## Water Right Conditions Tracking Slip

Groundwater	r/Hydrolog	y Section
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	G-17052
ROUTED TO	· Water Rights
TOWNSHIP/	ION: 385/9E-36 66
RANGE-SECT	ION: 787/48-36 PP
CONDITIONS A	TTACHED? [1 yes [] no
	TTACHED? (Tyes () no URTHER INSTRUCTIONS:

## PUBLIC INTEREST REVIEW FOR GROUND WATER APPLICATIONS

TO:		Water Rights Section						Dat	e <u>July 23,</u>	2008		
FROM	:	Grou	nd Water/	Hydrology	Section _		ael Zwart					
SUBJE	CCT:	Appli	ication G-	17052			iewer's Name persedes re	eview of	_	Date of Re	view(s)	
oar 69 welfare, to determ the pres	90-310-1 safety as mine who umption	30 (1) and heal ether the criteria.	The Depart th as descr e presumpt	ibed in ORS ion is establi ew is based	resume the 537.525. ished. OAl upon ava	at a propos Department R 690-310- ilable infor	ed groundw t staff review 140 allows t mation and	v ground wat the proposed I agency pol	ensure the prese applications use be modified icies in place and	ervation of under OA	of the pub R 690-31 tioned to e of evalu	0-140 meet ation.
A1.	Applica	nt(s) se	eek(s) <u>0.1</u>	34_ cfs from	m <u>two</u>	well(		Klamath	 ltamont			_ Basin,
A2. A3.	Propose Well an					ling Seas	sonality:	Year Rou		under log	gid):	
Well  1 2 3 4	Log:	56417	Applicant Well #	Ac B	oposed quifer* asalt asalt	Propose Rate(cf 0.134 0.134	posed Location Location, metes and boun (cfs) (T/R-S QQ-Q) 2250' N, 1200' E fr NW co 134 38S/9E-36 NW-NW 820' S, 760' E fr NW cor			fr NW cor	S 36	
5	ım, CRB,	Dadaaal										
Well 1 2	Well Elev ft msl 4444 4418	First Water ft bls 236 362	SWL	SWL Date 11/12/07 10/26/07	Well Depth (ft) 346 902	Seal Interval (ft) 0-241 0-480	Casing Intervals (ft)  0-241  0-480	Liner Intervals (ft) None None	Perforations Or Screens (ft) None None	Well Yield (gpm) 90 60	Draw Down (ft)	Test Type Air Air
A4.	Comme	ents: <u>Bo</u>		vere request verse the pr	ocess dur	ing the coo	oling season		icant intends to			
713.	manage (Not all	ment of basin r	f ground wa ules contai	ater hydrauli n such provi	cally conn sions.)	ected to sur	rface water	are, or	are not, activ	ated by th	nis applica	ation.
A6. 🗌	Name o	f admin	nistrative ar	rea:					fer limited by an			triction.

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GR	OUN	ID WATER AVAILABILITY CONSIDERATIONS, OAR 690-310-130, 400-010, 410-0070
	Bas	ed upon available data, I have determined that ground water* for the proposed use:
	a.	is over appropriated, is not over appropriated, or is 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.	$\square$ will not or $\square$ 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.   The permit should contain condition #(s)7L  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 ground water production from no deeper than ft. below land surface;
	Ъ.	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 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 Groun 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):
	<u>this</u> hole	ound water availability remarks: RECOMMENDED CONDITION LANGUAGE: All water produced under permit shall be injected into the authorized well(s). Prior to receiving a certificate of water right, the permit der shall submit documentation affirming that any applicable additional requirements of the Department's ision 230 rules have been met.
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		<u> </u>

continued

Date: July 23, 2008

Application G-17052

Application G-17052	_continued	Date: July 23, 2008

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

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

Well	Aquifer or Proposed Aquifer	Confined	Unconfined
1,2	Basalt of Basin and Range (Tb2 of Sherrod & Pickthorn)		
Basis fo	r aquifer confinement evaluation: Heads in the wells are above	ve the depth that ground	water was first

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	Potential for Subst. Interfer. Assumed? YES NO
							<u> </u>

Basis for aquifer hydraulic connection evaluation: The use of ground water will be non-consu	mptive and there is no				
potential for substantial interference with any surface water sources.					
Water Availability Rasin the well(s) are located within. No WAR data available in this area					

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?

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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.

SW #	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: _	This section does	not apply.						

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.

	istributed	Wells											
Well	SW#	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
		- %	%	%	%	- %	- %	<b>%</b>	%	%	%	%	%
Well Q	as CFS				_								
	ence CFS												
Dietrib	uted Well	-											
Well	SW#	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
		%	%	%	- %	%	%	%	%	%	%	%	%
Well Q	as CFS												
	ence CFS												
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q	as CFS												
	ence CFS												
_		%	%	%	%	%	%	%	%	%	%	%	%
Well Q	as CFS				_		_						
	ence CFS												
		%	%	%	%	%	%	%	- %	%	- %	%	- %
Well Q	as CFS												
Interfere	ence CFS												
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q	as CFS					_							
Interfere	ence CFS												
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q	as CFS												
Interfere	nce CFS												
(A) = Tot	tal Interf.												
	% Nat. Q												_
(C) = 1 %													
(D) = (A	)>(C)												
	/ B) x 100	%	%	%	%	%	%	%	%	%	%	%	%
(2) (A)	, D) 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.

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ation G-17052continued	Date: <u>July 23, 2008</u>
Davis familiary and analysis	
Basis for impact evaluation:	
(00.00.040.(5).(1).771	1.
Disha Seeding	or detrimentally affect the public interest is to be determined by the
Rights Section.	
If properly conditioned the surface water some	rce(s) can be adequately protected from interference, and/or ground water
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 special of	condition(s) as indicated in "Remarks" below;
ii The permit should contain special of	condition(s) as indicated in Remarks below,
V / GW Remarks and Conditions	
ferences Used: Local well logs; local reviews	; Geologic Mapby Sherrod and Pickthorn, 1992, USGS Map I-21
	, <u> </u>

Applie	cation G- <u>17052</u>	continued ·	Date: <u>July 23, 2008</u>				
D. <u>W</u>	ELL CONSTRUCT	ION, OAR 690-200					
D1.	Well #:	Logid:					
D2.	a. review of the c. field inspect c. report of C	tion by WRE cify)	ndards based upon:	;			
D3.	b. commingle c. permits the d. permits the	ruction deficiency: a health threat under Division 200 rules s water from more than one ground wate loss of artesian head; de-watering of one or more ground wate cify)	er reservoir; eer reservoirs;				
D4.		•	ows:				
D5.	THE WELL	a. was, or was not constructed original construction or most re	I according to the standards in effect at the time o cent modification.	f			
		b. I don't know if it met standards	at the time of construction.				
D6.			Iding issuance of the permit until evidence of well ent Section and the Ground Water Section.	l reconstruction			
THIS	S SECTION TO BE	COMPLETED BY ENFORCEM	ENT PERSONNEL				
D7.	☐ Well construction d	eficiency has been corrected by the follo	owing actions:				
	(Enforceme	ent Section Signature)		, 200			
D8.	☐ Route to Water R	ights Section (attach well reconstructi	ion logs to this page).				
	_						

Date: July 23, 2008

## WATER RESOURCES DEPARTMENT

MEM	O								aly 2	3	00 <u> </u> 8	
TO: FROM: SUBJECT:		Application G- 17052  GW: Mike Zwot  (Reviewer's Name)  Scenic Waterway Interference Evaluation										
	YES  The source of appropriation is within or above a Scenic Waterway  NO											
	YES Use the Scenic Waterway condition (Condition 7J) NO											
Per ORS 390.835, the Ground Water Section is able to calculate ground water interference with surface water that contributes to a Scenic Waterway. The calculated interference is distributed below.  Per ORS 390.835, the Ground Water Section is unable to calculate ground water interference with surface water that contributes to a scenic waterway; therefore, the Department is unable to find that there is a preponderance of evidence that the proposed use will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway.												
Calcula calculat informin Exerci	te the per led, per ci ng Water se of thi	rcentage or riteria in Rights th is permi	390.835, at the De <sub>l</sub> t is calc	ptive use do not fil partment ulated to	by month l in the to is unable o reduce	ble but contone to make month	heck the ' a Prepon ly flows	'unable'' derance d s in <u>K</u>	option al of Eviden lanath	bove, thus ce finding	s. Scenic	
Waterway by the following amounts expressed as a proportion of the consumptive use by which surface water flow is reduced.												
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	

