Water Right Conditions Tracking Slip

Groundwater/Hydrology Section

FILE ## G-17082
ROUTED TO: Water Rights Michel
TOWNSHID!
RANGE-SECTION: 25/39E-17
CONDITIONS ATTACHED? [1 yes [1 no REMARKS OR FURTHER INSTRUCTIONS:
Reviewer: Mike Zwart

TO: Water Rights Section Date March 18, 2009 FROM: Ground Water/Hydrology Section Mike Zwart Reviewer's Name

FROM	:	Grou	nd Water	/Hydrol	ogy Section	_						_		
SUBJE	CT:	Appl	ication G	- 1708	32				Name edes rev	iew of	Novemb	er 12, 20	008	
												Date of Rev		
oar 69 welfare, to determ the pres	90-310-1 safety as mine who umption	30 (1) and heal ether the criteria	The Depar th as described presump This rev	tment sh ribed in tion is es iew is ba	ORS 537.525 stablished. OA	hat . De AR 6 aila	a propose epartment 590-310-1 ble infor	ed gr stafi 140 a mati	f review gallows the on and a	ground water e proposed u agency polic	nsure the preser applications use be modified ites in place at	nder OAl or condit the time	R 690-31 ioned to	0-140 meet
Al.								_			nde			Rasin
											bler			
A2. A3.					, 640 acres						ctober 31 wells as such u		:47.	
А3.	wen an	a aquii	· ·		u number iog	gs 10				· ·				
Well	Log	id	Applican Well #		Proposed Aquifer*		Proposed Rate(cfs)		Location (T/R-S QQ-Q)		Location, metes and bounds, e. 2250' N, 1200' E fr NW cor S 3			
1	Propo		1		Basalt		8.0		2S/39E-17 SE-NW		50'N, 50'E fr NW cor NE1/4 SW1/			1/4 S 17
3	Propo	sed	2		Basalt		8.0	+	2S/39E	E-17 SE-SW	90'N, 290'E fr SW cor SE'4 SW		1/4 S 17	
4				_				+						
5														
* Alluvit	ım, CRB,	Bedroc	k											
Weli	Well Elev ft msl	First Wate	r SWL	SWL Date	Well Depth (ft)		Seal Interval (ft)		Casing tervals (ft)	Liner Intervals (ft)	Perforations Or Screens (ft)	Well Yield (gpm)	Draw Down (ft)	Test Type
1	2740				2000-5000	_	000-5000	_	00-5000		(NOI /	2 1	
2	2740	-			2000-5000	20	000-5000	200	00-5000					
						L								
Use data	from app	lication	for propose	d wells.										
A4.			To: propose											
								_						
A5. 🛚	(Not all	basin ı	rules conta	in such	de Iraulically cor provisions.)						the developme are not, activa	ent, classi	fication a	and/or ation.

A6. Well(s) # ______, _____, tap(s) an aquifer limited by an administrative restriction.

Name of administrative area: ______

Comments: ______

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		C 17000	Date: March 18, 2009 2									
Applicat	tion:	G- <u>17082</u> continued	Date: March 18, 2009 2									
В. <u>GR</u> (<u>DUN</u>	D WATER AVAILABILITY CONSIDERATIONS, OAR 690-31	<u>0-130, 400-010, 410-0070</u>									
B1.	B1. Based upon available data, I have determined that ground water* for the proposed use:											
	a.	is over appropriated, is not over appropriated, or annot 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 is limited to the ground water portion of the injury determination as pres										
	c.	will not or will likely to be available within the capacity of the group	und water resource; or									
	d.	 will, if properly conditioned, avoid injury to existing ground water right. i. The permit should contain condition #(s) 7N ii. The permit should be conditioned as indicated in item 2 below iii. The permit should contain special condition(s) as indicated in item 2. 	. ;									
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 water reservoir;	basalt ground									
	d.	Well reconstruction is necessary to accomplish one or more of the abo occur with this use and without reconstructing are cited below. Without issuance of the permit until evidence of well reconstruction is filed with Water Section.	t reconstruction, I recommend withholding									
		Describe injury —as related to water availability— that is likely to occur v senior water rights, not within the capacity of the resource, etc):	vithout well reconstruction (interference w/									
B3. Ground water availability remarks:The nearest basalt well with a long-term record is about five miles. This well has displayed some water-level declines in the recent past, but themost recent measurements in levels have rebounded somewhat. Nearby wells with measurement requirements currently have insufficed determine water-level stability. Condition 7N should provide needed data in this area.												

plication: (G	17082	contin	ued			Ι	Date: March	18, 2009	3
GROUNI	D WA	TER/SUR	RFACE '	WATER C	ONSIDERA	ATIONS,	OAR 690-0	<u>09-040</u>		
690-09-0	040 (1)	: Evaluatio	n of aquit	er confinem	ent:					
Wel			Aquife	r or Propose		Confined	U	nconfined		
1,2										
						•				
Basis fo	or aqui	ifer confin	ement eva	aluation: <u>I</u>	Basalt aquifer	rs are typi	ically confine	ed; some nea	rby basalt we	lls flow.
horizo assum	ontal dis	stance less t	han ¼ mi ally conne	le from a sui	face water so	urce that p	roduce water	from an unco	es. All wells lo onfined aquife ms located be	
					GW	SW		Hydrau	dically	Potential for
Well	SW	S	urface Wa	ter Name	Elev	Elev	Distance	Conne		Subst. Interfer.
	#				ft msl	ft msl	(ft)		ASSUMED	Assumed?
⊢ ,		-		1 D:	27(0)	2/50	0,500		[-3	YES NO
1 2	1		rande Ror		2760±	2678	9500			
2	1	G	rande Ror	ide River	2760±	2678	9600		\dashv	
	_				-					H
-									片	
		+						H H	- H - +	
Colum	bia Riv	er Basalt i	rocks con	tributes to s	surface water	r <u>.</u>	-			ter in the deep
Water	Availa	bility Basii	n the well	l(s) are loca	ted within:	30810407	GR RONDI	E R> SNAKI	E R- AB WIL	LOW CR.
connec are pert the requ	ted and tinent to uested r	d less than that surfact ate against	1 mile from the water so the 1% of	om a surface ource, and n f 80% nature	water source. ot lower SW sal flow for the	Limit eva sources to pertinent	lluation to inst which the stre Water Availa	tream rights a eam under ev bility Basin (aluation is trib	stream flows that outary. Compare s not distributed
				Instream	Instream	Qw>	80%	Qw > 1%	Interference	Potential
Well	SW	Well <	Qw>	Water	Water	1%	Natural	of 80%	(a) 30 days	for Subst.
""	#	1/4 mile?	5 cfs?	Right	Right Q	ISWR?	Flow	Natural	(%)	Interfer.
<u> </u>	-			ID	(cfs)	.5	(cfs)	Flow?	(70)	Assumed?
							_	╀		
		├						 		
-						<u> </u>	+	+		+ + -
<u> </u>							-	+		
<u> </u>	-		H				+	+		
-							 	+		+
						ᅢ	+	 	_	

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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.

Well	stributed W SW#	Jan	Feb	Mar	Apr	May	Jun	Jul	Δυα	San	Oct	Nov	Dec
W CII	3 ** #	%	%	%	Api %	%	% Juii	% %	Aug %	Sep %	%	%	%
Wall O	as CFS	70	/0		70	/0	/0	70	/0	/6	/0	70	
	ence CFS												
merter	ence Cr3												
Distrib	uted Wells												
Well	SW#	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q	as CFS												
Interfer	ence CFS												
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q	as CFS												
Interfer	ence CFS					-							
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q	as CFS												
Interfer	ence CFS								-			_	
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q	as CFS												
Interfer	ence CFS												
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q	as CFS												
Interfer	ence CFS												
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q	as CFS												
Interfer	ence CFS												
(1) ==					10								
-	otal Interf.												
(B) = 80	% Nat. Q												
(C) = 1	% Nat. Q												
										100/100	198 THUR	Light Bridge Co.	and the same
$(\mathbf{D}) = (A$			-										
$(\mathbf{E}) = (\mathbf{A}$	/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.

Basis for impact evaluation:

olication: G- <u>17082</u>	continued	Date	e: March 18, 2009
. 690-09-040 (5) (b) The Rights Section.	potential to impair or detriment	tally affect the public int	erest is to be determined by the V
under this permit can be re	the surface water source(s) can be egulated if it is found to substantia ould contain condition #(s) 7J	lly interfere with surface	m interference, and/or ground water water:
ii. The permit sh	ould contain special condition(s)	as indicated in "Remarks"	below;
SW / GW Remarks and Cond	ditions:		
			_
	-		
			Water in the Grande Ronde Vall
Union Co., OR, by Brown an		ater Resources of the U	pper Grande Ronde River Basin,
Chion Co., OK, by Brown an	u Hampton, 1939.		
	-		

App	lication: G-	17082 co	ontinued		Date: March 18, 2009	6
D. <u>V</u>	VELL_CO	NSTRUCTION, C	OAR 690-200			
D1.	Well #:		_ Logid:			
D2.	a.	review of the well I field inspection by report of CWRE _			:	
D3.	a.	commingles water permits the loss of permits the de-water	threat under Division 200 r from more than one ground	water reservoir;		
D4.	THE W		•			
D5.	THE W	b. 🗆	original construction or mo I don't know if it met stand	st recent modification. ards at the time of constr		
D6.	Route is filed	to the Enforcement with the Department	Section. I recommend wit and approved by the Enfor	hholding issuance of the cement Section and the C	permit until evidence of well r Ground Water Section.	econstruction
TH	IS SECTIO	ON TO BE COM	PLETED BY ENFORC	EMENT PERSONNI	EL	
D7.	Well co	nstruction deficiency	y has been corrected by the	following actions:		
		(Enforcement Secti	on Signature)			, 200
D8.	Route	to Water Rights Se	ction (attach well reconstr	ruction logs to this page).	
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