Approved: 

MEMO

To: Kristopher Byrd, Well Construction and Compliance Section Manager

From: Travis Kelly, Well Construction Program Coordinator

Subject: Re-Review of Water Right Application LL-1826

Date: June 10, 2020

The attached application was forwarded to the Well Construction and Compliance Section by the Groundwater Section. Travis Brown reviewed the application. Please see Travis's Groundwater Review and the Well Report.

Applicant's Well #5 (MULT 128541(Original)/MULT 134698(Alteration)): Based on a review of the Well Reports, Applicant's Well #5 seems to protect the groundwater resource.

The construction of Applicant's Well #5 may not satisfy hydraulic connection issues.

MULT 128541

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)
Instructions for completing this report are on the last page of this form.

WELL I.D. # L 117846
START CARD # 1037809
MULT 128541

(1) LAND OWNER Well Number 1
Name University of Portland
Address 5828 N Van Houten Place
City Portland State Or Zip 97203

(2) TYPE OF WORK
☒ New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD:
☒ Rotary Air ☐ Rotary Mud ☐ Cable ☐ Auger
☐ Other

(4) PROPOSED USE:
☐ Domestic ☐ Community ☐ Industrial ☒ Irrigation
☐ Thermal ☐ Injection ☐ Livestock ☒ Other observation

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☐ Yes ☒ No Depth of Completed Well 138 ft.
Explosives used ☐ Yes ☒ No Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
12	0	18	3/4 Bentonite			
				0	20	15 sks
8"	0	138	Calculated	0	20	15 SKS

How was seal placed: Method ☐ A ☐ B ☐ C ☐ D ☐ E
☒ Other Pour & tamp
Backfill placed from 5 ft. to 138 ft. Material
Gravel placed from 105 ft. to 138 ft. Size of gravel 6x9

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	8"	+ 2'	113	.250	☒	☐	☒	☐
	6" head	104'9	109'9		☒	☐	☒	☐
	6" tail	125'6	138		☒	☐	☒	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Drive Shoe used ☐ Inside ☐ Outside ☐ None
Final location of shoe(s)

(7) PERFORATIONS/SCREENS:
☐ Perforations Method
☒ Screens Type Stainless steel Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
109'9	125'6					☐	☐
		40		6"	pipe size	☒	☐
						☒	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☒ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
60	0		1 hr.
300		57	

Temperature of water 54° Depth Artesian Flow Found
Was a water analysis done? no ☐ Yes By whom
Did any strata contain water not suitable for intended use? no ☐ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other
Depth of strata: TDS: 5

(9) LOCATION OF WELL by legal description:
County Multnomah Latitude Longitude
Township 1N N or S Range 1E E or W. WM.
Section 18 NW 1/4 NE 1/4
Tax Lot 100 Lot Block Subdivision
Street Address of Well (or nearest address) 5828 N Van Houton

(10) STATIC WATER LEVEL:
21 ft. below land surface. Date 2-16-18
Artesian pressure lb. per square inch Date

(11) WATER BEARING ZONES:
Depth at which water was first found 93'

From	To	Estimated Flow Rate	SWL
93'	138	300 gpm	21

(12) WELL LOG:
Ground Elevation

Material	From	To	SWL
Fill gravel	0	1	
Black sand	1	18	
Grey sand	18	20	
Grey silty clay	20	93	
sand gravel & water	93	125	21
Fine brown sand	125	138	21'

RECEIVED MAR 26 2018 OWRD
RECEIVED MAY 14 2018 OWRD

Date started 2-12-18 Completed 2-16-18

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief. Mark Blackburn WWC Number 1920
Signed Date 2-18-18

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work 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.
Ron Aspaas WWC Number 1445
Signed Ron Aspaas Date 2-28-18

ORIGINAL – WATER RESOURCES DEPARTMENT FIRST COPY – CONSTRUCTOR SECOND COPY – CUSTOMER

amended 6-10-20

MULT 134698

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

WELL I.D. LABEL# L 117846
START CARD # 1046601
ORIGINAL LOG # Mult 128541

(1) LAND OWNER — Owner Well I.D.
First Name — Last Name
Company University of Portland
Address 5828 N Van Houten Place
City Portland State OR Zip 97203

(2) TYPE OF WORK ☐ New Well ☐ Deepening ☐ Conversion ☒ Alteration (complete 2a & 10) ☐ Abandonment (complete 5a)

(2a) PRE-ALTERATION

	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
Casing:									

	Material	From	To	Amt	sacks/lbs
Seal:					

(3) DRILL METHOD
☑ Rotary Air ☐ Rotary Mud ☐ Cable ☐ Auger ☐ Cable Mud
☐ Reverse Rotary ☐ Other

(4) PROPOSED USE
☐ Domestic ☑ Irrigation ☐ Community
☐ Industrial/ Commericial ☐ Livestock ☐ Dewatering
☐ Thermal ☐ Injection ☑ Other Observation

(5) BORE HOLE CONSTRUCTION — Special Standard ☐ (Attach copy)
Depth of Completed Well _____ ft.

BORE HOLE

Dia	From	To
12	0	26
12		

SEAL

Material	From	To	Amt	sacks/lbs
Cemented Grout 2%	5	26		940
		Calculated		799
Bentonite Chips	0	5		
		Calculated	4	

How was seal placed: Method ☐ A ☐ B ☐ C ☐ D ☐ E
☑ Other Pumped/Poured
Backfill placed from _____ ft. to _____ ft. Material _____
Filter pack from _____ ft. to _____ ft. Material _____ Size _____
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	Plstc	Wld	Thrd

Shoe ☐ Inside ☐ Outside ☐ Other Location of shoe(s) _____
Temp casing ☐ Yes Dia _____ From + _____ To _____

(7) PERFORATIONS/SCREENS
Perforations Method _____
Screens Type _____ Material _____

Perf/ Screen	Casing/ Screen Liner	Dia	From	To	Scrn/slot width	Slot length	# of slots	Tele/ pipe size

(8) WELL TESTS: Minimum testing time is 1 hour
○ Pump ○ Bailer ○ Air ○ Flowing Artesian

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)

Temperature _____ °F Lab analysis ☐ Yes By _____
Water quality concerns? ☐ Yes (describe below) TDS amount _____

From	To	Description	Amount	Units

(9) LOCATION OF WELL (legal description)
County Multnomah Twp 1N N/S Range 1E E/W WM
Sec 18 NW 1/4 of the NE 1/4 Tax Lot _____
Tax Map Number _____ Lot 100
Lat ° ' " or _____ DMS or DD
Long ° ' " or _____ DMS or DD
○ Street address of well ○ Nearest address
5828 N Van Houten Place

(10) STATIC WATER LEVEL

	Date	SWL(psi)	+	SWL(ft)
Existing Well / Pre-Alteration			☐	22.5'
Completed Well			☐	22.5'

Flowing Artesian? ☐ Dry Hole? ☐

WATER BEARING ZONES — Depth water was first found _____

SWL Date	From	To	Est Flow	SWL(psi)	+	SWL(ft)
					☐	
					☐	
					☐	
					☐	
					☐	

(11) WELL LOG — Ground Elevation _____

Material	From	To
Deepen Seal		
Washed Over 8" Casing	0	26
Pumped Cement 2% Bentonite from 26' to 5'		
Bentonite Chips 0' to 5'		
Casing = 1' Above Surface		

Date Started 04/20/2020 Completed 04/20/2020

(unbonded) Water Well Constructor Certification
I certify that the work I performed on the construction, deepening, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
License Number 1917 Date 06/10/2020
Signed Gordon Millar

(bonded) Water Well Constructor Certification
I accept responsibility for the construction, deepening, alteration, or abandonment work performed on this well during the construction dates reported above. All work 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.
License Number 1445 Date 06/10/2020
Signed Ron Aspaas
Contact Info (optional) _____

ORIGINAL - WATER RESOURCES DEPARTMENT
THIS REPORT MUST BE SUBMITTED TO THE WATER RESOURCES DEPARTMENT WITHIN 30 DAYS OF COMPLETION OF WORK Form Version: 0.95