Groundwater Application Review Summary Form

Application # G- 18618
GW Reviewer Aurora Bouchie Date Review Completed: 4/30/2018
Summary of GW Availability and Injury Review:
[] Groundwater for the proposed use is either over appropriated, will not likely be available in the amounts requested without injury to prior water rights, OR will not likely be available within the capacity of the groundwater resource per Section B of the attached review form.
Summary of Potential for Substantial Interference Review:
[] There is the potential for substantial interference per Section C of the attached review form.
Summary of Well Construction Assessment:
[] The well does not appear to meet current well construction standards per Section D of the attached review form. Route through Well Construction and Compliance Section.
This is only a summary. Documentation is attached and should be read thoroughly to understand the basis for determinations and for conditions that may be necessary for a permit (if one is issued).

Version: 3/30/17

MEMO

of.

To:

Kristopher Byrd, Well Construction and Compliance Section Manager

From:

Joel Jeffery, Well Construction Program Coordinator

Subject:

Review of Water Right Application G-18618

Date:

September 27, 2018

The attached application was forwarded to the Well Construction and Compliance Section by Water Rights. Aurora Bouchier reviewed the application. Please see Aurora's Groundwater Review and the Well Log.

Applicant's Well #1 (DESC 765): Based on a review of the Well Report, Applicant's Well #1 appears to protect the groundwater resource.

The construction of Applicants Well #1 may not satisfy hydraulic connection issues.

amended 9/27/18 DESC 765

DESC 765

155/12E/36 ad

WATER WELL REPORT (as required by ORS 537.765)

APR 24 1991 FEB 1 1 1991

(as required by ORS 537.765)	RESOURCE	(START CARD) # 27	901
(1) OWNER: Well Num	ber:	CALLOCATION OF WELL by legal de	escription:
	- ALLEGOI	County Deschutersde	Longitude
Address 19910 Pine Lane		Township 155 North Range 12 E	E or W, WM.
City Bend, OR State	Zip 97701	County DeschutaRisde 12 E Township 15 S Not Range 12 E Section 406	1/4
(2) TYPE OF WORK:		Tax Lot 406 Lot Block Street Address of Well (or nearest address) 5310	Subdivision
New Well Deepen Recondition A	bandon	Street Address of Well (or nearest address) 5310	<u>SW Harvest Li</u>
(3) DRILL METHOD		Redmond, OR	
Rotary Air Rotary Mud Cable		(10) STATIC WATER LEVEL:	
Other		390 ft. below land surface.	Date 2-1-91
(4) PROPOSED USE:		3 9.0 ft. below land surface. Artesian pressure0 lb. per square inch.	Date 2-1-91
☐ Domestic ☐ Community ☐ Industrial 💆 Irriga		(11) WATER BEARING ZONES:	
☐ Thermal ☐ Injection ☐ Other			
5) BORE HOLE CONSTRUCTION:	151	Depth at which water was first found390	
pecial Construction approval Yes No Depth of Comple	ted Well 431 ft.	From To Estin 390 451	nated Flow Rate SWL
Explosives used Type Amount		390 451	358
HOLE SEAL	Amount		
Diameter From To Material From To	sacks or pounds		
12" 0 18'6" Bentonite0 18'6	10	(12) WELL LOG:	
- 10" 18'6"to 451'	10	Ground elevation	
		Material	From To SWL
How was seal placed: Method	ПЕ	Top Soil Broken Gray Basalt	0 3 12
How was seal placed: Method DA B C D D Other Poured Dry		Hard Gray Basalt	12 22
Backfill placed fromft. toft. Material		Medium Gray Baswalt	22 85
Gravel placed fromft, toft. Size of gravel _		Broken Sandstone	85 130
(6) CASING/LINER:		Medium Gravel	130 142
Diameter From To Gauge Steel Plastic		Broken Basalt	142 177
Casing: 8" +2 1816" 250 X		Hard Broken Br Basalt	177 189
Liner: 7" +2 4511.188 🗓 🗆		Medium Hard BrownBasalt	189 229
		Hard Brown Clay	229 309
taner		Brown Sandstone Dark Brown Sand (fine)	309 389 389 389 389 395
		Sandstone w/clav	395 426
"inal location of shoe(s)		Brown Sand& Conglomerate	373 720
7) PERFORATIONS/SCREENS:		(fine)	426 440
▼ Perforations Method Factory Per	fect	Hard Brown Clay	440 451
Screens Type Materia			
Slot Tele/pipe	0 1 11		
From To size Number Diameter size	Casing Liner		
390 450 1/8" 60 3"			
		Date started 1-7-91 Completed	2-1-91
		(unbonded) Water Well Constructor Certificat	ion:
(8) WELL TESTS: Minimum testing time is	1 hour Flowing	I certify that the work I performed on the co	onstruction, alteration, or
X Pump Bailer Air	Artesian	abandonment of this well is in compliance with (standards. Materials used and information reported	
Yield gal/min Drawdown Drill stem at	Time	knowledge and helief	
50 0 446	1 hr.	La tobat Kucha. W	WWC Number <u>1385</u> Date 2 - 6 - 9 1
В	low test	Signed Nobel Bucker D	ate 2 6 7
		(bonded) Water Well Constructor Certification	
Temperature of water56° Depth Artesian Flow	Found	I accept responsibility for the construction, alt work performed on this well during the construction	
Was a water analysis done? Yes By whom		work performed during this time is in compli	ance with Oregon well
Did any strata contain water not suitable for intended use? To		construction standards. This report is true to the b	WC Number 1385
Salty Muddy Odor Colored Other Depth of strata:			ate 2-6-9/
Depth of strate.		D. D	uvu



Application for Well ID Number

RECEIVED

Do not complete if the well already has a Well Identification Number.

MAY 1 1 2016

I. OWNER INFORMATION		W	ATER RESOURCES DEPT
Current Owner Name (please print): TEEKREE PARI	RISH		SALEM, OREGON
Mailing Address: 5310 SW HARVEST LN			
City, State, Zip: REDMOND OR 97756			
Mail Well ID Tag to: SAME AS ABOVE	In Care Of (C/O)		
Name & Address:	- , ,		
City, State, Zip:			
II. WELL LOCATION INFORMATION (Please fill of	out as completely as possil	ole)	
Township: 15 S (North / South) Range: 12 E			1/4 of the NE 1/4
Tax Lot (usually last 3-5 numbers of Tax Map #):			
GPS Coordinates: Street Address of Well, City: SAME AS ABOVE		-	
If the property had a different street address in the past:			
III CENEDAL WELL INCODMATION (Plans Cil.		I OVD I	
III. <u>GENERAL WELL INFORMATION</u> (Please fill of Use of Well (domestic, irrigation, commercial, industrial,			Well Log, if available)
Date Well Constructed (or property built): 2/1/1991			sing Diameter: 8"
Date wen Constructed (or property built):	lotal well Depth:	Ca	ring Diameter U
Owner at time the well was a section of difference SA	ME (WAS LARSON)	*** !! * !! ./! 4.	DESC 765
Owner at time the well was constructed (if known): SA	ME (WAS LARSON)		n): DESC 765
Owner at time the well was constructed (if known): SA Other Information:	ME (WAS LARSON)		n): DESC 765
Other Information:	ME (WAS LARSON) SH (VIA PHONE)		n): DESC 765
Other Information:	ME (WAS LARSON) SH (VIA PHONE)		n): DESC 765
Other Information:	ME (WAS LARSON) SH (VIA PHONE)		n): DESC 765
Other Information: SUBMITTED BY (please print): TEEKREE PARRIS PHONE: 541-516-8684 EMAIL Send application to: Oregon Water Resources Department 72	SH (VIA PHONE) 25 Summer St NE, Suite A,	Salem, Oregon 97301:	or fax to (503) 986-0902.
Other Information:	SH (VIA PHONE) 25 Summer St NE, Suite A,	Salem, Oregon 97301:	or fax to (503) 986-0902.
Other Information: SUBMITTED BY (please print): TEEKREE PARRIS PHONE: 541-516-8684 EMAIL Send application to: Oregon Water Resources Department 72	SH (VIA PHONE) 25 Summer St NE, Suite A,	Salem, Oregon 97301:	or fax to (503) 986-0902.
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Other Information: SUBMITTED BY (please print): TEEKREE PARRIS PHONE: 541-516-8684 EMAIL Send application to: Oregon Water Resources Department 72 Applications are processed in the order they are received, and	SH (VIA PHONE) L &/or FAX: 25 Summer St NE, Suite A, d Well ID Numbers are mai	Salem, Oregon 97301; led within 4-5 business	or fax to (503) 986-0902.

DGWSA IR CHECKLIST
Check Allocation Cap status. Is water available? Yes □ No (if no, deny) S:\groups\fs\programs\deschutes basin gw mitigation\Dept accounting and tracking
Div 9 □ will likely be available □ will not likely be available ↓ will, if properly conditioned
well has PSI with
GW conditions 7N, 7J
Other Conditions: (Not DGWSA conditions) Large-totalizing on all apps
Zone of Impact MIDDLE DESCHUTES RIVE Mitigation Obligation 3 6 deveket
(single number after decimal – ex- 9.2) Mitigation Factor reference link S:\groups\wr\Resource Center\DGWSA_DESCHUTES RELATED\mit oblig fact sheet and example calculation.doc
Agriculture: 0.5 x AF (total volume)=MODust Abatement: 1.0 x AF (total volume)=MO*Nursery Use: $0.5/1.0 \text{ x}$ AF (total volume)=MO
Mitigation Obligation Caclulation Examples: IRRIGATION: 6.5 (acres) x 1.8(AF) = 11.7 AF total mitigation obligation.
STORAGE OR POND MAINTENANCE: 2.67 AF x 6.25 acres of surface area = 16.7 AF of mitigation obligation for storage
INDUSTRIAL AND COMMERCIAL USES: The mitigation obligations are based on volume.
COMMERCIAL USE: $800 \text{ AF x } 0.15 = 120 \text{ AF total mitigation obligation.}$
*INDUSTRIAL USE: 800 AF x 0.10 = 80 AF total mitigation obligation.
MUNICIPAL AND QUASI-MUNICIPAL: 40% consumptive. They will mitigate for the average peak volume (see From M).
7500 AF x $.40 = 3000$ AF total mitigation obligation.
NOTE: Watch for the proposed use of water within a Qmuni application. If they're proposing a golf course, or a large percentage of the use will be for agriculture or irrigation, it is good to dialogue with them to determine it a mitigation obligation reflecting both a Muni/Qmuni rate and an irrigation rate is more appropriate. It will not change the language of a permit, only the amount of mitigation needed. (See G-16385 for an example of a Q-muni with irrigation)
AGRICULTURE: The consumptive factor for agriculture use is 50%.
*NURSERY USE: If total volume is greater than 1.8 AF per acre , the consumptive factor is 50%. If total volume is less than 1.8 AF per acre , consumptive factor is 100% (1:1).
POU conflict NA No No, different sources No, make up a deficiency in rate
□ Yes

Use is supplemental, check	ed for primary rights 🕱 NA 🗆 Y	es limits		
∠ Land use □ allowed outrig	ght □ not allowed □ being pursued	l □ not being pursued	decision obtained	☐ receipt only ☐ N/A
MU or QM ☑ NA □ w	ill complete const within 20 years	WMCP review done	- recommendations	
Authorized agent specified	□ NA □ needed ✓ Yes	John Short		
	agent □ CWRE □ a.l.o. □		vision (bottled water)	
Attach ☒ Desc Mit Rules ☒ NOMO ☐ other	-S:\groups\wr\Resource Center\DGV	WSA_DESCHUTES R	ELATED\forms\mitiga	tion rules
Fees CFS	Base	1340		
AF	Up to 1 CFS	350		
	Add'l CFS			
well(s)/POD(s)	Up to 20 AF	-		
	Add'l AF @ \$1		-	
use(s)	Add'l AF @ \$1		-	
	Add'lPOD/POA	_ use +	Mit Fee Req'd	\$670
	Exam Fee Required	1690	Rec Fee Req'd	<u>\$520</u>
	Exam Fee Paid	1690	Red Fee Paid	1190
	Still Owed	Ø	Owed before perm	nitØ
	Yes □ No □ ALO info □ ma	p □ legal		
Req'd before PFO	A □ LU approve/pursue □ ALC) info □ fees 🙇 N	ОМО	
✓ Req'd before permit □ N	A □ well repair □ LU □ eas	sement 💢 mitigation	☐ fees	
Scanned images exist for ap				
	Date: 5/16	Peer Revie	ewer: 16	5.18.18
	ed as a working document by Department staff			nosed Final Order, or Final

The purpose of this checklist is to be used as a working document by Department staff to aid in the production of the related Initial Review, Proposed Final Order, or Final Order. It is not intended to be a complete record of all factors which were considered to produce the document, nor is it intended to serve any purpose other than that stated above. The related Initial Review, Proposed Final Order, or Final Order is intended to stand alone as the record of factors considered in its production.

WATER RESO	URCES DEPARTMENT
MEMO	Date: April 30, 2018
TO:	Application: 18618
FROM: GW:	Aurora Bouchier (Reviewer's Name)
SUBJECT:	Scenic Waterway Interference & General/Local Surface Water Evaluation for Deschutes Ground Water Study Area
The source of Scenic Water	Sappropriation is within or above the Deschutes way.
Use the Sceni	c Waterway condition (Condition 7J).
PREPONDE	RANCE OF EVIDENCE FINDING UNDER ORS 390.835:
ground water free-flowing	has found that there is a preponderance of evidence that the proposed use of will measurably reduce the surface water flows necessary to maintain the character of the Deschutes Scenic Waterway in the description of the de
LOCALIZED	O IMPACT FINDING
	roposed use of ground water will have a localized impact to surface water River/Creek Subbasin.
pursuant to the within the idea Zone of Impa	ed impact box above is checked, then the water use under any right issued his application is presumed to have a localized impact on surface water entified subbasin. Mitigation of the impact, originating from within the Local lect identified by the Department, will be required before a permit may be proposed use.
issued pursua surface water	ted impact box above is not checked, then the water use under any right ant to this application is presumed to have a general (regional) impact on the Mitigation of the impact, originating anywhere within the Deschutes Basin adras gage, will be required before a permit may be issued for the proposed

use.

PUBLIC INTEREST REVIEW FOR GROUNDWATER APPLICATIONS

TO:		Water	r Rights Se	ection					Date	e	4/30/2	018		
FROM	:	Groun	ndwater Se	ection		Aurora	a C Boucl	nier						
CLIDIE	CIT.						ewer's Nam							
SUBJE	CT:	Appli	cation G-	18618		Su	persedes	rev	view of <u>na</u>			Date of Re	vian(a)	
												Date of Re	view(s)	
OAR 69 welfare, to determ the press	90-310-13 safety armine when umption	30 (1) 7 and healther the criteria.	The Departi th as descri e presumpti This revie	bed in ORS on is estable w is based	resume that 537.525. D ished. OAR upon avail	a proposo epartment 690-310- able infor	ed ground t staff rev 140 allov rmation a	iew vs th	ter use will of groundwate ne proposed agency poli	r applicat use be mo cies in pl	tions u odified lace at	nder OAl l or condi the time	R 690-31 tioned to of evalu	0-140 meet aation.
A. GEI	NEKAL	INFO	RMATIC	<u>)N</u> : A ₁	pplicant's N	lame:	Teekree	A. J	Parris		(County: _	Deschut	es
A1.									Deschutes					_Basin,
		Jpper D	Deschutes (C	General Zon	e)	subb	asin (For	ked	Horn Butte)					
A2.	Propose	d use _	Irrig	gation (2.0 a	cres)	Seas	sonality:	Irr	igation Seas	on				
A3.	Well an	d aquife	er data (atta	ach and nu	mber logs f	or existin	g wells;	mar	k proposed	wells as	such	under log	gid):	
Well	Logid	1	Applicant' Well #	s Propos	ed Aquifer*	Prop Rate			Location (T/R-S QQ-			tion, mete N, 1200'		
1	DESC 7	65	1	Desc	chutes Fm	0.0			15S/12E-36 SI			40; N, 825'		
2														
3 4		_				+								
5														
* Alluviu	ım, CRB,	Bedrock	(
	Well	First	T T		Well	Seal	Casing	,	Liner	Perforat	tions	Well	Draw	
Well	Elev	Water	SWL	SWL	Depth	Interval	Interval		Intervals	Or Scre		Yield	Down	Test
	ft msl	ft bls	ft bls	Date	(ft)	(ft)	(ft)		(ft)	(ft)		(gpm)	(ft)	Туре
1	3113	390	390	2/1/1991	451	0-18.5	-2-18.5	-	-2-451	390-4	51	50	Na	В
								-						
Use data	from appl	ication f	for proposed	wells.										
A4.	north-no	ortheast near Lak	. The water ke Billy Ch	level in the	well is bel	ow the De	schutes R	live	Deschutes ar at the near roundwater	est reach.	The n	earest lik	ely disch	arge
A5. 🛛	manage (Not all	ment of basin r	ules contair	ter hydraulid 1 such provi	cally connections.)	cted to sur	face water	er D	les relative te ☑ are , <i>or</i> □] are not,	, activa	ated by th	is applica	ation.
A6. 🗌	Name of	f admin nts:	istrative ar	ea:					(s) an aquife					

Version: 04/20/2015

Application G-18618

Date: 4/30/2018

B. GROUNDWATER AVAILABILITY CONSIDERATIONS, OAR 690-310-130, 400-010, 410-0070

1.	Bas	ed upon available data, I have determined that groundwater* for the proposed use:
	a.	is over appropriated, is not over appropriated, or cannot be determined to be over appropriated during any period of the proposed use. * This finding is limited to the groundwater portion of the over-appropriation determination as prescribed in OAR 690-310-130;
	b.	will not or will likely be available in the amounts requested without injury to prior water rights. * This finding is limited to the groundwater portion of the injury determination as prescribed in OAR 690-310-130;
	c.	\square will not or \square will likely to be available within the capacity of the groundwater resource; or
	d.	will, if properly conditioned, avoid injury to existing groundwater rights or to the groundwater resource: i. The permit should contain condition #(s) 7N, 7J ; ii. The permit should be conditioned as indicated in item 2 below. iii. The permit should contain special condition(s) as indicated in item 3 below;
	a.	Condition to allow groundwater production from no deeper than ft. below land surface;
	b.	Condition to allow groundwater production from no shallower than ft. below land surface;
	c.	Condition to allow groundwater production only from the groundwater reservoir between approximately ft. and ft. below land surface;
	d.	Well reconstruction is necessary to accomplish one or more of the above conditions. The problems that are likely to occur with this use and without reconstructing are cited below. Without reconstruction, I recommend withholding issuance of the permit until evidence of well reconstruction is filed with the Department and approved by the Groundwater Section.
		Describe injury –as related to water availability– that is likely to occur without well reconstruction (interference w/ senior water rights, not within the capacity of the resource, etc):
	Gro	oundwater availability remarks:
	to the well thes decl	nearest observation wells with similar well depths recently monitored are DESC 5045 (located approximately 9.5 miles be south-southwest in Bend) and DESC 3949 (located approximately 3.6 miles to the northeast in Redmond – NOTE: this was abandoned in July 2016). These wells have been measured periodically since the 1970's. The water level trend for two observation wells and other wells between Bend and Redmond with similar well construction depths show a ining water level of approximately 10-feet per decade since the early 1990's. The declining water levels have been buted to decreased recharge (the dominant factor accounting for approximately 60-70% of the measured decline) and eased pumping (accounting for 20-30% of the measured decline) (Gannett and Lite, 2013).

Date: 4/30/2018

C. GROUNDWATER/SURFACE WATER CONSIDERATIONS, OAR 690-09-040

C1. 690-09-040 (1): Evaluation of aquifer confin	confinement:
---	--------------

Well	Aquifer or Proposed Aquifer	Confined	Unconfined					
н								
asis for aquifer confinement evaluation:								

C2. **690-09-040** (2) (3): Evaluation of distance to, and hydraulic connection with, surface water sources. All wells located a horizontal distance less than ¼ mile from a surface water source that produce water from an unconfined aquifer shall be assumed to be hydraulically connected to the surface water source. Include in this table any streams located beyond one mile that are evaluated for PSI.

Well	SW #	Surface Water Name	GW Elev ft msl	SW Elev ft msl	Distance (ft)	Hydraulically Connected? YES NO ASSUMED		Potentia Subst. Int Assume YES	erfer.

Basis for aquifer hydraulic connection evaluation:	
Water Availability Basin the well(s) are located within:	

C3a. **690-09-040** (4): Evaluation of stream impacts for <u>each well</u> that has been determined or assumed to be **hydraulically** connected and less than 1 mile from a surface water source. Limit evaluation to instream rights and minimum stream flows that are pertinent to that surface water source, and not lower SW sources to which the stream under evaluation is tributary. Compare the requested rate against the 1% of 80% *natural* flow for the pertinent Water Availability Basin (WAB). If Q is not distributed by well, use full rate for each well. Any checked \boxtimes box indicates the well is assumed to have the potential to cause PSI.

Well	SW #	Well < ¹ / ₄ mile?	Qw > 5 cfs?	Instream Water Right ID	Instream Water Right Q (cfs)	Qw > 1% ISWR?	80% Natural Flow (cfs)	Qw > 1% of 80% Natural Flow?	Interference @ 30 days (%)	Potential for Subst. Interfer. Assumed?
									4	

Date: 4/30/2018

C3b. **690-09-040 (4):** Evaluation of stream impacts <u>by total appropriation</u> for all wells determined or assumed to be **hydraulically connected and less than 1 mile** from a surface water source. **Complete only if Q is distributed among wells**. Otherwise same evaluation and limitations apply as in C3a above.

SW #	Qw > 5 cfs?	Instream Water Right Q (cfs)	Qw > 1% ISWR?	80% Natural Flow (cfs)	Qw > 1% of 80% Natural Flow?	Interference @ 30 days (%)	Potential for Subst. Interfer. Assumed?
Comments:							

C4a. **690-09-040 (5):** Estimated impacts on **hydraulically connected surface water sources greater than one mile** as a percentage of the proposed pumping rate. Limit evaluation to the effects that will occur up to one year after pumping begins. This table encompasses the considerations required by 09-040 (5)(a), (b), (c) and (d), which are not included on this form. Use additional sheets if calculated flows from more than one WAB are required.

Non-D	istributed	Wells											
Well	SW#	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
		%	%	%	%	%	%	%	%	%	%	%	%
	as CFS												
Interfer	ence CFS												
Di-4il	uted Well										on the yarran		
Well	SW#	.s Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Well	3 11 11	%	%	%	74pi	%	%	%	Aug %	%	%	%	%
Well (as CFS	70	70	70	70	70	70	7/0	7/0	7/0	70	70	70
	ence CFS												
THICHTON	Chec Cr 5	%	%	%	%	%	%	%	%	%	%	%	%
Well () as CFS	70	70	70	70	70	70	70	70	70	70	70	70
	ence CFS												
		%	%	%	%	%	%	%	%	%	%	%	%
Well C	as CFS	70	70	70	7.0	70	70	70	70	70	70	70	70
	ence CFS												
		%	. %	%	%	%	%	%	%	%	%	%	%
Well (as CFS									,,		,,,	
Interfer	ence CFS												-
		%	%	%	%	%	%	%	%	%	%	%	%
Well C	as CFS												
Interfer	ence CFS												
		%	%	%	%	%	%	%	%	%	%	%	%
	as CFS												
Interfer	ence CFS												
(A) T	4-11-4-C				878 (80) (80)			0.000 10.000 10.000					
	otal Interf.											,	
	% Nat. Q												
$(\mathbf{C}) = 1$	% Nat. Q												
(D) = ((A) > (C)	✓	V	1	1	✓	V	✓	✓	V	1	/	1
$(\mathbf{E}) = (\mathbf{A}$	/ B) x 100	%	%	%	%	%	%	%	%	%	%	%	%

Application G-18618

Date: 4/30/2018

5

Page

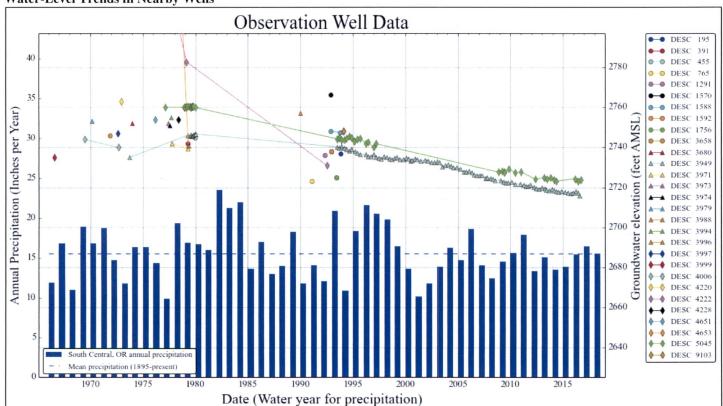
						-
-						
690-09-040 (5 Rights Sect	5) (b) The potential to tion.	impair or detr	rimentally affect t	he public intere	st is to be determ	ined by the Wa
under this per	onditioned, the surface is mit can be regulated if it is he permit should contain	t is found to sub	stantially interfere			groundwater us
	he permit should contain			in "Remarks" be	elow;	
🗀 .	ne permit snould contain		(0) 40 111011111			
🗀 .	ne permit snould contain	-	(0)			
			(0) 40			
	ks and Conditions:					
SW / GW Remar	ks and Conditions:					
SW / GW Remar	ks and Conditions:					
	ks and Conditions:					
SW / GW Remar References Used: Application file: C	ks and Conditions:		d S., and Collins, C	Charles A., 2001,		vdrology of the
References Used: Application file: C Gannett, Marshall Upper Deschutes I	ks and Conditions:	ological Survey E. Jr., 2013, Ana	d S., and Collins, C Water-Resources I	Charles A., 2001, nvestigations Re	port 00-4162. evel Changes in th	

Application G-18618 Date: 4/30/2018 Page 6

D. WELL CONSTRUCTION, OAR 690-200

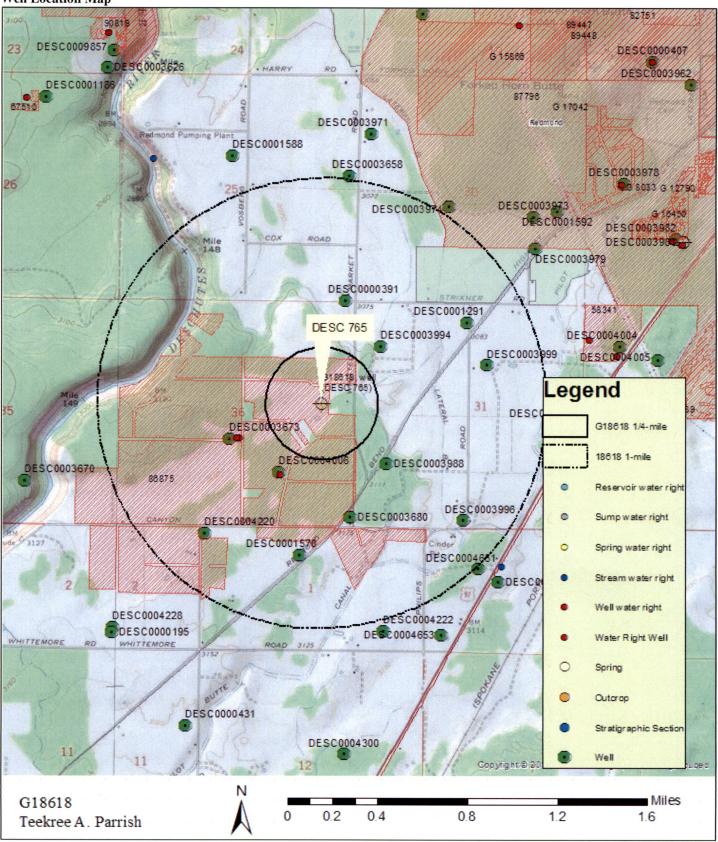
D1.	Well #:	Logid:	
D2.	a.	ELL does not appear to meet current well construction standards based upon: review of the well log; field inspection by report of CWRE other: (specify)	; ;
D3.	THE W	ELL construction deficiency or other comment is described as follows:	
D4 F	7 Douts 4		
D4. L	_ Koute t	to the Well Construction and Compliance Section for a review of existing well construction.	

Water-Level Trends in Nearby Wells



Date: 4/30/2018

Well Location Map



E-2 Standard Application Completeness Checklist

Yes No

For use with Groundwater and Surface Water Applications Only Minimum Requirements (OAR 690-310-0040)(ORS 537.400) For use by WRD staff only

Application G-18618 County Deschafes Priority Date 3/8/18
Township 155 Range 12E Section 36
Amount 12 gpm Use I renigation WM Dist. # 11 Applicant Name TEEKREE PARRISH
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Receipt No. 126033 Caseworker Assigned: Barbe Kim Lisa Scott
Applicant/Organization Name and Mailing Address
Signature of <i>all</i> applicants (include title or authority of representative if applicant is an organization or corporation). *Applicant's agent may NOT sign application.
Property ownership: Does the applicant own all the land for the proposed project? \square Y \square N <i>If No:</i>
\Box The affected landowner's name(s) and mailing address(s) must be listed
A signed statement declaring the existence of either written authorization or an easement permitting access to land crossed by the proposed ditch canal or other work <u>must</u> be submitted.
☐ For a SW Application: Source of water must be indicated.
☐ If the source is stored water, is the stored water component filled out and does the applicant own the reservoir or include a non-expired agreement for stored water? (ORS 537.400) NOTE: A surface water application cannot be filed at the same time as a Reservoir or Alt Reservoir if it will be for the use of the stored water under the PROPOSED Reservoir application, Exp. Secondary (E2)(ORS 537.147).
☐ If for stored water not under contract, is the source authorized under a permit, certificate, or decree?
Permit or Certificate issued
☐ For a GW Application: Well Development Tables completed and/or a well log report included (if existing)
Proposed water use
Amount of water from <i>each</i> source in GPM, CFS, or AF Period of use indicated If for supplemental irrigation, primary acreage or underlying permit or certificate number listed
(Primary and Supplemental Irrigation counts as 2 uses)
Water Management Section (Estimates if the water system has not been designed)
Resource Protection Section (N/A for Groundwater)
Project schedule (If system is already completed, indicate "existing.")

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	Supplemental data sheets enclosed (if needed)
	☐ Form M (Municipal or Quasi-Municipal)
	☐ Spring Description Sheet (if source is a spring)
2	A completed Land-Use Form or receipt signed and dated by the appropriate planning department officials. <i>Please be certain that the Land-Use form lists all lands involved and all uses proposed. Date of signature must be within the past 12 months.</i>
2	A Legal Description of all the properties involved where water is diverted, crossed, and used. The Legal description includes a metes and bounds or other government survey description. A copy of the deed, land sales contract or title insurance policy can provide this information, or applicant may submit a lot book report prepared by a title company. Copies of tax bills are not acceptable.
20	The proposed source <u>IS / IS NOT</u> (circle one) restricted or withdrawn from further appropriation. <i>NOTE: If it is withdrawn under ORS 538, return application and fees.</i>
ل	The map must meet all the minimum requirements of OAR 690-310-0050.
	Township, Range, Section
	Location of main canals, ditches, pipelines or flumes (if POA/POD is outside of POU)
	Place of use, 1/4-1/4's and tax lot clearly identified
	Even map scale not less than $4'' = 1$ mile $(1'' = 1320 \text{ ft.})$; examples: $1'' = 100 \text{ ft.}$, $1'' = 200 \text{ ft.}$
	Location of <i>each</i> diversion point or well by reference to a recognized public land survey corner. Multiple wells shall be uniquely labeled, and identified on well logs, if existing.
	Reference corner on map
	North Directional Symbol
	Number of acres per 1/4 1/4 if for irrigation, nursery, or agriculture
	Fees: Print out from Fee Calculator
	Total Fees \$ \(\frac{2880.00}{52.880.00} \) Fee Paid \$ \(\frac{2880.00}{52.880.00} \)
	Total Fees S 2,880.00 Fee Paid Amount Due S 6 + Motigation fue (\$670.60)
D.	E_{g} $= 3/g/18$