Ked clay w/	HO	160		S I	DRILLER INSTALLED PUMP YES NO (CIRCLE) (YES or NO)	
stringers	1 160	190			IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.	
Tun Fine San	aner			screen type SCREEN RECORD	TYPE OF PUMP INSTALLED	
				or open hole ST BR HO	PLACE (A,C,J,P,R,S,T,O) 29 IN BOX 29.	
				appropriate STEEL BRASS OPEN BRONZE HOLE	CAPACITY:	
				code below PL OT	(to nearest gallon) 31 35	
				PLASTIC OTHER	PUMP HORSE POWER 72	
NUMBER OF UNSUCCES	SFUL WELL	S:	Ø	C 2 DEPTH (nearest ft.)	PUMP COLUMN LENGTH 90	
		yes	no	E1 PL 165 150	(nearest ft.) CASING HEIGHT (circle appropriate box	
WELL HYDROFRACTURE	D	Y	N	E 8 9 11 15 17 21 C	(circle appropriate box and enter casing height)	
CIRCLE APPR				H ² 23 24 26 30 32 36	49 LAND SURFACE	
A WELL WAS ABANDO	AS COMPLE			s c <u>3</u>	_ below (nearest)	
E ELECTRIC LOG OBTA		DUCTION		R 38 39 41 45 47 51 E	49 50 51	
WELL				E SLOT SIZE 1 0,020 2 3	LATITUDE 3 9. 463687	
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26 40.4 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE			HE ABOVE	OF SCREEN INCH)	LONGITUDE 7 5. 934403	
CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.			T OF MY	56 60 from to	(DEFAULT COORD. WGS 84) NOTES:	
DRILLERS LIC NO .	MWD	54	1.	GRAVEL PACK 155 180	NOTES.	
DRILLERS LIC. NO. 1 M M D 547 1			W	IF WELL DRILLED WAS FLOWING WELL		
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)				INSERT F IN BOX 68 68		
LIC. NO. 1				MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)		
LIC. NO. I			- '	T (E.R.O.S.) W Q	8	
	of drillor o	iournour	nan	70 72 74 75 76		
SITE SUPERVISOR (sign responsible for sitework if				TELESCOPE LOG 74 75 76 CASING INDICATOR OTHER DATA		
				COUNTY		

***	***************************************	Maryland 21230 (4	******	******	******
	WATER WELL ABANDONMENT-	SEALING REPOR	FORM		
***	***************************************	************	*****	******	******
SUB	MIT COPIES OF COMPLETED FORM TO: COUNTY ENVIRONMENT AGENCY (contact MDE, WMA if addre	(bebeen 22			
r	WELL OWNER				
r	MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROC	GRAM			
DAT	E WELL ABANDONED: 6.19.13 (month/day	//year)			
	PERMIT NUMBER OF ABANDONED WELL (if any)				
			E -12 -	0071	
r	PERMIT NUMBER OF REPLACEMENT WELL		12	wii	
	PERSON ABANDONING WELL: Deph D Borrell	WELL DRI	LERS LICENSE NUMBE	R: 54	77
				RCLE: MW	DIMSD/N
ł	OWNER'S NAME: KICHOYA HETTICK				
	WELL LOCATION:		SITE LOCATION MAP		
	COUNTY:	NA	~ h	1	
	NEAREST TOWN: Zayleville	1	dale Rd	Avel	
	TAX MAP 0052 BLOCK 0010 PARCEL 0295		dal 5 15 10	DIO	
	SUBDIVISION: Hack print	Farm	10 Bild	18	
	The second and a le bell	1	lon ville	11	
	1 at tude 39,463692		Con C	(0,)	>
				111 1	
	1 marchide - 75 984338		1	N.	
	Latitude 39.463692 Longitude - 75.984338		1 THO	vse	
	Longitude - 75.984338		THE	220	
			C Ho	N.	
	Longitude - 75.984338 Type of Well Being Abandoned:				RIAL
	TYPE OF WELL BEING ABANDONED:		LOG OF SEALI	NG MATER	
	TYPE OF WELL BEING ABANDONED: DRILLEDJETTED BORED/AUGEREDHAND DUG			NG MATER	RIAL -
	TYPE OF WELL BEING ABANDONED:		LOG OF SEALI	NG MATER	
	TYPE OF WELL BEING ABANDONED: DRILLEDJETTED BORED/AUGEREDHAND DUG		LOG OF SEALI	NG MATER	EET
*	TYPE OF WELL BEING ABANDONED: DRILLED JETTED BORED/AUGERED HAND DUG OTHER (specify) USE CODE:		LOG OF SEALI MATERIAL TopSoil concrete	NG MATER F	EET TO
*	TYPE OF WELL BEING ABANDONED: DRILLED JETTED BORED/AUGERED HAND DUG OTHER (specify) USE CODE: MUNICIPAL/PUBLIC MUNICIPAL/PUBLIC		LOG OF SEALI MATERIAL	NG MATER F	EET
*	TYPE OF WELL BEING ABANDONED: DRILLED JETTED BORED/AUGERED HAND DUG OTHER (specify) USE CODE:		LOG OF SEALI MATERIAL TopSoil concrete plug	NG MATER F	EET TO
k k	TYPE OF WELL BEING ABANDONED: DRILLED JETTED BORED/AUGERED HAND DUG OTHER (specify) USE CODE: DOMESTIC MUNICIPAL/PUBLIC IRRIGATION INDUSTRIAL TEST/OBSERVATION GEOTHERMAL		LOG OF SEALI MATERIAL TopSoil concrete plug	NG MATER FI FROM	EET TO
*	TYPE OF WELL BEING ABANDONED: DRILLED JETTED BORED/AUGERED HAND DUG OTHER (specify) USE CODE: MUNICIPAL/PUBLIC IRRIGATION INDUSTRIAL		LOG OF SEALI MATERIAL Topsoil concrete ping 1/2 pea gravel due cottomas/	NG MATER FI FROM	EET TO
*	TYPE OF WELL BEING ABANDONED: DRILLED JETTED BORED/AUGERED HAND DUG OTHER (specify) USE CODE: DOMESTIC MUNICIPAL/PUBLIC IRRIGATION INDUSTRIAL TEST/OBSERVATION GEOTHERMAL		LOG OF SEALI MATERIAL TopSoil concrete plug 1/2 pea gravel dill cottings/ concrete piece	NG MATER FROM	ЕЕТ ТО 3 9 1 2
*	TYPE OF WELL BEING ABANDONED: DRILLED JETTED BORED/AUGERED HAND DUG OTHER (specify) USE CODE: MUNICIPAL/PUBLIC IRRIGATION IRRIGATION INDUSTRIAL TYPE OF CASING: TYPE OF CASING:		LOG OF SEALI MATERIAL TopSoil concrete piug 1/2 pea graver dilli cuttings/ concrete piaca bentonite	NG MATER FI FROM	EET TO I 3
*	TYPE OF WELL BEING ABANDONED: DRILLED JETTED BORED/AUGERED HAND DUG OTHER (specify) USE CODE: X DOMESTIC MUNICIPAL/PUBLIC IRRIGATION INDUSTRIAL TEST/OBSERVATION GEOTHERMAL TYPE OF CASING:		LOG OF SEALI MATERIAL TopSoil concrete plug 1/2 pea gravel dill cottings/ concrete piece	NG MATER FROM	ЕЕТ ТО 3 9 1 2
*	TYPE OF WELL BEING ABANDONED: DRILLED JETTED BORED/AUGERED HAND DUG OTHER (specify) USE USE CODE: MUNICIPAL/PUBLIC IRRIGATION INDUSTRIAL TEST/OBSERVATION GEOTHERMAL TYPE OF CASING: PLASTIC STEEL PLASTIC X OTHER (specify)		LOG OF SEALI MATERIAL TopSoil concrete piug 1/2" pea graver drift cuttings/ concrete piece bentonite growt	NG MATER FROM	ЕЕТ ТО 1 3 9 12 14
*	TYPE OF WELL BEING ABANDONED: DRILLED BORED/AUGERED BORED/AUGERED HAND DUG OTHER (specify) USE CODE: OMESTIC IRRIGATION IRRIGATION IRRIGATION STEEL STEEL CONCRETE PLASTIC OTHER (specify) SIZE OF CASING: Image: Steel Image: Steel		LOG OF SEALI MATERIAL TopSoil concrete ping 1/2 pea gravel drill cuttings/ concrete pieces bentonite growt	NG MATER	EET TO 1 3 4 1 1 2 1 4 JSED
*	TYPE OF WELL BEING ABANDONED: DRILLED JETTED BORED/AUGERED HAND DUG OTHER (specify) USE USE CODE: MUNICIPAL/PUBLIC IRRIGATION INDUSTRIAL TEST/OBSERVATION GEOTHERMAL TYPE OF CASING: PLASTIC STEEL PLASTIC X OTHER (specify)		LOG OF SEALI MATERIAL TopSoil concrete piug 1/2" pea gravel drift cuttings/ concrete pieces bentonite growt Volume OF M 150 lbs top soil	NG MATER FROM	EET TO 1 3 4 12 14 JSED
* *	TYPE OF WELL BEING ABANDONED: DRILLED JETTED BORED/AUGERED HAND DUG OTHER (specify) HAND DUG USE CODE: MUNICIPAL/PUBLIC RRIGATION INDUSTRIAL TEST/OBSERVATION GEOTHERMAL TYPE OF CASING: PLASTIC STEEL PLASTIC STEEL OTHER (specify) SIZE OF CASING: INCHES IN DIAMETER DEPTH OF WELL: 14		LOG OF SEALI MATERIAL TopSoil concrete piug 1/2" pea gravel drift cuttings/ concrete pieces bentonite growt Volume OF M 150 lbs top soil	NG MATER FROM	EET TO 1 3 4 12 14 JSED
* * *	TYPE OF WELL BEING ABANDONED: DRILLED JETTED BORED/AUGERED HAND DUG OTHER (specify) HAND DUG USE CODE: MUNICIPAL/PUBLIC IRRIGATION INDUSTRIAL TEST/OBSERVATION GEOTHERMAL TYPE OF CASING: PLASTIC STEEL PLASTIC STEEL OTHER (specify) SIZE OF CASING: INCHES IN DIAMETER DEPTH OF WELL: 14 FEET DEEP WAS ANY CASING REMOVED? YES NO		LOG OF SEALI MATERIAL TOPSOIL CONCRETE PIUS 1/2 pea gravel dill cuttings/ concrete pieces bentonite growt VOLUME OF M	NG MATER FROM	EET TO 1 3 4 12 14 JSED
* *	TYPE OF WELL BEING ABANDONED: DRILLED JETTED BORED/AUGERED HAND DUG OTHER (specify)		LOG OF SEALI MATERIAL TopSoil concrete piug 1/2" pea gravel drift cuttings/ concrete pieces bentonite growt Volume OF M 150 lbs top soil	NG MATER FROM	EET TO 1 3 4 12 14 JSED
k k k k k k	TYPE OF WELL BEING ABANDONED: DRILLED JETTED BORED/AUGERED HAND DUG OTHER (specify) HAND DUG USE CODE: MUNICIPAL/PUBLIC IRRIGATION INDUSTRIAL TEST/OBSERVATION GEOTHERMAL TYPE OF CASING: PLASTIC STEEL PLASTIC STEEL OTHER (specify) SIZE OF CASING: INCHES IN DIAMETER DEPTH OF WELL: H YES NO if yes, length removed, in feet: YES		LOG OF SEALI MATERIAL TopSoil concrete piug 1/2" pea gravel drift cuttings/ concrete pieces bentonite growt Volume OF M 150 lbs top soil	NG MATER FROM	EET TO 1 3 4 12 14 JSED

al EMERGENCY/TEMP NO. IF ANY a), 00 # 241756 STATE PERMIT NUMBER SEQUENCE NO. STATE OF MARYLAND (MDE USE ONLY) _16 _0068 CE APPLICATION FOR PERMIT TO DRILL WELL please type ⁷⁰ fill in this form completely Date Received (APA) LOCATION OF WELL B 3 OWNER INFORMATION 13 COUN 21 Miller avid 15 First Name 34 Last Name 23 SUBDIVISION 42 eleq raph Rd Street or RED 55 MD ISING SU Sun 76 DRILLER INFORMATION 71 R5047-17 Mark Brown MW 0347 4 License No. 81 B 34 Telegraph ho Brown Brothers Drilling SOURCES OF DRILLING WATER 1. Water Well 30 1497 Kirks Mill Rd Nottingham PA 19362 2 NORTH ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) 32 E mark brown ignature 34 37 2 WELL INFORMATION B DISTANCE FROM ROAD 0 APPROX. PUMPING RATE ENTER FT OR MI 38 39 (GAL. PER MIN.) 8 12 D BLK: D PARCEL 284 1000 AVERAGE DAILY QUANTITY NEEDED TAX MAP (GAL. PER DAY) 14 20 NOT TO BE FILLED IN BY DRILLER USE FOR WATER (CIRCLE APPROPRIATE BOX) HEALTH DEPARTMENT APPROVAL D DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION 07 Cecil F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) COUNTY NAME COUNTY NO. STATE INDUSTRIAL, COMMERCIAL, DEWATERING 22 SIGNATURE INSERT S P PUBLIC WATER SUPPLY WELL DATE ISSUED TEST, OBSERVATION, MONITORING T 4/26/2018 4/27/2017 CO SIGNATURE 0 **OPEN LOOP GEOTHERMAL** MM 48 EXP. DATE DD YY C **CLOSED LOOP GEOTHERMAL** PROPOSED LOCATION OF WELL ON LOT 24 300 SHOW PERMANENT STRUCTURES SUCH AS BUILDINGS. SEPTIC SYSTEM. ____ FEET APPROXIMATE DEPTH OF WELL 28 ROADS AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCE MEASUREMENTS TO WELL NEAREST 0 APPROXIMATE DIAMETER OF WELL INCH METHOD OF DRILLING (circle one) BORED (or Augered) JETTED Jetted & DRIVEN 30 15 AIR-ROTary AIR-PERcussion **ROTARY (Hydraulic Rotary)** 37 CABLE **REVerse-ROTary DRive-POINT** 30 45' other 20 REPLACEMENT OR DEEPENED WELLS (CIRCLE APPROPRIATE BOX) N THIS WELL WILL NOT REPLACE AN EXISTING WELL THIS WELL WILL REPLACE A WELL THAT WILL BE Y ABANDONED AND SEALED Hank THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY 39 S 00 FOR POLICY ON STANDBY WELLS D THIS WELL WILL DEEPEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPENED N (IF AVAILABLE) 41 -52 Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROP. PERMIT NUMBER PERMIT No. CE 72 73 74 75 SPECIAL CONDITIONS . APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED



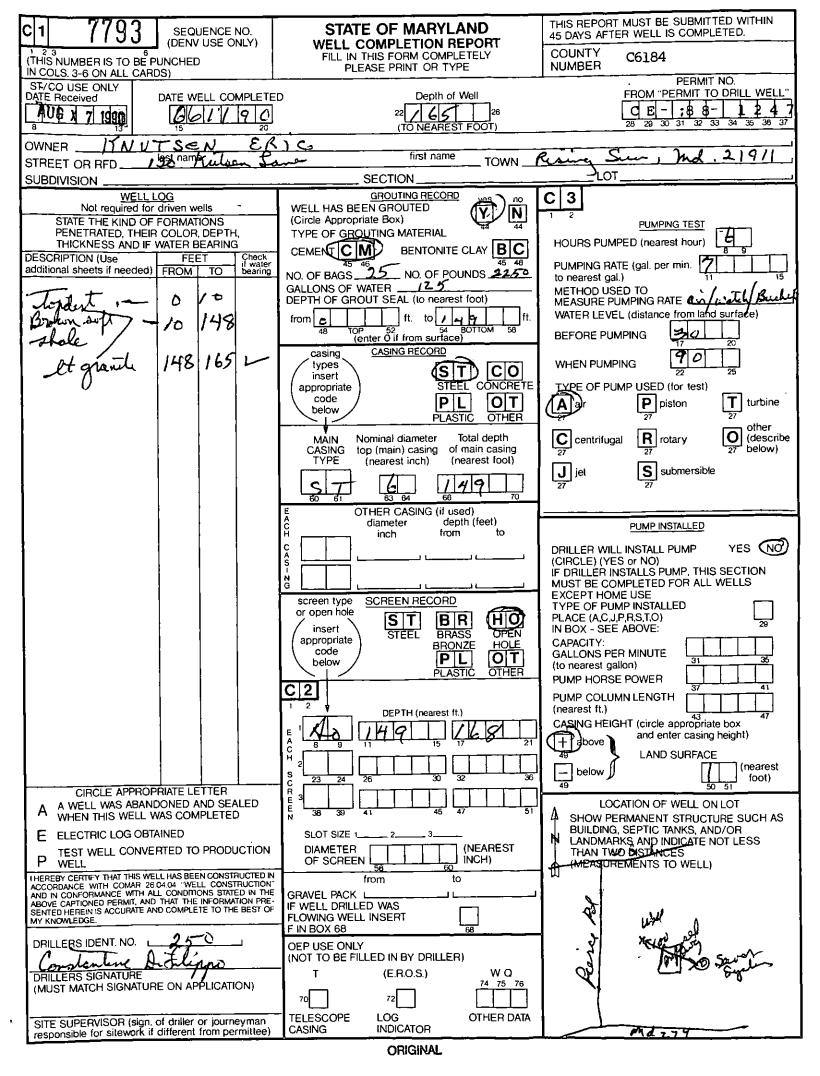
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22 U OTHER (REQUIRES APPROPRIATION I	PERMIT)	SIGNATURE	110	
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T TEST, OBSERVATION, MONITORING (I APPROPRIATION PERMIT)		NORTH 6 8 0 0 0 GRID 50	0 EAS 55 GRI	57 1067 000 57 63
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Normalize box REPLACEMENT OR DEEPENED WELLS (CIRCLE APPROPRIATE BOX) N 670 ∞ Draws A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION 9 S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY N 670 ∞ 9 S THIS WELL WILL DEEPEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPENDED (IF AVAILABLE) 41 ∞ N N Not to be filled in by driller (OEP USE ONLY) Safe 63 RT	<u>CABLE</u> <u>REv</u> erse <u>-HOT</u> ary	DHW8-POINT	E /0/		
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67 68 70 71 72 73 74 75 76 77 78 79			Ri	1 2-	
		88-1166		x 74	

C1 144 SEQUENCE NO.	STATE OF MARYLAND	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
(THIS NUMBER IS TO BE PUNCHED	WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE	COUNTY NUMBER C5665
IN COLS. 3-6 ON ALL CARDS)	Depth of Well	PERMIT NO. FROM "PERMIT TO DRILL WELL"
DATE Received DATE WELL COMPLETED		CE-88-1166
	(TO NEAREST FOOT)	28 29 30 31 32 33 34 35 38 37
OWNER	FRCE Rd. first name TOWN	Rising Sun Md. 21911
SUBDIVISION	<u>ERCE RA</u> . Institutie TOWN	Rot
WELL LOG		C 3
Not required for driven wells STATE THE KIND OF FORMATIONS	(Circle Appropriate Box)	1 2 PUMPING TEST
PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING	TYPE OF GROUTING MATERIAL	HOURS PUMPED (nearest hour)
DESCRIPTION (Use FEET Check		PUMPING RATE (gal. per min. 20
additional sheets if needed) FROM TO bearing	NO. OF BAGS 13 NO. OF POUNDS 1222.	to nearest gal.) METHOD USED TO BUCKET + WATCH
BROWN	DEPTH OF GROUT SEAL (to nearest foot)	
SAND.	from 6	WATER LEVEL (distance from land surface)
BROWN SANdy SOIL 0 20	(enter O if from surface) casing <u>CASING RECORD</u>	
2014 0	types ST CO	
	(appropriate) STEEL CONCRETE	TYPE OF PUMP USED (for test)
Day 30 39	below PLASTIC OTHER	A air P piston T turbine
BROWN 20 39 WEATHERED Rock	MAIN Nominal diameter Total depth	C centrifugal R rotary O other (describe
WEAT/AEreq A	CASING top (main) casing of main casing TYPE (nearest inch) (nearest foot)	27 27 27 below)
Koch		J jet S submersible
		, <u>.</u>
	E OTHER CASING (if used) A diameter depth (feet)	PUMP INSTALLED
HARd GRAY 39 80	inch from to	
HARD GRAY 39 80 GRANITE		CIRCLE) (YES or NO)
		MUST BE COMPLETED FOR ALL WELLS
	screen type SCREEN RECORD	EXCEPT HOME USE TYPE OF PUMP INSTALLED
	insert STEEL BRASS OPEN	PLACE (A,C,J,P.R,S,T,O)
	(appropriate code) BRONZE HOLE	
	below PL OT PLASTIC OTHER	(to nearest gallon) 31 35 PUMP HORSE POWER
	C 2	
		(nearest ft.)
		CASING HEIGHT (circle appropriate box and enter casing height)
	$\begin{bmatrix} A \\ C \\ C \\ H \\ 2 \end{bmatrix} \begin{bmatrix} -1 \\ -1 \\ -1 \end{bmatrix} \begin{bmatrix} -1 \\ -1 $	
		$ = below \qquad \qquad$
CIRCLE APPROPRIATE LETTER		
	N 30 39 41 40 47	A SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND/OR
E ELECTRIC LOG OBTAINED TEST WELL CONVERTED TO PRODUCTION		IN LANDMARKS AND INDICATE NOT LESS
P WELL	OF SCREEN 56 0 INCH)	THAN TWO DISTANCES (MEASUREMENTS TO WELL)
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	GRAVEL PACK	LOT LINE IS
ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRE- SENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF	IF WELL DRILLED WAS	· 1 1
MY KNOWLEDGE.	F IN BOX 68 68	I FILXE X
DRILLERS IDENT. NO.	OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)	15° 4
DRILLERS SIGNATURE	T (E.R.O.S.) W O	ERCE 18
(MUST MATCH SIGNATURE ON APPLICATION)		
SITE SUPERVISOR (sign, of driller or journeyman	TELESCOPE LOG OTHER DATA	LOT LINE :
responsible for sitework if different from permittee)	CASING INDICATOR	<u> </u>

Pot 446.5129/90 #68276-125K	EMERGENCY/TEMP NO. IF ANY		
B 1 0972 SEQUENCE NO. (DP USE ONLY)	PERMIT TO	MARYLAND DRILL WELL	STATE PERMIT NUMBER
IN COLS. 36 ON ALL CAROS) Date Received (APA)		B 3	fill in this form completely
OS2990 OWNER INFORMA	TION		C6184
15 Last Name 15 Last Name 130 KINETSCON	First Name 34	23 SUBDIVISION	
36 Street or RFD ST 5 / NG S / N	55 Mal 2 1 9 1 1 State 72 27p 76	SECTION 44 46	
CONSTRATION DI FILM	1 2 5 1 2 5 1	52 NEAREST TOWN MILES FROM TOWN (ent	er 0 if in town)
A DUADUR TUC	77 License No 80	B 4 DIRECTION OF WELL FROM	PICRCCRd 11 NEAR WHAT ROAD 30
Address Bluckall Pol, El	<u>5-29-9</u> 0		ON WHICH SIDE OF ROAD
B 2 WELL INFORMATION			(CIRCLE APPROPRIATE BOX)
APPROX. PUMPING RATE (GAL. PER MIN.)			34 DISTANCE FROM ROAD ENTER FT OF MI
USE FOR WATER (CIPCLE APPRO	20 OPRIATE BOX)		
F FARMING (LIVESTOCK WATERING & A		Cecil COUNTY NAME	
22 INDUSTRIAL, COMMERCIAL, STATE AN 22 OTHER (REOUIRES APPROPRIATION P	ERMIT)	STATE SIGNATURE	
PUBLIC OR PRIVATE WATER COMPAN P APPROPRIATION PERMIT AND STATE H APPROVAL)	Y (REQUIRES EALTH DEPARTMENT		SIGNATURE (EXP DATE
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GURVIS JONES	47	MILES FROM TOWN (enter	0 if in town) $\boxed{\frac{7}{73}}$	M I 76 77 78
Driller's Name JONES + HAMILTON	77 License No. 80	2	PiERC	E Rd.
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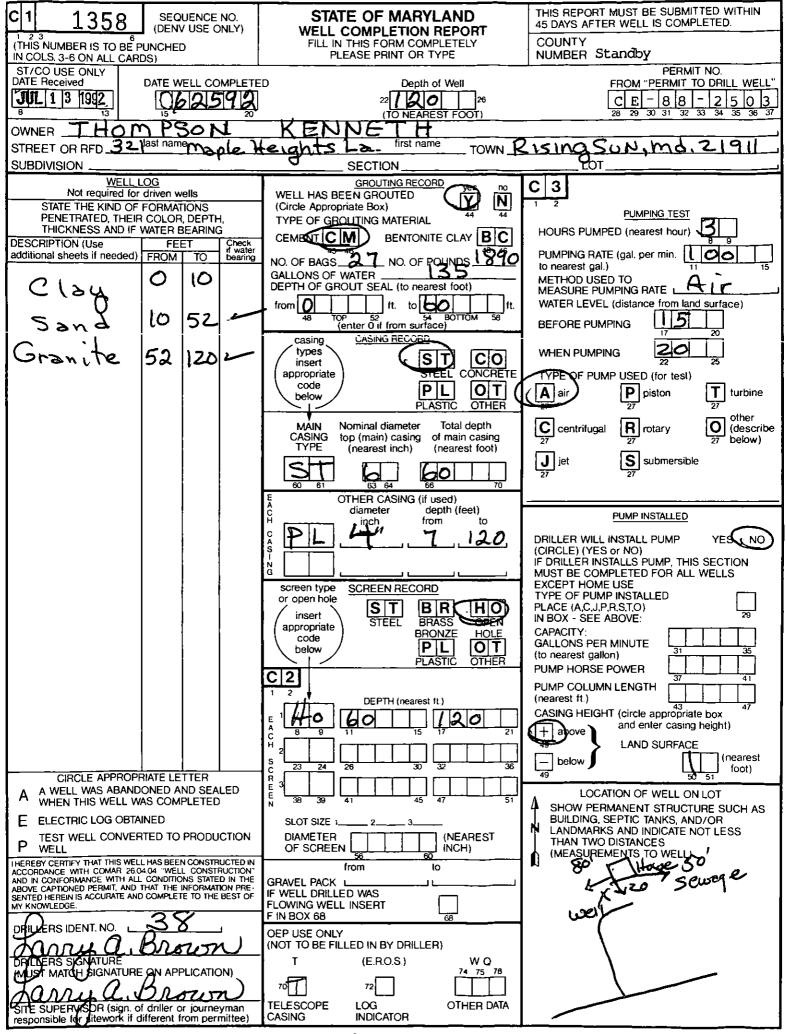
c1 7794				STATE OF MARYLAND WELL COMPLETION REPORT	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.		
(DENV USE ONLY) 1 2 3 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)				FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE	COUNTY NUMBER C6038		
ST/CO USE ONLY DATE Received	DATE WEL		-		PERMIT NO. FROM "PERMIT TO DRILL WELL"		
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SUBDIVISION	IOR -			SECTION	LOT		
WELL L Not required for	driven well			GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box)			
STATE THE KIND OF PENETRATED, THEIF THICKNESS AND IF	R COLOR, D	EPTH,			PUMPING TEST HOURS PUMPED (nearest hour)		
DESCRIPTION (Use additional sheets if needed)	FEET	Ch	eck vater aring	CEMENT C M BENTONITE CLAY B C 45 46 NO. OF BAGS / 45 NO. OF POUNDS / 3/6	PUMPING RATE (gal. per min.		
		10 10		NO. OF BAGS NO. OF POUNDS GALLONS OF WATER DEPTH OF GROUT SEAL (to nearest foot)	To nearest gal.) METHOD USED TO BUCKET WATCH		
RANUN				from ft. to 55 ft.	WATER LEVEL (distance from land surface)		
BROWN SANdy Mica SOIL				48 TOP 52 54 BOTTOM 58 (enter O if from surface) casing <u>CASING RECORD</u>			
SOIL	01	16		types ST CO			
				(appropriate) code balance PLOT	TYPE OF PUMP USED (for test) A air P piston T turbine		
_		_		PLASTIC OTHER	27 27 27 27 other		
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WEATHERED				TYPE (nearest inch) (nearest foot)	J jet		
SANG ROCK				E OTHER CASING (if used)	-' -'		
				E OTHER CASING (if used) A diameter depth (feet) H inch from to	PUMP INSTALLED		
	50 9	18 4	~		DRILLER WILL INSTALL PUMP YES (CIRCLE) (YES or NO)		
HARD GRAY					IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS		
HARD GRAY GRANITE				screen type or open hole STBRHO	EXCEPT HOME USE TYPE OF PUMP INSTALLED		
				appropriate STEEL BRASS OPEN BRONZE HOLE	IN BOX - SEE ABOVE:		
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E ELECTRIC LOG OBTAINED TEST WELL CONVERTED TO PRODUCTION			ION		N LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES		
P WELL OF SCREEN L I I I I I (MEASUREMENTS TO WELL)							
AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRE- CENTED LEDRING ACCURATE AND COMPLETE TO THE BEST OF			N THE	GRAVEL PACK	×		
MY KNOWLEDGE				FLOWING WELL INSERT			
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DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION))	T (E.R.O.S.) W Q	7 20 WEI.		
				70 72 TELESCOPE LOG OTHER DATA	× 20		
SITE SUPERVISOR (sign. responsible for sitework if	of driller or different fro	journeyn om permit	nan itee)	CASING INDICATOR	LOTLINE		

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12 H40, 6/11/92 # 79578-MSL	EMERGENCY/TEMP NO. IF ANY		
B 1 6368 SEQUENCE NO. (DP USE ONLY)	STATE OF N		
1 2 3 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)	APPLICATION FOR PEI please prir		C E - 8 8 - 2 5 0 3 70 fill in this form completely 79
Date Received (APA) Home - 410-6		B 3	LOCATION OF WELL
B B J J J P B OWNER INFORM	MATION 302-366-2147	Cecilli B COUNTY	Standby
15 Last Name	First Name 34		42
3821 Maple Hell 38 Street or RFD	ghts La		
RISING SUN	Md. 2 (9 ()) 70 State 72 Zip 76	Risting	$ S \cup N = I = I = I $
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Buller's Name BLOGIAL Bras Drill		B 4	m2,273
HITKIEKSMILLRD, Notting	ham PA, 19362	DIRECTION OF WELL FROM TOWN (CIRCLE BOX)	11 NEAR WHAT ROAD 30
Jarry a, Brown	6-8-92 Date		
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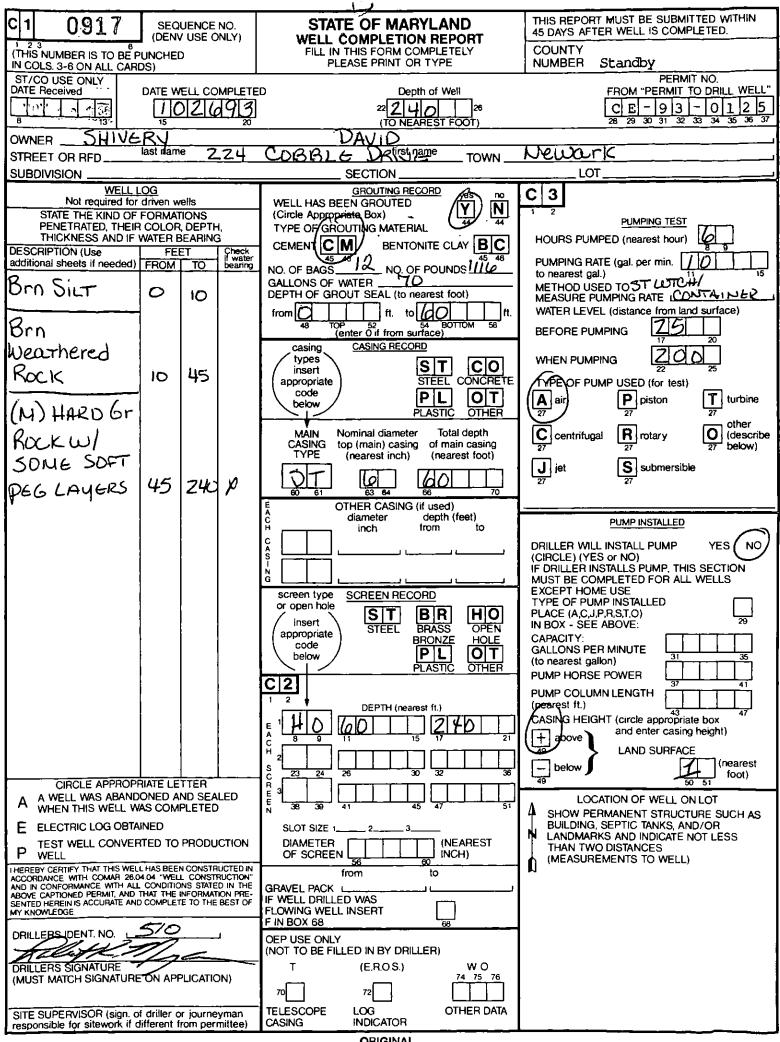
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44	ZZ4 COBBLE DRI			
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(CIRCLE APPROPRIATE BOX) Image: Colspan="2">Interplace a vell that will be abandoned and sealed 38 This well will Replace a well that will be used as a standby contact local approving authority for policy on standby wells Image: Distance from well will deepen an existing well Permit number of well to be filled in by driller (OEP USE ONLY) Approp. permit number Image: Distance from well number of the filled in by driller (OEP USE ONLY) Approp. permit number Image: Distance for the filled in by driller (OEP USE ONLY) Approp. permit number Image: Distance for the filled in by driller (OEP USE ONLY) Approp. permit number Image: Distance for the filled in by driller (OEP USE ONLY) Approp. permit number Image: Distance for the filled in by driller (OEP USE ONLY) Approp. permit number Image: Distance for the filled in by driller (OEP USE ONLY) Approp. permit no. Image: Distance for the filled in by driller (OEP USE ONLY) Approp. permit no. Image: Distance for the filled in by driller (OEP USE ONLY) Approp. permit no. Image: Distance for the filled in by driller (OEP USE ONLY) Image: Distance for the filled in by driller (Train the filled filled filled filled filled filled filled filled filled f			000
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39 S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS D THIS WELL WILL DEEPEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPENED (IF AVAILABLE) 41 Not to be filled in by driller (OEP USE ONLY) APPROP. PERMIT NUMBER G A P 54 63 FORCE WRITE NOX PERMIT NO. CE 94 70 71 71 72 73 74 76 77 78 79		THIS WELL WILL REPLACE A WELL THAT WILL BE	
A STANDBY - CONTACT VOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS THIS WELL WILL DEEPEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPENED (IF AVAILABLE) 4152 Not to be filled in by driller (OEP USE ONLY) APPROP. PERMIT NUMBER63 FORCEWRITE FORCEWRITE FORCEWRITE SPECIAL CONDITIONS		39 C THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS	N STEE
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPENED (IF AVAILABLE) 41 Not to be filled in by driller (OEP USE ONLY) APPROP. PERMIT NUMBER G A P 54 G A P 54 G A P 54 G A P 55 C APPROP. PERMIT NUMBER G A P 54 G A P 54 G A P 55 C 56 T 7 78 79 SPECIAL CONDITIONS			- way
Not to be filled in by driller (OEP USE ONLY) APPROP. PERMIT NUMBER G A P 63 FORCE WRITE NUTALS PERMIT NO. CE-94-0648 70 71 72 73 74 75 76 77 78 79 SPECIAL CONDITIONS		PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPENED	
APPROP. PERMIT NUMBER GAP 54 63 FORCE WRITE FORCE FORCE FORCE FOR THALS PERMIT NO. CE-94-0648 70 71 72 73 74 75 76, 77 78 79 SPECIAL CONDITIONS			× ×
FORCE WRITE FORCE FORCE FORCE FOR THE NOTALS PERMIT NO. CE - 94 - 0648 67 68 NBOX PERMIT NO. CE - 94 - 0648 70 71 72 73 74 75 76 77 78 79 SPECIAL CONDITIONS			171- 1991 01
SPECIAL CONDITIONS		54 63	The stand rea.
SPECIAL CONDITIONS NOTE = APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED =		FORCE INITIALS PERMIT No. CE - 94 - 0648	RCE
		SPECIAL CONDITIONS NOTE = APPROVING AUTHORITIES SHOULD USE SE	PARATE SHEET IF NEEDED =

ORIGINAL-STATE

C1 1666 SEQUENCE NO.	STATE OF MARYLAND	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
(THIS NUMBER IS TO BE PUNCHED	WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE	COUNTY NUMBER Repl. R1130
IN COLS. 3-6 ON ALL CARDS) ST/CO USE ONLY DATE Received DATE WELL COMPLETED	Depth of Well	PERMIT NO. FROM "PERMIT TO DRILL WELL"
DATE Received DATE WELL COMPLETE	22 105 26	CE - 94 - 0648 28 29 30 31 32 33 34 35 36 37
OWNER BELEW	(TO NEAREST FOOT)	
STREET OR RFD last name 441 TE	LEGRAPH Rd. first name TOWN_	Rising Sun, Md. 21911
SUBDIVISION	GROUTING RECORD no	C 3
Not required for driven wells STATE THE KIND OF FORMATIONS	WELL HAS BEEN GROUTED (Circle Appropriate Box)	1 2 PUMPING TEST
PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING	CEMENT CM BENTONITE CLAY BC	HOURS PUMPED (nearest hour)
Additional sheets if needed) FROM TO bearing	NO. OF BAGS 20 NO. OF POUNDS 1880	PUMPING RATE (gal. per min. 11 15
BROWN	GALLONS OF WATER DEPTH OF GROUT SEAL (to nearest foot)	METHOD USED TO DUCKET + WATCH
SANdy SOIL 0 21	from 7 ft. to 75 ft. 48 TOP 52 ft. to 75 ft. (enter 0 if from surface) ft.	WATER LEVEL (distance from land surface) BEFORE PUMPING
	casing CASING RECORD	
BROWN SANdy 21 40	types insert appropriate STEL CONCRETE	WHEN PUMPING
BROWN SANdy 21 40	code below PL OT	A air P piston T turbine
CLITY	PLASTIC OTHER MAIN Nominal diameter Total depth	C centrifugal R rotary O other (describe
FRAJURED 40 50 -	CASING top (main) casing of main casing TYPE (nearest inch) (nearest foot)	27 27 27 below)
FLINT & BROWN TO SU	ST 6 75T	J jet S submersible
SAND	60 61 63 64 66 70 E OTHER CASING (if used) diameter depth (feet)	the state of the second second
SOFT WEATHER 50 70 -	c inch from to	DRILLER WILL INSTALL PUMP YES NO
ROCK GREENS BROWN		DRILLER WILL INSTALL PUMP YES NOT (CIRCLE) (YES or NO) IF DRILLER INSTALLS PUMP. THIS SECTION
	screen type SCREEN RECORD	MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE
MEdium HARD 75 105 - GREEN tORAY ROCK	or open hole ST BR HO	TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE: 29
Roch	(appropriate STEEL BRASS OPEN code BRONZE HOLE	CAPACITY: GALLONS PER MINUTE
WATER BEAKING FROM 40' TO 105'	below PL OT PLASTIC OTHER	(to nearest gallon) 31 35 PUMP HORSE POWER
IN HARD ROCK AREAS, IDENTIFY SPECIFICALLY		PUMP COLUMN LENGTH
WHERE SATURATED FRACTURES WERE OBSERVED.	DEPTH (nearest ft.)	CASING HEIGHT (circle appropriate box
WELL HYDROFRACTURED	A B 9 11 15 17 21 H 2 1 15 17 21	LAND SURFACE
CIRCLE APPROPRIATE LETTER	S 23 24 26 30 32 36 R 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	49 below (nearest foot)
A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED	E 3 N 38 39 41 45 47 51	LOCATION OF WELL ON LOT A SHOW PERMANENT STRUCTURE SUCH AS
E ELECTRIC LOG OBTAINED	SLOT SIZE 1 2 3 DIAMETER	BUILDING, SEPTIC TANKS, AND/OR LANDMARKS AND INDICATE NOT LESS
P WELL THEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN	OF SCREEN 56 60 INCH)	THAN TWO DISTANCES (MEASUREMENTS TO WELL)
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-	GRAVEL PACK	
SENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.	IF WELL DRILLED WAS FLOWING WELL INSERT	House House
DRILLERS IDENT. NO. 47	MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)	V EEIX
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)	T (E.R.O.S.) W Q 74 75 76	107 USALL
	70 72	
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)	TELESCOPE LOG OTHER DATA CASING INDICATOR	TELEGRAPH Rd.

2 #80.3/28/96 # 107620- "	MSK MERGENCY/TEMP NO. IF ANY		EL STATE USE NOUS I NES JESSUP, ND 20704
2 1 2227 SEQUENCE NO.	STATE OF MAR	VIAND F- DATU	STATE PERMIT NUMBER
THIS NUMBER IS TO BE PUNCHED	APPLICATION FOR PERMIT please print or	T TO DRILL WELL	C = -94 - 1216 ⁷⁰ fill in this form completely ⁷⁹
IN COLS. 3-6 ON ALL CARDS) Date Received (APA)	B 3	1	CATION OF WELL
032896 OWNER INFORM			F0074
PELL GREQ 15 Last Name Owner	First Name 34	8 COUNTY	21
463 TELEQRAPH 36 Street or RPD			42
Rising Sun 57 Town 70	M 2 1 9 1 1 State 72 Zip 76	RISING SU	
DRILLER INFORMATION	CIRCLE: MSD/MGD/MWD/	52 NEAREST TOWN	n town)
Ourvis JONES WELL DR	TT License No. 80 B 4		TELE anaph Rd.
Firm Name PROSPECT Mill RA. B.		ECTION OF WELL FROM 11 WN (CIRCLE BOX)	NEAR WHAT ROAD 30
* Signature	3-26-96 Date		ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
B 2 WELL INFORMATION			34 2 0 37 SOUTH DISTANCE FROM ROAD
			ENTER FT OR MI
(GAL. PER DAY)		8-9 S 8-9 TAX	
HOME (SINGLE OR DOUBLE HOUSEHO			O BE FILLED IN BY DRILLER TH DEPARTMENT APPROVAL
FARMING (LIVESTOCK WATERING & AG	C	Cecil COUNTY NAME	COUNTY NO.
22 INDUSTRIAL, COMMERCIAL, STATE AND 22 OTHER (REQUIRES APPROPRIATION PE PUBLIC OR PRIVATE WATER COMPANY	RMIT) S	TATE IGNATURE DATE ISSUED	INSERT S
P APPROPRIATION PERMIT AND STATE HI APPROVAL)		d 3 2 9 9 6 48 CO SIGN	ATURE EXP. DATE
		ORTH 681000	EAST GRID 57 63
APPROXIMATE DEPTH OF WELL	FEET B	HOW MAJOR FEATURES OF BOX & LOCATE WELL	-
APPROXIMATE DIAMETER OF WELL		OURCES OF DRILLING WATE	R
METHOD OF DRILLING (cir	cle one) 2		
BORED (or Augered) JETTED		WRITE THE BOX NUMBER	
37 CABLE REVerse-ROTary	DRive-POINT		X
REPLACEMENT OR DEEPENE	D WELLS	N 680	000
(CIRCLE APPROPRIATE BO)	DI		DWING LOCATION OF WELL IN
THIS WELL WILL REPLACE A WELL THAT ABANDONED AND SEALED	WILL BE DI	ISTANCE FROM WELL TO NE	AREST ROAD JUNCTION
³⁹ S THIS WELL WILL REPLACE A WELL THAT A STANDBY-CONTACT LOCAL APPROVING POLICY ON STANDBY WELLS	WILL BE USED AS		THE .
D THIS WELL WILL DEEPEN AN EXISTING W PERMIT NUMBER OF WELL TO BE REPLACED		2	
(IF AVAILABLE) 41	52	h.	/ ×
Not to be filled in by driller (MDE OR COU			
		Pit	TELEGRAPH Rd.
FORCE NUTALS PERMIT No. C E - C		Ed.	0
SPECIAL CONDITIONS NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED +			8

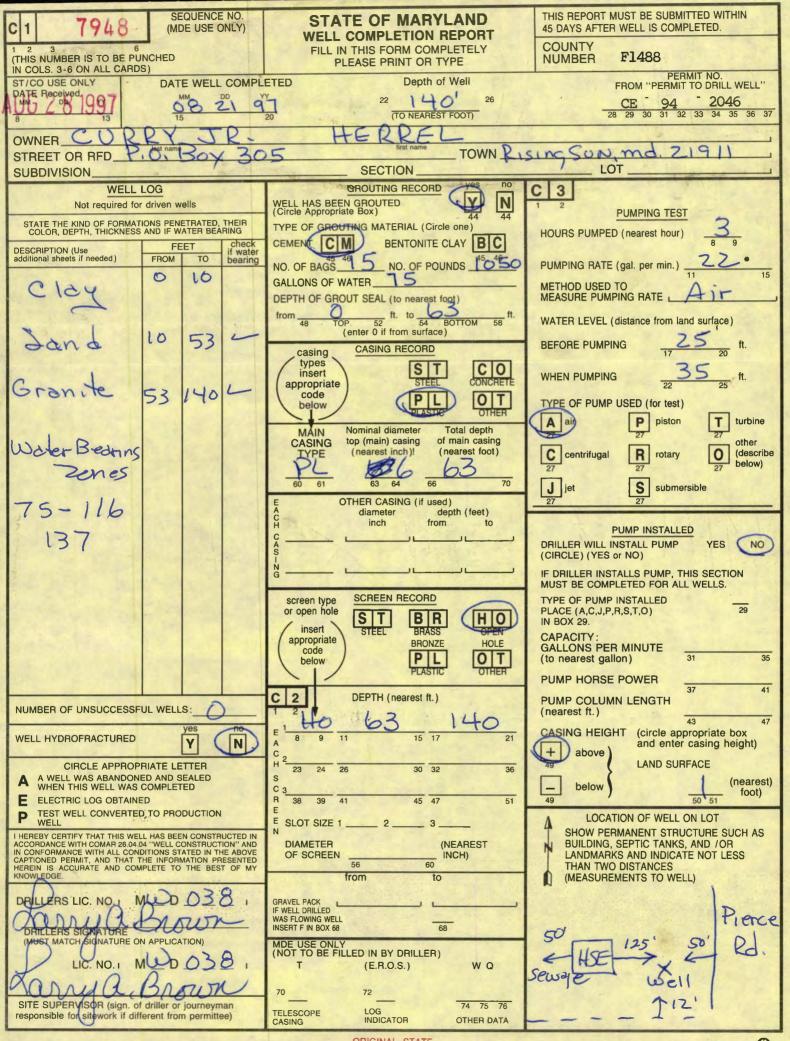
10

C 1 8749 SEQUEN (DENV US		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)	L ONLI')	FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE	COUNTY NUMBER F0074
ST/CO USE ONLY DATE Received DATE WELL	COMPLETE	D Depth of Well	PERMIT NO. FROM "PERMIT TO DRILL WELL"
APR X 3 1916 8 13 15	196	22 1 D C 26 (TO NEAREST FOOT)	C E - 9 4 - 1 2 1 6 28 29 30 31 32 33 34 35 36 37
OWNER PELL last name		REG- ELEGRAPH RD- first name TOWN	RISING SUN
SUBDIVISION	100 .	SECTION	LOT
WELL LOG Not required for driven wells		GROUTING RECORD WELL HAS BEEN GROUTED	C 3
STATE THE KIND OF FORMATION PENETRATED, THEIR COLOR, DE THICKNESS AND IF WATER BEA	PTH,	TYPE OF GROUTING MATERIAL	PUMPING TEST HOURS PUMPED (nearest hour)
DESCRIPTION (Use FEET additional sheets if needed) FROM 1	Check if water	CEMENT CM BENTONITE CLAY BC	PUMPING RATE (gal. per min.
	O bearing	NO. OF BAGS NO. OF POUNDS	to nearest gal.) METHOD USED TO MEASURE PUMPING RATE
BROWN SANdy CLAY		DEPTH OF GROUT SEAL (to nearest foot) from ft. to ft.	WATER LEVEL (distance from land surface)
SAMAY CLAY D 3.	5	48 TOP 52 54 BOTTOM 58 (enter 0 if from surface) Casino CASING RECORD	
		types ST CO	WHEN PUMPING
SOFT BROWN 356	S	(appropriate code) STEEL CONCRETE	TYPE OF PUMP USED (for test) A air P piston T turbine
SOFT BROWN 35 6. WEATHERED SAND ROCK		PLASTIC OTHER	27 27 27 27 other
Sill Part 15 R	74	MAIN Nominal diameter Total depth CASING top (main) casing of main casing TYPE (nearest inch) (nearest foot)	C centrifugal R rotary O (describe below)
3/1/ // 000	1	PL 6 104	J jet Submersible
WEATHEREd	1 8.	60 61 63 64 66 70	
ENAITURED 87 11	0 2	A diameter depth (feet) H inch from to	PUMP INSTALLED
BROWN SANd BROWN SANd ROCK			DRILLER WILL INSTALL PUMP YES NO (CIRCLE) (YES or NO)
10 1.11	20	N G	IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS
ADDA THEFALL VI I		screen type or open hole incort ST BR HO	EXCEPT HOME USE TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O)
GRAY GRANITE WATER BEARING AT 70 FT. 90FT. + 140	35 FT.	appropriate STEEL BRASS OPEN HOLE	IN BOX - SEE ABOVE: 29 CAPACITY: 29
TOKT GOFT + 141	FT	below PLASTIC OTHER	GALLONS PER MINUTE (to nearest gallon)
IN HARD ROCK AREAS, IDENTIFY SPECI	FICALLY	C[2]	PUMP HORSE POWER
WHERE SATURATED FRACTURES WERE		DEPTH (nearest ft.)	(nearest ft.)
WELL HYDROFRACTURED			and enter casing height)
		H 2 S 23 24 26 30 32 36	below (nearest foot)
CIRCLE APPROPRIATE LETTI A WELL WAS ABANDONED AND	SEALED		49 50 51 LOCATION OF WELL ON LOT
E ELECTRIC LOG OBTAINED	TED	N 38 39 41 45 47 51 SLOT SIZE 123	A SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND/OR
P TEST WELL CONVERTED TO PR	ODUCTION	DIAMETER OF SCREEN	LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CO ACCORDANCE WITH COMAR 26.04.04 "WELL C AND IN CONFORMANCE WITH ALL CONDITIONS	ONSTRUCTION"	GRAVEL PACK	
ABOVE CAPTIONED PERMIT, AND THAT THE INFO SENTED HEREIN IS ACCURATE AND COMPLETE TO MY KNOWLEDGE.	RMATION PRE-	GRAVEL PACK	HOUSE 5
DRILLERS IDENT. NO. 447	_	F IN BOX 68 68 MDE USE ONLY	
DRILLERS SIGNATURE		(NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q	1.20
(MUST MATCH SIGNATURE ON APPLIC			WELL
SITE SUPERVISOR (sign of driller or jo	ourneyman	TELESCOPE LOG OTHER DATA	ROUTE 273
responsible for sitework if different from	permittee)		KOUTE 273

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ORIGINAL-STATE

-1488-96 EMERGENCY/TEMP NO. IF ANY Pol #86, 8/11/97 #116811-MSK STATE PERMIT NUMBER SEQUENCE NO STATE OF MARYLAND B 1 (MDE USE ONLY) APPLICATION FOR PERMIT TO DRILL WELL CE - 94 - 2046(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS) please print or type 70 fill in this form completely LOCATION OF WELL 410-658-641 OWNER INFORMATION Date Received (APA) B 3 ate Received 17_ 08-11-97_ 13 F1488 COUNTY MM DD YY JR, HERREL URRY 23 SUBDIVISION 42 SECTION L Street or RFD 55 2191 NEAREST TOWN md SUN SING 70 71 State Zin 52 DRILLER INFORMATION MILES FROM TOWN (enter 0 if in town) MWD038 BROWN RRY A. **B** 4 Pierce Rd 11 NEAR WHAT ROAD 2 DIRECTION OF WELL FROM FOWN (CIRCLE BOX) ina OWN 30 NORTH Nottingham PA R 19362 ON WHICH SIDE OF ROAD NW NE (CIRCLE APPROPRIATE BOX) WZE darry a. Brown S W TOWN 37 F SOUTH Signature B 2 WELL INFORMATION DISTANCE FROM ROAD APPROX. PUMPING RATE 1 ENTER FT OR MI 38 (GAL. PER MIN.) 12 Sw TAX MAP: 14 BLK: 12 PARCEL 739 S AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 20 NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL USE FOR WATER (CIRCLE APPROPRIATE BOX) D HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) Cecil FARMING (LIVESTOCK WATERING & AGRICULTURAL F IRRIGATION COUNTY NAME COUNTY NO. STATE SIGNATURE INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. INSERT S -22 1 OTHER (REQUIRES APPROPRIATION PERMIT) DATE ISSUED 08-13-97 08-12-98 PUBLIC OR PRIVATE WATER COMPANY (REQUIRES P APPROPRIATION PERMIT AND STATE APPROVAL 43 MM DD YY CO SIGNATURE EXP. DATE 48 EAST GRID NORTH 19 000 7000 TEST, OBSERVATION, MONITORING (MAY REQUIRE T GRID 57 50 APPROPRIATION PERMIT) SHOW MAJOR FEATURES OF 24 BOX & LOCATE WELL APPROXIMATE DEPTH OF WELL J FEET WITH AN X 28 SOURCES OF DRILLING WATER NEAREST APPROXIMATE DIAMETER OF WELL 6 1. Well INCH 2. METHOD OF DRILLING (circle one) 3. BORED (or Augered) JETTED Jetted & DRIVEN 30 AIR-ROTary AIR-PERcussion **ROTARY (Hydraulic Rotary)** WRITE THE BOX NUMBER 37 CABLE **REVerse-ROTary DRive-POINT** FROM THE MAP HERE other REPLACEMENT OR DEEPENED WELLS 000 (CIRCLE APPROPRIATE BOX) N THIS WELL WILL NOT REPLACE AN EXISTING WELL THIS WELL WILL REPLACE A WELL THAT WILL BE DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN Y ABANDONED AND SEALED RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION THIS WELL WILL REPLACE A WELL THAT WILL BE USED 39 S AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS D THIS WELL WILL DEEPEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPENED (IF AVAILABLE) Ν 41 52 Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROP. PERMIT NUMBER 54 63 WRITE INITIALS IN BOX PERMIT No. 70 71 72 73 74 75 76 77 78 79 CE- 94 - 2046 FORCE 68 SPECIAL CONDITIONS SHOULD USE SEPARATE SHEET IF NEEDED ORIGINAL

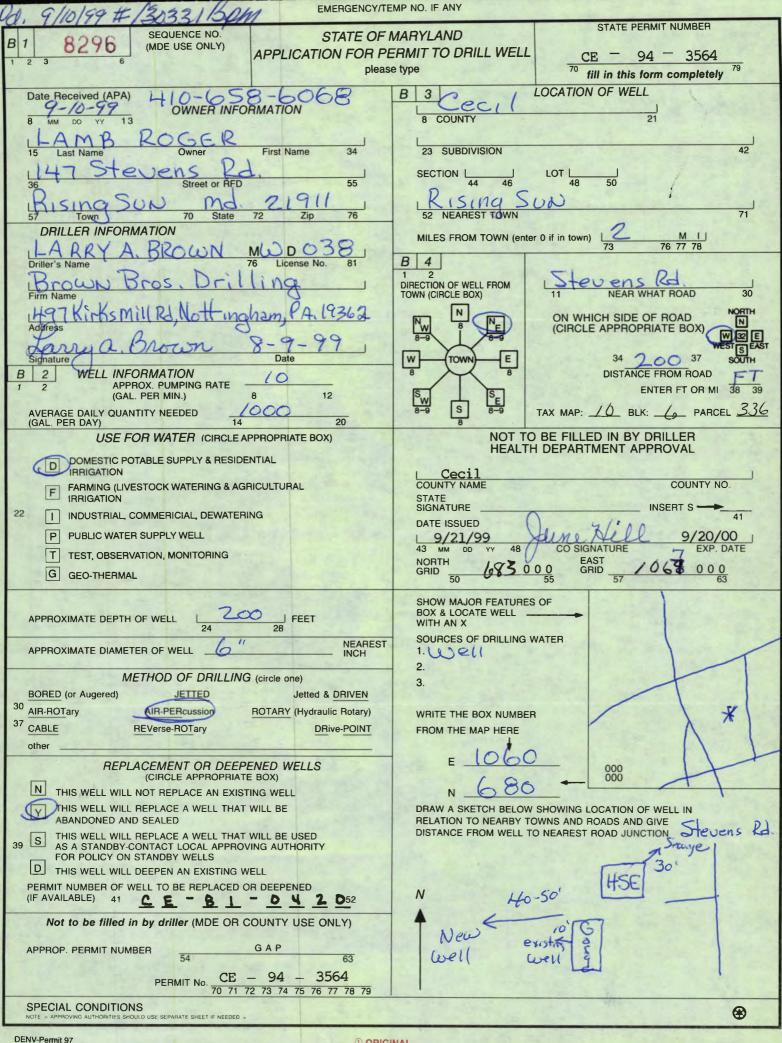


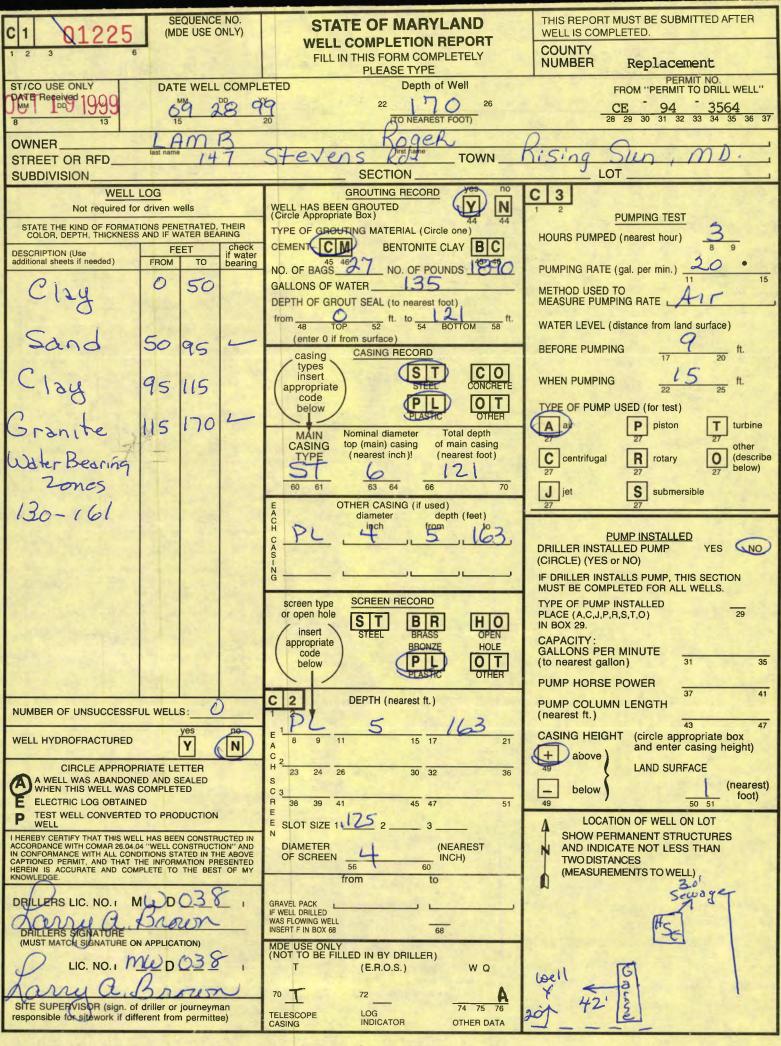
ORIGINAL-STATE

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180, 5/1/98 #12/018- M5K EMERGENCY/TEMP NO, IF ANY STATE PERMIT NUMBER SEQUENCE NO. STATE OF MARYLAND B (MDE USE ONLY) APPLICATION FOR PERMIT TO DRILL WELL CE-94-2467 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS) please print or type ⁷⁰ fill in this form completely LOCATION OF WELL В 3 Date Received (APA) 05-01-98 OWNER INFORMATION 21 8 COUNTY F3651 MS 2172 OVB SUBDIVISION 42 34 First Name 23 LOT SECTION L 55 IMD. RISING SUN NEAREST TOWN 71 52 Town DRILLER INFORMATION MILES FROM TOWN (enter 0 if in town) 76 77 78 K. MUNYAN MWD 510 81 B 4 License No. PILACE RD. NEAR WHAT ROAD WALTON CORPORATION DIRECTION OF WELL FROM TOWN (CIRCLE BOX) 30 Firm Name P.O. Box NORTH 25.19715 109 ON WHICH SIDE OF ROAD W Addre (CIRCLE APPROPRIATE BOX) W 32 E 10 S Date W 37 gnature TOW SOUTH 60 2 WELL INFORMATION DISTANCE FROM ROAD APPROX. PUMPING RATE 1 ENTER FT OR MI 39 (GAL, PER MIN.) Sw 12 S TAX MAP: 10 BLK: 12 PARCEL 741 AVERAGE DAILY QUANTITY NEEDED 20 (GAL. PER DAY) NOT TO BE FILLED IN BY DRILLER USE FOR WATER (CIRCLE APPROPRIATE BOX) HEALTH DEPARTMENT APPROVAL 1D) HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) FARMING (LIVESTOCK WATERING & AGRICULTURAL Cecil F COUNTY NAME COUNTY NO. IBBIGATION STATE SIGNATURE INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. INSERT S 22 1 OTHER (REQUIRES APPROPRIATION PERMIT) DATE ISSUED PUBLIC OR PRIVATE WATER COMPANY (REQUIRES 05-04-98 P APPROPRIATION PERMIT AND STATE APPROVAL CO SIGNATURE DD MM YY 48 NORTH 106 EAST 688 TEST, OBSERVATION, MONITORING (MAY REQUIRE 000 000 T GRID APPROPRIATION PERMIT) 50 57 SHOW MAJOR FEATURES OF 24 BOX & LOCATE WELL APPROXIMATE DEPTH OF WELL J FEET WITH AN X SOURCES OF DRILLING WATER NEAREST 1. DRILLED WELL APPROXIMATE DIAMETER OF WELL INCH 2. METHOD OF DRILLING (circle one) 3. BORED (or Augered) JETTED **Jetted & DRIVEN** 30 AIR-ROTary AIR-PERcussion **ROTARY** (Hydraulic Rotary) WRITE THE BOX NUMBER 37 CABLE **REVerse-ROTary DRive-POINT** FROM THE MAP HERE other 1060 REPLACEMENT OR DEEPENED WELLS 000 X (CIRCLE APPROPRIATE BOX) 680 N THIS WELL WILL NOT REPLACE AN EXISTING WELL N THIS WELL WILL REPLACE A WELL THAT WILL BE DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN Y ABANDONED AND SEALED RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION THIS WELL WILL REPLACE A WELL THAT WILL BE USED 39 S AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY BLDG PURMIT F-3651 FOR POLICY ON STANDBY WELLS D THIS WELL WILL DEEPEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPENED (IF AVAILABLE) 41 52 Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROP. PERMIT NUMBER GAF 54 WRITE INITIALS FORCE IN BOX PERMIT No. CE 68 SPECIAL CONDITIONS • ULD USE SEPARATE SHEET IF NEEDED

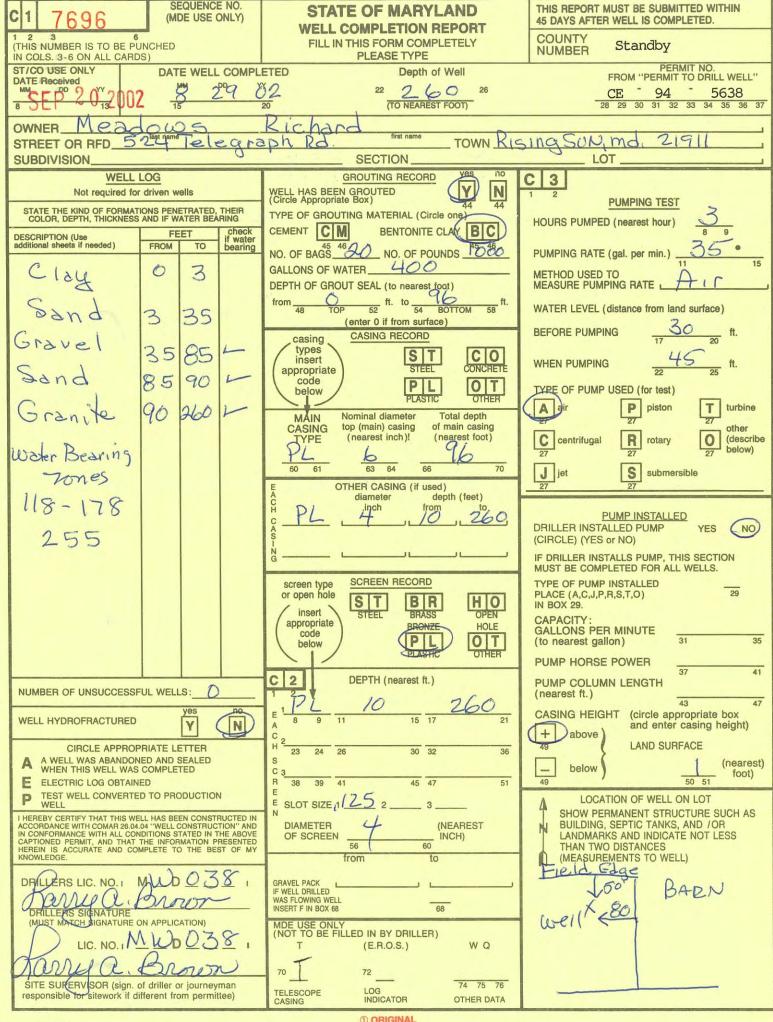
C 1 5688 SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND WELL COMPLETION REPORT	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
1 2 3 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)	FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE	COUNTY NUMBER F3651
ST/CO USE ONLY DATE WELL COMPL	ETED Depth of Well	PERMIT NO.
DATE Received		FROM "PERMIT TO DRILL WELL"
MAY POL 1998 05 05 9	20 (TO NEAREST FOOT)	CE 94 2467 28 29 30 31 32 33 34 35 36 37
8 13 15		
OWNER Grove	DAVID	
STREET OR RFD 745 7	TERCE KD TOWN T	Ising SON
SUBDIVISION MS 2172	SECTION	
WELL LOG	GROUTING RECORD	C 3
Not required for driven wells	WELL HAS BEEN GROUTED (Circle Appropriate Box)	1 2 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)
DESCRIPTION (Use FEET check if water	CEMENT (CM) BENTONITE CLAY BC	8 9
additional sheets if needed) FROM TO bearing	NO. OF BACS 45 46 20 NO. OF POUNDS 1865	PUMPING RATE (gal. per min.) 50 •
Brn Sict	GALLONS OF WATER 100	11 15
	DEPTH OF GROUT SEAL (to nearest foot)	METHOD USED TO T WTCH MEASURE PUMPING RATE CONTAINER
W/GrAvel 0 15	fromft. toft.	
	48 TOP 52 54 BOTTOM 58 (enter 0 if from surface)	WATER LEVEL (distance from land surface)
Bro	casing CASING RECORD	BEFORE PUMPING 40 ft.
Weathered	types insert ST CO	150
	(appropriate) STEEL CONCRETE	WHEN PUMPING
Rock 15 30	below PL OT	TYPE OF PUMP USED (for test)
	PLASTIC OTHER	A air P piston T turbine
Gr	MAIN Nominal diameter Total depth CASING top (main) casing of main casing	27 27
Weathered	TYPE (nearest inch)! (nearest foot)	C centrifugal R rotary O describe
	ST 6 79	27 27 27 below)
Rock 30 65	60 61 63 64 66 70	J jet S submersible
Collins Collins	E OTHER CASING (if used) diameter depth (feet)	27 27
(M) HARD Gr	A diameter depth (feet) H inch from to	
Rock 65 85		DRILLER WILL INSTALL PUMP YES NO
NUCK 00 00	S	(CIRCLE) (YES or NO)
(m) HARDGr		IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.
	screen type SCREEN RECORD	TYPE OF PUMP INSTALLED
Rock w/Very Finactured	or open hole ST BR HO	PLACE (A,C,J,P,R,S,T,O) 29 IN BOX 29.
Hractoreo	insert STEEL BRASS OPEN	CAPACITY:
weathered	code	GALLONS PER MINUTE (to nearest gallon) 31 35
Peg LAyers 85 160 Y	below PLASTIC OTHER	(10 1101 92101)
		PUMP HORSE POWER 37 41
NUMBER OF UNSUCCESSFUL WELLS:	C 2 DEPTH (nearest ft.)	PUMP COLUMN LENGTH (nearest ft.)
WELL HYDROFRACTURED	$E^{1} + \frac{1}{8} + \frac{1}{9} + \frac{1}{11} + \frac{1}{15} + \frac{1}{17} + \frac{1}{21}$	43 47 CASING HEIGHT (circle appropriate box
WELL HYDROFRACTURED	A C	(+) above) and enter casing height)
CIRCLE APPROPRIATE LETTER	H 23 24 26 30 32 36	LAND SURFACE
A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED	S C 3	- below 1 (nearest)
	R 38 39 41 45 47 51	49 50 51 foot)
P TEST WELL CONVERTED TO PRODUCTION WELL	E SLOT SIZE 1 2 3	LOCATION OF WELL ON LOT
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND	N DIAMETER (NEAREST	SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND /OR
IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED	OF SCREEN INCH)	LANDMARKS AND INDICATE NOT LESS
HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.	from to	THAN TWO DISTANCES (MEASUREMENTS TO WELL)
DRILLERS LE NO, MWD510,	CRAVEL RACK	N ISI
filet m	GRAVEL PACK	GR
ORILLERS SIGNATURE	INSERT F IN BOX 68 68	
(MUST MATCH SIGNATURE ON APPLICATION)	MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)	(Justs) [9]
LIC. NO.1 M _ D 1		3 20 4
		S S
SITE SUPERVISOR (sign. of driller or journeyman	74 75 76	Ø K - 560>
responsible for sitework if different from permittee)	TELESCOPE LOG INDICATOR OTHER DATA	
	ORIGINAL-STATE	





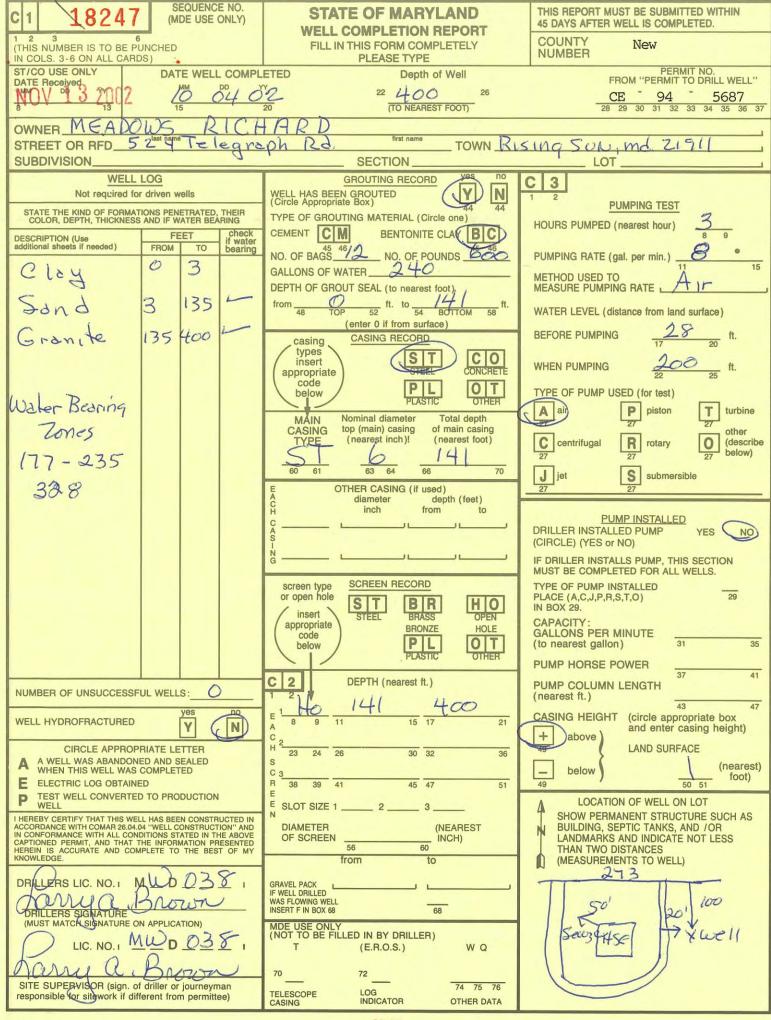
				156100	107/2
	MARYLAND DEPARTMENT OF THE ENVIRONMENT, W 2500 BROENING HIGHWAY, BALTIMORE, MA	ATER MANAG	EMENT ADMINISTRA7 4, (410) 631-3784		00
******	**************************************	ALING REPORT	FORM		red a
******	****	******	*****	*****	Molls
	COPIES OF COMPLETED FORM TO: DUNTY ENVIRONMENT AGENCY (contact MDE, WMA if address i	needed)	(ar	Progra	m
* W * M	ELL OWNER DE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRA	M	Charles and	324.262	20010
	ELL ABANDONED: 10-27-99 (month/day/yea				
DATE WI	ELL ABANDONED: 70 20 1 (monul/day/ye	ai)			
* PI	ERMIT NUMBER OF ABANDONED WELL (if any)	_(CE -81 -	042	_0
	ERMIT NUMBER OF REPLACEMENT WELL	Sal -	CE 94 -	3564	-
* PI	ERSON ABANDONING WELL: Brown Bros,	WELL DRIL	LERS LICENSE NUMB		MSD/MGD
* 0'	WNER'S NAME: Roger Lamb		SITE LOCATION MAI	C	MSD/MOD
* W	ELL LOCATION:	01.1	SHE LOCATION MA		
	DUNTY: Ceci	Kt.			
	EAREST TOWN: KISING SON X MAP BLOCK PARCEL	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		Rd.	
	BDIVISION: LOT:		150 21	Rd.	13 19
	CTION: LOT: LOT:	10'10	Л	100	
	The second s	well			
		und and	1	100	1
		-	Contraction of the last		
* T	PE OF WELL BEING ABANDONED:			1000	2012
1	DRILLEDJETTED		LOG OF SEAL	ING MATERI	AL
- 12	BORED/AUGEREDHAND DUG		MATERIAL	FE	ET
32	OTHER (specify)		-24 M 11/2	FROM	то
* US	SE CODE:		Sand &	0	154
	DOMESTICMUNICIPAL/PUBLIC		GF.		131
- 10 -	IRRIGATION INDUSTRIAL		Bentonite		
18-	TEST/OBSERVATION GEOTHERMAL		Clay	and the	Saller La
* TY	PE OF CASING:		Laueral	1.12.14	- APA
	STEEL PLASTIC			Ser Street	
-	CONCRETE OTHER (specify)			1.0	
		2. 14			
* SI2	ZE OF CASING: INCHES IN DIAMETER		VOLUME OF M		SED
* DE	PTH OF WELL: 154 FEET DEEP		I ton San	Р	
	AS ANY CASING REMOVED? YES NO		27 bags be	entre la	Clau
* W	AS ANY CASING REMOVED? YES NO NO if yes, length removed, in feet:		a rucits he	nionire	Cieq
w					
* pw	AS CASING RIPPED OR PERFORATED? YES NO		\frown		
SIGNATU	RE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN	038 LICENSE #	MWD/MSD/MGI CIRCLE ONE) 10-	29-99
DENV 828		LICENSE #	CIRCLE ONE		

SAB 8000 EMERGENCY/TEMP NO. IF ANY # 151636 STATE PERMIT NUMBER SEQUENCE NO. STATE OF MARYLAND (MDE USE ONLY) APPLICATION FOR PERMIT TO DRILL WELL CE 94 5638 please type fill in this form completely 410-658-4345 Date Received (APA) B LOCATION OF WELL OWNER INFORMATION 21-02 Standby COUNTY 23 SUBDIVISION 42 Last Name SECTION L 9 Street or RFD 55 46 50 IS ING 71 State Town DRILLER INFORMATION M MILES FROM TOWN (enter 0 if in town) D038 76 77 78 JUN MW B 4 43 273 NEAR WHAT ROAD DIRECTION OF WELL FROM TOWN (CIRCLE BOX) 30 Ν ORTH lottingh ON WHICH SIDE OF ROAD NW N (CIRCLE APPROPRIATE BOX) W 22 E EST S EAST 02 arre W 200 37 Signature (Date 34 / TOWN E SOUTH 8 DISTANCE FROM ROAD 0 2 WELL INFORMATION B 8 39 APPROX. PUMPING RATE ENTER FT OR MI 38 (GAL. PER MIN.) 12 Sw 000 PARCEL 13 S TAX MAP: BLK: 10 AVERAGE DAILY QUANTITY NEEDED 20 (GAL. PER DAY) NOT TO BE FILLED IN BY DRILLER USE FOR WATER (CIRCLE APPROPRIATE BOX) HEALTH DEPARTMENT APPROVAL DOMESTIC POTABLE SUPPLY & RESIDENTIAL Cecil COUNTY NAME COUNTY NO. FARMING (LIVESTOCK WATERING & AGRICULTURAL F IRRIGATION STATE SIGNATURE INSERT S -22 INDUSTRIAL, COMMERICIAL, DEWATERING 1 DATE ISSUED 8/27/02 PUBLIC WATER SUPPLY WELL 8/26/03 P FXP. 43 MM DD TEST, OBSERVATION, MONITORING T EAST NORTH 069 000 GRID 000 G GEO-THERMAL 50 SHOW MAJOR FEATURES OF 250 BOX & LOCATE WELL J FEET APPROXIMATE DEPTH OF WELL WITH AN X SOURCES OF DRILLING WATER NEAREST APPROXIMATE DIAMETER OF WELL 1. Well INCH 2. METHOD OF DRILLING (circle one) 3. BORED (or Augered) JETTED Jetted & DRIVEN 30 AIR-ROTary AIR-PERcussion ROTARY (Hydraulic Rotary) WRITE THE BOX NUMBER 37 CABLE **REVerse-ROTary** DRive-POINT FROM THE MAP HERE other REPLACEMENT OR DEEPENED WELLS 000 (CIRCLE APPROPRIATE BOX) 000 N THIS WELL WILL NOT REPLACE AN EXISTING WELL N DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN THIS WELL WILL REPLACE A WELL THAT WILL BE Y RELATION TO NEARBY TOWNS AND ROADS AND GIVE ABANDONED AND SEALED DISTANCE FROM WELL TO NEAREST ROAD JUNCTION THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY Chuck, please 36 S FOR POLICY ON STANDBY WELLS Check for D THIS WELL WILL DEEPEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPENED ell locat (IF AVAILABLE) 41 52 Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROP. PERMIT NUMBER Farm <u>CE - 94 - 5638</u> 70 71 72 73 74 75 76 77 78 79 94 PERMIT No. SPECIAL CONDITIONS USE SEPARATE SHEET IF NEEDED

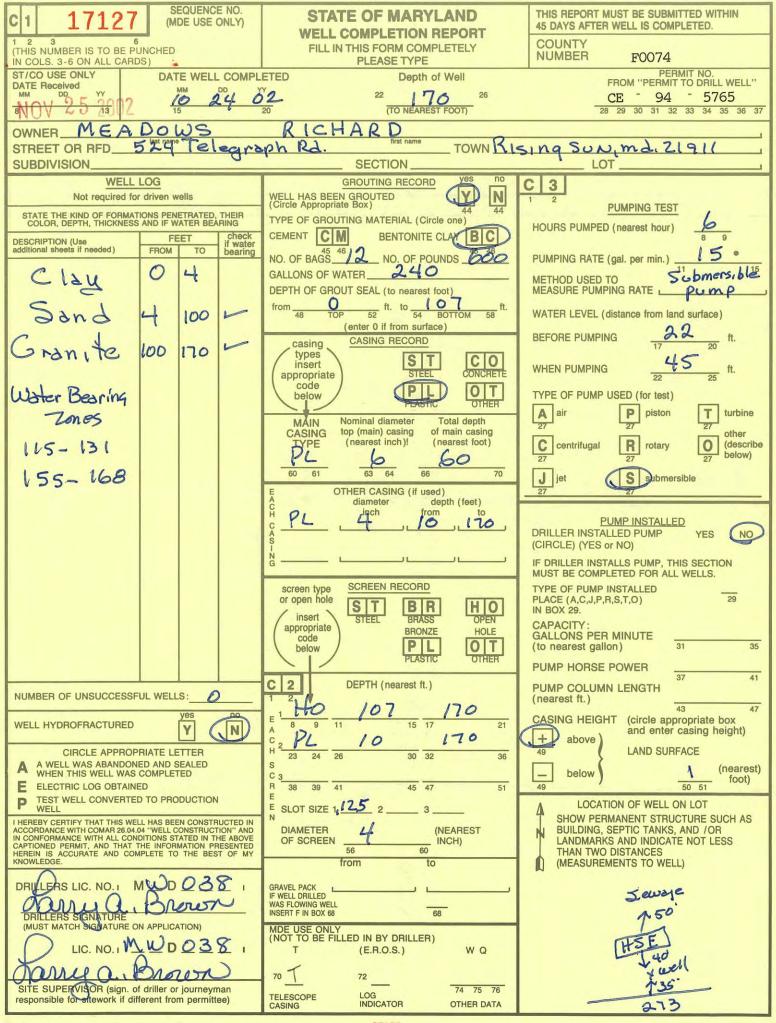


DENV-CR00

\$ 8000 EMERGENCY/TEMP NO. IF ANY TE 15168 STATE PERMIT NUMBER SEQUENCE NO. STATE OF MARYLAND В 1 (MDE USE ONLY) APPLICATION FOR PERMIT TO DRILL WELL CE - 94 -5687 please type 70 fill in this form completely 79 LOCATION OF WELL B Date Received (APA) 410-658-43 OWNER INFORMATION 3 3-02 New COUNTY 13 YY MM DD ADOWS ICHARD First Name 34 23 SUBDIVISION 42 Owner Last Name SECTION L 55 11 50 Street or RFD 46 Md SING 71 70 State 76 NEAREST TOWN 57 Town 🐒 DRILLER INFORMATION MILES FROM TOWN (enter 0 if in town) 76 77 78 UN MU D030 B 4 Driller's Name License No. 1 2 DIRECTION OF WELL FROM TOWN (CIRCLE BOX) NEAR WHAT ROAD 30 NORTH N ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) N E 8-9 NW N Address W 32 E don S 00 37 Date W E 34 TOWN Signature DISTANCE FROM ROAD В 2 WELL INFORMATION APPROX. PUMPING RATE 1 2 ENTER FT OR MI 38 39 (GAL. PER MIN.) 12 Sw SE 0 PARCEL 01 S DOC AVERAGE DAILY QUANTITY NEEDED TAX MAP: BLK: 20 14 (GAL. PER DAY) NOT TO BE FILLED IN BY DRILLER USE FOR WATER (CIRCLE APPROPRIATE BOX) HEALTH DEPARTMENT APPROVAL DOMESTIC POTABLE SUPPLY & RESIDENTIAL D Cecil IRRIGATION COUNTY NO. COUNTY NAME FARMING (LIVESTOCK WATERING & AGRICULTURAL F STATE SIGNATURE RRIGATION INSERT S -22 41 INDUSTRIAL, COMMERICIAL, DEWATERING 1 DATE ISSUED -9/8/03 EXP. DATE 9/9/02 PUBLIC WATER SUPPLY WELL P CO SIGNATURE 48 43 MM DD T TEST, OBSERVATION, MONITORING EAST NORTH 1068 000 000 GRID G GEO-THERMAL 57 50 SHOW MAJOR FEATURES OF BOX & LOCATE WELL ' APPROXIMATE DEPTH OF WELL _ FEET WITH AN X 28 SOURCES OF DRILLING WATER NEAREST 11 6 APPROXIMATE DIAMETER OF WELL 1. Well INCH 2. METHOD OF DRILLING (circle one) 3. JETTED Jetted & DRIVEN BORED (or Augered) 30 AIR-ROTary ROTARY (Hydraulic Rotary) AIR-PERcussion WRITE THE BOX NUMBER 37 **REVerse-ROTary** DRive-POINT FROM THE MAP HERE CABLE other F REPLACEMENT OR DEEPENED WELLS 000 (CIRCLE APPROPRIATE BOX) 000 * N N THIS WELL WILL NOT REPLACE AN EXISTING WELL DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN THIS WELL WILL REPLACE A WELL THAT WILL BE Y RELATION TO NEARBY TOWNS AND ROADS AND GIVE ABANDONED AND SEALED DISTANCE FROM WELL TO NEAREST ROAD JUNCTION THIS WELL WILL REPLACE A WELL THAT WILL BE USED 39 S Stevens AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS D THIS WELL WILL DEEPEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPENED N Farm (IF AVAILABLE) 41 Not to be filled in by driller (MDE OR COUNTY USE ONLY) for location APPROP, PERMIT NUMBER <u>CE - 94 - 5687</u> 70 71 72 73 74 75 76 77 78 PERMIT No. SPECIAL CONDITIONS LD USE SEPARATE SHEET IF NEEDED -



EMERGENCY/TEMP NO. IF ANY ad. \$80.00 CES 151726 STATE PERMIT NUMBER SEQUENCE NO. STATE OF MARYLAND (MDE USE ONLY) APPLICATION FOR PERMIT TO DRILL WELL CE - 94 - 5765 please type ⁷⁰ fill in this form completely LOCATION OF WELL 410-658-4345 B Date Received (APA) 3 09-27-02 OWNER INFORMATION F0074 8 MAM DD C nard 69 0(1)5 irst Name 34 23 SUBDIVISION 42 Last Name SECTION 44 Street or RFD LOT 46 55 48 50 md ng 70 State NEAREST TOWN 71 76 DRILLER INFORMATION MI MILES FROM TOWN (enter 0 if in town) 76 77 78 ARRY OWNMWDD B 4 Driller's Name License No 273 NEAR WHAT ROAD M ng Drown DIRECTION OF WELL FROM TOWN (CIRCLE BOX) 30 N ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) lingendm NW NE Address W 32 E ST S EAST WEST 021 an 50 Date W 34 gnature TOWN E 37 DISTANCE FROM ROAD WELL INFORMATION В 2 C-ENTER FT OR MI 38 APPROX. PUMPING RATE 39 S 8-9 (GAL. PER MIN.) 12 Sw BLK: 06 PARCEL OIL S TAX MAP. 10 AVERAGE DAILY QUANTITY NEEDED 14 20 (GAL. PER DAY) NOT TO BE FILLED IN BY DRILLER USE FOR WATER (CIRCLE APPROPRIATE BOX) HEALTH DEPARTMENT APPROVAL DOMESTIC POTABLE SUPPLY & RESIDENTIAL D Cecil IRRIGATION COUNTY NO. COUNTY NAME FARMING (LIVESTOCK WATERING & AGRICULTURAL F IRRIGATION STATE SIGNATURE INSERT S 22 INDUSTRIAL, COMMERICIAL, DEWATERING 1 DATE ISSUED 10/3/02 PUBLIC WATER SUPPLY WELL P 10/2/03 CO SIGNATURE 48 EXP. DATE 43 MM DD TEST, OBSERVATION, MONITORING T EAST GRID NORTH GRID 0 000 g 000 0 G GEO-THERMAL 50 SHOW MAJOR FEATURES OF 250' BOX & LOCATE WELL APPROXIMATE DEPTH OF WELL J FEET WITH AN X 28 SOURCES OF DRILLING WATER 6" NEAREST 1. Well APPROXIMATE DIAMETER OF WELL INCH 2. METHOD OF DRILLING (circle one) 3. BORED (or Augered) JETTED Jetted & DRIVEN 30 AIR-ROTary AIR-PERcussion ROTARY (Hydraulic Rotary) WRITE THE BOX NUMBER 37 CABLE **REVerse-ROTary** DRive-POINT FROM THE MAP HERE other REPLACEMENT OR DEEPENED WELLS 000 (CIRCLE APPROPRIATE BOX) n HIS WELL WILL NOT REPLACE AN EXISTING WELL N DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN THIS WELL WILL REPLACE A WELL THAT WILL BE Y. RELATION TO NEARBY TOWNS AND ROADS AND GIVE ABANDONED AND SEALED DISTANCE FROM WELL TO NEAREST ROAD JUNCTION THIS WELL WILL REPLACE A WELL THAT WILL BE USED S AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY Sewaye FOR POLICY ON STANDBY WELLS D THIS WELL WILL DEEPEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPENED (IF AVAILABLE) 41 CE - 94 - 121652 N Not to be filled in by driller (MDE OR COUNTY USE ONLY) G APPROP. PERMIT NUMBER De $\frac{\text{CE} - 94}{\frac{70}{71}} - \frac{5765}{\frac{72}{72}}$ PERMIT No. SPECIAL CONDITIONS USE SEPARATE SHEET IF NEEDED



DENV-CR00

STATE

EMERGENCY/TEMP NO. IF ANY STATE PERMIT NUMBER SEQUENCE NO. STATE OF MARYLAND B (MDE USE ONLY) APPLICATION FOR PERMIT TO DRILL WELL CE - 95 -1020 please type 70 79 fill in this form completely LOCATION OF WELL Date Received (APA) B 3 OWNER INFORMATION ec1 21 COUNTY PNC file Owner Inc ompan First Name 23 SUBDIVISION 42 et 10 Penn Center Street 46 50 Kis ing PA 70 52 NEAREST TOWN 71 DRILLER INFORMATION MILES FROM TOWN (enter 0 if in town) O 76 MWD 42 76 License No. ohen Sau B 4 355 Firm Name Brus DIRECTION OF WELL FROM TOWN (CIRCLE BOX) Jele WHAT BOAD 30 NORTH ik V Frederik MD 21704 N 5112 Percous ON WHICH SIDE OF ROAD NW NE N Address (CIRCLE APPROPRIATE BOX) W 32 E SEAST 6-20-05 Date W Е 34 37 Signature TOW SOUTH 5 B 2 WELL INFORMATION DISTANCE FROM ROAD E+ 8 39 0 APPROX. PUMPING RATE ENTER FT OR MI 38 (GAL. PER MIN.) 8 12 Sw Έ S TAX MAP: 10 BLK: 6 PARCEL 478 AVERAGE DAILY QUANTITY NEEDED 14 20 (GAL. PER DAY) 8 NOT TO BE FILLED IN BY DRILLER USE FOR WATER (CIRCLE APPROPRIATE BOX) HEALTH DEPARTMENT APPROVAL DOMESTIC POTABLE SUPPLY & RESIDENTIAL D Cecil IRRIGATION COUNTY NO. COUNTY NAME FARMING (LIVESTOCK WATERING & AGRICULTURAL F IRRIGATION STATE INSERT S 22 INDUSTRIAL, COMMERICIAL, DEWATERING 1 DATE ISSUED PUBLIC WATER SUPPLY WELL 6/29/05 D 6/28/06 SIGNATURE DATE MM DD TEST, OBSERVATION, MONITORING T EAST NORTH 1067 68 000 000 GRID GEO-THERMAL G 57 50 SHOW MAJOR FEATURES OF BOX & LOCATE WELL APPROXIMATE DEPTH OF WELL 20 J FEET WITH AN X 28 SOURCES OF DRILLING WATER NEAREST 2 APPROXIMATE DIAMETER OF WELL 1. INCH 2. Vone METHOD OF DRILLING (circle one) 3 JETTED Jetted & DRIVEN BORED (or Augered) 30 AIR-ROTary AIR-PERcussion ROTARY (Hydraulic Rotary) WRITE THE BOX NUMBER 37 CABLE **REVerse-ROTary DRive-POINT** FROM THE MAP HERE other REPLACEMENT OR DEEPENED WELLS 000 Teleproph RI (CIRCLE APPROPRIATE BOX) N THIS WELL WILL NOT REPLACE AN EXISTING WELL N DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN THIS WELL WILL REPLACE A WELL THAT WILL BE Y RELATION TO NEARBY TOWNS AND ROADS AND GIVE ABANDONED AND SEALED DISTANCE FROM WELL TO NEAREST ROAD JUNCTION THIS WELL WILL REPLACE A WELL THAT WILL BE USED S 39 AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS D THIS WELL WILL DEEPEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPENED (IF AVAILABLE) 41 52 Not to be filled in by driller (MDE OR COUNTY USE ONLY) US51 anopy APPROP. PERMIT NUMBER 95 73 74 - 1020 75 76 77 78 CE PERMIT No. Road Telegroph 72 78 79 SPECIAL CONDITIONS B USE SEPARATE SHEET IF NEEDED

and the second se					
c1 9907		EQUENC DE USE		STATE OF MARYLAND	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
1 2 3 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)				FILL IN THIS FORM COMPLETELY	COUNTY SUNOCO A Plus of R.S. NUMBER PNC file #/
ST/CO USE ONLY		E WELL	COMPL	PLEASE TYPE ETED Depth of Well	PERMIT NO.
MM111 DO 1 MAG		MM		YY - 22 0 26	FROM "PERMIT TO DRILL WELL"
8 13	1	5	6 0	20 (TO NEAREST FOOT)	CE 95 1020 28 29 30 31 32 33 34 35 36 37
OWNER SU	noce	0			
STREET OR RFD	last name	355	Te	legroph Roalist name TOWN_	Rising Sun
SUBDIVISION		-		SECTION	LOT
WELL Not required for		ells		GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box)	
STATE THE KIND OF FORMA COLOR, DEPTH, THICKNESS	TIONS PEN	ETRATED,	THEIR	TYPE OF GROUTING MATERIAL (Circle one)	PUMPING TEST NOT
DESCRIPTION (Use	FE	ET	check if water	CEMENT CM BENTONITE CLAY	HOURS PUMPED (nearest hour) $\frac{100}{89}$
additional sheets if needed)	FROM	то	bearing	NO. OF BAGS NO. OF POUNDS_4540	PUMPING RATE (gal. per min.)
Fill	0	3	1	GALLONS OF WATER 5	METHOD USED TO
Brown Sond				DEPTH OF GROUT SEAL (to nearest foot) from O_{48} TOP 52 ft. to 2_{54} BOTTOM 58 ft.	
and Silt	3	10		from <u>O</u> ft. to <u>2</u> ft. 48 TOP 52 ft. to <u>54 BOTTOM 58</u> ft. (enter 0 if from surface)	WATER LEVEL (distance from land surface)
				casing CASING RECORD	BEFORE PUMPING ft.
Brown clay				(appropriate) ST CO STEEL COCORCETE	WHEN PUMPING - ft.
and send	10	20		below PL OT	TYPE OF PUMP USED (for test)
				MAIN Nominal diameter Total depth	A air P piston T turbine
				CASING top (main) casing of main casing TYPE (nearest inch)! (nearest foot)	27 27 27 other
				PL 2 3	C 27centrifugalR 27rotaryO 27(describe below)
				60 61 63 64 66 70	J jet S submersible
	-			E OTHER CASING (if used) A diameter depth (feet)	27 27
				H inch from to C	PUMP INSTALLED
				A S	DRILLER INSTALLED PUMP YES (NO) (CIRCLE) (YES or NO)
					IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.
				screen type SCREEN RECORD	TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) 29
				insert STEEL BRASS OPEN	IN BOX 29.
				appropriate BRONZE HOLE	GALLONS PER MINUTE
				below PL OT OTHER	(to nearest gallon) 31 - 35
			-	C 2 DEPTH (nearest ft.)	PUMP HORSE POWER 37 41 PUMP COLUMN LENGTH
NUMBER OF UNSUCCESSF	UL WELL	S:	0	1 PI 2 20	(nearest ft.)
WELL HYDROFRACTURED		Yes	(N)	$E \frac{1}{8} \frac{1}{9} \frac{1}{11} \frac{15}{15} \frac{1}{17} \frac{1}{21}$	CASING HEIGHT (circle appropriate box and enter casing height)
CIRCLE APPROP				C _H 2 <u>23 24 26 30 32 36</u>	+ above LAND SURFACE
A WELL WAS ABANDON WHEN THIS WELL WAS				s c 3	below (nearest)
E ELECTRIC LOG OBTAIN		DUCTION		R 38 39 41 45 47 51	50 51
WELL	LL HAS BEE	N CONSTR	UCTED IN	E SLOT SIZE 1 _02 _02 3	LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURE SUCH AS
ACCORDANCE WITH COMAR 26.04. IN CONFORMANCE WITH ALL CON CAPTIONED PERMIT, AND THAT 1	DITIONS ST	ATED IN TH	IE ABOVE	DIAMETER (NEAREST OF SCREEN INCH)	BUILDING, SEPTIC TANKS, AND /OR LANDMARKS AND INDICATE NOT LESS,
HEREIN IS ACCURATE AND CON KNOWLEDGE.				56 60 from to	THAN TWO DISTANCES (MEASUREMENTS TO WELL)
DRILLERS LIC. NO. 1	yup	42	(1	GRAVEL PACK 3 20	Sunoco
STA	l			IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68 68	1 Station
MUST MATCH SIGNATURE	N APPLICA	TION)		MDE USE ONLY	59
LIC. NO.1	Two	36	Y.	(NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q	() Contra UST
Im Rich				70 72	x [canop7] 11 10
STE SUPERVISOR (sign. or responsible for sitework if dif				TELESCOPE LOG 74 75 76	1
	.sront from	pormitte	,	CASING INDICATOR OTHER DATA	1 Teleproph Row

Form 4 510 STATE OF MARYLAND DEPARTMENT OF GEOLOGY, MINES AND WATER RESOURCES CE-005101 The Johns Hopkins University BALTIMORE 18, MARYLAND terraite al mee 504 APPLICATION FOR PERMIT TO DRILL WELL An application must be submitted and permit received before drilling a well Owner William H. Cright Driller. Brown Street or R. F. D. A.2 Street or R. F. D. # 2_ Post Office <u>Hatting Land</u>, Par Post Office Kunin Date..... Dec. 19.49 Quantity of Water Needed (G. P. M.) Use for Water Minident D Location of Well County_____ Approximate Depth of Well (feet) 80 Nearest Town... Method of Drilling to be used ktulling Machine ising Distance from Town. Direction from Town. PERMIT TO DRILL WELL (Permit to be returned to Driller) Description of Location of Well NOT TO BE FILLED IN BY DRILLER (This information should be definite enough to permit locating well on a county map) Permit No..... 51 \cap Near what road_____ Monte not Samples of Cuttings Required by Department (No On which side of road... Right Side going but Distance from road. (North, East, South, West) Owner Requires Permit Yes to Appropriate Water {No Draw a sketch below showing location of well in relation to nearby towns, roads and streams with north in the direction of the arrow. Owner Has Permit to Appropriate Water (No The applicant is herewith granted a permit to drill this well subject to the conditions stipulated. Director NORTH Date..... 5.1949 Special conditions that may apply: 120549 (DUPLICATE)

STATE OF MARYLAND

DEPARTMENT OF GEOLOGY, MINES AND WATER RESOURCES

1220349

The Johns Hopkins University

BALTIMORE 18, MARYLAND

WELL COMPLETION REPORT

This report must be submitted within <u>30 days after completion</u> of the well

102 <u>ر ک</u> WELL DESCRIPTION Permit Number 5/0/ WELL LOG CASING AND SCREEN RECORD State the kind of formations penetrated, their depth, their thickness, and if water-bearing State the kind and size of casing, liner, shoe, screen, and other accessories (if no casing used, give diameter of well) Name of Owner William H. Crisler FEET DIAM. FRET PUMPING TEST Jop yground dist & store for 20 ft quisk Sond for 80 ft bal Rock from.....to (inches) caring 105 ft from to to to 5-575 Hours Pumped **Pumping Rate** Gallons per Minute 12 WATER LEVEL set Rock Stall difthe 108 ft Distance from land surface to water: Before Pumping / When Pumping Ho Ft. APPEARANCE OF WATER Elias Clear. Cloudy Taste..... 9000 north Odor____ Height of Casing Above Land St. under growed Surface 9 50 PUMP e T Type Capacity Gallons per Minute Gallons per Hour. See Pump Column Length Ft. REMARKS ma ******* St Log SEP :2 6 1952 Well Was Completed Date 19 20 1999 Well Driller Tetu H. Brown DHEGGGERS Signature

Form 5

Ó C Form 4 STATE OF MARYLAND Ćİ. DEPARTMENT OF GEOLOGY, MINES AND WATER RESOURCES-The Johns Hopkins University BALTIMORE 18, MARYLAND 8. CE-010583 de part APPLICATION FOR PERMIT TO DRILL WELL $_{\alpha} \theta$ An application must be submitted and permit received before drilling a well Doughe JONES .₩ Owner HAROLD C Driller. D Street or R. F Street or R. F. D. ROUTF # WINGO, M Post Office.... 1952 SUN V G Da Post Office Location of Well Quantity of Water Needed (G. P. M.) 1 DIMESTIC County. Use for Water..... UN 60-Approximate Depth of Well (feet). Nearest Town Method of Drilling to be used CABL Distance from Town Direction from Town PERMIT TO DRILL WELL Description of Location of Well (Permit to be returned to Driller) (This information should be definite enough to permit locating well on a county map) NOT TO BE FILLED IN BY DRILLER だかってき ON Near what road. 10583 Permit No. SOUTH On which side of road... (North, East, South, West) Samples of Cuttings Required by Department [No Distance from road. Draw a sketch below showing location of well in relation to nearby towns, roads and streams with north in the direction of the arrow. Owner Requires Permit (Ye to Appropriate Water ΊNο **Owner Has Permit** to Appropriate Water 1 The applicant is herewith granted a permit to drill this well subject to the conditions stipulated. NORTH figles Kingeredy Director Date. M91173 孓 nert Special conditions that may apply: 772152

(ORIGINAL)

Form 5		P	STATE OF MARYLAND EOLOGY, MINES ANI The Johns Hawkins University BALTIMORE 18, MARYLAN			
s'i n'a	This report r	nust be sub	LL COMPLETION R mitted within 30 days (EPORI after comple	etion of the	well <u>15 1975</u> Permit Number. 1 6 583
	WELL LOG WELL LOG of formations penetra thickness, and if wate	1 their	CRIPTION CASING AND SCH State the kind and size screen, and other accessor give diameter of well)	EEN RECOR of casing, lin ies (if no cas	D her, shoe, sing used,	Name of Owner Harach Pumping TEST
depth, their			Bine Stilles	DIAM. (inches)	FEET from <u>0 to 66</u>	
í Cara ta i	Ners I Clery	16 - 20				WATER LEVEL Distance from land surface to water: Before Pumping
ERGWN NG7 SUFT	GRADE CLE	200 6.				When Pumping. 70 Ft. APPEARANCE OF WATER Clear. X
						Cloudy Taste
	•					Height of Casing Above Land Surface
						Type Capacity
						Gallons per Hour 1200 Pump Column Length Ft REMARKS
9 						
						Well Was Completed Date Well Driller
						Well Driller

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· 68 . * Form 4 STATE OF MARYLANDL, DEPARTMENT OF GEOLOGY, MINES AND WATER RESOURCES-The Johns Hopkins University BALTIMORE 18, MARYLAND CE-010889 APPLICATION FOR PERMIT TO DRILL WELL An application must be submitted and permit received before drilling a well Owner ETHEL REEDY Driller... Street or R. F. D. ROUTE UG HEL Street or R. F.D. C/O 2 Post Office..... Post Office. 1 100 SUN MO iNG Date AUGUST 22 1952 Quantity of Water Needed (G.P.M.) Location of Well Use for Water Domes TIC County CECIA Approximate Depth of Well (feet) 90 Nearest Town Kising Method of Drilling to be used Distance from Town. 8 Mi PERMIT TO DRILL WELL Direction from Town... R AST (Permit to be returned to Driller) Description of Location of Well NOT TO BE FILLED IN BY DRILLER (This information should be definite enough to permit locating well on a county map) Permit No., Near what road U.S ROUTE Samples of Cuttings Required by Department [No On which side of road... YORTH Owner Requires Permit (Yes Distance from road. (North, East, South, West) to Appropriate Water AR 05. Draw a sketch below showing location of well in relation to nearby towns, roads and streams with north in the direction of the arrow. Owner Has Permit to Appropriate Water [N The applicant is herewith granted a permit to drill this well subject to the conditions stipulated. Date august 27,195 NORTH Special conditions that may apply: Rising WELL ag aSuri 082752 × 000 273 (ORIGINAL)

Form 5	DEDADTE	STATE OF MARYLAN	1	
	DEPARTMENT (GEOLOGY, MINES AN		2
"		The Johns Hopkins Univers	ity WALER RESOURCE	S
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9-3-	This report must 1.	WELL COMPLETION R submitted within and	EPORT	600
6	71	ays a	fter completion of 12	
inter a		ESCRIPTION	of the u	S5
WELL State the kind of forma	LOG	CASTRIC	D	
WELL State the kind of forma depth, their thickness,	and if water-bearing	CASING AND SCRE State the kind and size of screen, and other accessories give diameter of well)	EN RECORD	mit Number <u>1078</u>
		give diameter of well)	(if no casing used,	ne of Owner
Storad – se se se se	FEET	· 52.	DT I TO	THELE REAL
en en se	Irom to the	GLASE STEEL	DIAM FEET	PUMPING TEST
	13-2-3		6 from to to Hour	s Pumped
e Rail Cash g	80 - T.S		Pum	ing Rate
			Ga Ga	oing Rate llons per Minute. <u>58</u>
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			TITAL TYPE	
			Well Was Con	mpleted
			Date	
			Well Driller	
		2	he as a second second	-
				Signature

50936 STATE OF MARYLAND DEPARTMENT OF GEOLOGY, MINES AND WATER RESOURCES Form 4 The Johns Hopkins University CED 50936 BALTIMORE 18, MARYLAND APPLICATION FOR PERMIT TO DRILL WELL An application must be submitted and permit received before drilling a well Driller Maurise E. B. Fow Z Meadows Street or R. F. D. 2 Post Office <u>matring ham</u> Pa Owner Hattley Meabours Date 3/25/63 Street or R F. D. Post Office Rising San MR. Location of Well Quantity of Water Needed (G.P.M.)_____ County _____Cee:L Use for Water <u>FRP.M</u> Nearest Town Rising Son Approximate Depth of Well (feet) 100 Distance from Town 1/2 mile Method of Drilling to be used Phukn O Direction from Town <u>Fa.ST</u> Description of Location of Well (This information should be definite enough to permit PERMIT TO DRILL WELL locating well on a county map) (Permit to be returned to Driller) Near what road <u>Doute</u> #1 NOT TO BE FILLED IN BY DRILLER Permit No. 5093 Distance from road lopo Fee T Samples of Cuttings {Yes Required by Department {No Draw a sketch below showing location of well in relation to nearby towns, roads and streams with north in the direction of the arrow, and give distance Owner Requires Permit [¥es to Appropriate Water {No from well to nearest road junction or stream cross-ing shown on the sketch. CALVERT Owner Has Permit (Nes to Appropriate Water (Ne The applicant is herewith granted a permit to drill this well subject to the conditions stipulated. NORTH Date March 26, 1963 Special conditions that may apply: C32463 Copy mailed Cail Co. Health (spt. (DUPLICATE) 3/25/63

'Form 5

STATE OF MARYLAND

DEPARTMENT OF GEOLOGY, MINES AND WATER RESOURCES

The Johns Hopkins University BALTIMORE 18, MARYLAND

WELL COMPLETION REPORT

This report must be submitted within 30 days after completion of the well

60 6 WELL DESCRIPTION 6936 Permit Numbers WELL LOG CASING AND SCREEN RECORD State the kind and size of casing, liner, shoe, screen, and other accessories (if no casing used, give diameter of well) State the kind of formations penetrated, their depth, their thickness, and if water-bearing Name of Owner Harvey madours. FEET DIAM. PUMPING TEST FEET from to (inches) Sand Grand Shale & Flint from..... Hours Pumped to 0-18 Type of Pump Used 18-60 0-20 Pumping Rate Gallons per Minute 20 WATER LEVEL Distance from land surface to water: Before Pumping 23 Ft. When Pumping 29 Ft APPEARANCE OF WATER Clear Cloudy Taste Odor Height of Casing Above Land Surface PUMP INSTALLED Туре Capacity Gallons per Minute Gallons per Hour. REMARKS Well Was Completed Date Well Driller Mauric C Gray Signature

NV 343

Form 4

STATE OF MARYLAND

155630

DEPARTMENT OF GEOLOGY, MINES AND WATER RESOURCES

The Johns Hopkins University

BALTIMORE 18, MARYLAND

CE-053630 APPLICATION FOR PERMIT TO DRILL WELL An application must be submitted and permit received before drilling a well Driller CONSTANTINE DIFILIPE JA Owner CLYde Vandyke Street or R. F. D. Lewis ville, PA. 19351 Street or R F. D. Date 12-14-63 Post Office RisiNG SUN, MARYLAND Quantity of Water Needed (G.P.M.) 5-8 Location of Well Use for Water Jonestic + FARA D County Cecil Nearest Town RisiNC Sun Md. Approximate Depth of Well (feet) 70-80 F Distance from Town 1/2 Mile Method of Drilling to be used Bake ive North Direction from Town..... PERMIT TO DRILL WELL Description of Location of Well (Permit to be retarned to Drüler) (This information should be definite enough to permit locating well on a county map) NOT TO BE FILLED IN BY DRILLER Near what road By PASS RT 1 Permit No. Sou M-EAST (North, East, South, West) On which side of road... Samples of Cuttings Required by Department No Distance from road. Draw a sketch below showing location of well in re-**Owner Requires Permit** Yes to Appropriate Water No lation to nearby towns, roads and streams with north in the direction of the arrow, and give distance from well to nearest road junction or stream cross-**Owner Has Permit** 63 ing shown on the sketch. to Appropriate Water 1No The applicant is herewith granted a permit to drill this well subject to the conditions stipulated. Well Kennette M. Meesen Director Date Dec. 14, 1943 Special conditions that may apply: 121663 apy maled Carl Co. Health DeptioRIGINAL)

Form 5

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STATE OF MARYLAND

DEPARTMENT OF GEOLOGY, MINES AND WATER RESOURCES

The Johns Hopkins University BALTIMORE 18, MARYLAND

WELL COMPLETION REPORT

This report must be submitted within 30 days after completion of the well

021564

24 Permit Number 55630 6 WELL DESCRIPTION CASING AND SCREEN RECORD Name of Owner WELL LOG State the kind and size of casing, liner, shoe, screen, and other accessories (if no casing used, give diameter of well) State the kind of formations penetrated, their depth, their thickness, and if water-bearing CLYDE . Vandy Ke PUMPING TEST FEET DIAM. FEET Hours Pumped 2. (inches) .to. . Type of Pump Used Bailer Chay - GRAVEL gray granite 0 - 30 -34 ¥8 30- 78 **Pumping Rate** Gallons per Minute. WATER LEVEL Distance from land surface to water: When Pumping 20 Ft. APPEARANCE OF WATER Clear Cloudy Taste Odor Height of Casing Above Land PUMP INSTALLED Туре Capacity Gallons per Minute..... Gallons per Hour..... Pump Column LengthFt. REMARKS Well Was Completed Date 2 - 15- 6.4 Well Driller C Di FiLippo & Signature

ANNAPOLIS, MARYLAND 21401 WATER I	THENT OF	APPLICATION MUST BE SUBMIT- TED AND PERMIT RECEIVED BE- FORE DRILLING IS STARTED.
C.e.660034 APPLICATION FOR F Owner <u>Commissioners of Rising Sun</u> Street or R. F. D. <u>S. Queen Street</u> Post Office <u>Rising Sun, Md. 21911</u> Quantity of Water to be Produced <u>50</u> G.P.M. Total Quantity Needed For Use <u>72,000</u> G.P.D. Use for Water <u>Town Supply</u> Approximate Depth of Well (feet) <u>200 ft</u> . Method of Drilling to be used <u>Rotary</u>	Driller Maurice E. Street or R. F.D. Post OfficeM DateUly 2 Location of Well SubdivisionNone SectionNone CountyCecil Nearest TownRist Distance from Town	License BrownNumber62 D #2, Nottingham, Pa. 3, 1965 e aLotNone ing Sun In town East
Is this a <u>Replacement Well</u> ? <u>Yes</u> – <u>No</u> X If <u>YES</u> , indicate date abandoned well is to be sealed: and by whom: <u>PERMIT TO DRILL WELL</u> (Not To Be Filled In By Driller) <u>Well Permit No.</u> <u>E - 100 - 34</u> Samples of Cuttings Required by Department: Samples of Cuttings Required by Department: Owner Requires Permit to Appropriate Water: <u>No</u> Owner Has Permit to Appropriate Water: <u>Yes</u> No Appropriation Permit No. The applicant is herewith granted a permit to drill this well subject to the conditions stipulated.	(This information should well on a county map). Near what road <u>ROI</u> On which side of road Distance from road <u>Straw</u> Draw a skotch below show towns roads and streams	d be definite enough to permit locating Ite 273 North (North, East, South, West) SOO Ft. ing location of well in relation to nearby with north in the direction of the arrow, yell to nearest road junction or stream
Daul Witkee Obe - O 1-2b-b5 Director Date THIS PERMIT IS NOT TRANSFERRABLE WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT Special conditions that must be observed: Health Department Approval of Application		Well <u>Poute#273</u> Rising SUN

STATE OF MARYLAND **WR-W-4** THIS REPORT 2-65 MUST BE SUBMITTED DEPARTMENT OF State Office Building WITHIN 30 DAYS ANNAPOLIS, MARYLAND 21401 WATER RESOURCES AFTER COMPLETION OF THE WELL 180265 <u>Ce660039</u> COMPLETION REPORT WELL 80 Ŕ Permit Number 62 WELL DESCRIPTION Owner ministraio CASING AND SCREEN RECORD WELL LOG Address Prai State the kind and size and position of casing, State the kind of formations penetrated, their Subdivision liner, shae, screen, and other accessories (if color, their depth, their thickness, and if waterna casing used, give diameter of well). Section bearing DIAM. FEET FEET PUMPING TEST (inches) from___ Sand Granite from_____to Hours Pumped. - 62 Type of Pump Use **Pumping Rate** 6"10 0-68 Gallons per Minute_al WATER LEVEL Water hearing -Distance from land surface to water: Fr. Before Pumping When Pumping APPEARANCE OF WATER Cloudy Clear. Taste Odor 1.00 Height of Casing Above Land Surface PUMP INSTALLED \tilde{O} Туре Capacity Gallons per Minute____ Gallons per Hour Pump Column Length___ Ft. LOCATION OF WELL ON LOT Show permanent structures such as building(s), septic tank, and/or other landmarks and indicate not less than 2 distances (measurements) to well. -# NORTH wel Route Riving Sun Well Driller Date Well Signaturo Mausia Elmon e 2. 196 Was Complete

STATE OF WEREN APPLICATION MUST BE SUBMIT-DEPARTMENT OF Building TED AND PERMIT RECEIVED BE-ANNAPOLIS, MALYLAND 21401 WAT EXERESOURCES 8:45 FORE DRILLING IS STARTED. 14 1965 APPLICATION FOEPERMITMENPRILL WELL WATER RESOURE tan License Own Driller Mumber Street or R. F. D Post Office Street or R. F. D INM Post Office Date Location of Well Quantity of Water to be Produced. G.P.M. Subdivision Total Quantity Needed For Use_ G.P.D. Section: Omeatic Use for Water_1 County Nearest Town Approximate Depth of Well (feet) Distance from Town Method of Drilling to be used. Direction from Town Description of Location of Well Is this a Replacement Well? Yes Ne (This information should be definite enough to permit locating well on a county map). If YES, indicate date abandoned well is to be ... Near what road 1600 sealed: On which side of road and by whom:_ (North, East, South, West) PERMIT TO DRILL WELL Distance from road_ un (Not To Be Filled In By Driller) Draw a sketch below showing location of well in relation to nearby towns, roads and streams with north in the direction of the arrow, and give distance from well to nearest rood jungtion or stream Well Permit No. C.E-106 crossing shown on the sketch. alu Samples of Cuttings Required by Department: No Owner Requires Permit to Appropriate Water: NORTH Owner Has Permit to Appropriate Water: JXCS DXG Appropriation Permit No., The applicant is herewith granted a permit to drill this well subject to the conditions stipulated. a) not Director Date s No THIS PERMIT IS NOT TRANSFERRABLE WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT Special conditions that must be observed: Rising Sun PERMANENT 43.21 $\Pi(0)$ IMENT Health Department Approval of Application Cene County Department of Health or 🚞 State Department of Health and Approved by risino Title_ 4-65 Date

OPIGINAL

WR-W-4 2-65 STATE OF MARYLAND State Office Building ANNAPOLIS, MARYLAND 21401 DEPARTMENT OF THIS REPORT WATER RESOURCES MUST BE SUBMITTED WITHIN 30 DAYS RECEIVED WELL COMPLETION AFTER COMPLETION REPORT S 92565 OF THE WELL WELL 1655 SEPT 201 PM 1:55 WELL LOG 50 State the kind of formations penetrated, their Permit Numpe CASING AND SCREEN RECORD SDEPARITAENTE Ond position of casing, color, their depth, their thickness, and if water-Owner bearing WALFING used, give diameter of well). Address Ku Sand Gravel Granite Water Zone Subdivision FEET Section rom DIAM. FEET (Inches) PUMPING TEST from____to 0-426 Hours Pumped_ 111 ā 10 Type of Pump Used 1-4264 Pumping Rate Gollons per Minute_ WATER LEVEL Distance from land surface to Water: Before Pumping When Pumping 2 APPEARANCE OF WATER Clear_ ___ Cloudy . Taste Odor Sh. Height of Casing Above Land Surface PUMP INSTALLED Type_ Capacity Gallons per Minute ___ Gallons per Hour Pump Column Length____ _Ft. LOCATION OF WELL ON LOT Show permanent structures such as building(s), septic tonk, and/or other landmarks and indicate not less than 2 distances (measurements) to well. NORTH £3, Sun House Date Well Was Completed Sept 25-1965 Well Duller Signature Manue E Brown

GRITINAS

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WR-W-3 7-65 • State Office Building • ANNAPOLIS, MARYLAND 21401	STATE OF MA DEPARTMEN WATER RESOL	T OF : 53	APPLICATION MUST BE SUBMIT- TED AND PERMIT RECEIVED BE- FORE DRILLING IS STARTED.
Celegoolds Applica		T TO DRILL WELL	
gener Bryan W. & Grace E. Gibn	ey Dri	ller Vonley Ray	License 100 Number
Street or R. F. D. R. F. D. # 2 Box !	5 Stre	et or R. F. D. R. D.	# 2 Oxford Fa. 19363
Post Office Rising Sun Md. 21911		• <u>8-25-68</u>	
~~~	G.P.M, G.P.D. D	ation of Well division <u>Sixth D</u> action nty <u>Ceccil</u>	Lot
Approximate Depth of Well (feet) <u>100</u> Method of Drilling to be used <u>Cable Tool</u>	Machine 0	rest Town <u>Rising</u> istance from Town <u>Om</u> irection from Town <u>I</u>	e Half Mile Sast
Is this a <u>Replacement Well? Yes – No</u> l If <u>YES</u> , indicate date abandoned well is to b sealed:	be (well on a county map}.	f Well Between Road & House be definite enough to permit locating Ce Road
and by whom:	On 1	which side of road $_$	Sasit (North, East, South, West)
PERMIT TO DRILL WELL (Not To Be Filled In By Driller) Well Permit No. <u>(E - 69 - 10 - 1</u>	Draw town and	s, roads and streams wi give distance from wel	fty ft. I location of well in relation to nearby th north in the direction of the arrow, I to nearest road junction or stream
Samples of Cuttings Required by Department: Owner Requires Permit to Appropriate Water:	(AS No	sing shown on the sketch 	NORTH
Appropriation Permit No The applicant is herewith granted a permit to drill this subject to the conditions stipulated. Director Date THIS PERMIT IS NOT TRANSFERRAB	-20-181-02-	Plence	PEON Sold
WITHOUT WRITTEN PERMISSION FROM THE DEF Special conditions that must be observed:			R 274
Health Department Approval of Application <u>Cecil</u> County Department	of Health		
or State Department of Health Approved by <u>Supervising Sanitarian</u> Date <u>August 19, 1968</u>	-9-212-		•

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STATE OF MARYLAND WR-W-4 THIS REPORT œ C 2.65 MUST BE SUBMITTED DEPARTMENT OF State Office Building WITHIN 30 DAYS ANNAPOLIS, MARYLAND 21401 WATER RESOURCES AFTER COMPLETION 23 OF THE WELL COMPLETION REPORT e690065 WELL 091668 Permit Number CE-69-18 65 WELL DESCRIPTION 16 the Marthales Owner Bra **** Address 1 CASING AND SCREEN RECORD a Second Miel WELL LOG Subdivision 10 62. State the kind of formations penetented, their State the kind and size and position of casing, Alt we we we liner, shoe, screen, and other accessories (if color, their depth, their thickness, and if waterno casing used, give diameter of well). Section . Lot bearing 01 FEET DIAM. FEET PUMPING TEST Acl from to 28 (inches) from_ _ to . Hours Pumped 4127 0541 Type of Pump Used SCA 38241 cheke neck **Pumping Rate** 41671 Gallons per Minute 2.1 WATER LEVEL Distance from land surface to water: Before Pumping When Pumping 1.00 APPEARANCE OF WATER _ Cloudy Clear Toste 30 10 Odor Prover Se RECEDEL Height of Casing Above Land Surface R SEP 23 27 PUMP INSTALLED Type Capacity Gallons per Minute Gallons per Hour _ F1. Pump Column Length LOCATION OF WELL ON LOT Show permanent structures such as building(s), septic tank, and/or other landmarks and indicate not less than 2 distances (measurements) to well. NORTH Well Driller Date Wall Was Completed_ Signature 🗠

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STATE OF MARYLAND WR-W-3 APPLICATION MUST BE SUBMIT-4-66 DEPARTMENT OF State Office Building TED AND PERMIT RECEIVED BE-ANNAPOLIS, MARYLAND 21401 WATER RESOURCES FORE DRILLING IS STARTED. APPLICATION FOR PERMIT TO DRILL WELL License ろろ Mumber Number Driller///aulee Street or R. F. D. Post Office Streat or R. F. D Date (Post Office County Location of Well Gallons Per Quantity of Water to be Produced Minute Subdivision **Gallons** Per 00 **Total Quantity Needed For Use** Day Section Nearest Town Use for Water_ Distance from Tow Approximate Depth of Well (feet) Direction from Town Description of Location of Well (This information MUST BE ACCURATE, and should be definite Method of Drilling to be used. enough to permit locating well on a county map). Is this a Replacement Well? Yes Jun Near what road _ If YES, indicate date abandoned well is to be 20-196 On which side of road sealed: UM (North, East, South, West) and by whom: But our Distance from road PERMIT TO DRILL WELL Draw a sketch below showing location of well in relation to nearby towns, roads and streams with NORTH in the direction of the arrow, and give distance (Not To Be Filled In By Driller) from well to nearest road junction or stream crossing shown on the sketch. Distances may be approximate, but must be indicated. Well Permit No. <u>CE690077</u> NORTH Samples of Cuttings Required by Department, 14es/1No Owner Requires Permit to Appropriate Water: [Yes] No s Na Owner Has Permit to Appropriate Water: Appropriation Permit No._ The applicant is herewith granted a permit to drill this well subject to the conditions stipulated Bail W. M. Director Date THIS PERMIT IS NOT TRANSFERRABLE WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT Special conditions that must be observed: County Permit No. Health Department Approval of Application Cecil County Department of Health or [] State Department of Health Approved by Supervising Sanitarian Title_ August 30, 1968 Date .

WR-W-4 STATE OF MARYLAND THIS REPORT 4-66 MUST BE SUBMITTED DEPARTMENT OF State Office Building WITHIN 30 DAYS ANNAPOLIS, MARYLAND 21401 WATER RESOURCES AFTER COMPLETION OF THE WELL e6900 RECORVED COMPLETION 100468 WELL Permit Number CE-690077 5 WELL DESGRIPT 10: 57 Owner galin Wigton Mar CASING AND SCREEN RECORD WELL LOG State the kind and size and position of casing, State the kind of formations penetrated, their linen share series (if no cressories (if no cres Subdivision color, their depth, their thickness, and if waterbearing no casure Section WATER HESOLAGAS FEET FEET PUMPING TEST quay Sandfelay mixed With granit boulders Branite Water liearing (inches) from ____ to Hours Pumped_<u>3/4</u> k from_ ____ta 6/410 Type of Pump Used Rela 1-56 Pumping Rate Gallons per Minute_15 WATER LEVEL Distance from land surface to (setow Before Pumping Et. When Pumping 14 Ft.S di. APPEARANCE OF WATER Clear____Cloudy ___ Taste _ 9 Odor ____ Height of Casing Above Land Surface PUMP INSTALLED Type **Copacity** Gallons per Minute ____ Gallons per Hour_ Pump Column Length LOCATION OF WELL ON LOT Show permanent structures such as building(s), septic tank, and/or other landmarks and indicate not less US than 2 distances (measurements) to well. 0 ć NORTH Sig-s 2. a well Hause I hereby affirm that this report contains no willful misrep-DATE resentations or falsifications and that information given in WELL WAS this report is true, accurate and complete to the best of my COMPLETED knowledge and belief. F BADTLAS, Well Driller nausia 10/4/68 Well Driller License No.:

STATE OF MARYLAND DEPARTMENT OF WATER RESOURCES STATE OFFICE BUILDING ANNAPOLIS, MARYLAND 21401

PERMIT TO DRILL WELL

ISSUE DATE- 08/12/70 MO DA YR なキホホホホホホホホホホホホホホホホホホホホホ ホ PERMIT NUMBER- CE-71-0031 * ホホホホホホホホホホホホホホホホホホホホホホホホ

ISSUED TO DRILLER-

MAURICE BROWN

DRILLER ID. NUMBER- 39

109-33

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NOTTINGHAM PA 19362

THE ABOVE NAMED DRILLER IS HEREBY AUTHORIZED TO DRILL A WELL TO BE OWNED BY-

GILES, RAY

RISING SUN MD

THIS WELL IS TO BE LOCATED IN CECIL COUNTY, NEAR THE TOWN OF RISING SUM

THE WATER IS TO BE USED FOR A DOMESTIC SUPPLY.

THIS WELL WILL NOT REPLACE ANOTHER WELL.

S

****SPECIAL CONDITIONS****

THIS PERMIT IS SUBJECT TO THE FOLLOWING SPECIAL CONDITIONS-

1. LOCATE WELL AT LEAST 50 FT. FROM ANY SEWAGE DISPOSAL SYSTEM.

THIS PERMIT IS VALID UNTIL 02/12/71. A WELL COMPLETION REPORT MUST BE SUBMITTED TO THE DEPARTMENT WITHIN 30 DAYS AFTER COMPLETION OF THE WELL

> PAUL W. MCKEE DIRECTOR, MARYLAND DEPARTMENT OF WATER RESOURCES

WR+H+3 3=## of cubect no. STATE OF MARYLAND DEFARTMENT OF WATER RESOURCES 8 1 5434 APPLICATION MUNT BE AUBMITTED AND PERMIT AUCLIVED DEFORE STATE OFFICE BLDG., ANNAPOLIS, MARYLAND 21401 1. 2 3 3 1929. NO.J 6 WHIG NUMBER 10 10 DE DENGRED IN COLD. 5-6 DH ALL CARDOL IDEQ. NO.J DRILLING IS STATITED. 60 APPLICATION FOR RERMIT TO DRILL WELL FILL IN THIS FORM COMPLETELY DATE RECEIVED 245 owner COL 15 LACTHANE COL 84 FIRST HALIS 081270 OR RED L CE 800 -11 -COL DI COL DO SON PODT M 01 57 134, 111 82 B 4 DRILLER INFORMATION LOCATION OF WELL OLQ. HO.I 2 9 (SEQ. NO.) COUNTY NUMBER 14 AURIC NAME BY 3Rewn IDD NOT 4Dunte 505 SUBDIVISION 2 65 STREET OR HED NOITODE LOT Til G 107 HAM 34 POST OFFICE 4 BB 00 TIP CODE NEAREST TOWNL 20 DATE OF APPLICATION MF MILES FROM TOWN (ENTER O IF IN TOWN) B 3 WELL INFORMATION DIRECTION FROM TOWN 1 2 8 THEY HOLT O MALLENS PER MINUTES B 5 5 USEQ. NO. AVERAGE DAILY QUANTITY NEEDED (CALLONS PERDAY) 400 IN JOATH E EARY N E NORTHEADY & E BOUTHEADT USE FOR WATER (CINCLE APPROPRIATE BOR) S COUTH W N W HOATHWEAT B W BOUTHWEAT WEDT D DOMESTIC. HOME ISINGLE OR DOUGLE HOUSEHOLD UNIT ONLY! NSAB SHAT RD F FARMING ACHICULTURE, INRIGATION 1 1 ai WEAT ORTH ON WHICH SIDE OF ROAD CIRCLE APPROPRIATE BOXT Â. Ň 0 E I INDUOTRIAL, COMMERCIAL, STATE AND FEDERAL GOVERNMENT. [r] ti 22 DISTANCE FROM ROAD (ENTER DISTANCE AND CIRCLE APPROPRIATE BOX) м MUNICIPAL WATER BUPPLY Ċ MI MUST HAVE STATE HEALTH DEPT. APPROVAL 38 30 DRAW A DRETCH DELOW DROWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS, ROADS AND STREAMS WITH NORTH IN THE DIRECTION OF THE ANDW, AND UVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION ON STREAM CROSSING SHOWN ON THE DESTCH. DISTANCE MAY DE APPROXIMATE, BUT MURT EE INDIGATED. P PRIVATE WATER COMPANY TT TEOT N 70 APPROXIMATE DEPTH OF WELL IFEET METHOD OF DRILLING USED (CINCLE APPROPRIATE METHOD) BORED (OR AUGERED) JETTED DRIVEN 30-37 AIR-ROTARY AIR-PERCUSSION TOTARY HYDRAULIC ROTARY! CABLE REVERSE ROTARY SMITH. たいれつ 126 OTHER (DESCRIBE) REPLACEMENT OR DEEPENED WELLS (CINCLE APPROPRIATE DOX) (N) THIS WELL WILL NOT REPLACE AN EXISTING WELL Y THIS WELL WILL REPLACE A WELL THAT WILL DE ADARDONED AND BEALED 114 12:5:11 40 S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY D THIS WELL WILL DREPEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPENED (IF AVAILABLE) NOT TO BE FILLED IN BY DRILLER (DWR USE ONLY) APPROPRIATION PERMIT NUMBER 82 INGINEER NEVIEW NITIALO PORCE W Q G E N 8 19 U CONDITIONS n 70 70 HEALTH DEPARTMENT APPROVAL (NOT TO DE FILLED IN BY DRILLER) 8 5 CONTINUED LATITUDE 1 (SEQ. NO.) Cecil 2 3 COUNTY DEPT. OF HEALTH STATE DEPARTMENT OF HEALTH 41 760310 LONDITUDE 0 MD. DAY YR+ 177 non ថថ 01 Supervising Sanitarian 60 6.9 APPROVED BY 081070 TITLE DATE 144010 43 18 86 OVEC CONDITIONS 8-63 DWR USE ONLY 2 IDED. NO.J 6

ORIGINAL

1 Nº 04 1.15 15 HARALARD TATE OF 162 - 2 STATE OFFICE SLOD, ANNAFOLS, BARTLAND 21401 A 20. 14. ----itels humber in th af punched in column in an and and WELL-COMPCETION REPORT PILL IN THIS FORM COMPLETELY BITTE OF MILL BATE HAS PIVER PERMIT 14, PRAM 20 MIT TO PRILL WEST T. 25 19701 CE-11-0031 . arti TO MEXADAT FORT 1200970 082570 39 PRILE TRA DEAD IF IS AT IN HU. 2 ... 0 b ØWNER 334 E. MAINST NEWRRA TREET OR APO POST OFFICE WELL DESCRIPTION C <u>ع</u> GROUTING RECORD <u>у</u>ф STATE THE RING OF FORMATIONS PENETRATES, THEN COLOR, BEPTH, THICKNESS AND IF WATER BEARING WELL HAR BEEN BROUTER AURGLE APPAPENIATE BOXE INKRE WUIT H FUNPING TEST FXCT UNE ADDITIONAL ANEETA STATE A DEPTH OF OROUT SEAL ITO HRANEST FOOTS PAUN ¥Ģ HAURE PUMPED ITO NEAREST HODEL RED CLAY Ó 50 PUMPING HAYA WALLONG PERSIMUTE SUNEAREDT BALLON T. 70 GRAY SAND Q CASING RECORD MEANWAL CARINA TYPER 1 1 CO 58 20' 134**8**17 WATER L 10147Lack Friday LA ne frazente ATTROPULATE NEPORE Pampane The Property of the Property o 2005 MELOW) OTHER Se L INEARTST GRAY GRANITISS HUMPING 80 FASTIC 1. TYPE OF FUMPED VARD WINGLE APPROPRIATE BOD MAIN CARUIC TYPE NOMINAL DIAMETEN "TOTAL BENTH TOF IMATHJCASING OF MAIN CARING " (NEAREST INCH) HEAREST FOOT (Ęļ 4 1 TUNNINE **Hato**h 17 5 O BESCHINE C CRATATFUSAL R ROTARY 100000 J 69 0 66 דא <mark>נ</mark>ק OTHER CASING IT USED! B BUAMERBLADES DIAMETER DEFTH (FEET) 0 2 D (INCH) PUMP INSTALLED TYPE OF RUMP WRITE APPROPRIATE LEVTER IN BOS - BEE ABOVEL A, D, J, P, H, B, T, D. 20 M° ¢ żи G 10 ø CAPACITYI .1. GALLONS PER MINUTE SCREEN RECORD SAMEEL TICE 1.1 PUMP HORNE POWER ST INACHT BR H O PUMP COLUMN LENGTH APPROPRIATE STEEL DA BRONZE OPEN HOLE CODE CASING HEIGHT ICINELE APPROPRIATE BOR AND ENTER BARINE HEIGHT) BELOW PL O T 42 ABOVE PLASTIC OTHER LAND SUNPACE. L WEATERT MO138 ** 2 12 DEPTH INEARKET WHOLE FOOT \$3 LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURE BUCH AS BULLEINGL SERVIC TANNS, ANDFOR OTHER LAND MARKS AND INDICATE NOT LESS THAN TWO DISTANCES IMBASUMEMENTS TO WELLI. Ta ; 1. 50 60 CIRCLE APPROPRIATE BOXES DA 20 301 32 04 A WELL WAS ABANDONED AND SEALED WHEN THIS 40 φ. SELECTRIC LOG DETAINED HOVSE COPY OF ELECTRIC ATTACHED 1 ñA 60 I HEREBY BERTIFY THAT I HAVE COMPLIED WITH ALL CONDITIONS STATED ON THE ANOVE CAPTIONED" PERMIT TO BRILL WELL", AND THAT INPORMATION CONTAINED IN THIS MEPORT IS THUE, ACCURATE, AND COMPLETE TO THE REST OF MY KNOWLEDGE, INFORMATION AND BEILES. fle 3. IF WELL DRILLED WAS A n 68 F FLOWING WELL CINCLE DOX UFIL IEF. THE STORE STATES DAILLERS NAME 45 FREASE MAURICE" BRAWN OTHEN DATA SIGHATOHE MANALES BARLIM 74 78 78

Contraction (

STATE OF MARYLAND DEPARTMENT OF WATER RESOURCES STATE DFFICE BUILDING ANNAPOLIS, MARYLAND 21401

PERMIT TO DRILL WELL

ISSUE DATE- 08/06/71 MD DA YR

DRILLER

ID. NUMBER- 250

ISSUED TO DRILLER-DIFILLIPPO, C JR 82 WHITE CLAY CRESCENT NEWARK DE 19711

THE ABOVE NAMED DRILLER IS HEREBY AUTHORIZED TO DRILL A WELL TO BE OWNED BY-

HALL; WILMER PIERCE RD RISING SUN MD

THIS WELL IS TO BE LOCATED IN CECIL COUNTY, SUNRISE ESTS SUBDIVISION, SECTION- , LOT-NEAR THE TOWN OF RISING SUN

THE WATER IS TO BE USED FOR A DOMESTIC SUPPLY.

THIS WELL WILL NOT REPLACE ANOTHER WELL.

****SPECIAL CONDITIONS****

THIS PERMIT IS SUBJECT TO THE FOLLOWING SPECIAL CONDITIONS-1. LOCATE WELL AT LEAST 50 FT. FROM ANY SEWAGE DISPOSAL SYSTEM.

THIS PERMIT IS VALID UNTIL 02/06/72. A WELL COMPLETION REPORT MUST BE SUBMITTED TO THE DEPARTMENT WITHIN 30 DAYS AFTER COMPLETION OF THE WELL

> PAUL W. MCKEE DIRECTOR, MARYLAND DEPARTMENT OF WATER RESOURCES

WR-W-3 9-70 STOURNER NO. 8 1 STATE OF MARYLAND DWW DEC DWV DEPART STATE OFFICE BLDG., ANNAPOLIS, MARYLAND 21401 1580. NO.1 3 ITHIS NUMBER IS TO BE PUNCHED IN ERLE, 345 BH ALL FARUEL 7**2-0**05 APPLICATION FOR PERMIT TO DRILL WINL FILL IN THIS FORM COMPLETELY BATE RECEIVED A-1250 OWNER Me R CUL IRST NAME COL a STREET OR RED Sunsiat Estres ß 30 n 7 COL. 55 POST OFFICE 21 Sun ING 8-15 COL #3 B 1 CONTINUED COL. 76 DRILLER INFORMATION 83 LOCATION OF WELL IDEQ. NO.) 2 5 1010. NO.1 Ceci ul ICENSE L DATE COUNTY NUMBER OO NOT ABBREVIATE COUNTY NAME! 11 80 SUNRISE SUDDIVISION ESTATE CONSTANTINE 75 Po FIRST NAME SEC TION DRILLER LOT" NAME 50 D. \$. NEAREST TOWN SIGNATURE 82 CS FROM TOWN LENTER O IF INTOWN З MI WELL INFORMATION 10 77 78 (SEQ. NO.) 8 MAXIMUM PUMPING RATE (GALLOND PER MINUTE) 8 4 DIRECTION FROM TOWN AVERAGE DAILY QUANTITY NEEDED (SALLONS PER DAY) 800 M NORTH N E NORTHEAST S E SOUTHEAST EAST USE FOR WATER GIRCLE APPROPRIATE DOFF S DOUTH DOMESTIC, HOME ISINGLE OR DOUBLE HQUARHOLD UNIT ONLY W [N W NOATHWEST S W Sputhwest WEST F FARMING, AGRICULTURE, IRRIGATION NEAR 201 SOUTH EAST 30 WENT WHICH DIDE OF NOAD ICLE APPROPRIATE BOX) I INDUSTRIAL, COMMERCIAL, STATE AND PEDENAL GOVERNMENT. 5 E Ę. N. 32 617 м MUNICIPAL WATER SUPPLY DIBTANCE FROM ROAD TER DISTANCE AND CIRCLE APPROPRIATE BOX MUST BAVE STATE HEALTH DEPT. APPROVAL MI P PRIVATE WATER COMPANY DRAW A SKETCH BELOW EHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS, ROADS AND STREAMS WITH NORTH IN THE DIRECTION OF THE ARROW, AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNGTION OR STREAM CROSSING SHOWN ON THE SKETCH. ALSO SHOW, BY MEAN OF AN XX THE WELL LOCATION IN THE BOX BELOW, AND THE BOX NUMBER FROM THE WELL LOCATION MAP. 38 30 TTEST APPROXIMATE DEPTH OF WELL P 100 FEET APPROXIMATE DIAMETER OF WELL INEAREST INCH METHOD OF DRILLING-USED ICINCLE APPROPRIATE METHODI BORED IOR AUGEREDI DRIVEN 0-30 AIR-ROTARY AIR-PERCUSSION ROTARY INVORAULIC HOTARY) CABLE REVERSE ROTARY DRIVE - POINT OTHER (DESCRIBE) REPLACEMENT OR DEEPENED WELLS (CIRCLE APPROPRIATE BOX) THIS WELL WILL NOT REPLACE AN EXISTING WELL Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY THE REPORT OF MERIT FALLE D 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 (DWR USE ONLY) APPROPRIATION PERMIT NUMBER ENGINEER REVIEW DISTRICT NO. 1060 BOX AE N SGWQ C WRITE INITIALS U FORCE NUMBER N 670 CONDITIONS lΠ 0/5 70 71 72 73 74 75 R. 4 CONTINUED HEALTH DEPARTMENT APPROVAL NORTH 6750 Z з ISEO. NO / CORDIN STATE HEALTH Cecil S CINCLE DOX 52 MIN COUNTYNAME EAST **QUNTY NO.** 0 045000 MO. DAY YR Dand CORDINATE more DATE 0 7 2 9 7 1 P 61 APPROVED BY WELL HEAD (FEET) 48 8 5 SPECIAL 0/0 CONDITIONS 8+63 5/0 DWR USE ONL Y 2 Э (SEQ. NO.) 6 1 () 400 03 ORIGINAL

UNIVITAL

WD+W-4 8/20 SEQUENCE NO. THIO REPORT MUDT BE SUBMITTED WITH-In 20 Days After Well Lompletion STATE OF MARYLAND CI 269 DEPARTMENT OF WATER RESOURCES STATE OFFICE BLDG., ANNAPOLIS, MARYLAND 21401 1 2 2 LORUS NOL FILL IN THIS FORM COMPLETELY WELL COMPLETION REPORT 懋 DEPTH OF WELL WWN OUE ONLY? PERMIT NO. FROM ""PERMIT TODRILL WELL" SEPT. CET-27-00K7 75 22 ITO NEAREST FOOTI DRILLERO IDENTIFICATION NO. L 2.50 10057.1 09047 Wilmen OWNER. PIERCE Risi Sun E STREET OR RED POST OFFICE WELL DESCRIPTION C Э WELL LOG GROUTING RECORD 2000.000 STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNEDS AND IF WATER BEARING WELL HAS BEEN GROUTED (CIRCLE APPROPRIATE BOX) ¥ 2 ISCO. NO.J PUMPING TEST 44 FEET UDE ADDITIONAL SHEETS CHECKAP WATER BEARING TYPE OF GROUTING MATERIAL (CIRCLE BOX) FROM τö CEMENT CM ac DENTONITE GLAY Topmil, shale software Vinnite HOURD FUMPED (TO HEAREST HOUR) ೨ಂ 45 0 PUMPING RATE WALLONS PER MINUTE TO NEAREST GALLON) NO. OF BAGS NO, OF POUNDS 20 45 GALLOND OF WATER METHOD USED TO MEASURE PUMPING BATE 71m 73 DEPTH OF GROUT, SEAL (TO NEAREST FOOT) 65 WATER LEVELI (DISTANCE THOM LAND SURFACE). INEAREST FROM _____FT+ 48 52 TENTER 0 IF FROM SURFACET 20 1 58 77 BEFORE Pumping CASING TYPES CASING RECORD WHEN J INEAREST 22 INSTAT 2.5 CONCRETE ST TYPE OF PUMPED USED (CIRCLE APPROPRIATE BOX) APPROPRIATE CODE (A) }I ⊨ BELOW P PISTON τ. TURBING PL OT 27 27 OTHER LASTIC O OTHER (DESCRIBE 27 BELOW) G GENTRIFUGAL NOMINAL BIAMETER TOP IMAIN/CASING INEARCH INCH R ROTARY MÂIN 27 TOTAL DEPTH 27 CASING TYPE OF MAIN CASING JJET 3 SUBMERSIBLE 널 37 27 ETT PI 66 70 63 64 PUMP INSTALLED OTHER CASING (IF USED) DEPTH (PEET) TYPE OF PUMP (WRITE ANPROPRIATE LETTER IN BOX - BEE ABOVEL A, C, J. P. R. S, T. Q. DIAMETER (INCH) Ťΰ й . Ē DAILLER WILL INSTALL PUMP (CIRCLE APPROPRIATE BOX) Y N NG CAPACITY1. GALLONS PER MINUTE (YO NEAREDY GALLON) SCREEN RECORD SCREEN TYPE 5 BR но ٣ INSERT PUMP HORSE POWER APPROPRIATE STEEL BRASS OPEN HOLE CODE PUMP COLUMN LENGTH HELDW 43 47 PL OT CASTIG HEIGHT (CINCLE APPROPRIATE BOX AND ENTER CASING HEIGHT) PLASTIC OTHER 4-С ABOVE 2 LAND SURFACE - BELOW) 49 BI LOCATION OF WELL ON LOT BHOW PERMANENT STRUCTURE BUCH AS DUILDINGS, SEPTIC TAHKS, AND OR OTHER LAND MARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL). (SEQ. NO.) (NEAREST 6 DEPTH INCAREST WHOLE FOOT) FROM EACH Ň SOREEN CIRCLE APPROPRIATE BOXES 23 24 2.6 30 12 36 A WELL WAS ABANDONED AND SEALED WHEN THIS 45 47 38 39 41 15.5 C CLECTRIC LOG OBTAINED SLOT SIZE 1. 2, Э, C COPY OF KLECTRIC LOG ATTACHED OD INCAREST INCH DIAMETER OF SCREEN I HEREBY CERTIFY THAT I HAVE COMPLIED WITH ALL CONDITIONS STATED ON THE ABOVE-CAPTIONED "PERMIT TO DRILL WELL", AND THAT INFORMATION CONTAINED IN THIS REPORT IS TRUE, ACCURATE, AND COMPLETE TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF. 56 FROM GRAVEL PACK IF WELL DRILLED WAS A 68 F FLOWING WELL CIRCLE BOX DRILLERS NAME OWR USE ONLY (NOT TO BE FILLED IN BY DRILLER! "FATTAR DOWNSTANTINE DI FILIPIPAJE (E.R.O.S.) W Q 70 SIGNATURE Contraction Difilines pt. 74 75 76 OTHER DATA AVAILABLE 72 TELESCOPE CASING LOG INDICATOR

ORIGINAL

105-81

STATE OF MARYLAND DEPARTMENT OF WATER RESOURCES STATE OFFICE BUILDING ANNAPOLIS, MARYLAND 21401

PERMIT TO DRILL WELL

ISSUE DATE- 01/10/72 MO DA YR

ISSUED TO DRILLER-

DRILLER PRESTON & HAMILTON ID. NUMBER- 112 RD 1 BOX 230 HAVRE DE GRACE MD 21078

THE ABOVE NAMED DRILLER IS HEREBY AUTHORIZED TO DRILL A WELL TO BE OWNED BY-

> SMITH, RONALD 422 9TH ST UPLAND PA 19015

THIS WELL IS TO BE LOCATED IN CECIL COUNTY, NEAR THE TOWN OF RISING SUN

THE WATER IS TO BE USED FOR A DOMESTIC SUPPLY.

THIS WELL WILL NOT REPLACE ANOTHER WELL.

****SPECIAL CONDITIONS****

THIS PERMIT IS SUBJECT TO THE FOLLOWING SPECIAL CONDITIONS-

L. LOCATE WELL AT LEAST 50 FT. FROM ANY SEWAGE DISPOSAL SYSTEM.

THIS PERMIT IS VALID UNTIL 07/10/72. A WELL COMPLETION REPORT MUST BE SUBMITTED TO THE DEPARTMENT WITHIN 30 DAYS AFTER COMPLETION OF THE WELL

> PAUL W. MCKEE DIRECTOR, MARYLAND DEPARTMENT OF WATER RESOURCES

W#:W2 #578 EMERGENCY NO. (If any) -215-786-549 BERGENCE NO. B \$ STATE OF MARYLAND OWR PERMIT NUMBER 80 DEPARTMENT OF WATER RESOURCES STATE OFFICE BLDG., ANNAPOLIS, MARYLAND 21401 1 2 3 TARD, NO.J 6 THIS NUMBER IS TO BE PUNC IN COLS. S.S ON ALL CANDES (15 ... PUNCHED APPLICATION FOR PERMIT TO DRILL WELL FILL IN THIS FORM COMPLETELY DATE MECEIVED IOWN USE CHLVI 40 ne a l OWNER \$11072 006 18 INST HAM ON RED L COL: 34 COL. 38 19015 OFFICE L **N**... 1 N COL. 76 B 1 CONTINUED DRILLER INFORMATION 83 LOCATION OF WELL 108Q. NO. 2 2 COUNTŸ 81 DO NOT ABBREVIATE COUNTY NAME SUBDIVISION HAMILTON ממ 40 BECTION 80 NEAREST TOWN SIGNATURE 71 MI MILES FROM TOWN (ENTER O IF IN TOWN) B 2 WELL INFORMATION 76 7778 1 2 8 (DEQ. HO.) 6 MAMIMUM PUMPING RATE (GALLONG PER MINUTE) B 4 DIRECTION FROM TOWN 8 200 15 IDEO. 12 800 AVERAGE DAILY QUANTITY NEEDED (CALLOS PERCAY) 1 N HONTH ERA N E NONTHEAST & E BOUTHEAST USE FOR WATER ICINCLE APPROPRIATE BOX) 8 W N W NORTHWEST S W DOUTHWEST 200119 WEST 0 DOMESTIC, HOME ININCLE ON BOUBLE HOUSEHOLD UNIT CHLYS *ا*لي NEAR WHAT even F PARMING, AGRICULTURE, INRIGATION NONTH 80 WEST ON WHICH SIDE OF HOAD (CINCLE APPROPRIATE DOX) 5 <u>a</u> N 1 INDUSTRIAL , COMMERCIAL, DTATE AND FEDERAL GOVERNMENT. w FT M DISTANCE FROM ROAD (ENTER DISTANCE AND CIRCLE L APPROPRIATE BOX) 54 MUNICIPAL WATER SUPPLY 0 MI MUOT HAVE OTATE HEALTH DEPT. APPROVAL DRAW A DRETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO HEARST TOWNS, ROADS AND STREAMS WITH NORTH IN THE DIRECTION OF THE ARROW, AND GIVE DIS-TANCE FROM WELW TO HEAREST ROAD JUNCTION OR STREAM CROSSING SHOWN ON THE EKETCH, ALSO DHOW, BY MEANS OF AN "X", THE WELL LOCATION IN THE BOX BELOW, AND THE BOX NUMBER FROM THE WELL LOCATION MAP. P PRIVATE WATER COMPANY $[\tau]$ TEST APPROXIMATE DEPTH OF WELL SA PERT APPROXIMATE DIAMETER OF WELL I INCAREOT INCH) METHOD OF DRILLING USED (CIRCLE APPROPRIATE METHOD) BORED (OR AUGENED) JETTED DRIVEN 30-37 AIR-ROTANY AIR-PERCUSSION ROTARY HORAULIC ROTARY! CARLE REVERSE-ROTARY HOINT DRIVE X OTHER (DESCRIBE) S REPLACEMENT OR DEEPENED WELLS (GIRGLE APPROPRIATE BOX) N Shin WELL WILL NOT REPLACE AN EXISTING WELL Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED 1-⁴ 5 THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY THIS WELL WILL DEEPEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPENED (IF AVAILABLE) D 41 NOT TO BE FILLED IN BY DRILLER (OWR UDE ONLY) APPROPRIATION PERMIT NUMBER ENGINEER REVIEW 1060 BOX WQ EN 9 G ÷Ľ NUMDER WRITE FORCE CONDITIONS 11 680 0/1 A.7 **B**|4 HEALTH DEPARTMENT APPROVAL CONTINUED NORTH COORDINATE 680000 2 (SEQ. NO.) Cecil 01 52 89 04 85 D RTATE "FALT" 41 COUNTY NO. COUNTY NAME BAUT 065000 MO. DAY YRE COONDINATE d x 64 × OATE Q 1 0 6 7 2 Ø 50 00 00 01 62 63 APPROVED OT ELEVATION AT WELL HEAD (FEET) 49 48 00 676 ri/0 8 5 ONLY (020. NO.) 105-8 ORIGINAL

WR + W+4 #/71 T BE TURMITTED WITH TriiM GEQUENCE NO STATE OF MARYLAND 0391C 1 IN DO DAYS AFTER WELL COMPLETION DEPARTMENT OF WATER RESOURCES STATE OFFICE BLDG., ANNAPOLIS, MARYLAND 21401 FILL IN THIS FORM COMPLETELY S Lako, NO.J 2 6 THIS HUMBER IS TO BE PUNCHED IN COLS. 3-5 ON ALL CARDOT COUNTY WELL COMPLETION REPORT DEPTH OF WELL WA USE ONLY PERMIT NO. FROM **PERMIT TO DRILL WELL** 1-31-71 DATE WELL COMPLETED 052472 ITO HEANEDT FOOT 26 05 DRILLERS IDENTIFICATION NO. 122 ब्राजग्र auch FINDT HAME OWNER SP POST OFFICE 9.11 22 Lap STREET OR RFD WELL PRAGRIPTION C 3 WELL LOG GROUTING RECORD NO STATE THE KIND OF FORMATIONS PENETRATED, THEIR Color, Depth, Thickhedd and IF water Dearing WELL HAD BEEN URUNYED (CIRCLE APPROPRIATE DOX) N Y D 21 WED. NO.1 PUMPING TEST CHECH UN WATER DEANDIG FEET DESCRIPTION TYDE OF GROUTING MATERIAL (CIRCLE nöx) USE ADDITIONAL SHEETS FROM 10 CEMENT GM BC BENTONITE CLAY HOURD PUMPED (TO HEAREDT HOUR) 45 40 PUMPING RATE (GALLOND PER MINUTE TO NEAREBY GALLON) HO, OF POUNDS HO. OF BAGS \bigcirc GALLONE OF WATEN METHOD HARD TO MEADURE PUMPING RATE 5 Spellow clay brown provel brown clay 1. rock DEPTH OF GROUT SEAL (TO WEAREDT POOT) WATER LEVEL: (DISTANCE FROM LAND SUMPAGE) FROM 40 52 52 54 [ENTED DIN FROM SUNFACE) 7 0 856916a I PEONSOT -F 82 **YYNK**a CASING RECORD WEAHFET 60 ынаниа 122 20 INSERT 9 T C O TYPE OF PUMPED USED (CINCLE APPROPRIATE BOX) APPHOPHIATE TTEL CONCRETE FOR PUMPING TEOT! 83 CODE T P PINTON TUNBINK BELOW OT PL 17 27 OTHER LAOTIC PERSON BE 0 C CENTRIFUGAL n HOTANY MAIN CASING TYPE NOMINAL DIAMETER TOP (MAIN) CASING (NEAREDT INCH) TOTAL DEPTH OF MAIN CADING (NEAREST FOOT) 1 5 OURMERCIALE 5 6 84 70 66 63 66 55 PUMP INSTALLED OTHER CASING (IF UNED) S TYPE OF PUMP WRITE APPROPRIATE LETTER IN Dox - Ber Abovet A. G. J. P. R. B. T. O. DEPTH (FEET) FROM TO DIAMETER (INGH) Ħ CINCLE APPROPRIATE BOX) Ý N CAPACITYI GALLONS PER MINUTE \mathcal{O} SCREEN RECORD ITO NEAHEDT GALLON) AGREEN TYPE 30 5 T BR но INAGAT PUMP HOREE POWER APINIOMIATE 517 41 OR BRONIE STERL 5 PUMP COLUMN LENGTH (ARANEST FOOT) . 2005 BELOW 43 17 0 7 PL CASING HEIGHT CINCLE APPROPRIATE-DOX AND ENTER CASING HEIGHT) PLADTIC OTHER + LOOVE C 2 LAND BURFACE INCAREST (BEG. NO.) 6 an in 13 - BELOW DEPTH (NEAREST WHOLE POOT) TOOT! 49 51 đũ 21 LOCATION OF TELL CALOT BEDRING PERMINENT ATROCTORE BUCH AS THE LOINGS DEFILE TANKS, AND/OR OTHER LAND MARKS AND INDICATE NOT LESS THAN TWO PIETANCES (MEASUREMENTS TO WELL). EACH SCREEZ CIRCLE APPROPRIATE BOXES 36 24 A WELL WAS ADANDONED AND STALED WHEN THIS Live 3 17 BI ad 48 E ELECTRIC LOG OBTAINED BLOTBIE II 2. з. P TEST WELL CONVERTED TO PRODUCTION WELL DIAMETER OF OGREEN o, (NEAREDT INCH) THEREBY CERTIFY THAT I HAVE COMPLIED WITH ALL CONDITIONS STATED ON THE ABOVE-CAPTIONED "DETMIT TO DRILLWELL", AND THAT INFORMATION CONTAINED IN THIS REPORT IS TRUE, ACCURATE, AND COMPLETE TO THE BEDT OF MY KNOWLEDGE, INFORMATION AND 60 TO FROM GRAVEL PACK IF WELL DRILLED WAS A 0 F BELIEF LOWING WELL CINCLE BOX DRILLERS NAME OWR VOE ONLY (NOT TO DE FILLED IN BY DRILLER) BRIEADE CHAS. HAMILTON, JR (E.R.D. 0.) W Q halles 70 72 74 70 TELEBEOPE GADING LOG OTHER DATA SIGNATUREL

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NRC 137	milked is 07			
STATE OF MARYLAND DEPARTMENT OF NATURAL RESOUL WATER RESOURCES ADMINISTRATIC TAWES OFFICE BUILDING, ANNAPOL	DN SA			
PERMIT TO DE	RILL WELL			
ISSUE DATE- 11/21/73 . MD DA YR	. PERMIT NUMBER- CE-73-0670			
ISSUED TO DRILLER- DIFILIPPO, C 5 BRINTON W/ NEWARK DE 19	Y,GLEN KYLE			
THE ABOVE NAMED DRILLER IS HEREBY AUTHORIZED TO DRILL A WELL TO BE DWNED BY-				
HUMESTEAD BL Meadowood Sh Newark de	IOP CTR			
THIS WELL IS TO BE LOCATED IN C SUNRISE ESTS SUBDIVISIO NEAR THE TOWN OF RISING SUN	ECIL COUNTY, N, SECTION- , LOT- 6 ,			
THE WATER IS TO BE USED FOR A D	DMESTIC SUPPLY.			
THIS WELL WILL NOT REPLACE AND	HER WELL.			
SPECIAL CC	NDITIONS Vill cause this permit to become null and void			

1. LOCATE WELL AT LEAST 50 FT. FROM ANY SEWAGE DISPOSAL SYSTEM.

THE ABOVE CONDITIONS FROM CODES ON APPLICATION

THIS PERMIT IS VALID UNTIL 05/21/74. A WELL COMPLETION REPORT MUST BE SUBMITTED TO THE DEPARTMENT WITHIN 30 DAYS AFTER COMPLETION OF THE WELL

> HERBERT M. SACHS DIRECTOR, MARYLAND WATER RESOURCES ADMINISTRATION

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A4163-73 EMERGENCY NO. (If any) -OWR PERMIT NUMBER **ONR-131** OF MARYLAND STATE SEQUENCE NO. (DWR USE DNLY) DEPARTMENT OF WATER RESOURCES STATE OFFICE BLDG., ANNAPOLIS, MARYLAND 21401 5051 CE73 0670 BII 1 2 3 (SEC. NO.) 6 (THIS NUMBER IS TO DE PUNCHED APPLICATION FOR PERMIT TO DRILL WELL FILL IN THIS FORM COMPLETELY IN COLS. 9-6 ON ALL CARDS! Ane DATE RECEIVED FIRST NAME COL. 34 OWNER COL 15 LAST 21 112178 COL. 55 STREET OR RFD COL 36 COL. 76 DFFICE LOCATION OF WELL в З -13 DRILLER INFORMATION CONTINUED B 1 (SEQ. ND.) 2 3 1 ISED. NO 21 2 COUNTY NAME IDD NOT LICENSE de Å -42 BO SUBDIVISION O A SECTION 50 40 DRILLE 71 NEAREST TOWN MI MILES FROM TOWN (ENTER O IF IN TOWN) 76 77 78 SIGNAT URE WELL INFORMATION DIRECTION FROM TOWN В 4 8 2 ICIRCLE APPROPRIATE BOX! 6 ISEO. ISED. NO.J 1 MAXIMUM PUMPING RATE (GALLONS PER MINUTE) N E NORTHEAST S E SOUTHEAST 12 800 E Ν 451 NORTH AVERAGE DAILY QUANTITY NEEDED (GALLONS PER DAY) S W SOUTHWEST NORTHWEST N W W WEST S SOUTH USE FOR WATER CIRCLE APPROPRIATE BOX J D DOMESTIC, HOME ISINGLE OF DOUBLE HOUSEHOLD UNIT ONLY q 8 82 0 a e k Å NEAR WHAT 30 EAST OSITH WES NORTH 1.1 FARMING, AGRICULTURE, IRRIGATION ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOS) 32 E W F N Ē 32 INDUSTRIAL , COMMERCIAL, STATE AND FEDERAL GOVERNMENT. DISTANCE FROM ROAD TENTER DISTANCE AND CIRCLE APPROPRIATE BOX) 1 50 MI 37 3839 MUNICIPAL WATER SUPPLY DRAW A SKETCH BELOW SHOWINGLOCATION OF WELL IN RELATION TO NEARBY TOWNS, ROADS AND STREAMS WITH NORTH IN THE DIRECTION OF THE ARROW, AND GIVE DIS-TANCE FROM WELL TO NEAREST ROAD JUNCTION OR STREAM CROSSING SHOWN ON THE SKETCH. ALSO SHOW, BY MEANS OF AN "X" THE WELL LOCATION IN THE BOX BELOW, AND THE BOX NUMBER FROM THE WELL LOCATION MAP. M MUST HAVE STATE HEALTH DEPT, APPROVAL PRIVATE WATER COMPANY P т TEST 28 FEET APPROXIMATE DEPTH OF WELL 24 I (NEAREST INCH) APPROXIMATE DIAMETER OF WELL METHOD OF DRILLING USED (CIRCLE APPROPRIATE METHOD) -2-29 DRIVEN BORED (OF AUGERED) JETTED AIR-PERCUSSION ROTARY (HYDRAULIC ROTARY) 1 30-37 AIR-ROTARY REVERSE-ROTARY DRIVE-POINT $\overline{\Lambda}$ CABLE $\underline{\nabla}$ OTHER (DESCRIBE) REPLACEMENT OR DEEPENED WELLS (CIRCLE APPROPRIATE BOX) THIS WELL WILL NOT REPLACE AN EXISTING WELL NV THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED Y THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY 5 D THIS WELL WILL DEEPEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPENED (IF AVAILABLE) 5 4 nd. X 82 41 NOT TO BE FILLED IN BY DRILLER (OWR USE ONLY) ENGINEER REVIEW APPROPRIATION PERMIT NUMBER DISTRICT NO. 65 BOX É G w a Ċ U NUMBER 'N Ä 5/5 0/5 WRITE INITIALS CONDITIONS FORCE 675000 70 67 68 NORTH HEALTH DEPARTMENT APPROVAL COORDINATE 50 51 52 53 54 58 B 4 CONTINUED (SEQ. HO.) 6 Cecil 1 2 а 1065000 -----COURDINATE COUNTY NO. CIRCLE HEALTH COUNTY NAME s 41 57 58 59 60 61 62 03 D AV YŔ. MÖ+ 43 ELEVATION AT DATE 1 1 1 9 7 510 WIFS 3 APPHOVE 65 00 67 08 DWR USE ONLY 43 CONDATIOND 8-63 B 5 7 ŐÐ, 6 10 ISEG. NO.7 INTERLD 1 2 3 1

WR - W-A 9/71 SEQUENCE NO. 1.1511 新生物的产生数1271,新仁 乙二醇化的学习100 30214m 2016 - 35、花卉12、石产发展,《开发》、1998年代上年的43 STATE OF MARYLAND G 1 6638 ABARH SSE CHEY! WATER RESOURCES ADMINISTRATION "d" ISTQ. NO. TAWES STATE OFFICE BLDG., ANNAPOLIS, MD. 21401 FILL IN THIS FORM COMPLETELY 2 1 THE COLOR STORES AND ALL CARDERS COUNTY A- 416 3-73 WELL COMPLETION REPORT DEPTH OF WELL 17.72 74 AI 6 4 0 9 7 4 22 TO NEAREST FLOT ÷Đ 0.5101514 SHE LERS INENTIFICATION NO. 1. 250 R smeste ame dus OWNER -N. NAME The POST OFFICE 19711 ladow ewayh mak STREET ON HED ... L DESCRIPTION C WELL LOG 3 GROUTING RECORD STATE THE RING OF FORMATIONS FENETRATED, "HI COLOR, DEPTH, THIERNESS AND IF WATER BEARING WELL HAS DEEN GROUTED (GIRGLE APPROPRIATE BOX) THESH (11) FFQ. NO. 6 N 3 PUMPING TEST ta in Algenia FEET 1.4 CESCRIPTION ILSE ADDITIONAL SHLETS IF NECESSARY TYPE OF GROUTING MATERIAL (CHIC CHECK IF WATER BEARING . . 2 FRCM 10 CM 3C REMENT BENTONITE CLA-NOUNE PERMOLE ITO NEAREST HOURS 56 PLOYPING RATE IGALLONS PER MINUTE TO NEAREST GALLON 3 NO. OF BAGS Q NO. GALLONS OF WATER METHOD USED TO MEATERAL alor 35 DEPTH OF GROUT SEAL ITO NUMBERT FUOT WATER LEVEL: DISTANCE EROM LAND SURFACES FT. 10 54 FROM BEFORE Fumping I FOOT 48 E2 ENTER O IF FROM SURFACE 40 CASING CASING RECORD WHEN FUMP.NG SOOT 22 INSERT CONCRETE 25 TYPE OF PUMPED USED (GIRCLE APPROPRIATE BOX APPROPRIATE. CONE BELOW PINSTON T TURBINE ОТ 8 . **5**... 27 27 OTHER PLASTI O OTHER IDESCRIBE ET BELOWI C CENTRIFUGAL RHOTARY Ý MAIN NOMINAL DIAMETER TOTAL DEPTH 27 CASING TYPE TOP MAIN CASING OF MAIN CASING ∮.; | JЕТ S SUBMERSIBLE le 10 63 64 66 PUMP INSTALLED OTHER CASING OF USED! E A C H TYPE OF MEMP WRITE APPROPRIATE LETTER IN DEPTH (FEET) UIAMETER (INCH) SEE ABOVE! A, C, J, P, R, S, T, OF BOK CAS i ORIGLER WILL MATALL ONWR Grote Appropriate Boxi Y Ň CAPACITY: 1 ŧ. 11 GALLONS FER MINUTE ITO NEAREST GALLON! SCREEN RECORD SCREEN TYPE 35 (FI) ST BR INSERT PUMP HORSE PUNCH 41 AFPROPRIATE STEEL BRASS OPEN HOLE 2002 PUMP COLUMN LENGTH 43 BELOW 47 PL OΤ CASING HEIGHT 1 SIRCLE APPROPRIATE BOX PLASTIC OTHER AND ENTER CASING HEIGHT! PASOVE ¢ 2 LAND SURFACE ISEQ. NO. 1 6 _____ DEPTH INEAREST WHOLE FOOT 1 1 2 **ф**Э - BELDA I FOOT 50 51 43 LTROM EACH LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURE SUCH AS BUILDINGS, SEPTIC TANKS, AND OR OTHER LAND MARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL). 17 1 01 21 SUREEZ CIRCLE APPROPRIATE BOXES 30 32 the 36 23 24 26 Sin A TA WELL WAS ABANDONED AND SEALED WHEN THIS ,273 45 47 51 38 39 41 E ELECTRIC LOG OBTAINED eloterze t._ 2-2 PITESY WELL CONVERTED TO PACDUCTION WELL DIAMETER OF TOREEN MEARL IT INCH e. 19.94 hasill RPALE, ESCH à..... . . . 5 P ME BRALLS WA A DF. SEF. 68 F UPIL, R. NAUL al 40 CE CNL9 TU BE FILLET PALLER o Ta CONSTANTINE DiFilipps 14.17 114 84 Ċ Constantin hisdiges 14 75 76 17-0 8 5474 ELPOIDE A DU ۵.* AVAL AN

ENTERED 1 10 07 DNR 137 STATE OF MARYLAND DEPARTMENT OF NATURAL RESOURCES WATER RESOURCES ADMINISTRATION TAWES OFFICE BUILDING, ANNAPOLIS, MARYLAND PERMIT TO DRILL WELL PERMIT NUMBER- CE-73-0671 ISSUE DATE- 11/21/73 NO DA YR DRILLER ID. NUMBER-250 ISSUED TO DRILLER-DIFILIPPO, C JR 5 BRINTON WAY, GLEN KYLE NEWARK DE 19711 THE ABOVE NAMED DRILLER IS HEREBY AUTHORIZED TO DRILL A WELL TO BE OWNED BY-HOMESTEAD BLDRS INC MEADOWOOD SHP CTR 19711 NEWARK DE THIS WELL IS TO BE LOCATED IN CECIL COUNTY, SUNRISE ESTS SUBDIVISION, SECTION- , LOT- 7 , SUNRISE ESTS NEAR THE TOWN OF RISING SUN THE WATER IS TO BE USED FOR A DOMESTIC SUPPLY. THIS WELL WILL NOT REPLACE ANOTHER WELL. FAILURE TO COMPLY WITH THE FOLLOWING CONDITIONS WILL CAUSE THIS PERMIT TO BECOME NULL AND VOID SPECIAL CONDITIONS 1. LOCATE WELL AT LEAST 50 FT. FROM ANY SEWAGE DISPOSAL SYSTEM. THE ABOVE CONDITIONS FROM CODES ON APPLICATION

THIS PERNIT IS VALID UNTIL 05/21/74. A WELL COMPLETION REPORT MUST BE SUBMITTED TO THE DEPARTMENT WITHIN 30 DAYS AFTER COMPLETION OF THE WELL

HERBERT M. SACHS DIRECTOR, MARYLAND WATER RESOURCES ADMINISTRATION

A4164-73 DWA PERMIT NUMBER EMERGENCY ND. (If any) -STATE OF MARYLAND CE 130671 DEPARTMENT OF WATER RESOURCES D:#2-331 STATE OFFICE BLDG., ANNAPOLIS, MARYLAND 21401 DEOUVNEL NO. FILL IN THIS FORM COMPLETELY 5052 APPLICATION FOR PERMIT TO DRILL WELL B 1 1 2 3 (SEQ. NO.) 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS) COL. 34 DATE RECEIVED OWNER COL 15 LAST COL. 55 STREET I COL. 76 12178 LOL 35 LOCATION OF WELL OF FICE COL 57 в З DRILLER INFORMATION (SEQ. NO.) 21 8 IATELCOUNTY NAME) 1 CONTINUED COUNTY в 1 **י**קי 42 (SEQ. NO.) man C LICENSE NUMBER SUBDIVISION 80 23 50 DATE SECTION 01 MI NEAREST TOWNL 76 77 78 MILES FROM TOWN (ENTER O IF IN TOWN DIRECTION FROM TOWN (CIRCLE APPROPRIATE BOX) SIGNATURE WELL INFORMATION 8 4 NE NORTHEAST SE SOUTHEAST ISEQ. ND. 3 В 2 ELAST 12 MAXIMUM PUMPING RATE (GALLONS PER MINUTE) N W NORTHWEST 5 W BOUTHWEST N NORTH Ø 00 AVERAGE DAILY QUANTITY NEEDED (GALLONS PERDAY) L w WEST S SOUTH USE FOR WATER (CIRCLE APPROPRIATE BOX) 8 D DOMESTIC. HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) enc 30 WEST EAST SOUTH NEAR WHAT NORTI 11 E 32 ON WHICH SIDE OF HOAD (CIRCLE APPROPRIATE BOX) æ 32 N FARMING, AGRICULTURE, IRRIGATION F n. 1.15 MI INOUSTRIAL , COMMERCIAL, STATE AND FEDERAL GOVERNMENT. DISTANCE FROM ROAD (ENTER DISTANCE AND CIRCLE APPROPRIATE BOX) 34 3839 DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS, ROADS AND STREAMS WITH NORTH IN THE DIRECTION OF THE ARROW, AND GIVE DIS-TANCE FROM WELL TO NEAREST ROAD JUNCTION OR STREAM CROSSING SHOWN ON THE SKETCH, ALSO SHOW, BY MEANS OF AN "XY", THE WELL LOCATION IN THE BOX BELOW, AND THE BOX NUMBER FROM THE WELL LOCATION MAP. 1 MUST HAVE STATE HEALTH DEPT. APPROVAL MUNICIPAL WATER SUPPLY M PRIVATE WATER COMPANY P N 28 28 TEST Т 10 APPROXIMATE DEPTH OF WELL 24 I (NEAREST INCH) APPROXIMATE DIAMETER OF WELL ŧ. METHOD OF DRILLING USED (CIRCLE APPROPRIATE METHOD) JETTED AIR-PERCUSSION, ROTARY (HYDRAULIC ROTARY) BORED IOR AUGERED) DRIVE-POINT 30-37 AIR-ROTARY REVERSE ROTARY CABLE REPLACEMENT OR DEEPENED WELLS (CIRCLE APPROPRIATE BOX) OTHER (DESCRIBE)_ 404 N THIS WELL WILL NOT REPLACE AN EXISTING WELL \mathcal{O} THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED N 7ud .274 S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY D THIS WELL WILL DEEPEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPENED (IF AVAILABLE) X NOT TO BE FILLED IN BY DRILLER (OWR USE ONLY) ENGINEER REVIEW DISTRICT NO. APPROPRIATION PERMIT NUMBER 65 BOX 5/5 NUMBER 0/5 U L Ŵ Q c Ġ 7 s E N <u>1</u> CONDITIONS 67500 50 81 52 53 54 58 WRITE NORTH 78 FORCE HEALTH DEPARTMENT APPROVAL 67 68 1065000 57 58 59 60 61 62 63 CONTINUED B 4 Cecil COORDINATE MEPUNTY MED ISEQ. NO.) 2 з CTATE HEALTH GOUNTY 1 8/Ö 68 66 67 (4)48) ELEVATION AT s APPROVED DY **4**١ DAY 111197 USE ONLY DATE DWR. 63 🕥 (n 10 CONDITIONS 8.03 **4**3 R & OFFICTOR POINTS B 5 Ø ISEQ. NC. ODIGINAL

WR + W-4 9/71 DWANGE ONLY 6639 Ċ 1 STATE OF MARYLAND THE REPORT MUST BE SUBMEDTED WITH TO BE DAYS AFTER WILL DEMOLSTICH WATER RESOURCES ADMINISTRATION - o ^j 1.22.04 2 ISEQ. NO.J 3 TAWES STATE OFFICE BLDG., ANNAPOLIS, MD. 21401 FILL IN THIS FORM COMPLETELY THES NOMBER 25 10 DE BOUCHES IN COLSE 966 CR ALL CARES WELL COMPLETION REPORT COUNTY Alf Herevel dyread wheel t A-416473 NUMBER 19 DEPTH OF WELL 40974 4 ograda y 82 1.-<u>UE-73-0671</u> TO NEAREST FOOTS 10 2.0 70 50 CRILLERS WENT FILATION NO. 1 OWNER FIRST HAME newark Nel. 19711 STREET OR RED 00 POST OFFICE WELL DESCRIPTION WELL LOG GROUTING RECORD С 3 TATE THE KING OF FURMATEONS PENETRATED, THE COLOR, DEPTH, THICKNESS AND IF WATER COARING NO THEM WELL HAS BEEN GROUTEL ICIRCLE APPROPRIATE BOXI N FEET CHECR IF WATER DESCRIFTION USE ADDITIONAL SHEETS PUMPING TEST 1.1 T = 0.02TING MATERIAL CIRCLE IND 3 C COMON* BENTONITE CLAY HOURS FOMPED ITS NEARTST NAURI topical shale grazgrante 5 POMPING BATE BALLON POMPING BALLON LO NO. OF BAGE - NUL OF POUNDS SALLONS OF WATER METHOE DEED TO RATE ON/RUS DAT DEPTH OF GROUT SEAL (TO NEAREST FOOT) WATER LEVEL: ADESTANCE FROM RPACES FROM ø NEAREST 48 52 ENTER O IF FROM SURFACES BEFORE PUMP(NS 58 55 CASING CASING RECORD 25 FOOT WHEN POMPING 40 122 INSERT E i) C O APPROPRIATE TYPE OF PUMPED USED CORCLE APPROPRIATE BOX CODE BELOW F PISTON ٣ σΤ TURBINE PL 27 27 OTHER PLASTI DTHER DESCRIBE BELOW] . MAIN C CENTRIFUGAL R ROTARY σ NOMINAL DIAMETER TOP (MAIN) CASING (NEAREST INCH) TOTAL CEPTH OF MAIN CASING (NEABEST FOOT) CASING JJET S SUBMERSIBLE 61 6 63 64 66 OTHER CASING INF USED PUMP INSTALLED EACH TYPE OF PUMP (WRITE APPROPRIATE LETTER IN BOX - SEE ABOVE: A, C, J, P -, S, T, Q) DEPTH FEET DIAMETER (INCH) CANEZO ٦٢ 11 ORILLER WILL INSTALL PUMP (CIRCLE APPPOPRIATE BOX) Y N CAPACITY: JL 11 GALLONS PER MINITE SCREEN RECORD SCREEN TYPE 35 (H) 5 T BR INSERT PUMP HORSE POWER 41 APPROPRIATE STEEL BRASS OPEN HOLE CODE PUMP COLUMN LENGTH AFLOW 43 PL OT 47 CASING HEIGHT CIRCLE APPROPRIATE BOX AND ENTER CASING HEIGHT! PLASTIC OTHER + DABUVE С 2 (NEAREST FOOT) LAND SUBFACE 2 13 SED. NO.) B DEPTH (NEAREST WHOLE FOOT) -BELOW 11 EACH FROM LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURE SUCH AS BUILDINGS, SEPTIC TANKS, AND OR OTHER LAND MARKS AND INDICATE NOT LESS THAN TWO DISTANCES 17 21 SCREEN CIRCLE APPROPRIATE BOXES MEASUREMENTS TO WELLI. لأن <u>__</u>] зо 32 . 23 24 26 36 6 A WELL WAS ABANGONED AND BEALED WHEN THIS WELL WAS COMPLETED 2) 45 47 41 51 38 39 E ELECTRIC LOG OBTAINED BLOT BIZE 1. ಶ P TEST WELL CONVERTED TO PRODUCTION WELL À the spect (Re +) THERE I AME A AMETER OF PORESN L PAC -I La maine - manage A VEL ORBITED AAC A 0.5 00 5 WING WELL IRULE B.F ្រស់ព SF GNLY to be primeto an eta md 276 BLA CONSTANTINE DIFilippo ρ · 🗍 14 75 76 Cont In his diges 2 8530FF 84103

c1 7416	SEQUENCE NO. (DENV 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 IN COLS. 3-6 ON ALL CAR	PUNCHE DS)	FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE	COUNTY NUMBER
ST/CO USE ONLY DATE Received	DATE WELL COMPLE	Depth of Well 22 22 28 0 (TO NEAREST FOOT) 28	PERMIT NO. FROM "PERMIT TO DRILL WELL" CE - 7.3 - 0.8 / 7 28 23 30 31 32 33 34 35 36 37
OWNER LAND	HOPE 1	ARMS first name Torray V	ennett Square, PA, 19348
STREET OR RFD 101	last name E, Str		ennettSquare, PA. 19348
WELL I Not required for	LOG	GROUTING RECORD yes no	C 3
STATE THE KIND OF	FORMATIONS	UCITCLE Appropriate Box)	1 2 PUMPING TEST
PENETRATED, THEIF	WATER BEARING	CENENT CINAL RENTONITE CLAY BC	HOURS PUMPED (nearest hour)
DESCRIPTION (Use additional sheets if needed)	T Vid		PUMPING RATE (gal. per min. 15 to nearest gal.)
Granite	80 187 -	GALLONS OF WATER DEPTH OF GROUT SEAL (to nearest foot) from ft. to ft. to ft.	METHOD USED TO MEASURE PUMPING RATE <u>Submersible</u> WATER LEVEL (distance from land surface)
Water Bearing		23 TOP 52 54 BOTTOM 58 (enter 0 if from surface)	
Water Bearing Zones		types ST CO	
150-179		appropriate code below	TYPE OF PUMP USED (for test) A P air P 27 turbine
Well was		PLASTIC OTHER MAIN Nominal diameter Total depth	C centrifugal R rotary O (describe
Contominated	1 1 1	CASING top (main) casing of main casing TYPE (nearest inch) (nearest foot)	27 27 27 below)
Deepened, put			J jet S bubmersible
Packer At		F OTHER CASING (if used) A diameter depth (feet) H inch from to	
127' Screen,			DRILLER WILL INSTALL PUMP YES NO
to 187, Solid From 127 to		$\begin{array}{c} c \\ r \\$	(CIRCLE) (YES or NO) IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS
5'		screen type SCREEN RECORD	EXCEPT HOME USE TYPE OF PUMP INSTALLED
		insert STEEL BRASS OPEN	PLACE (A,C,J,P,R,S,T,O)
		code below	CAPACITY: GALLONS PER MINUTE (to nearest gallon)
		C2	PUMP HORSE POWER
IN HARD ROCK AREAS, IDE WHERE SATURATED FRACT	NTIFY SPECIFICALLY	1 2 DEPTH (nearest (t.)	PUMP COLUMN LENGTH (nearest ft.)
			CASING HEIGHT (circle appropriate box and enter casing height)
WELL HYDROFRACTL		$ \begin{array}{c} \begin{array}{c} \begin{array}{c} \\ \\ \\ \\ \\ \\ \\ \end{array} \end{array} \\ \begin{array}{c} \\ \\ \\ \end{array} \\ \begin{array}{c} \\ \\ \end{array} \end{array} \\ \begin{array}{c} \\ \\ \end{array} \\ \begin{array}{c} \\ \end{array} \\ \begin{array}{c} \\ \\ \end{array} \\ \begin{array}{c} \\ \\ \end{array} \\ \begin{array}{c} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \\ \end{array} \\ \begin{array}{c} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \\ \end{array} \\ \begin{array}{c} \\ \end{array} \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \\ \end{array} \\ $	LAND SURFACE helow LAND SURFACE (nearest tool)
CIRCLE APPROP	ONED AND SEALED		LOCATION OF WELL ON LOT
E ELECTRIC LOG OBTA	INED	SLOT SIZE : 12523	BUILDING, SEPTIC TANKS, AND/OR N LANDMARKS AND INDICATE NOT LESS
PWELL			THAN TWO DISTANCES (MEASUREMENTS TO WELL)
THEREEY CEPTIFY THAT THIS WEL ACCORDANCE WITH COMAR 260 AND IN CONFORMANCE WITH AUD	L CONDITIONS STATED IN THE	GRAVEL PACK	
ABOVE CAPTIONED PERMIT. AND THAT THE INFORMATION PRE SENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE		F IF WELL DRILLED WAS FLOWING WELL INSERT	Store Skoul
BRILLERS IDENT. NO.		MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)	10.7
BRILLERS SIGNATURE MUST MATCH SIGNATURE ON APPLICATION		T (E.R.O.S.) W Q	
MUST MATCHISIGNATURE			
SITE SUPERVISOR (sign. c responsible for sitework if c	of driller or journeyman	TELESCOPE LOG OTHER DATA CASING INDICATOR	27.1
		一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一	

ENTERED 110 9
STATE OF MARYLAND DEPARTMENT OF NATURAL RESOURCES WATER RESOURCES ADMINISTRATION TAWES OFFICE BUILDING, ANNAPOLIS, MARYLAND
PSRMIT TO DRILL WELL
ISSUE DATE- 04/23/74 MD DA YR
ISSUED TO DRILLER- BROWN, M E & SONS RFD 2 NOTTINGHAM PA 19362 CRILLER ID. NUMBER- 38
THE ABOVE NAMED DRILLER IS HEREBY AUTHORIZED TO DRILL A WELL To be owned by-
MCGLOTHLIN & BENHAM RD 2 RISING SUN MD
THIS WELL IS TO BE LOCATED IN CECIL COUNTY, NEAR THE TOWN OF RISING SUN
THE WATER IS TO BE USED FOR A DOMESTIC SUPPLY.
THIS WELL WILL NOT REPLACE ANOTHER WELL.
SPECIAL CONDITIONS FAILURE TO COMPLY WITH THE FOLLOWING CONDITIONS WILL CAUSE THIS PERMIT TO BECOME NULL AND VOID
1. NOTIFY COUNTY HEALTH DEPT. 24 HOURS BEFCRE GROUTING WELL. 2. LOCATE WELL AT LEAST 50 FT. FROM ANY SEWAGE DISPOSAL SYSTEM.
THE ABOVE CONDITIONS FROM CODES ON APPLICATION
THIS PERMIT IS VALID UNTIL 10/23/74. A WELL COMPLETION REPORT MUST BE SUBMITTED TO THE DEPARTMENT WITHIN 30 DAYS AFTER COMPLETION OF THE WELL
HERBERT N. SACHS
DIRECTOR, MARYLAND WATER RESOURCES ADMINISTRATION

WRA GOPY

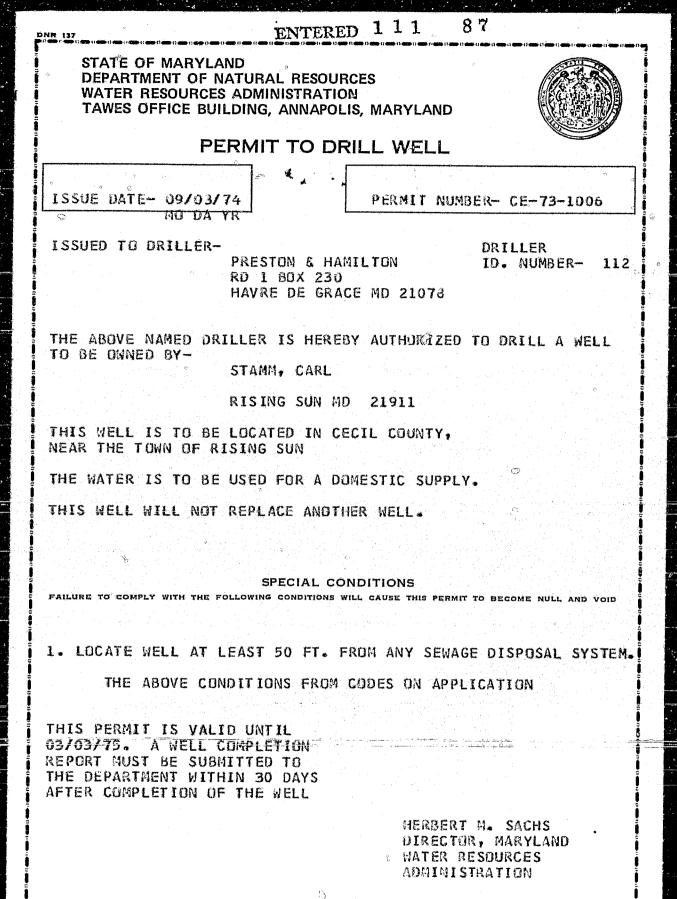
· EMERGENCY NO. (If any) -DHR-11: (7/73) ~ 0 WRA PERMIT NUMBER SECUENCE NO. STATE OF WARYLAND в 1 20 WATER RESOURCES ADMINISTRATION CE-73-0817 1 2 3 (SEO. HO.) 6 (THIS NUMBER IS TO BE PUNCHED TAKES STATE OFFICE BLDG., ANNAPOLIS, MARYLAND 21401 -FILL IN THIS FORM COMPLETELY APPLICATION FOR PERMIT TO DRILL WELL IN COLS. 2+6 DH ALL GARDES DATE RECEIVED (2)450 -4 TNE & Benham Etes 0 OWNER COL. 84 NAME LAST NAME 当于效定能 OR RED COL. 85 COL 36 0 Me POST Ina 0.11 OFFICE COL. 76 DRILLER INFORMATION **B**3 LOCATION OF WELL B 1 CONTINUED (950. NO.) SED. NO. 1 2 3 O N2 12 1 \sim 21 COUNTY LICENSE DO NOT ABBREVIATE COURTY NAME! SUBDIVISION 42 \$ Sons LOT SEC THON 50 OA NEAREST TOWN 71 Anni SIGNATURE L MI MILES FROM TOWN (ENTER O IF IN TOWN) 76 7778 73 BZ WELL INFORMATION **B**|4 DIRECTION FROM TOWN 0 1 2 3 ISEO. CO.J. D. MAXIMUM PUMPING NATE (GALLONS PER MINUTE) (SEO. @3.) (CIRCLE APPROPRIATE BOX) 151 N E NORTHEAST S E SOUTHEAST CA ê00 N NORTH AVERAGE DAILY QUANTIE NEEDED (GALLONS PERDAY) USE FOR WATER ICIRCLE APPROPRIATE BOX) NORTHWEST S W NW SOUTHWES s W SOUTH WEST DHOME (SINGLE OR DOUBLE HOUSEHOLD UNIT DNLY) 0 4 NEAR WUAT *n* িন F FARMING, AGRICULTURE, IRRIGATION WEST SOUTH EAST 11 0.0 ON WHICH SIDE OF ROAD 5 E 32 W 1.00 g I 32 INQUSTRIAL , COMMERCIAL, STATE AND FEDERAL GOVERNMENT, FT DISTANCE FROM ROAD (ENTER DISTANCE AND CIRCLE APPROPRIATE BOX) 00 MUNICIPAL WATER SUPPLY 1 MIT 23 $v_{\mathcal{L}} = \sum_{i=1}^{n-1} \overline{T}$ 38.35 MUST HAVE STATE HEALTH DEPT. APPROVAL PRIVATE WATER COMPANY TO NEARBY P DRAW & SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION DAADS AND STREAMS WITH NORTH IN THE DIRECTION OF THE ARROW, AND GIVE DIS TANCE FROM WELL TO NEAREST ROAD JUNCTION OR STREAM CROSSING SHOWN ON TH Sketch, Also show, by means of an "X", the well location in the box below and the box number from the well location map. T TEST N APPROXIMATE DEPTH OF WELL FEET Ó APPROXIMATE DIAMETER OF WELL I INEAR T INCH! METHOD OF DRILLING USED ICINCLE APPROPRIATE METHOD BORED (OR AUGEREDI JETTED DRIVEN Well 10-87 AIR-ROTARY AIR-PERCUSSION ROTARY INVERAULIC ROTARY) CABLE REVERSE-ROTARY DRIVE-POINT risville OTHER (DESCRIDE) O REPLACEMENT OR DEEPENED WELLS (GIRCLE APPROPRIATE BOX) Rising 5., N ATHIS WELL WILL NOT REPLACE AN EXISTING WELL Calvert ¥ THIS WELL WILL REPLACE A WELL THAT WILL BE ASANDONED AND SEALED 5 THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY D THIS WELL WILL DEEPEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED ON DEEPENED (IF AVAIDABLE) 41 NOT TO BE FILLED IN BY DRILLER (WRA USE ONLY) APPROPRIATION DISTRICT 00 54 BOX NUMBER E. G ** Q С U WRITE INITIALS FORCE CONDITIONS 0/5 68 72 ** 5000 NORTH **B**4 HEALTH DEPARTMENT APPROVAL CONTINUED 2 (SEQ. NO.) Cecil STATE HEALTH 5 COUNTY NO. 41 COUNTY NAME 1060000 COORDINATE MO. DAY 58 59 60 61 62 63 87 041974 DATE ELEVATION AT Well Head (Feet) 3/0 4. 43 WILL UNE ONLY SPECIAL CONDITIONS 8-45 85 11 1868, W7.2 140 FNTLE

-----THIS REPORT MUST BE SUBMITCED WITH STATE OF MARYLAND WATER RESOURCES ADMINISTRATION SEQUENCE NO 30 DAYS AFTER WELL LOMPLETION 1940 Ċ 11 FILL IN THIS FORM COMPLETELY TAWES STATE OFFICE BLDG., ANNAPOLIS, MD. 21401. SEQ. NO. . ŝ COUNTS THIS NUMBER IS TO BE PUNCHED IN COLS, 3-6 ON ALL CARDS) WELL COMPLETION REPORT ø NUMBER DEPTH OF WELL PERMIT NO. PROM "PERMIT TODRILL WELL" DATE RECEIVED
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 1FICATION NO.
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 MA 20 26 22 TO NEAREST FOOT 052974 05 DRILLERS IDENTIFICATION NO. D Q 8+13 0 É N Sen e C ham OWNER R mo n POST OFFICE 1200 STREET OR RFD WELL DESCRIPTION С З GROUTING RECORD WELL LOG NO ES WELL HAS BEEN GROUTED (CIRCLE APPROPRIATE BOX) STATE THE KIND OF FORMATIONS PENETRATED, THEIR Color, Depth, Thickness and if water bearing NG 44 () (SEQ. NO.) 3 ¥ PUMPING TEST DE-ENDETING MATERIAL (CIRCLE BOX) DESCRIPTION (USE ADDITIONAL SHEETS IF NECESSARY) FEET Ô CHECK IF DENTONITE CLAY BC FROM 70 CM HOURS PUMPED (TO NEAREST HOUR) CC ME Clay 6 0 PUMPING RATE (GALLONS PER MINUTE TO NEAREST GALLON) NO. OF BAGS NO. OF POINDS 15 Sand 50 6 20 GALLONS OF WATER METHOD USED TO MEASURE FUMPING HATE ROTAL DEPTH OF GROUT SEAL (TO REAREST FOOT) 68 Sanda Gravel 50 WATER LEVEL: DISTANCE FROM LAND SURFACES 25 FROM BEFORE 58 48 52 IENTER O IF FROM SUNFACES 68 80 17 Granite 28 5 1 (NEAREST CASING RECORD CASING WHEN 22 CO INSERT TYPE OF PUMPED USED (CIRCLE APPROPRIATE BOX) APPROPRIATE CUDE т P BELOW PISTON TURBINE PL OT 27 27 12 OTHER O INESCRIBE RENTARY C CENTRIFUGAL BELOWI 27 NOMINAL DIAMETER TOP (MAIN) CASING (NEAREST INCH) 27 27 TOTAL DEPTH MAIN CASING OF MAIN CASING (NEAREST FOOT) S SUBMERSIBLE JJET 27 27 4 S 6 60 64 66 PUMP INSTALLED OTHER CASING UF USED! TYPE OF PUMP (WRITE APPROPRIATE LETTER IN BOX - SEE ABOVE: A, C, J, P, R, S, T, O) DIAMETER (INCH) DEPTH (FEET) Ê C A C DRILLER WILL INSTALL PUMP ¥ N. (CIRCLE APPROPRIATE BOX) N G CAPACITY: 4 GALLONS PER MINUTE SCREEN RECORD 35 SCREEN TYPE 7 G: HO BR s T INSERT PUMP HORSE POWER À1 APPROPRIATE BRASS OPEN HOLE STEEL PUMP COLUMN LENGTH (NEAREST FOOT) CODE 43 47 BELOW от ΡL CASING HEIGHT (CIRCLE APPROPRIATE BOX AND ENTER CASING HEIGHT! OTHER PLASTIC + BOVE С 2 (HEAREST FOOT) LAND SURFACE -(SEQ. NO.) BELOW 2 6 DEPTH INEAREST WHOLE FOOT) 50 49 LDCATION OF WELL ON LOT SHOW PERMANENT STRUCTURE SUCH AS BUILDINGS, SEPTIC TANKS, AND/OR OTHER LAND MARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL). FROM EACH 80 0 r Mcc. loth lin & Ben ham CIRCLE APPROPRIATE BOXES 30 36 32 REEN 24 28 A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED Elec.Co 45 47 51 38 39 E ELECTRIC LOG OBTAINED SLOT SIZE 1. э, Shop P TEST WELL CONVERTED TO PRODUCTION WELL 10' (NEAREST INCH) DIAMETER OF SCREEN I HEREDY CERTIFY THAT I HAVE COMPLIED WITH ALL Conditions stated on the adove-captioned "permit to drill well", and that information contained in this report is true, accurate, and complete to the degt of my knowledge, information and 60 56 GRAVEL PACK 50⁶ IF WELL DRILLED WAS A 68 F SELIEF. FLOWING WELL CIRCLE BOX zwel DRILLERS NAME WHA USE ONLY (NOT TO BE FILLED IN BY DRILLER) THEATEMAURICE E. BROWNE Sons 16.8.0.5.1 70 74 75 76 OTHER DATA AVAILABLE Q. Brown TELEGECPE CASING ECG INDOLATOR IGNATERE D

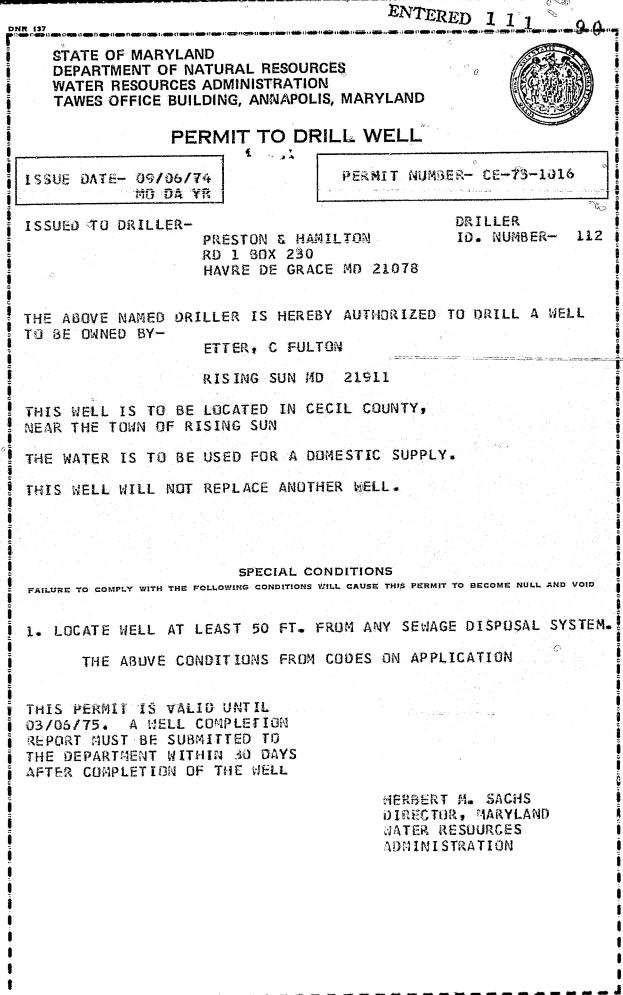
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BRERDENCY NO. (If my) -ANI-181 (7/73) WRA PERMIT NUMBER 3358 STATE OF MARYLAND 1 WATER RESOURCES ADMINISTRATION TAWES STATE OFFICE BLDG., ANNAPOLIS; MARY LAND 21401 CE-73-1006 . . . (SEQ. NO.) THIS NUMBER IS TO BE PUNCHED FILL IN THIS FORM COMPLETELY **APPLICATION FOR PERMIT TO DRILL WELL** A-5131 DATE RECEIVED 0/o Northern Building Corp. Gar7 At.am 8 OWNER T FIRST NAME COL. 34 COL 18 LAST NAME 098374 \$******** OR RFD COL. 88 COL 36 POST OFFICE Rising Sun, Md. 22917 1 COL. 75 COL B7 LOCATION OF WELL B 1 DRILLER INFORMATION 83 CONTINUED (SED. NO.) .1 . SED. NO. 0 2 Cecil . 0. COUNTY 8-21-74 LICENSE NUMBER LICENSE < 21 (CO NOT ABBREVIATE COUNTY NAME) 112 DATE 80 SUBDIVISION 42 23 Charles H. Hamilton, Jr. SECTION AST NAME 30 neltirs 46 Rising Sun NEAREST TOWNL SIGNATURE 79 Comellan MI MILES FROM TOWN (ENTER O IF IN TOWN) 76 77 78 **B** 2 WELL INFORMATION 0 BI4 DIRECTION FROM TOWN (SFO. NO.) ÷ 2 . 1 - 8 10 CIRCLE APPROPRIATE HOX MAXIMUM PUMPING RATE (GALLONS PER MINUTE) ISEO. NO. 2 3 12 E JAST N E NORTHEAST SE SOUTHEAST 1000 N NORTH AVERAGE DAILY QUANTITY NEEDED (GALLONS PERDAY) USE FOR WATER (CIRCLE APPROPRIATE BOX) N W NORTHWEST S W SOUTHWEST S SOUTH W WEST D HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) 9 B * 8 NEAR WHAT Stevens F FARMING, AGRICULTURE, IRRIGATION SOUTH O 30 11 NORTH EAST WEST ON WHICH SIDE OF ROAD s W E (CIRCLE APPROPRIATE BOX) N Q 32 1 INDUSTRIAL , COMMERCIAL, STATE AND FEDERAL GOVERNMENT. FT DISTANCE FROM ROAD (ENTER DISTANCE AND CIRCLE L APPROPRIATE BOX) 34 J MI M MUNICIPAL WATER SUPPLY Ĝ 18 39 MUST HAVE STATE HEALTH DEPT. APPROVAL IG 35 DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS, ROADS AND STREAMS WITH NORTH IN THE DIRECTION OF THE ARROW, AND LIVE DIS TANCE FROM WELL TO NEAREST ROAD JUNCTION OR STREAM CROSSING SHOWN ON THE SKETCH. ALSO SHOW, BY MEANS OF AN "X" THE WELL LOCATION IN THE BOX BELOW AND THE BOX NUMBER FROM THE WELL LOCATION MAP. AND LIVE DIS AND LIVE DIS AND LIVE DIS ATION IN THE BOX BELDW CALIFUR & Lotto CALIFUR & Lotto ELOW ELOW P PRIVATE WATER COMPANY 7 1. 8 TEST N 100 28 FEET By Pass APPROXIMATE DEPTH OF WELL APPROXIMATE DIAMETER OF WELL I INEAREST INCH) METHOD OF DRILLING USED (CIACLE APPROPRIATE MET N) BORED (OR AUGERED) JETTED DRIVEN BO-37 ATR-ROTARY AIR-PERCUSSION (ROTARY) MYDRAULIC ROTARY) CABLE REVERSE-ROTARY DRIVE-POINT Aller OTHER (DESCRIBE) REPLACEMENT OR DEEPENED WELLS (CIRCLE APPROPRIATE BOX) אן THIS WELL WILL NOT REPLACE AN EXISTING WELL Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED XX. THIS WELL WILL BERLACE & WELL THAY WILL BE USED AS & STANDBY Md 273 D THIS WELL WILL DEEPEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED ON DEEPENED (IF AVAILABLE) 41 NOT TO BE FILLED IN BY DRILLER (WRAUSE ONLY) ENGINEER REVIEW APPROPRIATION PERMIT NUMBER DISTRICT 84 65 BOX 60 63 G Q INITIALS FORCE CONDITIONS 0/8 67 68 70 71 72 73 74 85000 **B**4 HEALTH DEPARTMENT APPROVAL новти CONTINUED COORDINATE (SEQ. NO.) 2 2 Cecil CINCLE BOX! 5 COUNTY NO. HAME X A ST 1065000 an Q. Ju COORDINATE | MO. DAY 17 38 H9 60 61 62 64 0 8 2 9 74 DATE 43 44 47 48 ELEVATION AT Well Head (Fret) 0/0 \$/0 48 CONDITIONS B 5 (SEQ. NO.) ē 87 1 NYED FD 1 ORI

672 ONR 214 9/71 SEQUENCE NO THIS REPORT MUST BE SUBMITTED WITH-IN 30 DAYS AFTER WELL COMPLETION **STATE OF MARYLAND** 51 C 1 1 N WATER RESOURCES ADMINISTRATION FILL IN THIS FORM COMPLETELY (SEQ. 20.) TAWES STATE OFFICE BLDG., ANNAPOLIS, MD. 21401 7 - 5 1 THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CANDS) COUNTY WELL COMPLETION REPORT 45131 NUMBER DEPTH OF WELL DATE RECEIVED PERMIT NO. FROM "PERMIT TODRILL WELL" 28-74 -73-1006 90 CE 111874 22 TO NEAREST FOOT 29 30 31 32 33 34 35 36 37 25 28 090274 DRILLERS IDENTIFICATION NO. 112 (jr Inspir OWNER Klee POST OFFICE STREET OR RED WELL DESCRIPTION С 3 GROUTING RECORD WELL LOG NO STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING WELLHAS BEEN GROUTED (CINCLE APPROPRIATE BOX) 7 ä (SEO. NO.) OYL. N PUMPING TEST 44 DESCRIPTION (USE ADDITIONAL SHEETS IF NECESSARY) FEET TYPE OF GROUTING MATERIAL (CIRCLE BOX)" CHECK IF FROM TO 9 6 HOURS PUMPED ITO NEAREST HOURS BENTONITE CLAY AR AR PUMPING RATE (GALLONS PER MINUTE TO NEAREST GALLON) 27 NO. OF BAGS NO. OF POUNDS 15 P 25 clay mica shace GALLONS OF WATER 0 23 METHOD USED TO MEASURE PUMPING RATE une DEPTH OF GROUT SEAL (TO NEAREST FOOT) WATER LEVEL: (DISTANCE FROM LAND SURFACE) FT. TO _____ (NEAREST 50 e FROM 48 52 (ENTER O IF FROM SURFACE) 58 BEFORE (NEAREST CASING CASING RECORD WHEN 0 C O 22 INSERT ST TYPE OF PUMPED USED (CIRCLE APPROPRIATE BOX APPROPRIATE STEEL A IN CODE p) T BELOW PISTON TURBINE ОТ PL 27 PLASTI OTHER 11THE 4 0 c CENTRIFUGAL R ROTARY DESCRIBE BELOW) TOTAL DEPTH 27 27 27 MAIN NOMINAL DIAMETER TOP (MAIN) CASING CASING OF MAIN CANNE т зі ц (NEAREST INCH) S SUBMERSIBLE 27 27 Ó 50 6 60 61 84 66 70 PUMP INSTALLED OTHER CASING (IF USED) TYPE OF PUMP (WRITE APPROPRIATE LETTER IN BOX - SEE ABOVE: A, C, J, P, R, S, T, O) DEPTH (FEET) DIAMETER UNCH) CH 20 14 1 11. DRILLER WILL INSTALL PUMP (CIRCLE APPROPRIATE BOX) N ¥. \odot NG CAPACITY: 1 1.1 CALLONS PER MINUTE SCREEN RECORD 1 31 SCREEN TYPE 35 BR нο ST INSERT PUMP HORSE POWER APPROPRIATE 37 41 STEEL BRASS OPEN HOLE CODE PUMP COLUMN LENGTH (NEAREST FOOT) 43 BELOW 47 οΤ PL CASING HEIGHT (CIRCLE APPROPRIATE BOX AND ENTER CASING HEIGHT) PLASTIC OTHER + ADOVE Ċ 2 (NEAREST FOOT) LAND SURFACE 2 (SEQ. NO.) 6 DEPTH (NEAREST WHOLE FOOT) 1 BELOW 50 EACH LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURE SUCH AS BUILDINGS, SEPTIC TANKS, AND/ON OTHER LAND MARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL). Ť N 21 SOREER 32 CIRCLE APPROPRIATE BOXES 30 36 24 28 A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED 45 47 けのい 30 41 101 7.8 E ELECTRIC LOG COTAINED TOTSIZE 1. з, -> o Well 5Q' P TEST WELL CONVERTED TO PRODUCTION WELL S DIAMETER OF SCREEN (NEAREST INCH) I HEREBY CERTIFY THAT I HAVE COMPLIED WITH ALL CONDITIONS STATED ON THE ABOVE-CAPTIONED "PERMIT TO DRILL WELL", A 10 THAT INFORMATION CONTAINED IN THIS REPORT TO THUE, ACCURATE, AND COMPLETE YO THE BEST OF MAY KNOWLEDGE, INFORMATION AND 50 FROM C Spill GHAVEL PACK E. Taul IF WELL ORILLED WAS A 68 5 PLONENG AFER CIRCLE DOX BELICF DRILLENS NAME CHASE CHAS HAMILTON THE WRA USE ONLY (NOT TO BE FILLED IN BY DRILLENS AR. w q S.M. 0.0.V ſ 4 74 19 78 57-19 5819 12 :25

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4-13	OFFICE Rising Sun, Md. 21911		COL. 76
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DHR 214 9/71 THIS REPORT MUST BE SUBMITTED WITH-IN 30 DAYS AFTER WELL COMPLETION SEQUENCE NO. C C STATE OF MARYLAND 7686 1 WATER RESOURCES ADMINISTRATION FILL IN THIS FORM COMPLETELY TAWES STATE OFFICE BLDG., ANNAPOLIS, MD. 21401 SEQ. NO. - 2 2 . COUNTY THIS NUMBER IS TO BE PUNCHED IN COLS. 3-0 ON ALL CANDS? WELL COMPLETION REPORT NUMBER hans WELL" DEPTH OF WELL PERMIT NO. FROM ** PERMIT TO DRI DATE RECEIVED 10-2-74 CE-73-1016 105 110874 28 29 30 31 32 33 34 35 35 37 22 26 TO NEAREST FOOT 112 100274 DRILLERS IDENTIFICATION NO. 1 44 eta . ÷. OWNER ich POST OFFICE STREET OR RED WELL DESCRIPTION Ċ 3 GROUTING RECORD WELL LOG NO STATE THE KIND OF FORMATIONS PENETRATED, THEIR EDLOR, DEPTH, THICKNESS AND IF WATER BEARING WELL HAS BEEN GROUTED (CIRCLE APPROPRIATE BOX) 72 (SEO. NO.) 3 . Ð Y N PUMPING TEST 44 TYPE OF GROUTING MATERIAL DESCRIPTION (USE ADDITIONAL SHEETS IF NECESSARY) FEET (CIRCLE BOX)" CHECK IF CT M BC τó FROM BENTONITE CLAY HOURS PUMPED (TO NEAREST HOUR) CEMENT 45 46 0 PUMPING RATE GALLONS FER MINUTE TO HEAREST GALLON NO. OF BAGS . NO. OF POUNDS mica soil o from shale as 15 Ð GALLONS OF WATER au METHOD USED TO MEASURE PUMPING RATE DEPTH OF GROUT SEAL (TO NEAREST FODT). WATER LEVEL: (DISTANCE FROM LAND SURFACE) 20 10. FROM I INEAREST FT. TO. FT. BEFORE IENTER O IF FROM SURFACE 58 CASING RECORD CASING INEAREST WHEN PUMPING 25 <u>م</u>م CONCRETE INSERT ST TYPE OF PUMPED USED ICINCLE APPROPRIATE BOX APPROPRIATE OR PUMPING TEST STEFL 6 . CODE AA P т TURBINE PISTON BELOW PL QΤ 27 OTHER PLASTIC NYUÉB C CENTRIFUGAL R ROTARY 0 (DESCRIBE BELOW) 8 NOMINAL DIAMETER TOP (MAIN) CADING (NEAREST INCH) 27 27 27 MAIN TOTAL DEPTH OF MAIN CASING (NEAREST FOOT) CASING J JET s SUBMERSIBLE 27 27 5 G 66 60 61 63 84 PUMP INSTALLED OTHER CASING (IF USED) DEPTH (FEET) FROM TYPE OF PUMP (WRITE APPROPRIATE LETTER IN BOX - SEE ABOVET A, C, J, P, R, S, T, O) DIAMETER (INCH) 30 ы 16 1.1 DRILLER WILL INSTALL PUMP (CIRCLE APPROPRIATE BOX) ¥ N 65 NG CAPACITY: GALLONS PER MINUTE (TO NEAREST GALLON) SCREEN RECORD 31 35 SCREEN TYPE ್ ಕ್ಷ ಕ್ಷೇಟ್ ಸ್ಮಾ но ST BR INSERT PUMP HORSE POWER 41 APPROPRIATE STEEL BRASS OPEN HOLE PUMP COLUMN LENGTH (Hearest foot) CODE 43 47 BELOW OT PL (CIRCLE APPROPRIATE BOX AND ENTER CASING HEIGHT) CASING HEIGHT PLASTIC OTHER + Above С 2 (NEAREST FOOT) I AND SUSPACE (SEQ. NO.) B DEPTH (NEAREST WHOLE FOOT) 2 3 Ł 1 ----BELOW 50 10 LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURE SUCH AS BUILDINGS, SEPTIC TANKS, AND/OR OTHER LAND MARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL). EACH يتشتريه V owell SCREEN CIRCLE APPROPRIATE BOXES 30 32 36 26 24 23 A WELL WAS ABANDONED AND SEALED WHEN THIS 47 51 49 48 30 E ELECTRIC LOG OBTAINED 3 з, SLOT SIZE 1. 100 P TEST WELL CONVERTED TO PRODUCTION WELL I (NEAREST INCH) DIAMETER OF SCREEN FROM Let I HEREBY GERTIFY THAT I HAVE COMPLIED WITH ALL CONDITIONS STATED ON THE ABOVE-CAPTIONED "PERMIT TO DRILL WELL", AND THAT INFORMATION CONTAINED IN THIS REPORT IS TRUE, ACCHARTE, AND COMPLETE TO THE BEGT OF MY KNOWLEDGE, INFORMATION AND GRAVEL PACK House IF WELL DRILLED WAS A 68 F BELIEF. FLOWING WELL CINCLE BOX DRILLERS NAME WRA USE ONLY (NOT TO BE FILLED IN BY DRILLER) BARADE CHAS. HAMILTON SIGNATURE Charles H. Ham ₩ q 74 75 76 OTPER DATA AVAILABILE 72 ¢ × . ies.Te ៥ ប៉ង្កី សាចរល៍តំ វល់អ

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DNR 137	
STATE OF MARYLAND DEPARTMENT OF NATURAL F WATER RESOURCES ADMINIST TAWES OFFICE BUILDING, AN PERMIT T	FRATION
ISSUE DATE- 02/19/75 MO DA YR	PERMIT NUMBER- CE-73-1125
5 BRINT	DRILLER PPD, C JR ID. NUMBER- 250 TON WAY,GLEN KYLE DE 19711
THE ABOVE NAMED DRILLER IS To be owned by-	S HEREBY AUTHORIZED TO DRILL A WELL

HOMESTEAD BLDRS INC BX 209E WRANGLE HILL BEAR DE 19701

THIS WELL IS TO BE LOCATED IN CECIL COUNTY, SUNRISE ESTS SUBDIVISION, SECTION- 1 , LOT- 8 NEAR THE TOWN DF RISING SUN \overline{O}

THE WATER IS TO BE USED FOR A DOMESTIC SUPPLY.

THIS WELL WILL NOT REPLACE ANOTHER WELL.

SPECIAL CONDITIONS

FAILURE TO COMPLY WITH THE FOLLOWING CONDITIONS WILL CAUSE THIS PERMIT TO BECOME NULL AND VOID

1. LOCATE WELL AT LEAST 50 FT. FROM ANY SEWAGE DISPOSAL SYSTEM,

PAT NOV

THE ABOVE CONDITIONS FROM CODES ON APPLICATION

THIS PERMIT IS VALID UNTIL 08/19/75. A WELL COMPLETION REPORT MUST BE SUBMITTED TO THE DEPARTMENT WITHIN 30 DAYS AFTER COMPLETION OF THE WELL

HERBERT M. SACHS DIRECTOR, MARYLAND WATER RESOURCES ADMINISTRATION

ENTERED 113

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EMERGENCY NO. (If any) -ONR-131 (7/73) SEQUENCE NO WRA PERMIT NUMBER STATE OF MARYLAND в 1 1674 WATER RESOURCES ADMINISTRATION ス 1 2 3 (PEQ. HO.) 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 OH ALL CARDS) TAWES STATE OFFICE BLDG., ANNAPOLIS; MARYLAND 21401 مين **APPLICATION FOR PERMIT TO DRILL WELL** FILL IN THIS FORM COMPLETELY DATE RECEIVED 0 OWNER FIRST HAME COL 15 LAS + hin 021875 に見 STREET OR RFD COL 36 COL. B POST OFFICE L COL. 75 B B3 1 DRILLER INFORMATION LOCATION OF WELL CONTINUED (SEQ. HO.) ĩ (SEO. NO. 3 2 COUNTY 21 (DO ARBREVIATE COUNTY HAME! المطر SUBDIVISION 42 SECTION 50 48 NEAREST TOWN 71 SIGNATURE MIT MILES FROM TOWN (ENTER O IF IN TOWN) 78 77 78 B 2 WELL INFORMATION B 4 DIRECTION FROM TOWN (CIRCLE APPROPRIATE BOX) (SEQ. NO.) ۲ MAXIMUM PUMPING RATE (SALLONS PER MINUTE) 2 1 3 SEQ. NO. 12 б N E NORTHEAST SE SOUTHEAST N NORTH AVERAGE DAILY QUANTITY NEEDED (GALLONS PERDAY) USE FOR WATER (CIRCLE APPROPRIATE BOX) S W SOUTHWEST S SOUTH w W N NORTHWEST WEST D HOME (SINGLE ON DOUBLE HOUSEHOLD UNIT ONLY) NEAR WHAT F FARMING, AGRICULTURE, IRRIGATION 11 SOUTH EAST ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) E 32 W 5 N INDUSTRIAL , COMMERCIAL, STATE AND FEDERAL GOVERNMENT. FT DISTANCE FROM ROAD (ENTER DISTANCE AND CIRCLE APPROPRIATE BOX) 14 MUNICIPAL WATER SUPPLY MI. 34 37 3839 MUST HAVE STATE HEALTH DEPT. APPROVAL DRAW A SKETCH BELOW SHOWINGLOCATION OF WELL IN RELATION OF HEAREY TOWNS ROADS AND STREAMS WITH NORTH IN THE DIRECTION OF THE ARROW, AND GIVE DIS TANCE FROM WELL TO NEAREST ROAD JUNCTION OR STREAM CROSSING SHOWN ON THE SKETCH, ALSO SHOW, BY MEANS OF AN "X" THE WELL LOCATION IN THE BOX BELOW AND THE BOX NUMBER FROM THE WELL LOCATION MAP. . PRIVATE WATER COMPANY T TEST N 28 FEET APPROXIMATE DEPTH OF WELL ma.2>3 APPENVILLATE DIAMETED OF WELL 4 (NEAREST-INCH) 1 METHOD OF DRILLING USED (CIRCLE APPROPRIATE METHOD) DRIVEN BORED (OR AUSERED) JETTED 5 ATR-PERCUSSION , ROTARY (HYDRAULIC ROTARY) 10-37 AIR-ROTARY CABLE REVERSE-ROTARY DRIVE-POINT OTHER DESCRIBE! REPLACEMENT OR DEEPENED WELLS (CIRCLE APPROPRIATE BOX) IN THIS WELL WILL NOT REPLACE AN EXISTING WELL Ö Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED '. Jyy S THIS WELL WILL REPLACE & WELL THAT WILL BE USED AS A STANDBY D THIS WELL WILL DEEPEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPENED (IF AVAILABLE) 41 X NOT TO BE FILLED IN BY DRILLER (WAA USE ONLY) TNGINEER APPROPRIATION PERMIT HUMBER 61 BOX NUMBER Z Ø Á N c L U WRITE INITIALS IN BOX FORCE CONDITIONS 0/8 5/5 77 72 73 74 78 87 88 757000 64 HEALTH DEPARTMENT APPROVAL NORTH COOMDINATE CONTINUED 2 ISTO. BO. 1 80 S1 32 58 54 55 1 Cecil STATE HEALTH AST BORD HATE 1065000 13 COUNTY MAME COUNTY NO. 48 MÖ. 0 A 3 1-3 2 1 1 FFFGARION AT Well Head (Feer) ************ **3** (**0** 41 41 ONLY -----5 11 Ĩ . istq. us. **

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DNR 214 0/71 THIS REPORT MUST BE SUBMITTED WITH-IN 30 DAYS AFTER WELL COMPLETION SEQUENCE NO 2516 **STATE OF MARYLAND** С 1 WHA USE ONLY а; WATER RESOURCES ADMINISTRATION FILL IN THIS FORM COMPLETELY ž (SEQ. NO.) . TAWES STATE OFFICE BLDG., ANNAPOLIS, MD. 21401 THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS COUNTY WELL COMPLETION REPORT A_ NUMBER DEPTH OF WELL DATE RECEIVED PERMIT NO. FROM "PERMIT TO DRIL 0.5 WE'S 1 * MA-123 87 B 5 061576 22 TO NEAREST FOOT 26 28 29 30 31 32 33 35 العبية DRILLERS IDENTIFICATION NO. 8-13 Bin me OWNER ST NAM 70 STREET OR RED 50 POST OFFICE WELL DESCRIPTION С 3 WELL LOG GROUTING RECORD . . NÖ STATE THE KIND OF FORMATIONS PENETRATED, THE Color, Depth, Thickness and IF water bearing THEIR WELL HAS BEEN GROUTED (CIRCLE APPROPRIATE BOX) (SEQ. NO.) 3 Э N PUMPING TEST 11 DESCRIPTION USE ADDITIONAL SHEETS FEET TYPE OF GOUTING MATERIAL CIRCLE CHECK IF BOX)* FROM тο М BENTONITE CLAY BC lc. CEMENT HOURS PUMPED (TO NEAREST HOUR) 45 46 topsoil shale ziazgranite PUMPING RATE ð NO. OF BAGS UF POUNDS 5 NÓ GALLONS PER MINUTE TO NEAREST GALLON) 1.8 :0 23 GALLUNS OF WATER METHOD USED TO MEASURE PUMPING RAT 35 DEPTH OF GROUT SEAL (TO NEAREST FOOT) WATER LEVEL: (OISTANCE FROM LAND SURFACE) 0 ET. TO FROM BEFORE NEAREST 2 20 48 52 (ENTER O IF FROM SURFACE) 58 35 5 Z CASING CASING RECORD J NEAREST WHEN 22 25 INSERT CONCRETE TYPE OF PUMPED USED (CIRCLE APPROPRIATE BOX) (FOR PUMPING TEST) APPROPRIATE CODE (A)IR T BELOW P PISTON. TURBINE PL ΟΤ 27 27 PLASTIC OTHER OTHER (DESCRIBE R ROTARY 0 C CENTRIEUGAL BELOW) NOMINAL DIAMETER TOP (MAIN) CASING (NEAREST INCH) MAIN TOTAL DEPTH 27 27 27 CASING OF MAIN CASING T JL L s SUBMERSIBLE 27 27 0 64 60 63 66 PUMP INSTALLED TYPE OF PUMP WRITE APPROPRIATE LETT BOX - SEE ABOVE: A, C, J, P, R, S, T, O) OTHER CASING (IF USED) DIAMETER (INCH) DEPTH (FEET) H FROM 70 20 Jι đ ٦Ĺ 19 DRILLER WILL INSTALL PUMP Y N [CIRCLE APPROPRIATE BOX] NG CAPACITY: 1 1 1-1 GALLONS PER MINUTE SCREEN RECORD SCREEN TYPE 35 ST н о BR INSERT PUMP HORSE POWER APPROPRIATE 41 37 STEEL OR BRONZE CODE PUMP COLUMN LENGTH (Nearest Foot) BELOW 43 47 OT PL CASING HEIGHT (CIRCLE APPROPRIATE BOX AND ENTER CASING HEIGHT) OTHER PLASTIC T+NROVE С 2 LAND AURFACE (NEAREST FOOT) 1 2 (SED. NO.) *****3 ñ BELOW DEPTH (NEAREST WHOLE POOT) 50 EACH LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURE SUCH AS BUILDINGS, SEPTIC TANKS, AND/OR OTHER LAND MARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL). Z N S_ CIRCLE APPROPRIATE BOXES 32 sing REEZ 36 23 24 26 30 A WELL WAS ABANDONED AND SEALED WHEN THIS 273 md. 45 47 31 38 39 E ELECTRIC LOG ODTAINED SLOT SIZE 1, 2. з. P TEST WELL CONVERTED TO FREDUCTION WELL (NEAREST INCH) DIAMETER OF SCREEN LIST HEREBY CERTIFY THAT I HAVE COMPLIED WITH ALL I NEREBY CERTIFY THAT I HAVE COMPLIED WITH ALL CONDITIONS STATED ON THE ABOVE-CAPTIONED "PERMIT TO SMOL WELL", AND THAT INFORMATION GONFAINED IN THIS REPORT IS TRUE, ACCURATE, AND COMPLETE TO SHE BEOT OF MY ENGWLEDGC, INFORMATION AND 56 FROM 60 TO GRAVEL PACK L IF WELL DRILLED WAS A BET.SEF. 68 F FLOWING WELL CIRCLE BOX 2nd . 279 ONSLLEND NAME WRA USE ONLY (NOT TO BE FILLED IN BY CHILLER) "Constantine Difilips w o (c.<u>n.n.</u>o.) 70 22 74 75 76 07478 7878

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STATE OF MARYLAND	•
DEPARTMENT OF NATURAL RESOL	JRCES
WATER RESOURCES ADMINISTRAT	
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PERMIT TO DRILL WELL

ISSUE DATE- 05/22/78 MO DA YR

PERMIT NUMBER- CE-73-2537

ISSUED TO DRILLER-

DIFILIPPO, C JR 5 BRINTON WAY,GLEN KYLE NEWARK DE 19711 DRILLER ID. NUMBER- 250

THE ABOVE NAMED DRILLER IS HEREBY AUTHORIZED TO DRILL A WELL TO BE OWNED BY-

GRAYBEAL, PAUL E US RT 1 RISING SUN MD 21921

THIS WELL IS TO BE LOCATED IN CECIL COUNTY, NEAR THE TOWN OF RISING SUN

THE WATER IS TO BE USED FOR A DOMESTIC SUPPLY.

THIS WELL WILL NOT REPLACE ANOTHER WELL.

SPECIAL CONDITIONS

FAILURE TO COMPLY WITH THE FOLLOWING CONDITIONS WILL CAUSE THIS PERMIT TO BECOME NULL AND VOID.

1. LOCATE WELL AT LEAST 50 FT. FROM ANY SEWAGE DISPOSAL SYSTEM.

THE ABOVE CONDITIONS FROM CODES ON APPLICATION

THIS PERMIT IS VALID UNTIL 11/22/78. A WELL COMPLETION REPORT MUST BE SUBMITTED TO THE ADMINISTRATION WITHIN 30 DAYS AFTER COMPLETION OF THE WELL

> HERBERT M. SACHS DIRECTOR, MARYLAND WATER RESOURCES ADMINISTRATION

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EMERGENCY NO. (If ony) -******* (7/73) SEQUENCE NO STATE OF MARYLAND 8191 B ŧ WRA PERMIT NUMBER WATER RESOURCES ADMINISTRATION TAWES STATE OFFICE BLDG., ANNAPOLIS, MARYLAND 21401 . 2 (###+ HO.) THIS NUMBER IN TO BE PUNCHED IN COLS. S-& ON ALL CARDS) APPLICATION FOR PERMIT TO DRILL WELL FILL IN THIS FORM COMPLETELY DATE RECEIVED OLD G R 20 ξ OWNER 1 CO1 18 FIRST NAME COL. MA MAY 22 1978 OR RFD COL 36 COL. 85 SWN POST COL 57 COL. 76 B 1 CONTINUES DRILLER INFORMATION B 3 LOCATION OF WELL 2 . * ISEC. NO.1 COUNTY LICENSE TOO NOT ABBREVIATE COUNTY NAME! 21 SUBDIVISION 42 GONSTA SECTION 48 50 NEAREST TOW UM lanters SIGNATURE (MIP) MILES FROM TOWN LENTER O IF IN TOWNI 812 WELL INFORMATION 76 77 78 t Z 3 (SEQ. NO.) 8:4 ň DIRECTION FROM TOWN 8 MAXIMUM PUMPING RATE IGALLONS PER MINUTE) 2 3 SED. NO. 12 AVERAGE DAILY QUANTITY NEEDED (GALLONS PERDAY) <u>ନି ଶ</u>୍ଚ ଅ N NORTH . N E NORTHEAST SE SOUTHEAST (E) USE FOR WATER ICIACLE APPROPRIATE BOX) รี รอบาห w N W NORTHWEST S W SOUTHWEST WEST OF HOME LAINELE OR DOUBLE HOUSEHOLD UNIT ONLY! NEAR WHAT F FARMINS, ACRICULTURE, IRRIGATION FAST WEDT 30 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) W 32 N s E 32 11 INDUSTRIAL , COMMERCIAL, STATE AND FEDERAL GOVERNMENT. (FI) DISTANCE FROM RDAD ENTER DISTANCE AND CIRCLE APPROPRIATE BOXI MUNICIPAL WATER SUPPLY M 34 MUST HAVE STATE HEALTH DEFT. APPROVAL Σ_{i} 3839 DRAW & SKETCHBELOW SHOWINGLOCATION OF WELL IN RELATION TO NEARBY TOWNS, ROADS AND STREAMS WITH NORTH IN THE DIRECTION OF THE ARROW, AND EVER DIS-TANCE FROM WELL TO NEAREST ROAD JUNCTION OR STREAM CROSSING SHOWN ON THE SKETCH.ALSO SHOW, BY MEANS OF AN "X'". THE WELL LOCATION IN THE BOX BELOW, AND THE BOX NUMBER FROM THE WELL LOCATION MAP. P PRIVATE WATER COMPANY T TEST 100 N APPROXIMATE DEPTH OF WELL FEET APPROXIMATE DIAMETER OF WELL (NEAREST INCH) METHOD OF DRILLING USED (CIRCLE APPROPRIATE METHOD) BORED IOR AUGERED) JETTED DRIVEN 30-37 ATR-ROTARY AIR-PERCUSSION 8 Jan ROTARY INVERAULIC ROTARY CABLE REVERSE-ROTARY DRIVE-POINT OTHER (DESCRIBE) REPLACEMENT OR DEEPENED WELLS ICINCLE APPROPRIATE BOX1 N THIS WELL WILL NOT REPLACE AN EXISTING WELL THIS WELL WILL REPLACE & WELL THAT WILL BE ABANDONED AND SEALED Y 15 | THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY D THIS WELL WILL DEEPEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED ON DEEPENED (IF AVAILABLE) 41 NOT TO BE FILLED IN BY DRILLER THAN USE COLUMN APPROPRIATION PERMIT NUMBER ENGINEER REVIEW DISTRICT 70. 63 660 BOX E 5 w ö С U NUMBER WRITE INITIALS FORCE CONDITIONS U 680 0/5 #1 71 72 73 74 75 76 B 4 CONTINUED HEALTH DEPARTMENT APPROVAL NORTH 680CER COONDINATE 1 2 (SEQ. NO.) 3 Cecil 51 52 59 54 35 GINCLE HEALTH 41 : 5 COUNTY NAME COUNTY NO. EAST MO. DAY LCORD:NATE Itm. U. Jummer 57 KA CATE 0 5 1 9 7 10 × 8 APPRCUED BY GLEVATION AT WELG NEAD (PEET) # 11 #13 05 00 07 65 3:0 DFELLAL CONTERCOD 8-03 WAA USE CNING 1 10 1 . 363. 60

DHR 214 17 771 BEQUENCE NO 0338 STATE OF MABYLAND THIS REPORT MUST BE COMMITTED WITH С 1 MIRAUSE ONLY) IN 30 DAYS AFTER WELL COMPLETION WATER RESOURCES ADMINISTRATION 2 5 (BEQ. NO.) Ā TAWES STATE OFFICE BLDG., ANNAPOLIS, MD. 21401 FILL IN THIS FORM COMPLETELY THIS NUMBER IS TO BE PUNCHED WELL COMPLETION REPORT COUNTY t DATE RECEIVED DEPTH OF WELL 7 ٨ 100 091378 33 TO NEAREST FOOT 26 30 31 25 34 3 agi 1718 DRILLERS IDENTIFICATION NO. PAU OWNER POST OFFICE RIST 80 NG STREET OF HED WELL DESCRIPTION WELL LOG GROUTING RECORD C 3 ню STATE THE KIND OF FORMATIONS PENETRATED, THEIR Color, Depth, Thickness and if water bearing WELL HAS BEEN GROUTED CIRCLE APPROPRIATE BOX! 2 N з ISEQ. NO. PUMPING TEST 44 FEET DESCRIPTION IUSE ADDITIONAL SHEETS TYPE OF TRUITING MATERIAL (CIRCLE BOX) CHECK IF FRGM TO BENTONITE CLAY BC CEMENT HOURS PUMPED (TO NEAREST HOUR) 45 46 tinsont Ô 10 1000 /0 PUMPING RATE GALLONS PER MINUTE TO NEAREST GALLON! NO. OF BAGS NO. OF POUNTS novel 10 40 15 GALLONS OF WATER METHOD USED TO MEASURE PUMPING RATE ALA STOP WATCH 80 40 DEPTH OF GROUT SEAL (TO NEAREST FOOT) granite WATER LEVELT (DISTANCE FROM LAND SURFACE) FT, TO _____ 82 6 S & LI INEAREST FROM BEFORE PUMPING 48 52 (ENTER O IF FROM SURFACE) 58 CASING TYPES CASING RECORD 80 WHEN UNEAREST 82100 PUMPTHG 25 ड ने INSERT CO TYPE OF PUMPED USED ICIRCLE APPROPRIATE BOX APPROPRIATE CODE BELOW PISTON T TURGINE от PL 27 27 OTHER O OTHER C CENTRIFUGAL R ROTARY MÅIN NOMINAL DIAMETER TOP IMAINICASING (NEAREST INCH) TOTAL DEPTH OF MAIN CASING (NEAREST FOOT) BELOWA 27 72 27 CASING J ZET S SUBMERSIBLE 27 27 02 0 JL 60 61 63 ñΔ 66 PUMP INSTALLED OTHER CASING (IF USED) EACH TYPE OF PUMP WRITE APPROPRIATE LETTER IN BOX - SEE ABOVE: A. C. J. P. R. S. T. O) DEPTH (FEET) FROM TO DIAMETER (INCH) CAS L 11 DRILLER WILL INSTALL DUMP Y ING Í N (CIRCLE APPROPRIATE CAPACITY: GALLONS PER MINUTE (TO NEAREST GALLON) SCREEN RECORD SCREEN TYPE <u>L</u> 35 HO ST BR INSERT PUMP HORSE POWER AFPROPRIATE OR BRONZE STEEL 37 41 CODE PUMP COLUMN LENGTH 43 BELOW ΟΤ 47 PL CIRCLE APPROPRIATE BOX AND ENTER CASING HEIGHT CASING HEIGHT PLASTIC OTHER () JOVE C 2 INE AREST LAND SURFACE DEPTH INCAREST WHOLE FOOT 2 BELOW 50 AG EACH FROL LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURE SUCH AS BUILDINGS. SEPTIC TANKS, AND 'OR OTHER LAND MARKS AND INDICATE HOT LESS THAN TWO DISTANCES IMEASUREMENTS TO WELL'. NOREEN CIRCLE APPROPRIATE BOXES 30 32 23 24 28 36 A A WELL WAD ADANCENED AND SEALED WHEN THES 45 47 4: 38 39 E BLEATRIC LOG OBTAINED 3 P33557 WELL CONVERTED TO FREDUCTION WELL D.ADETER CT SCREEN L HEREDY CERTIFIC THAT & HAVE COMPLUE WITH ALL HEREDY CERTIFIC THAT & HAVE COMPLUE WITH ALL UNCOTONES STATES ON THE BOOM STATEMENT DEC. WELL MAD THAT HEREMATICH COMPANY MINT ME OFFICE THE AND THAT HEREMANICH AND LEP. 1 scaper* ups 273 roly and the second second second second second GD D.E ્ય CACC ----teringin a se مع مصبحات مصطفرت با الامة - التر ما الد مع مسبح المتريسينية - ا P WELL CRELCED WAR A . t P. 200 29 . (P NAME F. STAG WELL L.D. L.C.N PH1 WRA USE CALV - NO" TO BE P LLED IN BY CA LLER. LEWIN Constantine Du Filippo 0 8-HAIP - 0 Construction the Fitype L.C. 1 2 2 0.0 ۵n

STATE OF MARYLAND DEPARTMENT OF NATURAL RESOURCES > WATER RESOURCES ADMINISTRATION TAWES OFFICE BUILDING, ANNAPOLIS, MARYLAND PERMIT TO DRILL WELL ISSUE DATE- 12/19/79 PERMIT NUMBER- CE-73-3262 MO DA YR ISSUED TO DRILLER-DRILLEP PRESTON & HAMILTON ID. NUMBER-112 115 N PARADISE HAVRE DE GRACE MD 21078 THE ABOVE NAMED DRILLER IS HEREBY AUTHORIZED TO DRILL A WELL TO BE OWNED BY-SUNNY SIDE MARKET 454 TELEGRAPH RD RISING SUN MD 21911 THIS WELL IS TO PE LOCATED IN CECIL COUNTY, NEAR THE TOWN OF RISING SUN THE WATER IS TO BE USED FOR A COMMERCIAL/INDUSTRIAL SUPPLY. THIS WELL WILL REPLACE A WELL WHICH WILL BE ABANDONED & SEALED. SPECIAL CONDITIONS FAILURE TO COMPLY WITH THE FOLLOWING CONDITIONS WILL CAUSE THIS PERMIT TO BECOME NULL AND VOID. PROVIDE OPENING FOR TAPE MEASUREMENT OF WATER LEVELS (MIN. INSIDE DIAM. OF ONE-HALF INCH) SEALED BY REMOVABLE CAP/PLUG. 1. 2. A TAP FOR RAW WATER SAMPLES MUST BE PLACED BEFORE WATER ENTERS A TREATMENT FACILITY, PRESSURE DR STORAGE TANK. 3. LOCATE WELL AT LEAST 50 FT. FROM ANY SEWAGE DISPOSAL SYSTEM. Salar Salar THE ABOVE CONDITIONS FROM CODES ON APPLICATION GROUNDWATER APPROPRIATION PERMIT NUMBER- CE79GAP025 THIS PERMIT IS VALID UNTIL 06/19/80. A WELL COMPLETION REPORT MUST BE SUBMITTED TO THE ADMINISTRATION WITHIN 30 DAYS AFTER COMPLETION OF THE WELL an in the second THOMAS C. ANDREWS DIRECTOR, MARYLAND WATER RESOURCES ADMINISTRATION

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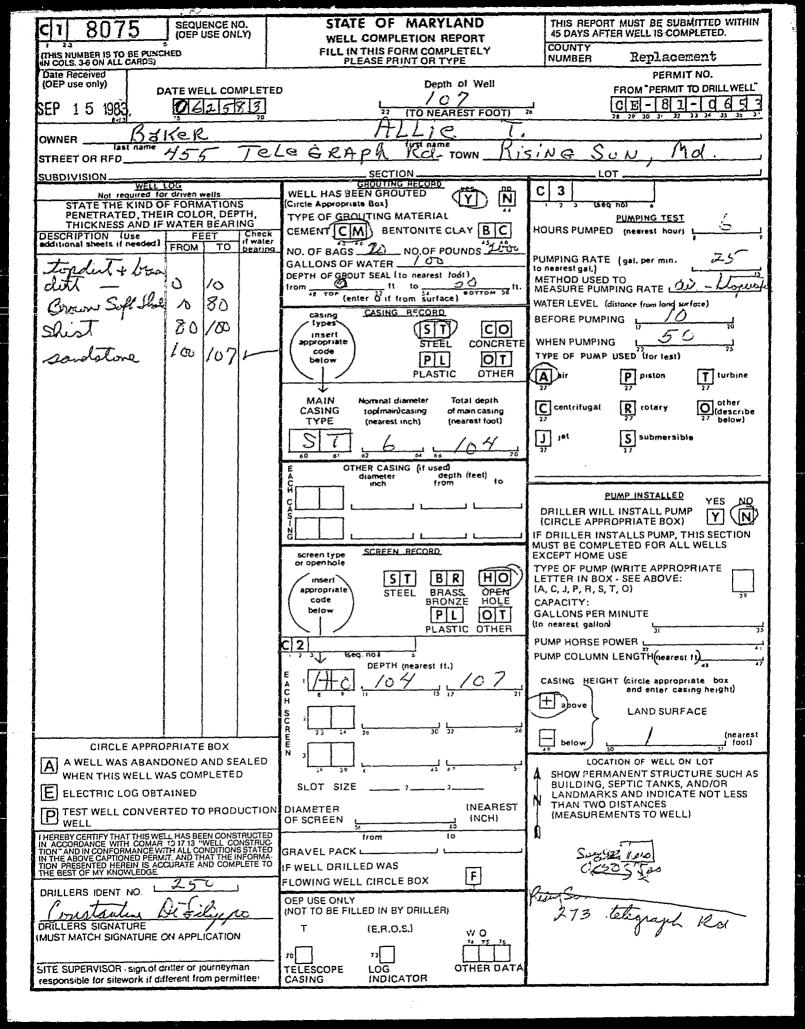
181 17 771 · · . @ EMERGENCY NO. (If any) -SEQUENCE NO. 10 730 1 5 STATE-OF MARYLAND WRA PERMIT NUMBER WATER RESOURCES ADMINISTRATION CE-73-3262 (SEQ. HO.) 2 3 TAWES STATE OFFICE BLDG., ANNAPOLIS; MARYLAND 21401 15 STHIS NUMBER IS TO BE PUNCHED APPLICATION FOR PERMIT TO DRILL WELL IN COLS. 315 ON ALL SANDS) FILL IN THIS FORM COMPLETELY UEU TITI REPLACEMENT SUNNY SIDE MARKET Reigh-Carpenter. OWNER 新算法 83 COL 15 LAST NAME FIRST HAME COL. 34 G Ø 454 Telegraph Road STREET DEC 14 1079 COL 36 COL. 85 OFFICE Rising Sun, MD 21911 8213 COL. 76 BII CONTINUED DRILLER INFORMATION 8 3 LOCATION OF WELL (SEQ. HO.) ġ 1 2 2 ISED. NO.1 0 Ŀ COUNTY LICENSE NUMBER <u>11-16-79</u> DATE I 112 IDO NOT ABBREVIATE COUNTY NAME! 21 **ت**ه 80 SUBDIVISION 60 Charles H Hamilton, Jr. SECTION LOT FIRST NAME LAST NAME 48 50 NEAREST TOWN SIGNATURE L anulla 71 MI MALES FROM TOWN LENTER O IF IN TOWN 82 WELL INFORMATION 76 77 78 B 4 2 1 (SEO. NO.) 10 DIRECTION FROM TOWN (CIRCLE APPROPRIATE BOX) MAXIMUM PUMPING RATE (GALLONS PER MINUTE) tern. 100 ([E] AVERAGE DAILY QUANTITY NEEDED (GALLOW PERDAY) NHORTH N E NORTHEAST SE SOUTHEAST USE FOR WATER (CIRCLE APPROPRIATE BOX) £ S SOUTH w W NORTHWEST S W SOUTHWEST WEST N A DOWE (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) NEAR WHAT F PARMING, AGRICULTURE, IRRIGATION 11 EAS WEST 30 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BO) S 32 E 32 N W 1 INDUSTRIAL , COMMERCIAL, STATE AND FEDERAL GOVERNMENT. FT DISTANCE FROM ROAD (ENTER DISTANCE AND CIRCLE L APPROPRIATE BOX) 34 M MUNICIPAL WATER SUPPLY 2 00 MI MUST HAVE STATE HEALTH DEPT. APPROVAL 3839 P PRIVATE WATER COMPANY DRAW A SKETCHBELOW SKOWING LOCATION OF WELL IN RELATION TO NEARBY TOWN DAAD A SALLAFBLOW SKITHALUGATION OF MELL IN RELATION IN NEARDY 10783 Roads and streams with North in the Direction of the Arrow, and give Dis-tance from well to nearest road junction or stream crossing shown of the T TEST SKETCH. ALSO SHOW. BY MEANS OF AN THE WELL LOCATION IN THE AND Well goes back of store 100'or more up on the side of tutte. APPROXIMATE DEPTH OF WELL 28 FEET APPROXIMATE DIAMETER OF WELL 0 I (HEAREST INCH) METHOD OF DRILLING USED (CIRCLE APPROPRIATE METHOD) BORED (OR AUGERED) JETTED DRIVEN & WUI 30-37 AIR-ROTARY AIR-PERCUSSION C ROTARY HYDRAULIC ROTARY CABLE REVERSE-ROTARY DRIVE-POINT OTHER (DESCRIBE) MAN REPLACEMENT OR DEEPENED WELLS (CIRCLE APPROPRIATE BOX) N THIS WELL WILL NOT REPLACE AN EXISTING WELL Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED 5 THIS WELL WILL REPLACE A WELL THAT WILL BE USED IS A STANDBY D THIS WELL WILL DEEPEH AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPENED (IF AVAILABLE) 41 NOT TO BE FILLED IN BY DRILLER (WRA USE ONLY) AZAMIT NUMSEA UEN964P10125 ENGINEER REVIEW DISTRICT BOX A.E G W 312 £ت Ċ. ÷. Ŭ NUMBER FORCE CPINITIALS CONDITIONS Ū MW 0/8 5/5 67 B 4 HEALTH DEPARTMENT APPROVAL CONTINUED NORTH Plau 16 COORDINATE (SEQ. NO.) 51 52 53 54 55 50 Cecil CTATE HEALTH 5 41. COUNTY NAME COUNTY NO. EAST 107 $\boldsymbol{\varpi}$ MO. DAY X/m.a 0 COORDINATE DATE 1126 summer 78 87 Ø 101 62 63 APPROVED BY ELEVATION AT WELL HEAD (FEET) 65 48 43 5/0 CONDITIONS 8-05 SPECIAI ONLY **B** 5 (WHI A (SEQ. NO.) 63

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214 17-771 \mathcal{O} SEQUENCE NO. THIS REPORT MUST BE SUBMITTED WITH-IN 30 DAYS AFTER WELL LUMPLETION STATE OF MARYLAND G Í 2289 WATER RESOURCES ADMINISTRATION TAWES STATE OFFICE BLDG., ANNAPOLIS, MD. 21401 ISCO. NO.) . 2 FILL IN THIS FORM COMPLETELY THIS NUMBER IS TO BE PUNCHED WELL COMPLETION REPORT COUNTY Alfel melt NUMBER DATE RECEIVED . . DEATH OF WELL 38-30 "PERMIT TODRILL WELL" PERMIT NO. FROM Ĝa CET-73-3262 WELL COMPLETED 1 JAN 23 1835 ATO NEAREST FOOT 26 28 29 30 31 32 33 34 35 36 37 ন্থ্যাপ্পত DRILLERS IDENTIFICATION NO. OWNER TINST NAME len STREET OR RED un POST OFFICE WELL DESCRIPTION С WELL LOG GROUTING RECORD 3 STATE THE KIND OF FORMATIONS PENETRATED, THEIR Color, Depth, Thickness and IF water bearing WELL HAS BEEN GROUTED (CIRCLE APPROPRIATE BOX) **(**| Y 3 (SEC. NO.) Ň 44 PUMPING TEST USE ADDITIONAL SHEETS FFFT TYPE OF GROUTING MATERIAL (C CHECK IF BOXI FROM τò CM вС CF MES BENTONITE CLAY 7 HOURS PUMPED (TO NEAREST HOUR) 45 46 NO. OF POUNDS 600 PUMPING RATE GALLONS PER MINUTE TO NEAREST GALLON) NO. OF BAGS part part manite 3 GALLONS OF WATER METHOD USED TO MEASURE PUMPING RATE 75 0 DEPTH OF GROUT SEAL ITO NEAREST POOT WATER LEVEL: (DISTANCE FROM LAND SURFACE) FROM FT. TO 48 52 (ENTER O IF FROM SURFACE) BEFORE PUMPING I INEAREST 54 U 58 CASING CASING RECORD WHEN Pumping J (HEAREST INSERT CONCRETE 25 s T TYPE OF PUMPED USED (CINCLE APPROPRIATE BOX (FOR DUMPING TEST) APPROPRIATE STEEL CODE BELDW AAIR P т PISTON TURBINE PL ό τ 27 27 PLASTI OTHER OTHER OESCRIBE C R 0 CENTRIFUGAL ROTARY MAIN CASING TYPE BELOW NOMINAL DIAMETER TOTAL DEPTH 27 27 27 OF MAIN CASING INEAREST INCH) J. JET s SUBMERSIBLE 27 27 6 60 63 64 61 ** 70 PUMP INSTALLED OTHER CASING UF USED! EACH CAL TYPE OF PUMP WRITE APPROPRIATE LETTER IN DIAMETER (INCH) DEPTH (FEET) BOX - SEE ABOVE: A. C. J. P. R. S. T. O. J <u>I </u> 11 DRILLER WILL INSTALL PUMP N Y. [CIRCLE APPROPRIATE BOX] Ň CAPACITY: ΞÉ GALLONS PER MINUTE SCREEN RECORD SCREEN TYPE 35 но ST INSERT 8 8 PUMP HORSE POWER APPROPRIATE STEEL BRASS OPEN HOLE 37 41 CODE PUMP COLUMN LENGTH BELOW 43 47 PL от CASING HEIGHT (CIRCLE APPROPRIATE BOX AND ENTER CASING HEIGHT) PLASTIC OTHER + ABOVE C 2 (NEAREST LAND SURFACE (SEQ. NO.) 8 _____ DEPTH (NEAREST WHOLE FOOT) 2 93 Ť |_| BELOW 50 49 EACH LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURE SUCH AS BUILDINGS, SEPTIC TANKS, ANO/OR OTHER LAND MARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL]. 70 80 21 SURBER CIRCLE APPROPRIATE BOXES 30 32 23 24 36 · New wehle A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED 45 47 100 E ELECTRIC LDG OBTAINED **38** 39 41 51 b SLOT SIZE 1, . 2, з, Ľ P TEST WELL CONVERTED TO PRODUCTION WELL 60 (NEAREST INCH) X O Lowehh DIAMETER OF SCREEN I HEREBY CERTIFY THAT I HAVE COMPLIED WITH ALL CONDITIONS STATED ON THE ABOVE-CAPTIONED "PERMIT TO DRILL WELL", AND THAT INFORMATION CONTAINED IN THIS REPORT IS TRUE, ACCURATE, AND COMPLETE TO THE BEST DF MY KNOWLEDGE, INFORMATION AND E6 FROM TO Store GRAVEL PACK IF WELL DRILLED WAS A RELIEF. 68 F FLOWING WELL CIRCLE BOX ORILLERS NAME (PLEASE CHAS. HAMILTON WRA USE ONLY (NOT TO BE FILLED IN ST DRILLER) rwen (E.R.O.S.) w Q System 70 72 74 75 76 OTHER DATA TELESCOPE SIGNATURE LOG INDICATOR AVAILABLI

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B 1 1627 SEQUENCE NO. (OEP USE ONLY)	STATE OF	MARYLAND ERMIT TO DRILL WELL	OEP PERMIT NUMBER
(THIS NUMBER IS TO BE PUNCHED IN COLS. 36 ON ALL CARDS)		rint or type	⁷⁰ fill in this form completely ⁷⁹
Date Received 0 6 2 3 8 3 OWNER INFORM	ATION	BJ	LOCATION OF WELL
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DRILLER INFORMATIO		52 NEAREST TOWN MILES FROM TOWN (ento	
CONSTANTINE DIFILI	77 License No. ED	B 4	Mol. 273
ZZ35 BLUEGAN.P	E LIGHT M	DIRECTION OF WELL FROM TOWN (CIRCLE BOX)	11 NEAR WHAT ROAD 30
Signature	6 6-24/93 Date		ON WHICH SIDE OF ROAD
			SOUTH
ÁPPROX. PUMPING RATE (GAL. PER MIN.)	12		
USE FOR WATER (CIRCLE APPR	20 ROPRIATE BOX)		NOT TO BE FILLED IN BY DRILLER
DHOME (SINGLE OR DOUBLE HOUSEH		Gecil	HEALTH DEPARTMENT APPROVAL
IRRIGATION) INDUSTRIAL, COMMERCIAL, STATE A 22 OTHER (REQUIRES APPROPRIATION I		COUNTY NAME OEP SIGNATURE	COUNTY NO. STATE HEALTH INSERT S
22 L-J OTHER (REQUIRES APPROPRIATION I PUBLIC OR PRIVATE WATER COMPAN P APPROPRIATION PERMIT AND STATE I	NY (REQUIRES	DATE ISSUED	1 Lales E. Smuse 12/23
APPROVAL)			O EAST / O 6 9 0 0 0
		50 SHOW MAJOR FEATURE	65 57 63 ES OF
APPROXIMATE DEPTH OF WELL	ZB FEET	BOX & LOCATE WELL WITH AN X SOURCES Q5 DRILLING	WATER
APPROXIMATE DIAMETER OF WELL	NEAREST	1. well 2.	
METHOD OF DRILLING (BORED (or Augered) JETTED	(circle one) Jetted & <u>DRIVEN</u>	3. WRITE THE BOX NUMBE	
30- AIR-ROTary AIR-PERcussion RC	OTARY (Hydraulic Rotary) DRive-POINT	FROM THE MAP HERE	
CABLE <u>REVERSE-HOT</u> ary	Unive-FUINT	€ /060	×
REPLACEMENT OR DEEPENE		DRAW A SKETCH BELON	W SHOWING LOCATION OF WELL IN
(CIRCLE APPROPRIATE B N THIS WELL WILL NOT REPLACE AN E	EXISTING WELL	RELATION TO NEARBY	TOWNS AND ROADS AND GIVE
THIS WELL WILL REPLACE A WELL T ABANDONED AND SEALED THIS WELL WILL REPLACE A WELL T		N A	. J. Jorge
AS A STANDBY		Gor Call	N/230
PERMIT NUMBER OF WELL TO BE REPLAT		cir 2	en Kund
Not to be filled in by driller (OEP C APPROP. PERMIT NUMBER		or and the	Md 273
	8 1 - 0 6 5 3		
SPECIAL CONDITIONS		<u></u>	
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1	En.	\$40. 6/12/84 Rec.#1786-MER	EMERGENCY/TEMP NO. IF ANY	*	
	8	1 1037 SEQUENCE NO. (OEP USE ONLY)	STATE OF	MARYLAND	OEP PERMIT NUMBER
N	<u>, 1</u>		APPLICATION FOR P	ERMIT TO DRILL WELL	CE = 81 = 1094
ž	:	2 3 (This Number is to be funched in Cols. 36 on all cards)	please p	rint or type	⁷⁵ IIII In this form completely ⁷⁵
		Date Received		B 3	LOCATION OF WELL Replacement
2		0 6 1 2 8 4 OWNER INFORM	ATION	CECIL	
ġ		BELEWJOHN		S COUNTY	
		15 Last Name QUART OWNER WINE OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER	First Name 34	23 SUBCIVISION	
5		36 Street or RFD	55		
9 9		RISING SUN	M D 2 1 9 111 DSIate 72 Zip 76	RISING	SUNTIN
さる	<i>n</i>	DRILLER INFORMATIC		MILES FROM TOWN (ent	er 0 if in town) 73 76 77 78
Ň	Y	Driver's Name	77 License No 80	B 4	HELELAAR B
Å	91	DNES & MANILTON	1/00	DIRECTION OF WELL FROM	11 NEAR WHAT ROAD 30
Ń	11	SN. PARAPISE R.d.	1186-	TOWN (CIRCLE BOX)	
1	0	hails H. Humilton p	. 6/9/84		ON WHICH SIDE OF ROAD
s S	B	2 WELL INFORMATION	1	W TOWN	SOUTH
3	\$	APPROX. PUMPING RATE (GAL. PER MIN.)	10		34 20 37
꾃		AVERAGE DAILY QUANTITY NEEDED			DISTANCE FROM ROAD
		14	20	8-9 S 8-9 8	ENTER FT or MI (F 1) 38 33
と 3					NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
N		F FARMING (LIVESTOCK WATERING & A	AGRICULTURAL	Cecil	
থ				COUNTY NAME OEP	COUNTY NO. STATE HEALTH
2		22 II INDUSTRIAL, COMMERCIAL, STATE A	ND FEDERAL GOV. PERMIT)	SIGNATURE	
٩Į		PUBLIC OR PRIVATE WATER COMPAN	Y (REQUIRES	062584	harle E. Sm. 12/25/84
2		APPROVAL)			O EAST / O G 8 0 0 0
7		T TEST, OBSERVATION, MONITORING (MAPPROPRIATION PERMIT)	MAY REQUIRE		0 GRID 7068000 55 57 63
ľ			-[-]	SHOW MAJOR FEATURI BOX & LOCATE WELL	ES OF
		APPROXIMATE DEPTH OF WELL 190	FEET	WITH AN X SOURCES OF DRILLING	WATER
		APPROXIMATE DIAMETER OF WELL	NEAREST	1.	WATER
	·····	METHOD OF DRILLING (2.	
		BORED (or Augered) JETTED	Jetted & DRIVEN	3. WRITE THE BOX NUMBI	-B
			<u> TARY</u> (Hydraulic Rotary)	FROM THE MAP HERE	
		CABLE <u>REVerse-ROT</u> ary	DRive-POINT	E 1060	
		other			000
ł		REPLACEMENT OR DEEPENE	D WELLS	N 680	000
		(CIRCLE APPROPRIATE BO	DX)	RELATION TO NEARBY	W SHOWING LOCATION OF WELL IN TOWNS AND ROADS AND GIVE
l	C	THIS WELL WILL NOT REPLACE AN E			TO NEAREST ROAD JUNCTION
	-	Y THIS WELL WILL REPLACE A WELL THAN ABANDONED AND SEALED		N	199
		THIS WELL WILL REPLACE A WELL THE AS A STANDBY	HAT WILL BE USED		<u>k</u> `
		D THIS WELL WILL DEEPEN AN EXISTIN	IG WELL		A0273
		PERMIT NUMBER OF WELL TO BE REPLAC	CED OR DEEPENDED	mo	
╞		Not to be filled in by driller (OEP U			ERERO
l			······································		13
ļ	4	54			
]	FORCE	1 1 0 9 4 73 74 75 76 77 78 79		<u>`</u>
	1	SPECIAL CONDITIONS			

c1 1191	SEQUENCE ND. (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, 36 ON ALL CARDS)		FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE	COUNTY NUMBER Replacement
DATE Received DATE WELL COMPLETE			PERMIT NO. FROM "PERMIT TO DRILL WELL"
Line 1384	062784	22 / 0 0 55 (TO NEAREST FOOT)	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$
OWNER	BELEW last name 451	JOHN TELEYPAPH Rd. lirst name TOWN_	Rising Sun, Md. 21911.
SUBDIVISION		SECTION	UOT
WELL Not required fo	r driven wells	GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box)	C 3
STATE THE KIND OF PENETRATED, THEI THICKNESS AND IF	R COLOR. DEPTH.	TYPE OF GROUTING MATERIAL	HOURS PUMPED (nearest hour)
DESCRIPTION (Use additional sheets if needed)	FEET Check		PUMPING RATE (gal. per min.
		GALLONS OF WATER JDD DEPTH OF GROUT SEAL (to nearest foot)	METHOD USED TO BUCKET WATCH
BROWN SANdy Soil	0 18	from 0 ft. to 83 tt.	WATER LEVEL (distance from land surface) BEFORE PUMPING
	- 0	(enter 0 if from surface) casing <u>CASING RECORD</u>	
SOFT BROWN	18 60	types insert street CONCRETE	TYPE OF PUMP USED (for test)
GANdy CLAY		appropriate code below PLASTIC OTHER	Apair P piston T turbine
- i - ing		MAIN Nominal diameter Total depth	C centrifugal R rotary O ther (describe
		CASING top (main) casing of main casing TYPE (nearest inch) (nearest foct)	27 27 27 below)
BROWN WEATHERED	60 80		
Rock		E OTHER CASING (if used) diameter depth (feet)	PUMP INSTALLED
Hard		inch from to	DRILLER WILL INSTALL PUMP YES NO
HARD BROWNISH	80 100 -		(CIRCLE) (YES or NO) IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS
GREEN	•	screen type SCREEN RECORD	EXCEPT HOME USE TYPE OF PUMP INSTALLED
Shall Rock		insert STEEL BRASS OPEN	PLACE (A.C.J.P.R.S.T,O)
			GALLONS PER MINUTE (to nearest gallon)
		C 2	
		DEPTH (nearest ft.)	CASING HEIGHT (circle appropriate box
			+)above and enter casing height)
		$\begin{bmatrix} H \\ 2 \\ C \\ 23 \\ 24 \\ 26 \\ 30 \\ 32 \\ 32 \\ 32 \\ 32 \\ 32 \\ 32 \\ 32$	LAND SURFACE
CIRCLE APPRO	PRIATE LETTER		LOCATION OF WELL ON LOT
A WHEN THIS WELL W E ELECTRIC LOG OBTA	AS COMPLETED	N 30 39 41 49 47 -	A SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND/OR
P TEST WELL CONVERTED TO PRODUCTION		DIAMETER (NEAREST	A LANDMARKS AND INDIGATE NOT LESS THAN TWO DISTANCES MEASUREMENTS TO WELL)
WELL I HEREBY CERTIFY THAT THIS WEL ACCORDANCE WITH COMAR 10 1	7 13 WELL CONSTRUCTION	from to	R.
AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATICA PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST		IF WELL DRILLED WAS	House
DRILLERS IDENT. NO.	112 1	F IN BOX 68 68 68	30'
Charles H. Hamilton for		(NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) WQ	WEIL X 120
DRILLERS SIGNATURE (MUST MATCH SIGNATURI	E ON APPLICATION		RT. 273
SITE SUPERVISOR (sign. o responsible for sitework if c	I driller or journeyman	TELESCOPE LOG OTHER DATA CASING INDICATOR	
responsible for snework in t	sincient non permiteet	La contra cont	<u>╣</u> ╖┥╖┙╖┙╖┙╖┙╖┙┙┙┙┙┙┙┙┙┙┙┙┙┙┙┙┙┙┙┙┙┙┙┙┙┙┙

CARCINE

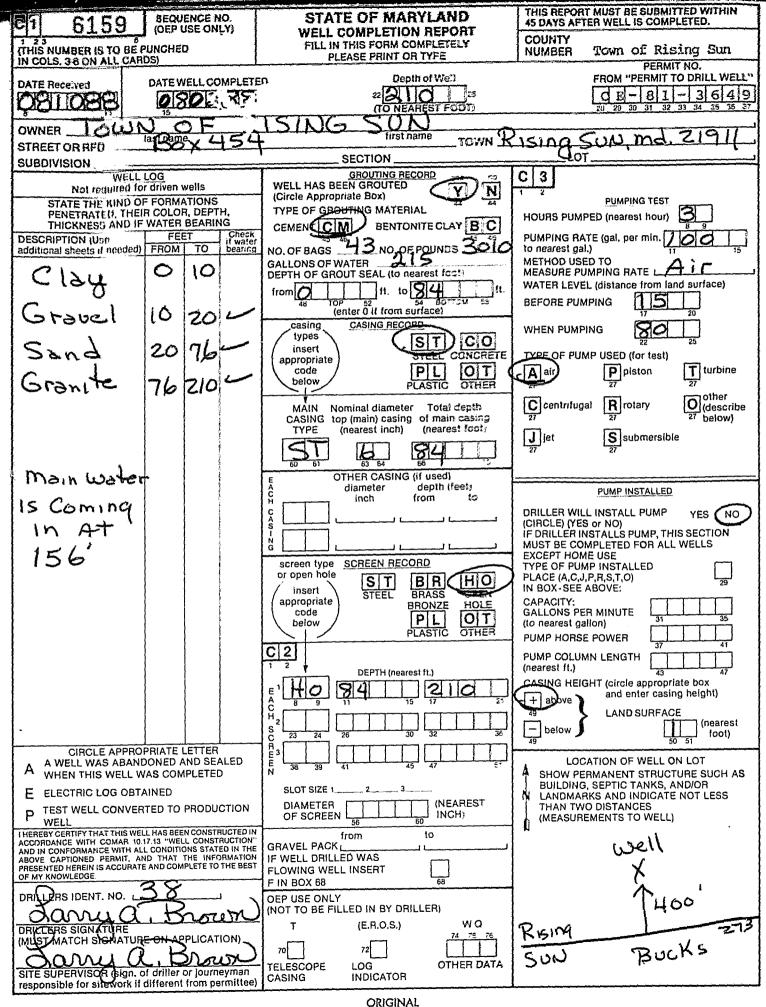
Ment gover An 0. **#** OFFICE OF ENVIRONMENTAL PROGRAMS AUG 22 1984 WELL ABANDONMENT REPORT Baring County Health Department Cent His Hays Street AUG 1 1984 DATE 7/27/84 F-0. 10x-191 C75 831 Air, Maryland 21014 838 6000 x 7245 CECIL COUNTY HEALTH DEPL Permit Number of abandoned well (if any) Permit Number of Replacement well (if any) 8 (mus ନ୍ତ 1 Ð 5 6 the start Inter Clamiton Driller's Name ALSO First Last Delest' Owner's Name First Well Location: 0/5 5/5 Cent County Subdivision Lot Section Sem Nearest Town Kim Maryland Grid Location 5/0 olo E Show well location by (x) 260 within box Box Number 680 N LOG OF SEALING MATERIAL FEET MATERIAL Type of Well TO FROM . Drilled 22 Jetted Bored or Augered Other, specify Wariding 3 Chi in Depth of Well 22 feet Type of Casing Steel Plastic Concrete Other, specify Size of Casing _____inches __Yes Was any case removed No if yes amount removed _____ (feet) Was casing ripped or perforated ____ Yes ___ No OWNER La matricentre # 112 Health Rep. or Driller ______ (Signature)

B 1 2602 SEQUENCE NO.	1		
	STATE OF	F MARYLAND O DRILL WELL	STATE PERMIT NUMBER
THIS NUMBER IS TO BE PUNCHED IN COLS. 36 ON ALL CARDS)	please p	print or type	$\frac{CE}{7} = 81 - 3649$
Date Received (APA) 0 2 0 8 8 8 OWNER INFORMATION	5353	B 3	LOCATION OF WELL
BOKALL ALL OWNER INFORMA	, <i>TION</i>	l'Écequitt	
15 Last Name Owner	GISDN 34	S COUNTY	
BOX 454	55		
RISING SUN IN	Md. 2 1 9 1 1 State 72 Zip 76		
DRILLER INFORMATION		S2 NEAREST TOWN	71
Brown Bros Do'll	77 License No. 80	MILES FROM TOWN (ente	ter 0 if in town)
	ng Da lazin	DIRECTION OF WELL FROM	ma. 273
Pankirksmillel Nothinghi	ism, PA, 19362		11 NEAR WHAT ROAD 30
B 2 WELL INFORMATION	1-6-88 Date		ON WHICH SIDE OF ROAD
WELL INFORMATION	· <u></u> ,		WEST SOUTH
AVERAGE DAILY QUANTITY NEEDED	12		34 400 37
		$\begin{bmatrix} S_{W} \\ B-9 \end{bmatrix} \begin{bmatrix} S_{E} \\ B-9 \end{bmatrix}$	
		B N'	
D HOME (SINGLE OR DOUBLE HOUSEHOLD F FARMING (LIVESTOCK WATERING & AGF) UNIT ONLY) RICULTURAL	Cecil	EALTH DEPARTMENT APPROVAL
DINDUSTRIAL, COMMERCIAL, STATE AND DINDUSTRIAL, COMMERCIAL, STATE AND OTHER (REQUIRES APPROPRIATION PER	FEDERAL GOV.	COUNTY NAME STATE SIGNATURE	COUNTY NO.
PAPPROPRIATION PERMIT AND STATE HEA	RMIT)	DATE ISSUED	nanyata INSERTS S
TEST. OBSERVATION MONITORING (MAN	1	NORTH	SIGNATURE EXP. DATE
	REQUIRE	GRID 60 0 0 0	$\begin{array}{c} 0 \\ GRID \\ 57 \end{array}$
APPROXIMATE DEPTH OF WELL	PRET 28	SHOW MAJOR FEATURES BOX & LOCATE WELL	OF
APPROXIMATE DIAMETER OF WELL 6"	NEAREST	WITH AN X SOURCES OF DRILLING W	JATER
METHOD OF DRILLING (circle	INCH	1. Well 2.	
BORED (or Augered) JETTED	Jetted & DRIVEN	3.	
	RY (Hydraulic Rotary)	WRITE THE BOX NUMBER FROM THE MAP HERE	BUDASS
other	<u>DRive-POINT</u>	E 1060	X
REPLACEMENT OR DEEPENED W		N 680	
(CIRCLE APPROPRIATE BOX)			SHOWING LOCATION OF WELL IN
Y THIS WELL WILL NOT REPLACE AN EXISTING Y THIS WELL WILL REPLACE A WELL THAT V ABANDONED AND SEALED	NG WELL WILL BE	SIGNAGE THOM WELL TO P	NEAREST ROAD JUNCTION
S THIS WELL WILL REPLACE A WELL THAT V		∧ ▲	
D THIS WELL WILL DEEPEN AN EXISTING WE	ELL	T	
PERMIT NUMBER OF WELL TO BE REPLACED O	OR DEEPENDED		well x
Not to be filled in by driver iGEP USE Of	52 DNI Y)		<u>^</u>
APPROP PERMIT NUMBER $CE73$ G A P		Junine	7400
		rising SUN 273	Bucks
67 63 WB31 SPECIAL CONDITIONS	75 75 77 2 79		

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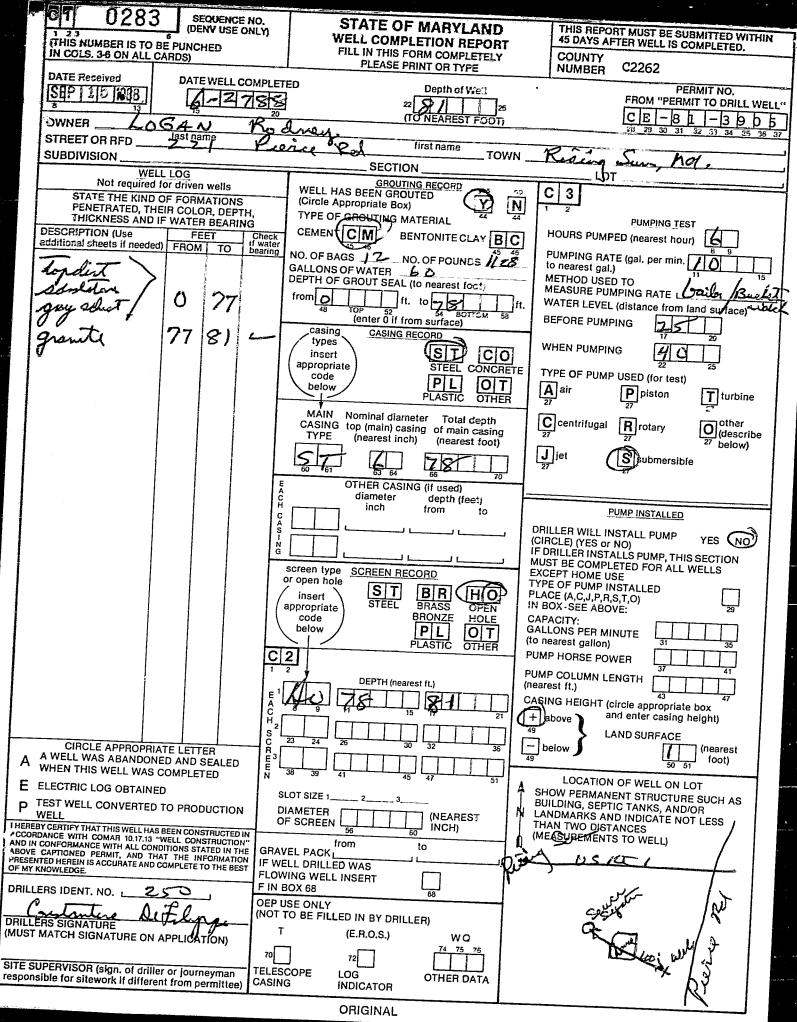
ORIGINAL

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	EMERGENCY/TEMP NO. IF A	INY	C 27/0
B 1 5022 SEQUENCE NO. (DP USE ONLY)	STATE OF MARYLAND		STATE PERMIT NUMBER
THIS NUMBER IS TO BE FUNCHED IN COLD 36 CH ALL CARDS)	PERMIT T	O DRILL WELL	CE-81 3905
Date Received (APA)	1.012H	print or type	fill in this form completely 79
OWNER INFORMA	TION		LOCATION OF WELL
ADGAN Roduely		BCOUNTY	C2262
221 PIERCE Call 1 1		23 SUBDIVISION	
RIVEL MG SUD MALE			
57		BUSINCI	
DRILLER INFORMATION		MILES FROM TOTAL AND TOTAL TOTAL	
AQUAPUR INC.		MILES FROM TOWN (enter 0 if in town)	
2235 Blicker DO. R.L CALT 1. 1		2 BECTION OF WELL FROM	Pierce Rd
Address Or Chi	21921	TOWN (CIRCLE BOX)	NEAR WHAT ROAD 30
B 2 WELL INFORMATION Date Date			
B 2 WELL INFORMATION 1 2 APPROX PUMPING RATE (GAL. PER MIN.)			CINCLE APPROPRIATE BOX, (W122 E
AVERAGE DAILY QUANTITY NEEDED	12	TOWN E	SOUTH
IGAL FEA DAY	271		34 2 37 DISTANCE FROM ROAD
USE FOR WATER (CIRCLE APPROPRIATE BOX)		8-9 <u>S</u> 8-9	ENTER FT or MI
LEIFARMING (VESTOCK WATERING & LET		NO HE	T TO BE FILLED IN BY DRILLER ALTH DEPARTMENT APPROVAL
		County NAME	
22 INDUSTRIAL COMMERCIAL, STATE AND FEDERAL GOV. OTHER REQUIRES APPROPRIATION PERMIT		STATE COUNTY NO.	
PUBLIC CR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL		DATE ISSUED AL OF OT OT	
TT TEST, OBSERVATION MONITORING		1016 2 2 8 8 Charles C, Surge 2722/88	
		GRID 680000	EAST GRID 1068000
APPROXIMATE DEPTH OF WELL		SHOW MAJOR FEATURES OF BOX & LOCATE WELL	
APPROXIMATE DIAMETER OF WELL A NEARCIST		WITH AN X SOURCES OF DRILLING WAT	
	NEAPEGT	1. well	IER
METHOD OF DRILLING (circle or BORED (or Augered)	3	2. 3.	
30 AIR-ROTARY	Jetted & <u>DRIVEN</u> (Hydraulic Rotary)	WRITE THE BOX NUMBER FROM THE MAP HERE	
CABLE REVerse-ROTary	DRive-POINT	MOW THE MAP HERE	
other		E 1060	
REPLACEMENT OR DEEPENED WELLS CIRCLE APPROPRIATE BOX)		N_680-	
NITHIS WELL WILL NOT REPLACE AN EXISTING WELL		DRAW A SKETCH BELOW SHO RELATION TO NEARBY TOWN DISTANCE FROM WELL TO NE	DWING LOCATION OF WELL IN S AND BOADS AND CIVE
ABANDONED AND SEALED		DISTANCE FROM WELL TO NE	AREST ROAD JUNCTION
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D THIS WELL WILL DEEPEN AN EXISTING WELL		NG.St US Rt 4	
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPENDED			
Not to be filled in by driller (OEP USE ONLY)			
		· · · ·	
	63	or by	
FORCEINT ALS PERMIT NO. C E - 8 1 3 9 0 5			
SPECIAL CONDITIONS			

ORIGINAL



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