PUBLIC INTEREST REVIEW FOR GROUND WATER APPLICATIONS

TO:		Water	r Rights S	ection					Date	e	11/04/20	10		
FROM	:	Grou	nd Water/	Hydrology Se	ection	K. Li	te							
						Revi	iewer's	Name						
SUBJE	CT:	Appli	cation G-	17415		Su	perse	edes re	view of			Date of Re	• ()	
												Date of Re	view(s)	
OAR 69 welfare,	90-310-1 safety at	30 (1) 7 nd heal	The Depart th as descr	MPTION; G tment shall pre tibed in ORS 5. tion is establish	<i>sume tha</i> 37.525. E	<i>t a propos</i> Departmen	<i>sed gr</i> t staf	f review	v ground wat	ter ap	plications	under OA	AR 690-3	10-140
				ew is based up										
A. <u>GEN</u>	NERAL	INFO	RMATIO	<u>ON:</u> App	licant's N	Name: Dia	amon	nd Sum	ımit Home	own	ers (County:	Klama	th
A1.	Applica	nt(s) se	ek(s) <u>0.0</u>	<u>66</u> cfs from	1	well	(s) in	the	Deschutes					Basir
	(Crescer	nt Creek			subb	asin	Qu	ad Map: <u>0</u>	dell	Lake			
	D					G	1.		-					
A2. A3.	Propose Well an	d use: <u></u> d aquif	Mu er data (at t	inicipal tach and num	ber logs i	Seas for existin	sonalı 1g we	ity: <u> </u>	year arou rk proposed	nd d wel	ls as such	under lo	gid):	
		-	Applican	t'		_		,						
Well	Logid		Prop				Proposed Rate(cfs)					n, metes a N, 1200' E		
1	171 4 8			-	Aquifer*		·	24S/07E-07CAB						
1 2	KLAN	1 339	1	Alluv	lum	0.060	0.066 248/0		0/E-0/CAB 110		110'	S, 975' W	Ir Cente	r 57
3														
4 5														
	ım, CRB,	Bedrock	5											
	Well	First	<u>ann</u>	CIT II	Well	Seal	C	asing	Liner	Pe	rforations	Well	Draw	-
Well	Elev	Water	SWL ft bls	SWL Date	Depth	Interval	Int	ervals	Intervals		r Screens	Yield	Down	Test Type
	ft msl	ft bls			(ft)	(ft)		(ft)	(ft)		(ft)	(gpm)	(ft)	
1 2	4765	34	6	12/26/1977	200	0-30	0-5	0		30-	50	30	20	Р
3														
Use data	from app	lication	for proposed	d wells.	1	1	1		1	I		I	1	1
	~			ONGEDICE										
A4.				<u>CONSTRUCT</u> NDERLYING										

THE NORTHEAST. LOCAL FLOW PATHS ARE LIKELY TOWARDS CRESCENT CREEK. WELL IS LOCATED WITHIN THE USGS DESCHUTES GROUND WATER STUDY AREA AND SUBJECT TO DIVISION 690-505-0500 TO 06<u>20.</u>

A5. Provisions of the <u>Deschutes</u> Basin rules relative to the development, classification and/or management of ground water hydraulically connected to surface water 🛛 are, or 🗌 are not, activated by this application. (Not all basin rules contain such provisions.)

Comments: Within USGS Study Area Boundary.

A6. Well(s) #_____, ____, ____, ____, tap(s) an aquifer limited by an administrative restriction. Name of administrative area: ______

Comments:

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

- B1. **Based upon available data**, I have determined that <u>ground water</u>* 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 ground water 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 ground water portion of the injury determination as prescribed in OAR 690-310-130;
 - c. **will not** *or* **will** likely to be available within the capacity of the ground water resource; or
 - d. 🛛 will, if properly conditioned, avoid injury to existing ground water rights or to the ground water resource:
 - i. \square The permit should contain condition #(s) 7B, 7N
 - ii. \Box 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;

B2. a. Condition to allow ground water production from no deeper than ______ ft. below land surface;

- b. Condition to allow ground water production from no shallower than ______ ft. below land surface;
- c. Condition to allow ground water production only from the ______ ground water 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 Ground Water 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):

B3. Ground water availability remarks: <u>THE NEAREST STATE OBSERVATION WELL IS OBS WELL 1319</u> (KLAM 136), ABOUT 16.9 MILES TO THE EAST-NORTHEAST. IT HAS BEEN MONITORED PERIODICALLY <u>SINCE 1993. STATE OBSERVATION WELL 1319 APPEARS TO BE IN DYNAMIC EQUILIBRIUM. THE</u> LONG-TERM TREND SHOWS A DECADAL-SCALE WATER LEVEL FLUCTUATION THAT IS COINCIDENT WITH CLIMATE CYCLES. THE DECADAL FLUCTUATION HAS MAXIMUM AMPLITUDE OF APPROXIMATELY 5 FEET.

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

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

Aquifer or Proposed Aquifer	Confined	Unconfined

Basis 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 ¹/₄ 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	Potential Subst. Inte Assume YES	erfer.
								NO

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 each well 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 🛛 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?

C3b. 690-09-040 (4): Evaluation of stream impacts by total appropriation 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.

Sume evalu		utions up	p1) us iii eet	a aco : e.					
S' ŧ	W #	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?
Comments	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
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q	as CFS												
Interfer	ence CFS												
		-											
Distrit	outed Wel	ls											
Well	SW#	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q	as CFS												
Interfer	ence CFS												
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q													
Interfer	ence CFS												
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q													
Interfer	ence CFS												
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q	as CFS												
Interfer	ence CFS												
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q													
Interfer	ence CFS												
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q	as CFS												
Interfer	ence CFS												
				1									
	otal Interf.												
(B) = 80	% Nat. Q												
(C) = 1	% Nat. Q												
$(\mathbf{D}) = (A$	(C) > (C)	\checkmark											
(E) = (A)	/ B) x 100	%	%	%	%	%	%	%	%	%	%	%	%

(A) = total interference as CFS; (B) = WAB calculated natural flow at 80% exceed. as CFS; (C) = 1% of calculated natural flow at 80% exceed. as CFS; (D) = highlight the checkmark for each month where (A) is greater than (C); (E) = total interference divided by 80% flow as percentage.

690-09-040 (5) (b) The potential to impair or detrimentally affect the public interest is to be determined by the V Rights Section. If properly conditioned, the surface water source(s) can be adequately protected from interference, and/or ground wate under this permit can be regulated if it is found to substantially interfere with surface water: i The permit should contain condition (%) ii The permit should contain condition (s) as indicated in "Remarks" below; SW / GW Remarks and Conditions THE WELL IS COMPLETED IN ALLUVIUM THAT IS HYDRAULICALLY CONNECTED TO CRESCENT CREEK. THE CLOSE PROXIMITY OF THE WELL TO CRESCENT CREEK WISULT IN INTERFERENCE WITH SURFACE WATER. HOWEVER, THERE IS NO LOCAL ZONE OF IMPA N. THE DESCHITTES MITIGATION PROGRAM FOR CRESCENT CREEK. ONLY MITIGATION APPLIED TO CRESCENT CREEK ABOVE THE LOCATION OF THE PROPOSED POA WILL OFFSET THE IMPACT. CRESCENT CREEK ABOVE THE LOCATION OF THE PROPOSED POA WILL OFFSET THE IMPACT. References Used: USGS WRI REPORT 00-4162; USGS WRI REPORT 02-4015; USGS SIR 2007-5237; USGS GEO References Used: USGS WRI REPORT 00-4162; USGS WRI REPORT 02-4015; USGS SIR 2007-5237; USGS GEO		asis for impact evaluation:
Rights Section. If properly conditioned, the surface water source(s) can be adequately protected from interference, and/or ground wate under this permit can be regulated if it is found to substantially interfere with surface water: i. The permit should contain condition #(s) ii. The permit should contain special condition(s) as indicated in "Remarks" below; SW / GW Remarks and Conditions THE WELL IS COMPLETED IN ALLUVIUM THAT IS HYDRAULICALLY CONNECTED TO CRESCENT CREEK. THE CLOSE PROXIMITY OF THE WELL TO CRESCENT CREEK WEENLT IN INTERFERENCE WITH SURFACE WATER. HOWEVER, THERE IS NO LOCAL ZONE OF IMPA IN THE DESCHUTES MITIGATION PROGRAM FOR CRESCENT CREEK. ONLY MITIGATION APPLIED TO CRESCENT CREEK ABOVE THE LOCATION OF THE PROPOSED FOA WILL OFFSET THE IMPACT. CRESCENT CREEK ABOVE THE LOCATION OF THE PROPOSED FOA WILL OFFSET THE IMPACT. Image: Creation of the proposed point of the prop	-	
Rights Section. If properly conditioned, the surface water source(s) can be adequately protected from interference, and/or ground wate under this permit can be regulated if it is found to substantially interfere with surface water: i. The permit should contain condition #(s) ii. The permit should contain special condition(s) as indicated in "Remarks" below; SW / GW Remarks and Conditions THE WELL IS COMPLETED IN ALLUVIUM THAT IS HYDRAULICALLY CONNECTED TO CRESCENT CREEK. THE CLOSE PROXIMITY OF THE WELL TO CRESCENT CREEK WEENLT IN INTERFERENCE WITH SURFACE WATER. HOWEVER, THERE IS NO LOCAL ZONE OF IMPA IN THE DESCHUTES MITIGATION PROGRAM FOR CRESCENT CREEK. ONLY MITIGATION APPLIED TO CRESCENT CREEK ABOVE THE LOCATION OF THE PROPOSED FOA WILL OFFSET THE IMPACT. CRESCENT CREEK ABOVE THE LOCATION OF THE PROPOSED FOA WILL OFFSET THE IMPACT. Image: Creation of the proposed point of the prop	-	
Rights Section. If properly conditioned, the surface water source(s) can be adequately protected from interference, and/or ground wate under this permit can be regulated if it is found to substantially interfere with surface water: i. The permit should contain condition #(s) ii. The permit should contain special condition(s) as indicated in "Remarks" below; SW / GW Remarks and Conditions THE WELL IS COMPLETED IN ALLUVIUM THAT IS HYDRAULICALLY CONNECTED TO CRESCENT CREEK. THE CLOSE PROXIMITY OF THE WELL TO CRESCENT CREEK WEENLT IN INTERFERENCE WITH SURFACE WATER. HOWEVER, THERE IS NO LOCAL ZONE OF IMPA IN THE DESCHUTES MITIGATION PROGRAM FOR CRESCENT CREEK. ONLY MITIGATION APPLIED TO CRESCENT CREEK ABOVE THE LOCATION OF THE PROPOSED FOA WILL OFFSET THE IMPACT. CRESCENT CREEK ABOVE THE LOCATION OF THE PROPOSED FOA WILL OFFSET THE IMPACT. Image: Creation of the proposed point of the prop	-	
Rights Section. If properly conditioned, the surface water source(s) can be adequately protected from interference, and/or ground wate under this permit can be regulated if it is found to substantially interfere with surface water: i. The permit should contain condition #(s) ii. The permit should contain special condition(s) as indicated in "Remarks" below; SW / GW Remarks and Conditions THE WELL IS COMPLETED IN ALLUVIUM THAT IS HYDRAULICALLY CONNECTED TO CRESCENT CREEK. THE CLOSE PROXIMITY OF THE WELL TO CRESCENT CREEK WEENLT IN INTERFERENCE WITH SURFACE WATER. HOWEVER, THERE IS NO LOCAL ZONE OF IMPA IN THE DESCHUTES MITIGATION PROGRAM FOR CRESCENT CREEK. ONLY MITIGATION APPLIED TO CRESCENT CREEK ABOVE THE LOCATION OF THE PROPOSED FOA WILL OFFSET THE IMPACT. CRESCENT CREEK ABOVE THE LOCATION OF THE PROPOSED FOA WILL OFFSET THE IMPACT. Image: Creation of the proposed point of the prop	-	
Rights Section. If properly conditioned, the surface water source(s) can be adequately protected from interference, and/or ground wate under this permit can be regulated if it is found to substantially interfere with surface water: i. The permit should contain condition #(s) ii. The permit should contain special condition(s) as indicated in "Remarks" below; SW / GW Remarks and Conditions THE WELL IS COMPLETED IN ALLUVIUM THAT IS HYDRAULICALLY CONNECTED TO CRESCENT CREEK. THE CLOSE PROXIMITY OF THE WELL TO CRESCENT CREEK WEENLT IN INTERFERENCE WITH SURFACE WATER. HOWEVER, THERE IS NO LOCAL ZONE OF IMPA IN THE DESCHUTES MITIGATION PROGRAM FOR CRESCENT CREEK. ONLY MITIGATION APPLIED TO CRESCENT CREEK ABOVE THE LOCATION OF THE PROPOSED FOA WILL OFFSET THE IMPACT. CRESCENT CREEK ABOVE THE LOCATION OF THE PROPOSED FOA WILL OFFSET THE IMPACT. Image: Creation of the proposed point of the prop	-	
Rights Section. If properly conditioned, the surface water source(s) can be adequately protected from interference, and/or ground wate under this permit can be regulated if it is found to substantially interfere with surface water: i. The permit should contain condition #(s) ii. The permit should contain special condition(s) as indicated in "Remarks" below; SW / GW Remarks and Conditions THE WELL IS COMPLETED IN ALLUVIUM THAT IS HYDRAULICALLY CONNECTED TO CRESCENT CREEK. THE CLOSE PROXIMITY OF THE WELL TO CRESCENT CREEK WEENLT IN INTERFERENCE WITH SURFACE WATER. HOWEVER, THERE IS NO LOCAL ZONE OF IMPA IN THE DESCHUTES MITIGATION PROGRAM FOR CRESCENT CREEK. ONLY MITIGATION APPLIED TO CRESCENT CREEK ABOVE THE LOCATION OF THE PROPOSED FOA WILL OFFSET THE IMPACT. CRESCENT CREEK ABOVE THE LOCATION OF THE PROPOSED FOA WILL OFFSET THE IMPACT. Image: Creation of the proposed point of the prop	-	
Rights Section. If properly conditioned, the surface water source(s) can be adequately protected from interference, and/or ground wate under this permit can be regulated if it is found to substantially interfere with surface water: i. The permit should contain condition #(s) ii. The permit should contain special condition(s) as indicated in "Remarks" below; SW / GW Remarks and Conditions THE WELL IS COMPLETED IN ALLUVIUM THAT IS HYDRAULICALLY CONNECTED TO CRESCENT CREEK. THE CLOSE PROXIMITY OF THE WELL TO CRESCENT CREEK WEENLT IN INTERFERENCE WITH SURFACE WATER. HOWEVER, THERE IS NO LOCAL ZONE OF IMPA IN THE DESCHUTES MITIGATION PROGRAM FOR CRESCENT CREEK. ONLY MITIGATION APPLIED TO CRESCENT CREEK ABOVE THE LOCATION OF THE PROPOSED FOA WILL OFFSET THE IMPACT. CRESCENT CREEK ABOVE THE LOCATION OF THE PROPOSED FOA WILL OFFSET THE IMPACT. Image: Creation of the proposed point of the prop		
Rights Section. If properly conditioned, the surface water source(s) can be adequately protected from interference, and/or ground wate under this permit can be regulated if it is found to substantially interfere with surface water: i. The permit should contain condition #(s) ii. The permit should contain special condition(s) as indicated in "Remarks" below; SW / GW Remarks and Conditions THE WELL IS COMPLETED IN ALLUVIUM THAT IS HYDRAULICALLY CONNECTED TO CRESCENT CREEK. THE CLOSE PROXIMITY OF THE WELL TO CRESCENT CREEK WEENLT IN INTERFERENCE WITH SURFACE WATER. HOWEVER, THERE IS NO LOCAL ZONE OF IMPA IN THE DESCHUTES MITIGATION PROGRAM FOR CRESCENT CREEK. ONLY MITIGATION APPLIED TO CRESCENT CREEK ABOVE THE LOCATION OF THE PROPOSED FOA WILL OFFSET THE IMPACT. CRESCENT CREEK ABOVE THE LOCATION OF THE PROPOSED FOA WILL OFFSET THE IMPACT. Image: Creation of the proposed point of the prop	-	
Rights Section. If properly conditioned, the surface water source(s) can be adequately protected from interference, and/or ground wate under this permit can be regulated if it is found to substantially interfere with surface water: i. The permit should contain condition #(s) ii. The permit should contain special condition(s) as indicated in "Remarks" below; SW / GW Remarks and Conditions THE WELL IS COMPLETED IN ALLUVIUM THAT IS HYDRAULICALLY CONNECTED TO CRESCENT CREEK. THE CLOSE PROXIMITY OF THE WELL TO CRESCENT CREEK WEENLT IN INTERFERENCE WITH SURFACE WATER. HOWEVER, THERE IS NO LOCAL ZONE OF IMPA IN THE DESCHUTES MITIGATION PROGRAM FOR CRESCENT CREEK. ONLY MITIGATION APPLIED TO CRESCENT CREEK ABOVE THE LOCATION OF THE PROPOSED FOA WILL OFFSET THE IMPACT. CRESCENT CREEK ABOVE THE LOCATION OF THE PROPOSED FOA WILL OFFSET THE IMPACT. Image: Creation of the proposed point of the prop	-	
Rights Section. If properly conditioned, the surface water source(s) can be adequately protected from interference, and/or ground wate under this permit can be regulated if it is found to substantially interfere with surface water: i. The permit should contain condition #(s) ii. The permit should contain special condition(s) as indicated in "Remarks" below; SW / GW Remarks and Conditions THE WELL IS COMPLETED IN ALLUVIUM THAT IS HYDRAULICALLY CONNECTED TO CRESCENT CREEK. THE CLOSE PROXIMITY OF THE WELL TO CRESCENT CREEK WEENLT IN INTERFERENCE WITH SURFACE WATER. HOWEVER, THERE IS NO LOCAL ZONE OF IMPA IN THE DESCHUTES MITIGATION PROGRAM FOR CRESCENT CREEK. ONLY MITIGATION APPLIED TO CRESCENT CREEK ABOVE THE LOCATION OF THE PROPOSED FOA WILL OFFSET THE IMPACT. CRESCENT CREEK ABOVE THE LOCATION OF THE PROPOSED FOA WILL OFFSET THE IMPACT. Image: Creation of the proposed point of the prop	-	
under this permit can be regulated if it is found to substantially interfere with surface water: i. The permit should contain condition #(s) ii. The permit should contain special condition(s) as indicated in "Remarks" below; SW / GW Remarks and Conditions <u>THE WELL IS COMPLETED IN ALLUVIUM THAT IS HYDRAULICALLY</u> CONNECTED TO CRESCENT CREEK. THE CLOSE PROXIMITY OF THE WELL TO CRESCENT CREEK W RESULT IN INTERFERENCE WITH SURFACE WATER. HOWEVER, THERE IS NO LOCAL ZONE OF IMPA RESULT IN INTERFERENCE WITH SURFACE WATER. HOWEVER, THERE IS NO LOCAL ZONE OF IMPA RESULT IN INTERFERENCE WITH SURFACE WATER. HOWEVER, THERE IS NO LOCAL ZONE OF IMPA RESULT IN INTERFERENCE WITH SURFACE WATER. HOWEVER, THERE IS NO LOCAL ZONE OF IMPA RESCENT CREEK ABOVE THE LOCATION OF THE PROPOSED POA WILL OFFSET THE IMPACT.		
ii. The permit should contain special condition(s) as indicated in "Remarks" below; SW / GW Remarks and Conditions <u>THE WELL IS COMPLETED IN ALLUVIUM THAT IS HYDRAULICALLY</u> CONNECTED TO CRESCENT CREEK. THE CLOSE PROXIMITY OF THE WELL TO CRESCENT CREEK WITH SURFACE WATER. HOWEVER, THERE IS NO LOCAL ZONE OF IMPA IN THE DESCHUTES MITIGATION PROGRAM FOR CRESCENT CREEK. ONLY MITIGATION APPLIED TO CRESCENT CREEK ABOVE THE LOCATION OF THE PROPOSED POA WILL OFFSET THE IMPACT.		under this permit can be regulated if it is found to substantially interfere with surface water:
CONNECTED TO CRESCENT CREEK. THE CLOSE PROXIMITY OF THE WELL TO CRESCENT CREEK W RESULT IN INTERFERENCE WITH SURFACE WATER. HOWEVER, THERE IS NO LOCAL ZONE OF IMPA IN THE DESCHUTES MITIGATION PROGRAM FOR CRESCENT CREEK. ONLY MITIGATION APPLIED TO CRESCENT CREEK ABOVE THE LOCATION OF THE PROPOSED POA WILL OFFSET THE IMPACT.		ii. The permit should contain special condition(s) as indicated in "Remarks" below;
CONNECTED TO CRESCENT CREEK. THE CLOSE PROXIMITY OF THE WELL TO CRESCENT CREEK W RESULT IN INTERFERENCE WITH SURFACE WATER. HOWEVER, THERE IS NO LOCAL ZONE OF IMPA IN THE DESCHUTES MITIGATION PROGRAM FOR CRESCENT CREEK. ONLY MITIGATION APPLIED TO CRESCENT CREEK ABOVE THE LOCATION OF THE PROPOSED POA WILL OFFSET THE IMPACT.		
RESULT IN INTERFERENCE WITH SURFACE WATER. HOWEVER, THERE IS NO LOCAL ZONE OF IMPA IN THE DESCHUTES MITIGATION PROGRAM FOR CRESCENT CREEK. ONLY MITIGATION APPLIED T CRESCENT CREEK ABOVE THE LOCATION OF THE PROPOSED POA WILL OFFSET THE IMPACT.		
IN THE DESCHUTES MITIGATION PROGRAM FOR CRESCENT CREEK. ONLY MITIGATION APPLIED TO CRESCENT CREEK ABOVE THE LOCATION OF THE PROPOSED POA WILL OFFSET THE IMPACT.		
CRESCENT CREEK ABOVE THE LOCATION OF THE PROPOSED POA WILL OFFSET THE IMPACT.		
MAP I-2215; ODELL LAKE QUADRANGLE MAP; APPL. FILE G-17415; WELL REPORT KLAM 339; STATE	CT	
MAP I-2215; ODELL LAKE QUADRANGLE MAP; APPL. FILE G-17415; WELL REPORT KLAM 339; STATE	J.	ESCENT CREEK ABOVE THE LOCATION OF THE PROPOSED POA WILL OFFSET THE IMPACT.
MAP I-2215; ODELL LAKE QUADRANGLE MAP; APPL. FILE G-17415; WELL REPORT KLAM 339; STATE		ESCENT CREEK ABOVE THE LOCATION OF THE PROPOSED POA WILL OFFSET THE IMPACT.
MAP I-2215; ODELL LAKE QUADRANGLE MAP; APPL. FILE G-17415; WELL REPORT KLAM 339; STATE		ESCENT CREEK ABOVE THE LOCATION OF THE PROPOSED POA WILL OFFSET THE IMPACT.
MAP I-2215; ODELL LAKE QUADRANGLE MAP; APPL. FILE G-17415; WELL REPORT KLAM 339; STATE		ESCENT CREEK ABOVE THE LOCATION OF THE PROPOSED POA WILL OFFSET THE IMPACT.
MAP I-2215; ODELL LAKE QUADRANGLE MAP; APPL. FILE G-17415; WELL REPORT KLAM 339; STATE		ESCENT CREEK ABOVE THE LOCATION OF THE PROPOSED POA WILL OFFSET THE IMPACT.
MAP I-2215; ODELL LAKE QUADRANGLE MAP; APPL. FILE G-17415; WELL REPORT KLAM 339; STATE		ESCENT CREEK ABOVE THE LOCATION OF THE PROPOSED POA WILL OFFSET THE IMPACT.
MAP I-2215; ODELL LAKE QUADRANGLE MAP; APPL. FILE G-17415; WELL REPORT KLAM 339; STATE		ESCENT CREEK ABOVE THE LOCATION OF THE PROPOSED POA WILL OFFSET THE IMPACT.
MAP I-2215; ODELL LAKE QUADRANGLE MAP; APPL. FILE G-17415; WELL REPORT KLAM 339; STATE		ESCENT CREEK ABOVE THE LOCATION OF THE PROPOSED POA WILL OFFSET THE IMPACT.
MAP I-2215; ODELL LAKE QUADRANGLE MAP; APPL. FILE G-17415; WELL REPORT KLAM 339; STATE		ESCENT CREEK ABOVE THE LOCATION OF THE PROPOSED POA WILL OFFSET THE IMPACT.
MAP I-2215; ODELL LAKE QUADRANGLE MAP; APPL. FILE G-17415; WELL REPORT KLAM 339; STATE		ESCENT CREEK ABOVE THE LOCATION OF THE PROPOSED POA WILL OFFSET THE IMPACT.
MAP I-2215; ODELL LAKE QUADRANGLE MAP; APPL. FILE G-17415; WELL REPORT KLAM 339; STATE		ESCENT CREEK ABOVE THE LOCATION OF THE PROPOSED POA WILL OFFSET THE IMPACT.
MAP I-2215; ODELL LAKE QUADRANGLE MAP; APPL. FILE G-17415; WELL REPORT KLAM 339; STATE		ESCENT CREEK ABOVE THE LOCATION OF THE PROPOSED POA WILL OFFSET THE IMPACT.
MAP I-2215; ODELL LAKE QUADRANGLE MAP; APPL. FILE G-17415; WELL REPORT KLAM 339; STATE		ESCENT CREEK ABOVE THE LOCATION OF THE PROPOSED POA WILL OFFSET THE IMPACT.
MAP I-2215; ODELL LAKE QUADRANGLE MAP; APPL. FILE G-17415; WELL REPORT KLAM 339; STATE		ESCENT CREEK ABOVE THE LOCATION OF THE PROPOSED POA WILL OFFSET THE IMPACT.
MAP I-2215; ODELL LAKE QUADRANGLE MAP; APPL. FILE G-17415; WELL REPORT KLAM 339; STATE		ESCENT CREEK ABOVE THE LOCATION OF THE PROPOSED POA WILL OFFSET THE IMPACT.
MAP I-2215; ODELL LAKE QUADRANGLE MAP; APPL. FILE G-17415; WELL REPORT KLAM 339; STATE		ESCENT CREEK ABOVE THE LOCATION OF THE PROPOSED POA WILL OFFSET THE IMPACT.
MAP I-2215; ODELL LAKE QUADRANGLE MAP; APPL. FILE G-17415; WELL REPORT KLAM 339; STATE		ESCENT CREEK ABOVE THE LOCATION OF THE PROPOSED POA WILL OFFSET THE IMPACT.
MAP I-2215; ODELL LAKE QUADRANGLE MAP; APPL. FILE G-17415; WELL REPORT KLAM 339; STATE		ESCENT CREEK ABOVE THE LOCATION OF THE PROPOSED POA WILL OFFSET THE IMPACT.
MAP I-2215; ODELL LAKE QUADRANGLE MAP; APPL. FILE G-17415; WELL REPORT KLAM 339; STATE		ESCENT CREEK ABOVE THE LOCATION OF THE PROPOSED POA WILL OFFSET THE IMPACT.
MAP I-2215; ODELL LAKE QUADRANGLE MAP; APPL. FILE G-17415; WELL REPORT KLAM 339; STATE		ESCENT CREEK ABOVE THE LOCATION OF THE PROPOSED POA WILL OFFSET THE IMPACT.
		ESCENT CREEK ABOVE THE LOCATION OF THE PROPOSED POA WILL OFFSET THE IMPACT.
		erences Used: <u>USGS WRI REPORT 00-4162</u> ; USGS WRI REPORT 02-4015; USGS SIR 2007-5237; USGS GEO P 1-2215; ODELL LAKE QUADRANGLE MAP; APPL. FILE G-17415; WELL REPORT KLAM 339; STATE

, 200____.

D. <u>V</u>	WELL CONSTRUCTION, OAR 690-200
D1.	Well #: 1 Logid: KLAM 339
D2.	THE WELL does not meet current well construction standards based upon: a. review of the well log; b. field inspection by c. report of CWRE d. other: (specify)
D3.	THE WELL construction deficiency: a. constitutes a health threat under Division 200 rules; b. commingles water from more than one ground water reservoir; c. permits the loss of artesian head; d. permits the de-watering of one or more ground water reservoirs; e. other: (specify)
D4.	THE WELL construction deficiency is described as follows:
D5.	 THE WELL a. was, or was not constructed according to the standards in effect at the time of original construction or most recent modification. b. I don't know if it met standards at the time of construction.
D6.	Route to the Enforcement Section. I recommend withholding issuance of the permit until evidence of well reconstruction is filed with the Department and approved by the Enforcement Section and the Ground Water Section.

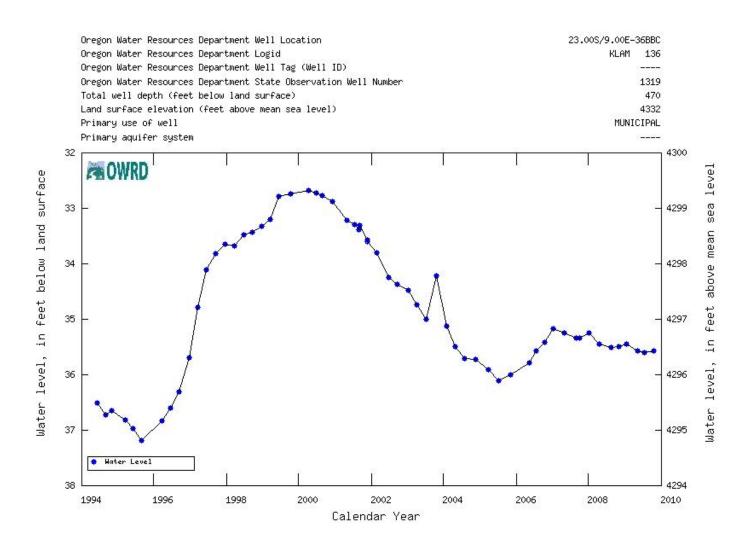
THIS SECTION TO BE COMPLETED BY ENFORCEMENT PERSONNEL

D7. Well construction deficiency has been corrected by the following actions:

(Enforcement Section Signature)

D8.
Begin Route to Water Rights Section (attach well reconstruction logs to this page).

STATE OBS WELL 1319 (KLAM 136) WATER LEVELS



WELL LOCATION MAP

