STATE OF OREGON

MULT 136199

W A	ATER	SUP	PLY	WELL	REPO	KT	
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WELL I.D. LABEL# L	138827	
START CARD #	1045835	
ORIGINAL LOG#		

(as required by ONS 357.703 & OTH 070-203-0210)	ORIGINAL LOG#	
(1) LAND OWNER Owner Well I.D. CASCADE 7		
First Name Last Name	(9) LOCATION OF WELL (legal description)	
Company ROCKWOOD PUD	County MULTNOMAH Twp 1 N N/S Range 3 E	E/W/W/M
Address 19601 NE HALSEY ST.	Sec 33 NW 1/4 of the NW 1/4 Tax Lot 0900	
City PORTLAND State OR Zip 97230	Toy Man Number	<u> </u>
City PORTLAND State OR Zip 97230 (2) TYPE OF WORK New Well Deepening Conversion	Tax Map Number Lot	DMS or DD
Alteration (complete 2a & 10) Abandonment(complete 5a)	Lat 01 45.326505	DMS of DD
(2a) PRE-ALTERATION	Street address of well Nearest address	DMS or DD
Dia + From To Gauge Stl Plstc Wld Thrd Casing:	Street address of well () ivealest address	
	710 NE 202nd AVE. Fairview, OR 97024	
Material From To Amt sacks/lbs Seal:		
(3) DRILL METHOD	(10) STATIC WATER LEVEL	
Rotary Air Rotary Mud Cable Auger Cable Mud	Date SWL(psi) +	SWL(ft)
Reverse Rotary Other	Existing Well / Pre-Alteration	
	Completed Well 05-29-2020	204.5
(4) PROPOSED USE Domestic Irrigation X Community	Flowing Artesian? Dry Hole?	
Industrial/Commercial Livestock Dewatering	WATER BEARING ZONES Depth water was first found	
Thermal Injection Other	SWL Date From To Est Flow SWL(psi) +	SWL(ft)
(5) BORE HOLE CONSTRUCTION Special Standard (Attach copy)		
Depth of Completed Well 802 ft.	05-29-2020 633 818 2,500	204.5
BORE HOLE SEAL sacks/		
Dia From To Material From To Amt lbs		
30 0 60 Cement 0 60 132 S		
Calculated 83.59		
28 60 633 Cement 60 632.5 577 S	(11) WELL LOG Ground Elevation 204	
20 633 818 Calculated 488.9	Ground Elevation 204	
How was seal placed: Method A B X C D E	Material From	To
Other	See attached formation log 0	818
Backfill placed from 802 ft. to 818 ft. Material PEA GRAVEL		
Filter pack from <u>620</u> ft. to <u>802</u> ft. Material <u>SAND</u> Size <u>12/20</u>		
Explosives used: Yes Type Amount		
(5a) ABANDONMENT USING UNHYDRATED BENTONITE		
Proposed Amount Pounds Actual Amount Pounds		
(6) CASING/LINER Casing Liner Dia + From To Gauge Stl Plste Wld Thrd		
16	RECEIVED	
630 665 375		
16	MAR 16 2021	
16 1745 755 .375 X	WAR 10 2021	
Shoe Inside X Outside Other Location of shoe(s) 632.5		
Temp casing X Yes Dia 30 From + 0 To 60	OWRD	
(7) PERFORATIONS/SCREENS Perforations Method		
Screens Type V-Wire Material 304 SS	Date Started 12-19-2019 Completed 02-24-2021	
Perf/S Casing/ Screen Scrn/slot Slot # of Tele/	Completed 62 24 2021	_
creen Liner Dia From To width length slots pipe size	(unbonded) Water Well Constructor Certification	
Screen Liner 16 620 630 .035	I certify that the work I performed on the construction, deepening	
Screen Liner 16 665 714 .035	abandonment of this well is in compliance with Oregon water	
Screen Liner 16 735 745 .035	construction standards. Materials used and information reported ab the best of my knowledge and belief.	ove are true to
Screen Liner 16 755 797 .035	, , ,	
	License Number 2040 Date 03-08-2021	
(8) WELL TESTS: Minimum testing time is 1 hour	Signed Signed	
Pump Bailer Air Flowing Artesian		
Yield gal/min Drawdown Drill stem/Pump depth Duration (hr)	(bonded) Water Well Constructor Certification	
2,460 52.5 350 1.3	I accept responsibility for the construction, deepening, alteration, of	or abandonment
	work performed on this well during the construction dates reported a	above. All work
	performed during this time is in compliance with Oregon water	
Temperature 51 °F Lab analysis X Yes By GSI Water Solutions	construction standards. This report is true to the best of my knowled	ge and belief.
Water quality concerns? Yes (describe below) TDS amount 110 mg/L	License Number 1523 Date 03-08-2021	
From To Description Amount Units	Signed Ath	
	Contact Info (optional)	
	<u> </u>	

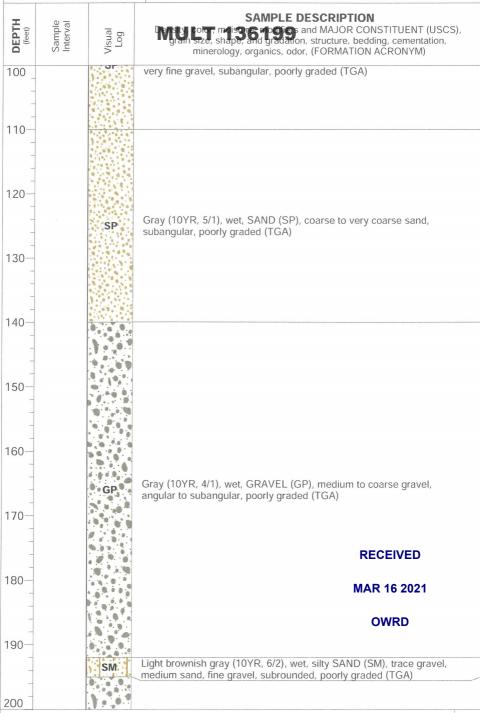
WATER SUPPLY WELL REPORT - continuation page

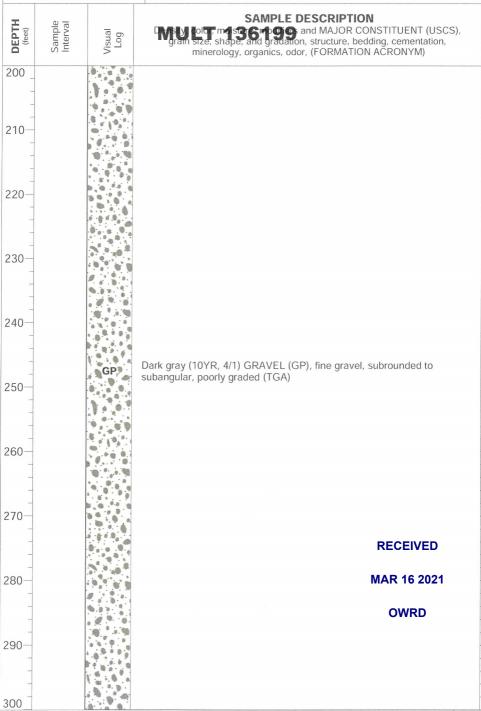
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2a) PRE-ALTERATION	Water Quality Concerns	
Dia + From To Gauge Stl Plstc Wld Thrd		Unite
	From To Description Amount	Units
		+
Material From To Amt sacks/lbs		+
	(4.0) CEL ELC WATER A FINE	
5) BORE HOLE CONSTRUCTION	(10) STATIC WATER LEVEL	
DODE HOLE SEVI	SWL Date From To Est Flow SWL(psi)	- SWL(ft)
Dia From To Material From To Amt lbs		
National From 10 Famt 105		
Colonian		+
Calculated		+
Calculated		1
Calculated		
Calculated		
FILTER PACK From To Material Size	(11) WELL LOG	
From To Material Size	Material From	То
	Material	10
6) CASING/LINER		
Casing Liner Dia + From To Gauge Stl Plstc Wld Thrd		
Casing Liner Dia + From To Gauge Stl Plstc Wld Thrd		
○ 16 □ 797 802 .375 ○ X □		
	RECEIVED	
	KLOLIVLD	
	MAR 16 2021	
7) PERFORATIONS/SCREENS		
	OWRD	
Perf/S Casing/ Screen Scrn/slot Slot # of Tele/ creen Liner Dia From To width length slots pipe size		
Free Biller Bill 170m 10 within length siets bipe size		
	Comments/Remarks	
(8) WELL TESTS: Minimum testing time is 1 hour	(6) Casing/Liner	
	Temporary 20" casing was advanced from 632.5 to 818 feet then rel	noved
Yield gal/min Drawdown Drill stem/Pump depth Duration (hr)	during well construction	

DEPTH (feet)	Sample Interval	Visual Log	SAMPLE DESCRIPTION Diving the moistage of discount MAJOR CONSTITUENT (USCS), gram size shape, and gravation, structure, bedding, cementation, minerology, organics, odor, (FORMATION ACRONYM)
0			
10-			
20-		GW	Gray (10YR, 5/1), wet, sandy GRAVEL (GW), fine gravel to coarse sand, subangular, well-graded (TGA)
30-			
40-			No recovery
50-			
-			
60-		GW	Gray (10YR, 5/1), wet, sandy GRAVEL (GW), fine gravel tocoarse sand, subangular, well-graded (TGA)
70-			
-			RECEIVED
80-			MAR 16 2021
-			OWRD
90-	1		
100		CD	Dark gray (10YR, 4/1), wet, slightly gravelly SAND (SP), coarse sand to





DEPTH (feet)	Sample Interval	Visual Log	SAMPLE DESCRIPTION DIVITY COLOR THE SECRET OF A STATE OF THE SECRET OF A STATE OF THE SECRET OF THE
300 _		GM	Dark brown (10YR, 3/3), wet, silty GRAVEL (GM), tace clay, low plasticity, fine gravel, subangular, poorly graded (TGA)
310-			
320-		GP	Dark gray (10YR, 4/1), GRAVEL (GP), coarse gravel, subrounded to subangular, poorly graded (TGA)
330-		, cc	Very dark grayish brown (10YR, 3/1), wet, slightly silty, clayey GRAVEL
340-			(GC), medium plasticity, subrounded to subangular, poorly graded (CU1)
350-		ML	Soft, dark brown (10YR, 3/3), wet, sandy SILT (ML), trace gravel, low plasticity, fine grained sand, fine grained gravel, subrounded, poorly graded (CU1)
-			RECEIVED
360-			MAR 16 2021 OWRD
370		SM	Very pale brown (10YR, 7/4), wet, silty SAND (SM), fine to medium grained, sub-rounded, well-graded (CU1)
380-			370 - 390 ft.: poorly graded with trace fine grained gravel
390-			
-		SC	Medium stiff, strong brown (7.5YR, 4/6), wet, sandy CLAY (SC), high plasticity, very fine grained, subrounded, poorly graded (CU1)
400	<u> </u>	99999	

DEPTH (feet)	Sample Interval	Visual Log	SAMPLE DESCRIPTION Density Tolor, moisture, medica, and MAJOR CONSTITUENT (USCS), grain size, sirape, and gradation, structure, bedding, cementation, minerology, organics, odor, (FORMATION ACRONYM)
400		ML	Very soft, grayish brown (2.5Y, 5/2), wet, sandy SILT (ML), very soft, very fine sand, subangular (CU1)
410-			
420		SM	Dark gray (2.5Y/N3/3), wet, gravelly, silty SAND (SM) coarse grained, subangular gravel and sand, well-graded (TSA) fluctuating gravel size with depth
430-			nactuating graver size with depth
440-		GP	Very dark gray (2.5Y, 3/N3) GRAVEL (GP), wet, coarse, subrounded to subangular, poorly graded (TSA)
		GP	Light brownish gray (2.5Y, 3/N3), GRAVEL (GP), wet, coarse, subrounded to subangular, poorly graded (TSA)
450-		GP	Very dark gray (2.5Y, 3/N3),GRAVEL (GP), wet, coarse, subrounded to subangular, poorly graded (TSA)
-			some reddish brown to brown (2.5Y, 6/2) gravel
460		SP	Light brownish gray (2.5Y, 3/N3), wet, slightly gravelly SAND (SP), medium grained sand, fine gravel, subrounded sand and subangular gravel, poorly graded (TSA).
470-			RECEIVED
480-			MAR 16 2021
-	_		OWRD
490-		GP	Dark gray (10YR, 4/1), wet, sandy Gravel (GP), medium sand, fine gravel, subangular sand and gravel, poorly graded (TSA)
500			

