#### STATE OF OREGON

### **MULT 136609**

WELL I.D. LABEL# L	138848	
START CARD #	1045834	

WATER SUPPLY	WELL REPORT
(as required by ORS	5 537.765 & OAR 690-205-0210)

WELL I.D. LABEL# L	138848	
START CARD #	1045834	
ORIGINAL LOG#		

( 1	Old Girthe Edd ii
(1) LAND OWNER Owner Well I.D. Cascade 8	
First Name Last Name	(9) LOCATION OF WELL (legal description)
Company Rockwood Water PUD	County MULTNOMAH Twp 1 N N/S Range 2 E E/W WM
Address 19601 NE HAlsey ST.	Sec         35         NE         1/4 of the         SE         1/4         Tax Lot         4700
City Portland State OR Zip 97320  (2) TYPE OF WORK New Well Deepening Conversion	Tax Map Number Lot
(2) TYPE OF WORK  New Well Deepening Conversion	Lat' DMS or DD
Alteration (complete 2a & 10)   Abandonment(complete 5a)	Lat°' or DMS or DD Long° '" or DMS or DD
(2a) PRE-ALTERATION  From To Cauca Stl. Blots Wild Therd	Street address of well Nearest address
Casing: Dia + From To Gauge Stl Plstc Wld Thrd	
Material From To Amt sacks/lbs	311 NE 141st Ave Portland, OR 97320
Seal:	
(3) DRILL METHOD	(10) STATIC WATER LEVEL
Rotary Air X Rotary Mud X Cable X Auger Cable Mud	Date $SWL(psi) + SWL(ft)$
Reverse Rotary Other	Existing Well / Pre-Alteration
	Completed Well 03-30-2021 327
(4) PROPOSED USE Domestic Irrigation Community	Flowing Artesian? Dry Hole?
Industrial/ Commericial Livestock Dewatering	WATER BEARING ZONES Depth water was first found 50
Thermal Injection Other	SWL Date From To Est Flow SWL(psi) + SWL(ft)
	4 / (- /
(5) BORE HOLE CONSTRUCTION Special Standard (Attach copy)	03-30-2021 1,125 1,200 1,000 327
Depth of Completed Well 1,200 ft.	
BORE HOLE SEAL sacks/ Dia From To Material From To Amt lbs	
Dia         From         To         Material         From         To         Amt         lbs           48         0         57         Cement         0         57         451         S	1
Calculated 360	4
28 57 1,000 Cement 0 1,000 8,705 Gallon	T
20 1,000 1,200 Calculated 8,536	(11) WELL LOG Ground Elevation 325
How was seal placed: Method A B C D E	Material From To
Other	See Attached Formation Log 0 1,200
Backfill placed from ft. to ft. Material	
Filter pack from 986 ft. to 1,200 ft. Material Silica Sand Size 10-20	
	RECEIVED
(5a) ABANDONMENT USING UNHYDRATED BENTONITE	MAY 04 0004
Proposed Amount Pounds Actual Amount Pounds	MAY 24 2021
(6) CASING/LINER	
Casing Liner Dia + From To Gauge Stl Plstc Wld Thrd	OWRD
● 30 □ 0 58 .375 ● X □	OTTINO
●       30       □       0       58       .375       □       □       □         ●       24       □       354       1,000       .500       □	
● 24 354 1,000 .500 ● X	
985 990 .375 O X	
Shoe Inside Outside Other Location of shoe(s) 1,195	
Temp casing X Yes Dia 20 From 0 To 1,200	
(7) PERFORATIONS/SCREENS	
Perforations Method	
Screens Type V-Wire Material 304 SS	Date Started 01-06-2020 Completed 04-16-2021
Perf/S Casing/ Screen Scrn/slot Slot # of Tele/	(unbonded) Water Well Constructor Certification
creen LinerDiaFromTowidthlengthslotspipe sizeScreen Liner169901,000.035	I certify that the work I performed on the construction, deepening, alteration, or
Screen Liner 16 1,130 1,195 .035	abandonment of this well is in compliance with Oregon water supply well
Sereen Emer 10 1,130 1,175 .035	construction standards. Materials used and information reported above are true to
	the best of my knowledge and belief.
	License Number 2040 Date 05-24-2021
(8) WELL TESTS: Minimum testing time is 1 hour	2010 05 21 2021
•	Signed WV 5
Pump Bailer Air Flowing Artesian	
Yield gal/min Drawdown Drill stem/Pump depth Duration (hr) 1.085 137.6 480 3	(bonded) Water Well Constructor Certification
1,085 137.6 480 3	I accept responsibility for the construction, deepening, alteration, or abandonment
	work performed on this well during the construction dates reported above. All work
GSI Water Solutions	
Temperature 64 °F Lab analysis X Yes By GSI Water Solutions	performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
Water quality concerns? Yes (describe below) TDS amount 140 mg/L	
	construction standards. This report is true to the best of my knowledge and belief.  License Number 1523 Date 05-24-2021  Signed 44th
Water quality concerns? Yes (describe below) TDS amount 140 mg/L	construction standards. This report is true to the best of my knowledge and belief.

# WATER SUPPLY WELL REPORT - continuation page

## **MULT 136609**

WELL I.D. LABEL# L	138848	
START CARD #	1045834	
ORIGINAL LOG#		

										ORIGINAL L	OG#				
2a) PRE-AI	TERA	ΓΙΟΝ						Water Q	uality Co	ncerns					
Dia +	From	To G	auge Stl	Plstc W	ld Thrd			From	То	Descrip	otion	Amou	ınt	Units	
igwdaps			$-\!\!\!-\!\!\!\!-\!$	<u> </u>	$\vdash \vdash$										
<u></u>					, LJ										
Material		From	To .	Amt sack	s/lbs										
		-													
													_		_
5) BORE H	OLE CO	ONSTRI	UCTION					1		TER LEVEL					
BORE H				SEA	AL.		1 /	SWL Dat	e Fron	m To	Est Flow	SWL(psi)	+	SWL(ft)	
Dia From		M	aterial	Fror		Amt	sacks/ lbs						H		-
													$\forall$		1
					Calculate	ed									1
					6.1.1.	1							H		-
		$\dashv$ $$			Calculate	ed							H		1
					Calculat	ed									1
		$\perp$			9.1.1.								$\Box$		]
					Calculat	ed							Ш		
FILT From	ER PACE To	∠ Material	Size					(11) WEI	LL LOG						
FIGH	10	Wateriai	JIZE							erial		From		To	
												T			_
6) CASING	T INED											+	$ \vdash$		_
												+	_		_
Casing Line	r Dia	+ F	rom To	Gauge	Stl Pls	ste Wld	Thrd			В					
	16	1,1	95 1,20	0 .375				REG	CEIVE	ש			$\dashv$		_
$\delta$	10		73 1,20	0 .575		<b>∄</b>	H					+	_		_
ŎŎ					Ŏ			MAY	24 20	21					
Q					9	$\supseteq \sqcup$							$\dashv$		_
$\mathcal{A}$		<del>                                     </del>				$\exists$	$\vdash$		WRD			+	-		_
$\times$					$\mid \hspace{-0.5em} $	$\exists$	H		WIND						_
ŏŏ															_
Ŏ Ŏ												+	-		_
												+	_		_
7) PERFOR	ATION	S/SCDE	ENC												
		SISCRE	ENS									+	+		_
Perf/S Casing creen Liner	/ Screen Dia	From	То	Scrn/slot width	Slot length	# of slots	Tele/ pipe size					+	-		_
Creen Emer	Dia	TTOIN	10	Width	length	STOLS	pipe size								
												+	-		_
												+	-		_
												+	$\dashv$		_
													∟		-
															_
								Commer	nts/Rema	arks					
															7
(8) WELL 7	TESTS:	Minimu	ım testin	g time is	1 hour										
Yield gal/mir	Drav	wdown	Drill ster	n/Pump de	pth D	uration (h	ır)								
							$\dashv$								
							4								

### **MULT 136609**

Cascade 8 Summary Borehole Log

custude a Summary Borenole Log		
	2.25	
	0 - 95	silty GRAVEL, some sand
	95 - 145	well graded sandy GRAVEL
	145 - 195	CLAY and clayey GRAVEL
	195 - 225	well graded slightly sandy GRAVEL, moderately cemented
Troutdale Gravel Aquifer (TGA)	225 - 275	well graded/poorly sorted clayey to silty GRAVEL, weak to moderate cementation
,	275 - 450	slightly sandy well graded GRAVEL with intermittent (<5' thick) sand lenses
	450 - 532	slightly sandy poorly graded GRAVEL, moderately cemented
Confining Unit 1 (CU1)	532 - 690	CLAY, trace to moderate gravel
	690 - 720	silty SAND, slight gravel, weakly cemented
Troutdale Sandstone Aquifer	720 - 740	clayey SAND, slight gravel, weakly cemented
(TSA)	740 - 770	silty SAND, slight gravel, strongly cemented
	770 - 780	clayey SAND, slight gravel, weakly cemented
Confining Unit 2	780 - 830	CLAY, trace gravel
Confining Unit 2 (CU2)	830 - 840	SILT, slight sand and gravel
(CO2)	840 - 1020	CLAY, trace gravel
	1020 - 1030	well graded, micaceous clayey SAND
	1030 - 1040	well graded micaceous SAND
	1040 - 1050	weakly cemented silty SAND
Sand and Gravel Aquifer	1050 - 1060	well graded non cemented SAND
(SGA)	1065 - 1075	silty SAND, poorly graded and weakly cemented
	1075 - 1085	poorly graded, non-cemented SAND
	1085 - 1125	silty SAND, some fines, moderately cemented
	1125 - 1200	poorly graded SAND, little fines, non-cemented

**RECEIVED** 

**MAY 24 2021** 

**OWRD**