## Application for Extension of Time for a Water Right Permit (NON-Municipal/NON Quasi-Municipal water Use)



Oregon Water Resources Department 725 Summer Street NE, Suite A Salem Oregon 97301 (503) 986-0900 www.wrd.state.or.us

#### Criteria for a Permit Extension of Time

The Department can accept requests for an extension of time on permits to (1) <u>complete</u> <u>construction</u>, and/or to (2) <u>apply water</u> to beneficial use.

In order to approve a permit extension request the Department must be able to find:

#### 1) Construction has begun:

#### A. For Groundwater Permits

Construction of the well began within 5 years of the date the permit was issued or by the actual construction date specified in the permit.

#### **B.** For Surface Water or Reservoir Permits

Construction of the water system began within 5 years of the date the permit was issued or by the actual construction date specified in the permit.

#### The Department will also confirm that:

2) A required fish screen, fish passage or fish by-pass device was installed <u>before or prior</u> to diversion of any water. An exception to the need to confirm installation prior to diversion of any water would be a waiver submitted to the Department from ODFW stating that a fish screen, fish passage or fish by-pass device was not required, provided your permit allows for a waiver.

If you have questions, please call the Department at (503)-986-0900 and ask to speak with a permit extension specialist.

Instructions are in Attachment A.

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Instructions are in Attachment A.

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# TO THE DIRECTOR OF THE OREGON WATER RESOURCES DEPARTMENT A separate extension application must be submitted for <u>each</u> permit as per OAR 690-315-0020(2).

I, Rattle	I, Rattlesnake Creek Land & Cattle LLC, Andy Root, Managing Member				
	NAME OF PERMIT HOLDER	[OAR 690-315-0020(1) and (	3)(a)]		
524 Hv	vy 20 N	<u>Hines</u>	<u>OR</u>	<u>97738</u>	
ADDRE	SS	CITY	STATE	ZIP	
<u>541-57</u>	<u>3-3615</u>		MakiS@acwinc.net		
	PHONE		E-MAIL ADDRESS		
		,			
the per		ation Number <u>G-17562</u>			
	P	ermit Number G-1796	<u>56</u>		
		[OAR 690	)-315-0020(3)(b)]		
4-1	-to	. 1.4.1			
ao ner	eby request that the time in \	wnich to:			
$\boxtimes$	complete construction (of di	varaion/annuoviation			
	complete construction (of div		•		
	installation of the equipment	•	• • • • • • • • • • • • • • • • • • • •		
	on Month: 5 Day: 2 Year: 201				
	after a final order no longer	subject to appeal is iss	<u>ued</u> , [OAR 690-315-0020(3)(	<i>())</i>	
	NI/A (Charlate have Salar a				
	N/A (Check this box if the pe	ermit does not specify	a date by when constr	uction must	
	be completed.)				
and/or	the time in which to:				
and/or	the time in which to:				
$\boxtimes$	annly water to full handicial	usa undar tha tarma	and nonditions of the m	amais milatala	
	apply water to full beneficial		•	•	
	time now expires on <b>Month</b> : 690-315-0020(3)(i)]	5 Day: 2 Year: 2018, D	e extended to October	1, <u>2023</u> . [OAR	
	030 313 0020(3)(1)]				
I am the	permit holder, or have written authoriz	ration from the permit holde	r (attached to this Application	for Extension of	
Time), to	apply for an extension of time under t	his permit. I understand that	false or misleading statemen	its in this	
extension	rapplication are grounds for OWRD to	suspend processing of the re	quest and/or reason to deny	the extension.	
-1/l	10 / KILU	4-29-	19		
Signature		Date			
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Printed N	lame	Title			
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### Before submitting your Application for Extension of Time, make sure the following items are included:

- This completed Application for Extension of Time.
- Statutory fee of \$670
- Signature page (Second page of this Application for Extension of Time).
- All supporting documentation and/or evidence referenced in the Application for Extension of Time.

### MAIL COMPLETED APPLICATION along with the Supporting documents and/ or evidence and correct fee to:

Water Resources Department Attn: Water Right Permit Extensions 725 Summer Street NE, Suite A Salem, Oregon 97301



- Permit holders of municipal or quasi-municipal water use permits DO NOT use this form. The
  correct form is APPLICATION FOR EXTENSION OF TIME FOR MUNICIPAL AND QUASI-MUNICIPAL WATER USE
  PERMITS, available at the following link:
  <a href="http://www.oregon.gov/owrd/PUBS/docs/forms/fillable\_muni\_quasi\_ext\_app\_form\_2014.doc">http://www.oregon.gov/owrd/PUBS/docs/forms/fillable\_muni\_quasi\_ext\_app\_form\_2014.doc</a>
- Request the reasonable amount of time necessary to fully complete construction of the water project and/or to fully use the permitted quantity of water under the terms and conditions of your permit. Should this request be approved, it will be 'OWRD's expectation that you will complete your project within the new time period allowed. Future extensions may not be granted.
- A separate APPLICATION FOR EXTENSION OF TIME must be submitted for each permit. OAR 690-315-0020(2).
- An instruction sheet, INSTRUCTIONS FOR COMPLETING AN APPLICATION FOR EXTENSION OF TIME FOR A WATER RIGHT PERMIT (Attachment A), provides details that will help you answer each item on the application. Permit extensions are evaluated under OAR Chapter 690, Division 315. These rules may be viewed at: <a href="http://arcweb.sos.state.or.us/pages/rules/oars-600/oar-690/690-315.html">http://arcweb.sos.state.or.us/pages/rules/oars-600/oar-690/690-315.html</a>
- You may provide OWRD with any additional information or evidence that will aid us in making our decision. Please note that OWRD may require other information that is necessary to evaluate the application. OAR 690-315-0020(3)(n).
- After careful review of the Application for Extension of Time, you may contact OWRD at (503) 986-0900, to ask questions and request assistance from a Permit Extensions Specialist in the Water Rights Services Division.

An Application for an Extension of Time will be reviewed for completeness. OWRD will return
any incomplete or deficient applications to the applicant. OAR 690-315-0040(1)(a).

#### Reference Materials Needed to Complete this Application:

- The water right permit. If needed, a copy of the water right permit can be downloaded from the Department's Website at <a href="http://apps.wrd.state.or.us/apps/wr/wrinfo/">http://apps.wrd.state.or.us/apps/wr/wrinfo/</a> (using the link to the Water Rights Information System (WRIS). Or, a copy of the permit (or other documents) may be requested by water right application number from the Water Rights Division at 503-986-0900 (copy fees will apply).
- Documentation which demonstrates compliance with permit conditions (for example, well
  construction logs; static water level measurement reports; annual water use reports; ODFW
  fish screen certification; a plan to monitor the effect of water use on ground water aquifers
  utilized under the permit; etc.).

Questions to complete this application for an Extension of Time Please see the instruction sheet to help you answer these items.

1.	Beginning Construction within required deadlines. OAR 690-315-0020(3)(d)
For Gr	oundwater Permits
	Has construction of the point of appropriation (well) authorized under this permit begun?  Yes  No
	Date construction began Month: 5 Day: 13 Year: 2015
	Details of construction and attach documentation: Production well #5 (HARN 52187) on May 13, 2015.
For Su	rface/Reservoir Permit
	Has construction of the water system begun?  Yes  No
	Date construction began Month: Day: Year:
	Details of construction and attach documentation:

#### OAR 690-315-0020(3)(A)(e)(A)

2a. Permits typically contain standard or special conditions that must be fully satisfied to lawfully develop and use permitted water. Review the permit subject to this extension to identify which of the conditions listed in the 2<sup>nd</sup> column are contained within it. Using the extra row labeled "other" to specify any other additional conditions specified in a final order approving a permit amendment or prior extension of time. In the 1<sup>st</sup> column check the box for each condition (row) identified as relevant. In the 3<sup>rd</sup> column check "Yes" if you have completed or met the permit condition. Check "No" if the condition is not yet satisfied. In the 4<sup>th</sup> column, give the date when the condition was satisfied or will be satisfied. Attach any pertinent documentation. Note: a pump test condition does not need to be addressed here however; you must submit the results of the test to the Department for approval prior to certification.

#### CHART-A

	Permit Conditions in this Permit	Have Completed or	Date satisfied/ or will be	
Checkbox	Ground water Check those included on this permit	Met?	satisfied	
⊠	Installation of a meter/totalizing flow meter	⊠ Yes □ No	10/1/2023 *new wells receive flow meter as pump is installed	
$\boxtimes$	Submittal of annual water usage report	⊠ Yes □ No	2015 to 2023	
$\boxtimes$	Submittal of initial static water level measurement	⊠ Yes ☐ No	3/22/2016	
$\boxtimes$	Submittal of annual static water level measurements in the month required	⊠ Yes □ No	2016 - 2023	
	Submittal of Seven consecutive static water level measurements in the month required	Yes No		
$\boxtimes$	Special well construction standards cased & sealed to 100'	⊠ Yes □ No	5/1/2015 (Well #5) 3/7/2015 (Observ. Well) As installed/updated up to 10/1/2023 for remaining wells.	
	Submittal of a monitoring plan	Yes No		
$\boxtimes$	Other (Specify): Observation Well	⊠ Yes □ No	5/21/2015	
			Existing wells #3 and #4 installed, but have either fallen off due to age or are beneath pump. Being replaced with new well log #s. Well #5 (2015) was affixed to the casing, but is no longer visible. All other wells have or will have id tags in place as drilled/cased	
$\boxtimes$	Other (Specify): OWRD Well ID TAG	⊠ Yes □ No	and prior to installation of pump.	
	Other (Specify): Dedicated measuring tube	☐ Yes ⊠ No	10/1/2023 *new wells receive measuring tube as pump	

			installed
$\boxtimes$	Riparian Area		N/A
$\square$	Pump Test	☐ Yes ⊠ No	10/1/2023 (not required yet)
	Surface Water or Reservoir		
	Installation of a meter/ totalizing flow meter/ in-line meter	Yes No	
	Installation a staff gauge	☐ Yes ☐ No	
	Installation of a fish screen	☐ Yes ☐ No	
	Installation of a fish by-pass device	Yes No	
	Installation of a fish passage	Yes No	
	Installation of an outlet gate/pipe/ conduit	Yes No	
	Submittal of a letter from ODFW that fish screen, fish by-pass device, and or fish passage is not required	Yes No	
	Submit as-built plans and specification	Yes No	
	Submittal of a letter from an engineer prior to storage	Yes No	
	Other (Specify):	Yes No	
	Other (Specify):	Yes No	
	Other (Specify):	Yes No	

## 2b. If you have NOT complied with Permit conditions, explain the reasons why and indicate a date certain, when you will be in compliance.

The original permit holder developed two center pivot sprinklers, one production well & the required monitoring well between 2013 and 2017. A portion of the permit was cancelled by the prior landowner, Bo Thorenfeldt, to use as mitigation for aother groundwater permit. An amended permit describing the remainder right was issued on June 8, 2017 (G-17764), but that permit was later corrected by OWRD. The corrected and currently applicable permit, G-17966, was issued January 31, 2018.

The applicant purchased the property on August 8, 2017. The permit was assigned in September 2017, and on September 25, 2017, OWRD issued a letter indicating that the C-date for the permit was June 6, 2022 (this letter is attached). As noted above, the current permit G-17966 was issued after this, on January 31, 2018. The permit indicates that the holder has 5 years from the date of the permit to put the water to beneficial use (i.e. January 31, 2023).

Therefore, the applicant (and new owner) initially understood that the completion date would not be until June 6, 2022, based on OWRD's September 2017 letter. After the permit G-17966 was issued, the applicant understood they had until January 31, 2023 —to complete the project. This would have provided additional time after acquiring the property to further modify the permit as needed to conform to on-the-ground conditions, create groundwater use efficiencies, and complete the project.

It was not until January 2019 that OWRD first indicated in an email that the C-date was May 21, 2018. But, this view apparently was not universal or confirmed because on February 9, 2019, OWRD issued a letter correcting the permit assignment, which states that the C-date is January 31, 2023—a date that is consistent with the current permit's terms (this letter is attached).

Since the purchase, the applicant has installed additional wells and irrigation infrastructure, including installing more efficient irrigation systems (pivots) in areas covered by the prior owner. Additional time is necessary to complete the project and ensure it is installed and configured to ensure the most efficient use of groundwater (which the applicant anticipates will require a permit amendment).

Additional time is also warranted to allow the applicant to complete the project within the expected and anticipated completion date represented to the current owner and applicant by OWRD over the course of the past 3 years. The applicant relied on these representations and has made installation and completion plans based upon them.

Finally, additional time is warranted because the applicant (and his predecessor) have been working on enlarging the reservoir authorized under Permit R-15042 at the same time that work has been progressing under the groundwater permit. The additional storage authorized by the reservoir permit is important because it will lessen the applicant's need for groundwater to irrigate the farm. Therefore, that permit's development is important and beneficial for the overall groundwater aquifer use. This is a somewhat unusual to have both projects proceeding at the same time. Notably, even with the extension, both the groundwater and reservoir expansion would still be finished within a relatively short timeframe compared to other projects of the same scope and scale.

The anticipated completion date is October 1, 2023, assuming OWRD approves the request right away, or within 5 irrigation seasons following issuance of a final order that is not subject to appeal, whichever is later.

#### [OAR 690-315-0020(3)(e)]

3. Provide evidence of physical work made toward completion of the water system, and of progress made toward making beneficial use of water within the permitted time period (CHART-B); and if applicable, within the time period of the most recent extension granted (CHART-C). CHART-B (below) must be completed for all Application for Extension of Time requests. Use chronological order. (this does NOT include planning, formulating a business plan, securing financing, letting contracts, purchasing but not installing equipment, surveying, clearing land, or planting crops)

#### **CHART-B**

DATE	WORK ACCOMPLISHED BEFORE PERMIT WAS ISSUED  List any work done before the permit was issued – eg. well drilled.	COST*
6/2012	Retained water rights consultant to consult on permit application	\$1000

	Deepened Well #3 (HARN 51818) to determine usability	\$42,000				
DATE	WORK ACCOMPLISHED AFTER PERMIT WAS ISSUED  and PRIOR TO DATE SPECIFIED IN PERMIT  FOR COMPLETE APPLICATION OF WATER  List work/actions done during the permitted time period.					
5/2/2013	Date the permit was signed - find date above signature on last page of permit.*  The date G-17966 was signed is 1/31/2018					
5/1/2015	Drilled observation well (HARN 52189)	\$38,000				
5/13/2015	Drilled production well #5 (HARN 52187) Cased & sealed to 100'	\$60,000				
3/7/2018	Drilled production well #6 (HARN 52708) Cased & sealed to 100'	\$31,163				
9/26/2017 to 3/23/2018	Install irrig. equip, conduit & sprinklers	\$450,493.02				
8/21/2017 to 4/26/2018	Repairs & additional equip. added to irrigation system	\$24,032.44				
5/2015 to 9/2015 5/2016 to 9/2016 6/2017 to 8/2017 5/2018 to 9/2018	Irrigated a portion of the place of use (see Q.9 chart)	\$48,863.52 (electricity costs)				
Date the permit specified complete application of water to the use shall be made- all permits contain this date.  The original permit indicated the completion date was within 5 years of the date of issuance. However, Permit G-17966 has the same term, putting the completion date at 1/31/2023. Also, in Feb. 2019, OWRD provided written confirmation that the C-date was 1/31/2023 (see attached letter).						
	WORK ACCOMPLISHED AFTER the date the permit specified complete application of					
DATE	water  COMPETE ONLY IF THIS IS YOUR 1st APPLICATION FOR AN EXTENSION OF TIME: List  work done after the date specified in the permit for complete application of water up to the date of this Application for Extension of Time.					
11/2018 to 2/2019	Drilled 3 production wells (L131955 (well #7), L131957 (well #8) & L130100 (well #9))					
/12/2018 to /26/2019 Repairs & additional equip. to irrig system						

<sup>\*</sup> If exact cost is not known, you must provide your best estimate.

## 4. If this is <u>not</u> your 1st Application for Extension of Time request, fill out CHART-C below in addition to CHART-B above. *Use chronological order*.

#### **CHART-C**

DATE	WORK ACCOMPLISHED <u>DURING</u> THE LAST EXTENSION PERIOD  List all work done during the last authorized extension period.	COST*
	"Extended From" date for complete application of water used in the 1st (or the most recent) Application for Extension of Time.	
	"Extended To" date for complete application of water resulting from the 1st (or the most recent) Application for Extension of Time.	
DATE	WORK ACCOMPLISHED AFTER  THE LAST EXTENSION PERIOD EXPIRED  List all work done after the last authorized date for complete application of water up to the date of this Application for Extension of Time.	COST*
	Total Gost of Chart-C	

<sup>\*</sup> If exact cost is not known, you must provide your best estimate. [OAR 690-315-0020(3)(f)]

#### 5. Cost of project to date: \$ 893,724.98

(The total combined cost from CHART-B and CHART-C) [OAR 690-315-0020(f)]

[OAR 690-315-0020(3)(e)(B)]

Provide evidence of the maximum rate (or duty, if applicable) of water diverted for beneficial use under this permit and/or prior extensions of time (if any) made to date. See water use reports attached.

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6.	For Surface	Water Permi	t Extensions	ίρας.	-YYYY or D	-VYYY\-
<b>U</b> :	i or surrace	AAGICI I CIIIII	L LALCHSIONS	(C.g. J		

TIP: Report the rate in the same units of measurement as specified in the permit.

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Maximum rate <u>used to date</u> = cfs (cubic feet per second)	or,
Maximum rate <u>used to date</u> = gpm (gallons per minute)	or,
Acre-feet stored to date = AF	

#### 7. For Ground Water Permit Extensions (e.g. G-XXXX):

<u>TIP:</u> Include information from ALL wells that pertain to this permit, including drilled wells not currently used.

#### **CHART-D**

		780	IF DRILLED								
Well # as identifie d on Permit	Water User's Well#	Has this well been drilled?	Well tog Number e.g. MORR 50473	Well Tag Number e.g. # 27566 or N/A	is the actual drilled location authorized on this permit or on a permit amendmen	Maximum Instantaneous rate used to date from this well under this permit only (CFS or GPM)	Is this well Buthorized or utilized under any OTHER water rights?	If yes, provide the Permit, Certificate, or Transfer No.			
#3*	#3	Yes ⊠ No □	HARN 227/51858	L109028	Yes ☐ No ☑*	1500 gpm	Yes ⊠ No □	C-67666			
#4*	#4	Yes 🔀 No 🗌	HARN 222	L114935	Yes ☐ No 🖾*	200 gpm	Yes ⊠ No □	C-67666 -			
#5	#2	Yes ⊠ No □	HARN 52187	L92413	Yes ☐ No 🏻	500 gpm	Yes ☐ No 🏻	-			
#6	#6	Yes 🔀 No 🔲	HARN 52708	L128165	Yes ☐ No 🏻	0	Yes ☐ No 🏻	44			
#7	#7	Yes 🔀 No 🗌	HARN 52767	L131955	Yes ☐ No 🏻	0	Yes ☐ No 🏻	-			
#8	#8	Yes 🔀 No 🔲	HARN 52768	L131957	Yes ☐ No ⊠	0	Yes ☐ No 🏻	-			
#9	#9	Yes 🔀 No 🔲	HARN 52754	L130100	Yes 🗌 No 🔯	0	Yes □ No ⊠	-			
#10	#10	Yes 🗌 No 🔀	NA	NA	Yes ☐ No 🗵	0	Yes ☐ No ⊠	•			
#11	#11	Yes 🔀 No 🗌	NA	NA	Yes ☐ No ⊠	0	Yes ☐ No ⊠				
#12*	#12	Yes 🔀 No 🗌	HARN 226	L114936	Yes ☐ No ⊠*	0	Yes ☐ No 🏻				
#13*	#13	Yes 🗌 No 🔀	HARN 225	L134007	Yes ☐ No ⊠*	0	Yes □ No ⊠				
#14	#14	Yes 🗌 No 🔀	NA	NA	Yes ☐ No 🗵	0	Yes ☐ No 🗵				
#16	#16	Yes 🗌	NA	NA	Yes 🗌	0	Yes 🗌				

		No 🛛			No 🛛		No 🗵	
	Monitor Well	Yes ☐ No 🗵	HARN 52189	L114921	Yes ☐ No 🗵	0	Yes 🗌 No 🗵	-
L,	Total i	nstantaneous	rate from all w	ells utilized unde	er this permit	2200 gpm	]	

<sup>\*</sup>We think it is likely that the original applicant misstated the locations for wells #3 and #4 as they are existing wells for Certificate 67666. Similarly, we believe that the locations for wells # 12and 13 were meant to be as indicated on the well logs for HARN 225 and HARN 226, as they are existing wells (though additional investigation is needed to confirm they will comply with the 100 foot casing requirement). Because the id tags are no longer visible on these existing wells, new id tags have been ordered. The id is also no longer visible/affixed to well #5, and a new well tag has been ordered. This will result in new id numbers.

8.	Has a Permit Amendment Application been filed? Yes No No If yes, identify Transfer No. T
	Has the Permit Amendment been approved? Yes No XIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII

[OAR 690-315-0020(3)(e)(C)]

9. <u>For Irrigation and Nursery Use Permits Extensions</u>

Provide the total number of acres irrigated to date under this permit.

- a) Total acres irrigated to date: 160.8 IR & 423.1 IS
- b) List by year, the number of acres irrigated each year since permit issuance.

Year	Acres	Year	Acres	Year	Acres
2015	160.8 IR & 423.1 IS				
2016	160.8 IR & 423.1 IS				
2017	160.8 IR & 423.1 IS				
2018	160.8 IR & 423.1 IS				

- c) Provide a copy of the application map identifying the acres irrigated.
- d) Please specify the number of acres irrigated by each Point of Diversion/Point of Appropriation (POD/POA).

(POD/POA) #5 (Owner's #2) Acres 110.2 IS (POD/POA) #3 (Owner's#3) Acres 160.8 IR & 210.9 IS (POD/POA) #4 (Owner's#4) Acres 102.0 IS

[OAR 690-315-0020(3)(i)(j)]

<sup>\*</sup>The Permit holder plans to submit a permit amendment to modify the location of the wells to conform with on-the-ground conditions and to create more efficiencies with groundwater use.

10. In the chart below provide a summary of your future plans and schedule to complete the construction of the water system, and/or apply water to full beneficial use under the terms and conditions of the permit.

#### **CHART-E**

APPROXIMATE DATE RANGE (projected)	WORK OR ACTION TO BE ACCOMPLISHED (projected)	ESTIMATED COST (projected)
3/1/2019 to 10/31/2022	Complete wells #11, 14, and 16	\$142,000
3/1/2019 to 10/31/2022	Install flowmeters, measuring tubes, & plumb new wells to irrig. system	\$200,000
10/1/2019	Apply for Permit Amendment (OWRD's timeline for approval will dictate other deadlines and dates in this Chart)	\$10,000
3/1/2019 to 10/31/2023	Report March static well levels to OWRD	\$5,000
12/31/2019 to 12/31/2023	Report annual usage to OWRD	\$1,500
3/1/2019 to 10/31/2023	Irrigate within entire place of use	\$120,000 per year (electricity costs)
10/1/2024	Report COBU	\$3,000
Year: 2023	Date intend to apply water to full beneficial use under the terms and conditions of this permit.	
	Total Cost	\$481,500

#### [OAR 690-315-0020(3)(g)]

**11.** Estimated remaining cost to complete the project: \$481,500 (The total cost from CHART-E)

#### [OAR 690-315-0020(3)(j)]

12. Provide a summary of your plan to complete construction, meeting all permit conditions and apply the water to beneficial use: (List all tasks or steps needed to complete the project, the date when each task will be completed, and the cost associated with each task; attach additional pages if necessary.) Complete construction of wells, tag, and plumb into irrigation system with flowmeters to record & report usage. Complete installation of dedicated measuring tubes to record & report March static levels each year upon completion of each well. Put water to full beneficial use for irrigation within place of use and provide annual water use reports. Report COBU within one year of completing these tasks. The costs associated with these tasks are included in Chart E.

#### [OAR 690-315-0020(3)(k)]

13. <u>Justify the time requested</u> to complete the project and/or apply the water to full beneficial use. (Include any other information or evidence to establish that the requested amount of time is sufficient and that you will be able to complete the project within the amount of time requested.)

Some of the wells have been constructed, including additional wells built after the transition to the new owner. A portion of the place of use has been irrigated and parts of the irrigation system that were previously constructed have been rebuilt to be more efficient (i.e. with pivots). However, with the transition to a new owner and additional evaluation of what is

needed to build an efficient irrigation system, additional time is need to construct the remaining wells, complete the irrigation system, and ensure the wells and system will operate efficiently. This is a sizable undertaking. An additional five years after approval of the permit extension is needed to complete well construction and put the water to beneficial use. As the system is constructed, it anticipated that a permit amendment is needed to optimize water use and efficiencies and to conform to on-the-ground conditions, which appear to have been overlooked or misunderstood in the initial application. The five year extension accounts for each of these steps in the process and is consistent with the time frame as represented to the applicant in multiple correspondences from OWRD.

#### [OAR 690-315--0020(3)(I)

14a. Will a denial of the extension result in undue hardship? (Describe the hardship and the effects.) Yes. Considerable resources have been invested in the project to date. Imposing a May 2018 completion date would have given the current owner less than one year to finish construction upon acquisition of the property, with less than 20% of the project complete at the time of purchase. The property was purchased at a price based on having developable water rights. If the completion date is not extended to be consistent with representations made in multiple communications from OWRD, the applicant will be deprived of most of the water authorized for development under the permit.

14b. Are there any other reasonable alternatives that exist for meeting your water use needs? (Explain in detail) No If the permit is denied nearly the entire right will be lost, as beneficial use was not able to be completed for 80% of the permitted use before the May 2018 completion date that, in Jan. 2019, OWRD indicated for the first time to the applicant would apply. (Again, to clarify, in Feb. 2019, OWRD sent a letter saying that the completion date was Jan. 31, 2023.)

#### [OAR 690-315-0020(3)(h)

15. Was the delay in the timely completion of this water development project and/or timely application of water to full beneficial use caused by any additional government requirements, other than the conditions contained within the permit, which significantly delayed the completion and perfection of this right? (Explain in detail, including how much time did this delay the project; list dates.) No

#### [OAR 690-315-0020(3)(h)

16. Describe any unforeseen events which contributed to the delay of completion of this project that you had no control over. (Explain in detail what the unforeseen events were and how much time was spent addressing the unforeseen events.) As explained below, the prior owner was working to complete a reservoir expansion and supplemental water project at the same times as this permit. That project was significant, expensive and time consuming, and apparently caused delays in completion of the groundwater permit. Also, there is the

apparent confusion over the actual completion date. The applicant had no control over either of these circumstances.

#### [OAR 690-315-0020(3)(h)]

17. Describe an additional reasons why the construction was not completed, and/or water was not beneficially used within permit time limits. (Provide supporting information for the reason(s) that best fits your circumstances.)

The current permittee/owner had less than one year to complete the development with less that 20% of the POU developed at the time of purchase. The applicant has continued to work on developing the project since the property was purchased. However, additional time is needed to complete the development and ensure that it is configured in a way that is most effective and efficient on the ground.

#### OAR 690-315-0020(3)(m)(n)]

18. Provide any other information you wish OWRD to consider while evaluating your Application for Extension of Time.

The development of Permit G-17966 coincided with the development of Permits R-15042 & S-54843. Together these projects required a large investment of time and money to develop them to the extent they have been to date. Working on these together meant significant costs and efforts were being expended to work toward the C-dates on all of the permits. These are somewhat unusual circumstances that justify additional time to complete these projects.

#### [OAR 690-315-0040(2)(f)]

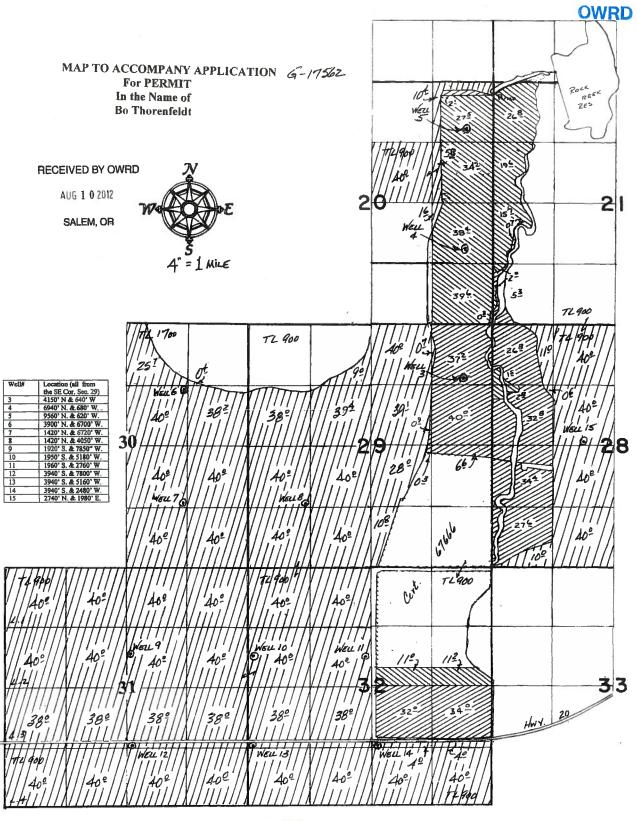
19. Will the income or use of the water project provide a fair and reasonable return on your investment? (Explain in detail)Yes. Once the development is complete, the investment will create returns as crops are irrigated, harvested & utilized for livestock or sold.

#### [OAR 690-315-0040(4)(d)]

20. Describe in detail if there are other economic interest, beyond those of the permit holder, which are dependent upon the completion of this project. (Who will be effected and how?) The permit holder has employees to work on the farm. Not having the additional groundwater for irrigation would reduce the workload for employees and reduce their pay. It could also jeopardize one or more positions.

MAY 0 7 2019 OWRD

### T.22 S., R. 33 E., W.M.

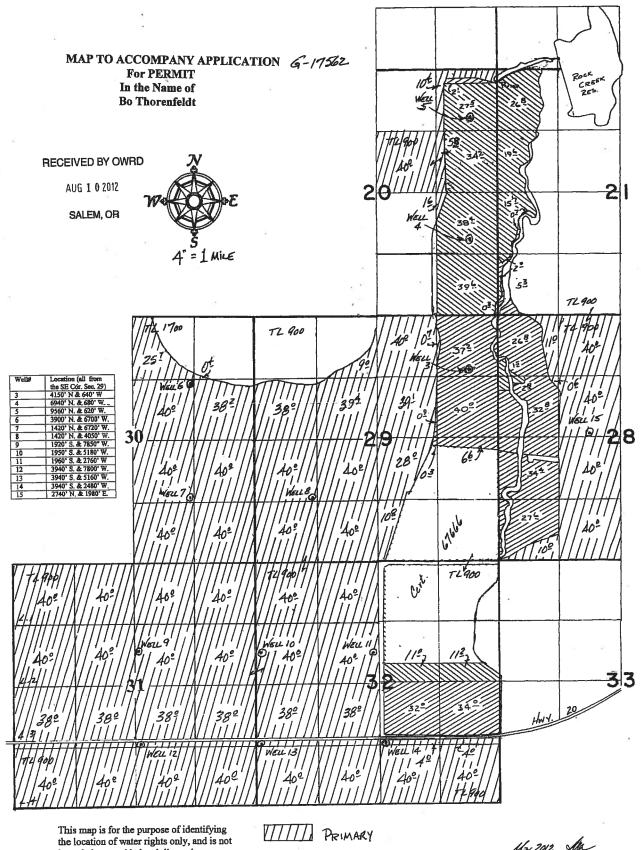


This map is for the purpose of identifying the location of water rights only, and is not intended to provide legal dimensions or locations of property lines.

PRIMARY

SUPPLEMENTAL

### T.22 S., R. 33 E., W.M.



the location of water rights only, and is not intended to provide legal dimensions or locations of property lines.

SUPPLEMENTAL

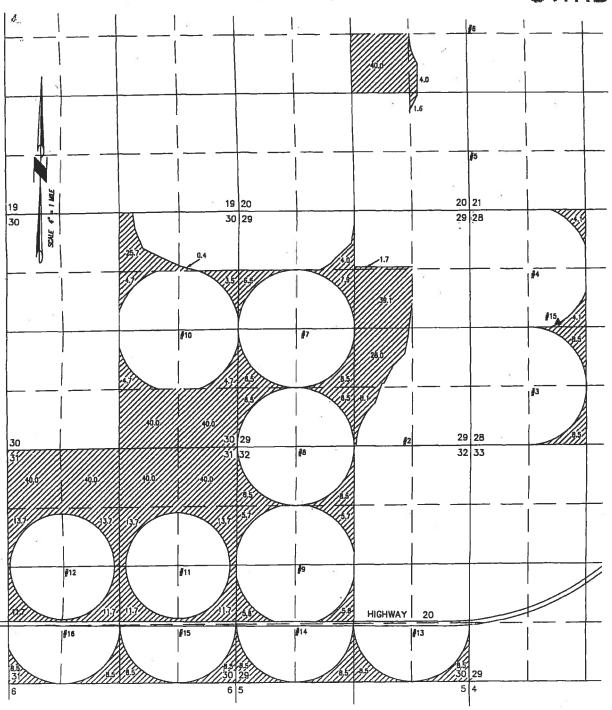
# MITIGATION CREDIT FOR PLACE OF USE FROM PERMIT G-17070 17037 FOR BO THORENFELDT

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THIS MAP IS FOR THE PURPOSE OF LOCATING A WATER RIGHT ONLY AND HAS NO INTENT TO PROVIDE LEGAL DIMENSIONS OR THE LOCATION OF PROPERTY LINES.

693.0 ACRES IRRIGATION TO BE MITIGATED TO APPLICATION G-17799

PROJECT No. 15-083

V

PREPARED AT THE REQUEST OF:

BO THORENFELDT 888 HILLSBOROUGH BLVD HILLSBOROUGH, CA 94010 ALL POINTS ENGINEERING
& SURVEYING, INC.

P.O. BOX 767
TERREBONNE, OREGON 97760
(541) 548-5833 PH
Scott@APEandS.com
www.APEandS.com

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#### STATE OF OREGON

#### COUNTY OF HARNEY

#### PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

BO THORENFELDT 885 HILLSBOROUGH BLVD HILLSBOROUGH, CA 94010 RECEIVED

MAY 0 7 2019

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The specific limits and conditions of the use are listed below.

APPLICATION FILE NUMBER: G-17562

SOURCE OF WATER: WELL 3, WELL 4, WELL 5, WELL 6, WELL 7, WELL 8, WELL 9, WELL 10, WELL 11, WELL 12, WELL 13, WELL 14, AND WELL 16 IN ROCK CREEK BASIN

PURPOSE OR USE: IRRIGATION OF 1772.6 ACRES; SUPPLEMENTAL IRRIGATION OF 511.3 ACRES

MAXIMUM RATE: 11.34 CUBIC FEET PER SECOND (CFS), FURTHER LIMITED TO 6.39 CFS FOR SUPPLEMENTAL IRRIGATION OF 511.3 ACRES

PERIOD OF USE: SEE TABLE BELOW

DATE OF PRIORITY: JUNE 11, 2012

#### WELL LOCATIONS:

_ 11 11 11 1	OCATIO	7110.				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Well	Twp	Rng	Sec	/Mer/	QQ	Measured Distances
Well 3	22 S	33 E	29 ;	11 21 2 7	NE NE	A SORNER, SECTION 29
Well 4	22 S	33 E	20		NE SE	6940 FEET NORTH AND 680 FEET WEST FROM SE GORNER, SECTION 29
Well 5	22 S	33 E	20	W.M.	The state was an interest of	9560 FEET/NORTH AND 620 FEET WEST FROM SE FEORNER/SECTION 29
Well 6	22 S	33 E	30	W.M.	SW NE	3900 FEET NORTH AND 6700 FEET WEST FROM SE CORNÉR, SÉCTION 29
Well 7	22 S	33 E	30	W.M	NW SE	1420 FEET NORTH AND 6720 FEET WEST FROM SE CORNER, SECTION 29
Well 8	22 S	33 E	29	W.M.	NW SW-	1420 FEET NORTH AND 4050 FEET WEST FROM SE CORNER, SECTION 29
Well 9	22 S	33 E	31	W.M.	SW NE	1920 FEET SOUTH AND 7850 FEET WEST FROM SE CORNER, SECTION 29
Well 10	22 S	33 E	32	W.M.	SWNW	1950 FEET SOUTH AND 5180 FEET WEST FROM SE CORNER, SECTION 29
Well 11	22 S	33 E	32	W.M.	SE NW	1960 FEET SOUTH AND 2760 FEET WEST FROM SE CORNER, SECTION 29

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Well	Twp	Rng	Sec	Mer	QQ	Measured Distances
Well 12	22 S	33 E	31	W.M.	NW SE	3940 FEET SOUTH AND 7800 FEET WEST FROM SE CORNER, SECTION 29
Well 13	22 S	33 E	32	W.M.	NW SW	3940 FEET SOUTH AND 5160 FEET WEST FROM SE CORNER, SECTION 29
Well 14	22 S	33 E	32	W.M.	NW SE	3940 FEET SOUTH AND 2480 FEET WEST FROM SE CORNER, SECTION 29
Well 16	22 S	33 E	28	W.M.	SE SE	148 FEET NORTH AND 73 FEET WEST FROM SE CORNER, SECTION 28

The amount of water used for irrigation under this right, together with the amount secured under any other right existing for the same lands, is limited to a diversion of ONE-EIGHTIETH of one cubic foot per second and 3.0 acre-feet for each acre irrigated during the irrigation season of each year.

#### THE PLACE OF USE IS LOCATED AS FOLLOWS:

Q-Q	Acres	Twp	Rng	Mer	Sec	PRIMARY IRRIGATION SEASON	SUPPLEMENTAL IRRIGATION SEASON
NENE	10.4	22S	33E	WM	20	3/1 through 10/31	
NENE	29.6	228	33E	WM	20	3/1 through 3/31 and 10/2 through 10/31	4/1 through 10/1
SENE	1.8	22S	33E	WM	20	3/1 through 10/31	
SENE	34,2	22S	33E	WM	20	3/1 through 3/31 and 10/2 through 10/31	4/1 through 10/1
NESE	38.4	22S	33E	WM	20	3/1 through 3/31 and 10/2 through 10/31	4/1 through 10/1
SESE	39.9	22S	33E	WM	20	3/1 through 3/31 and 10/2 through 10/31	4/1 through 10/1
NWNW	26.8	22S	33E	WM	21	3/1 through 3/31 and 10/2 through 10/31	4/1 through 10/1
SWNW	19.6	22S	33E	WM	21	3/1 through 3/31 and 10/2 through 10/31	4/1 through 10/1
NWSW	16.4	22S	33E	WM	21	3/1 through 3/31 and 10/2 through 10/31	4/1 through 10/1
swsw	7.3	22S	33E	WM	21	3/1 through 3/31 and 10/2 through 10/31	4/1 through 10/1
NENW	35.9	228	33E	WM	28	3/1 through 10/31	•
NWNW	11.0	22S	33E	WM	28	3/1 through 10/31	
NWNW	28.3	22S	33E	WM	28	3/1 through 3/31 and 10/2 through 10/31	4/1 through 10/1
SWNW	0.6	228	33E	WM	28	3/1 through 10/31	
SWNW	35.6	22S	33E	WM	28	3/1 through 3/31 and 10/2 through 10/31	4/1 through 10/1
SENW	35.9	22S	33E	WM	28	3/1 through 10/31	
NESW	35.9	228	33E	WM	28	3/1 through 10/31	
NWSW	34.4	22S	3315	WM	28	3/1 through 3/31 and 10/2 through 10/31	4/1 through 10/1
SWSW	10.0	22S	33E	WM	28	3/1 through 10/31	
SWSW	27.6	22S	33E	WM	28	3/1 through 3/31 and 10/2 through 10/31	4/1 through 10/1

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Q-Q	Acres	Twp	Rng	Mer	Sec	PRIMARY IRRIGATION SEASON	SUPPLEMENTAL IRRIGATION SEASON
SESW	31.5	22S	33E	WM	28	3/1 through 10/31	
NENE	0.7	22S	33E	WM	29	3/1 through 10/31	
NENE	37.2	22S	33E	WM	29	3/1 through 3/31 and 10/2 through 10/31	4/1 through 10/1
NWNE	38.3	22S	33E	WM	29	3/1 through 10/31	
SWNE	0.9	22S	33E	WM	29	3/1 through 3/31 and 10/2 through 10/31	4/1 through 10/1
SENE	40.0	22S	33E	WM	29	3/1 through 3/31 and 10/2 through 10/31	4/1 through 10/1
NENW	5.0	22S	33E	WM	29	3/1 through 10/31	
SWNW	31.5	22S	33E	WM	29	3/1 through 10/31	
SENW	31.5	22S	33E	WM	29	3/1 through 10/31	
NESW	31.5	22S	33E	WM	29	3/1 through 10/31	
NWSW	31.5	22S	33E	WM	29	3/1 through 10/31	
swsw	31.5	22S	33E	WM	29	3/1 through 10/31	
SESW	31.5	22S	33E	WM	29	3/1 through 10/31	
NESE	6.6	22S	33E	WM	29	3/1 through 3/31 and 10/2 through 10/31	4/1 through 10/1
NWSE	0.3	22S	33E	WM	29	3/1 through 3/31 and 10/2 through 10/31	4/1 through 10/1
SWSE	2.7	22S	33E	WM	29	3/1 through 10/31	
SWNE	35.3	22S	33E	WM	30	3/1 through 10/31	
SENE	34.7	22S	33E	WM	30	3/1 through 10/31	
NESE	35.3	22S	33E	WM	30	3/1 through 10/31	
NWSE	35.3	22S	33E	WM	4.30.	3/1 through 10/31	
SWNE	26.3	228	33E	wm!		3/1 through 10/31	
SENE	26.3	22S	33E	WM	. 31	3/1 through 10/31	
SWNW	26.3	22S	33E	WM `	. 31		
SENW	26.3	22S	33E	WM	3,1	3/1 through 10/31	
NESW	26.3	22S	33E	WM	:-31	3/1-through 10/31	
NWSW	26.3	22S	33E	WM	31	3/1 through 10/31	
swsw	31.5	22S	33E	WM	31	3/1 through 10/31	
SESW	31.5	228	33E	WM	31	3/1 through 10/31	
NESE	26.3	228	33E	WM	31	3/1 through 10/31	
NWSE	26.3	228	33E	WM	31	3/1 through 10/31	·

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Q-Q	Acres	Twp	Rng	Mer	Sec	PRIMARY IRRIGATION SEASON	SUPPLEMENTAL IRRIGATION SEASON
SWSE	31.5	22S	33E	WM	31	3/1 through 10/31	
SESE	31.5	22S	33E	WM	31	3/1 through 10/31	
SWNE	11.0	22S	33E	WM	32	3/1 through 3/31 and 10/2 through 10/31	4/1 through 10/1
SENE	11.2	22S	33E	WM	32	3/1 through 3/31 and 10/2 through 10/31	4/1 through 10/1
NENW	31.5	22S	33E	WM	32	3/1 through 10/31	
NWNW	31.5	22S	33E	WM	32	3/1 through 10/31	
SWNW	34.3	22S	33E	WM	32	3/1 through 10/31	
SENW	34.3	22S	33E	WM	32	3/1 through 10/31	
NESW	38.0	22S	33E	WM	32	3/1 through 10/31	
NWSW	38.0	22S	33E	WM	32	3/1 through 10/31	
swsw	40.0	22S	33E	WM	32	3/1 through 10/31	ų.
SESW	40.0	22S	33E	WM	32	3/1 through 10/31	
NESE	4.0	22S	33E	WM	32	3/1 through 10/31	
NESE	34.0	22S	33E	WM	32	3/1 through 3/31 and 10/2 through 10/31	4/1 through 10/1
NWSE	4.0	22S	33E	WM	32	3/1 through 10/31	
NWSE	32.0	22S	33E	WM	32	3/1 through 3/31 and 10/2 through 10/31	4/1 through 10/1
SWSE	40.0	22S	33E	WM	32	3/1 through 10/31	
SESE	40.0	22S	33E	WM	32	3/1 through 10/31	4

#### Measurement, recording and reporting conditions:

- A. Before water use may begin under this permit, the permittee shall install a totalizing flow meter or other suitable measuring device as approved by the Director at each point of appropriation. The permittee shall maintain the meter or measuring device in good working order.
- B. The permittee shall keep a complete record of the amount of water diverted each month, and shall submit a report which includes the recorded water-use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the permittee to report general water-use information, including the place and nature of use of water under the permit.
- C. The permittee shall allow the watermaster access to the meter or measuring device; provided however, where any meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

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D. The Director may provide an opportunity for the permittee to submit alternative measuring and reporting procedures for review and approval.

#### Static Water Level Conditions:

The Department requires the water user to obtain, from a qualified individual (see below), and report annual static water levels for each well on the permit. The static water level shall be measured in the month of March. Reports shall be submitted to the Department within 30 days of measurement.

The permittee shall report an initial March static water-level measurement once well construction is complete and annual measurements thereafter. Annual measurements are required whether or not the well is used. The first annual measurement will establish a reference level against which future measurements will be compared. However, the Director may establish the reference level based on an analysis of other water-level data. The Director may require the user to obtain and report additional water levels each year if more data are needed to evaluate the aquifer system.

All measurements shall be made by a certified water rights examiner, registered professional geologist, registered professional engineer, licensed well constructor or pump installer licensed by the Construction Contractors Board. Measurements shall be submitted on forms provided by, or specified by, the Department. Measurements shall be made with equipment that is accurate to at least the standards specified in OAR 690-217-0045. The Department requires the individual performing the measurement to:

- A. Associate each measurement with an owner's well name or number and a Department well log ID; and
- B. Report water levels to at least the nearest tenth of a foot as depth-to-water below ground surface; and
- C. Specify the method of measurement; and
- D. Certify the accuracy of all measurements and calculations reported to the Department.

The water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s) if any of the following events occur:

- A. Annual water-level measurements reveal an average water-level decline of three or more feet per year for five consecutive years; or
- B. Annual water-level measurements reveal a water-level decline of 15 or more feet in fewer than five consecutive years; or
- C. Annual water-level measurements reveal a water-level decline of 25 or more feet; or
- D. Hydraulic interference leads to a decline of 25 or more feet in any neighboring well with senior priority.

The period of restricted use shall continue until the water level rises above the decline level which triggered the action or the Department determines, based on the permittee's and/or the Department's data and analysis, that no action is necessary because the aquifer in question can sustain the observed declines without adversely impacting the resource or causing substantial interference with senior water rights. The water user shall not allow excessive decline, as defined in Commission rules, to occur within

Application G-17562

Water Resources Department

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the aquifer as a result of use under this permit. If more than one well is involved, the water user may submit an alternative measurement and reporting plan for review and approval by the Department.

#### Well Construction Conditions:

The well(s) shall be continuously cased and continuously sealed to a minimum depth of 100 feet below land surface. The well(s) may not be completed in such a manner to allow ground water to be developed from shallower water-bearing zones. If during well construction, it becomes apparent that the well can be constructed to eliminate interference with nearby shallow wells or hydraulically connected streams in a manner other than specified in this permit, the permittee can contact the Department Hydrogeologist for this permit or the Ground Water/Hydrology Section Manager to request approval of such construction. The request shall be in writing, and shall include a rough well log and a proposed construction design for approval by the Department. The request can be approved only if it is received and reviewed prior to placement of any permanent casing and sealing material. If the well is constructed first and then the request made, the requested modification will not be approved. If approved, the new well depth and construction specifications will be incorporated into any certificate issued for this permit.

#### Observation Well Condition:

The permittee shall construct one minimum six-inch diameter observation well to penetrate the same aquifer as the production wells. The observation well shall meet the Department's minimum well construction standards, and shall be cased and sealed to the same depth as the production wells. The observation well shall be constructed at a location approved by the Department prior to construction. The landowner or permittee shall provide Department staff access to the observation well to install and maintain continuous water-level monitoring equipment. The observation well shall not be used for any other purpose while the Department is monitoring water levels. The observation well shall be completed prior to any groundwater use under the terms of any groundwater permit issued. The Department may consider the use of an existing well that meets all the criteria described above.

#### Well Identification Tag Condition:

Prior to using water from any well listed on this permit, the permittee shall ensure that the well has been assigned an OWRD Well Identification Number (Well ID tag), which shall be permanently attached to the well. The Well ID shall be used as a reference in any correspondence regarding the well, including any reports of water use, water level, or pump test data.

#### Dedicated Measuring Tube Condition:

Wells with pumps shall be equipped with an unobstructed, dedicated measuring tube pursuant to figure 200-5 in OAR 690-200.

#### STANDARD CONDITIONS

Failure to comply with any of the provisions of this permit may result in action including, but not limited to, restrictions on the use, civil penalties, or cancellation of the permit.

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If the number, location, source, or construction of any well deviates from that proposed in the permit application or required by permit conditions, this permit may be subject to cancellation, unless the Department authorizes the change in writing.

If substantial interference with a senior water right occurs due to withdrawal of water from any well listed on this permit, then use of water from the well(s) shall be discontinued or reduced and/or the schedule of withdrawal shall be regulated until or unless the Department approves or implements an alternative administrative action to mitigate the interference. The Department encourages junior and senior appropriators to jointly develop plans to mitigate interferences.

The well(s) shall be constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works shall be equipped with a usable access port, and may also include an air line and pressure gauge adequate to determine water level elevation in the well at all times.

If the riparian area is disturbed in the process of developing a point of appropriation, the permittee shall be responsible for restoration and enhancement of such riparian area in accordance with ODFW's Fish and Wildlife Habitat Mitigation Policy OAR 635-415. For purposes of mitigation, the ODFW Fish and Wildlife Habitat Mitigation Goals and Standards, OAR 635-415, shall be followed.

The use may be restricted if the quality of downstream waters decreases to the point that those waters no longer meet state or federal water quality standards due to reduced flows.

Where two or more water users agree among themselves as to the manner of rotation in the use of water and such agreement is placed in writing and filed by such water users with the watermaster, and such rotation system does not infringe upon such prior rights of any water user not a party to such rotation plan, the watermaster shall distribute the water according to such agreement.

Prior to receiving a certificate of water right, the permit holder shall submit to the Water Resources Department the results of a pump test meeting the Department's standards for each point of appropriation (well), unless an exemption has been obtained in writing under OAR 690-217. The Director may require water-level/or pump test data every ten years thereafter.

This permit is for the beneficial use of water without waste. The water user is advised that new regulations may require the use of best practical technologies or conservation practices to achieve this end.

By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

Completion of construction and application of the water shall begin within five years of the date of permit issuance. If beneficial use of permitted water has not been made before this date, the permittee may submit an application for extension of time, which may be approved based upon the merit of the application.

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Within one year after making beneficial use of water, the permittee shall submit a claim of beneficial use, which includes a map and report, prepared by a Certified Water Rights Examiner.

Iccned

January, 31, 2018

Dwight French, Water Right Services Division Administrator

for Thomas M. Byler, Director