Water Right Conditions Tracking Slip

Groundwater/Hydrology Section

FILE ## G-17073

ROUTED TO: Water Rights - Brook
TOWNSHIP!
RANGE-SECTION: 255/31E.9,10,16

CONDITIONS ATTACHED? [Myes [] no REMARKS OR FURTHER INSTRUCTIONS:

Reviewer Mike Zwart

PUBLIC INTEREST REVIEW FOR GROUND WATER APPLICATIONS

TO:		Wate	r Rights	Secti	ion		Date October 15, 2008							
FROM:	:	Grou	nd Water	/Hy	drology	Section	Mike	Zwart	-	1000	11			
SUBJE	CT:	Appli	ication G	- <u>1</u>	7073			ewer's Name persedes re	view of	LPCW 3	Date of Rev	view(s)		
OAR 69 welfare, to determent the press	90-310-13 safety an mine whe umption o	30 (1) and heal ther the criteria	The Depar th as desc e presump . This rev	tmer ribed tion iew i	nt shall part in ORS is establicis based	537.525. D shed. OAR upon avail	t a propose Department 690-310-1 able infor	ed groundwa staff review 140 allows th mation and	ground wate ne proposed t agency poli	ensure the prese er applications u use be modified cies in place at	nder OA or condit the time	R 690-31 tioned to	0-140 meet	
A. GEN A1.								ens		County: H	larney		 _Basin,	
		_			_		subb	oasin Qua	ad Map:Do	og Mountain				
A2. A3.	Proposed Well and				on, 280 a and nu			onality: g wells; mai		October 31 wells as such u	nder log	jid):		
Well	Logid Applicant's Well #			Propose	ed Aquifer*	Propose Rate(cfs	Proposed Location Rate(cfs) (T/R-S QQ-Q)			nd bounds				
1	HARN		1			iments	3.5	25S/3	31E-9 NE-NE	4100' 1	2250' N, 1200' E fr NW cor S 4100' N, 340' W fr SE cor			
3	HARN HARN		3	-		liments liments	3.5	25S/31E-9 NE-SE 25S/31E-10 NW-SV			1370' N, 1270' W fr SE co 1400' N, 620' E fr SE cor			
4	HARN		5	\exists		liments	3.5		1E-16 NW-N	E 1295' S, 2100'W fr SE cor S 9				
5	Propo		A		Sed	liments	3.5	258/	31E-9 SW-NE	E 480' S, 6	600'W fr	NE 1/16 c	or S 9	
* Alluviu	ım, CRB, l	Bedrocl	k											
Well	Well Elev ft msl	First Wate ft bls	r SWL	1	SWL Date	Well Depth (ft)	Seal Interval (ft)	Casing Intervals (ft)	Liner Intervals (ft)	Perforations Or Screens (ft)	Well Yield (gpm)	Draw Down (ft)	Test Type	
1	4110	12	12		9/79	165	0-18	-1-156	(10)	60-156	550	140	unk	
3	4105	19	6		1/79	180	0-18	-1-168		72-168	490	145	unk	
5	4105	32 28?	8 11		5/79 0/76?	205 142	0-18 0-18	-1-156 -1-142		60-156	550 869	90 53	unk P	
A	4110													
Use data	from appl	ication	for propose	ed we	lls.		_							
not ame	ed well A	incor indica	rectly refe te the pro	pose	es the N	E ¼ corne	r and show vell A, so l	uld instead I called the	reference th	proposed well e NE 1/16 corn verify that the ew map.	er. The	applicati	on was	
A5. ⊠	manager (Not all	ment of basin r	ules conta	vater iin su	hydrauli ich provi	cally conne sions.)	cted to sur	face water [□ are, or 🗵	o the developme	ited by th	is applica		
A6. □	Name of	f admir	nistrative a	irea:					p(s) an aquif	er limited by an	administ	rative res	triction.	

Version: 08/15/2003

Applio	cation:	G- <u>17073</u> contin	nued	Date: Octob	ber 15, 2008	2						
B. <u>G</u> I	ROUN	D WATER AVAILABI	LITY CONSIDERATION	NS, OAR 690-310-130, 400-	010, 410-0070							
B1.	Base	Based upon available data, I have determined that ground water* for the proposed use:										
	a.	a. ☐ is over appropriated, ☐ is not over appropriated, or ☒ cannot be determined to be over appropriated dur 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 lik is limited to the ground	ely be available in the amount I water portion of the injury d	es requested without injury to prietermination as prescribed in OA	for water rights. * This finding AR 690-310-130;	ng						
	c.	☐ will not or ☐ will like	cely to be available within the	capacity of the ground water res	source; or							
	d.	i. The permit shii. The permit sh	ould contain condition #(s) _ ould be conditioned as indica	ng ground water rights or to the 7N ted in item 2 below. n(s) as indicated in item 3 below		;						
B2.	a.	☐ Condition to allow gr	ound water production from r	o deeper than	ft. below land surface;							
	b.	☐ Condition to allow gr	ound water production from r	o shallower than	ft. below land surface;							
	c.	Condition to allow growater reservoir between	ound water production only from approximately	om the ft. below la	nd surface;	i						
	d.	occur with this use and	I without reconstructing are ci	or more of the above conditionated below. Without reconstruction is filed with the Department	on, I recommend withholdin	g						
				t is likely to occur without well rarce, etc):		v/						
В3.	Gro	ound water availability rer	marks: Region Manager Iva	an Gall recommends use of cond	litio <u>n</u> 7N in this basin.							
	_											
	_											

All		Aquifer or Prop	osed Aquifer			Confine	d	I	Inconfine	
	Basii	n-fill sediments (Qal an		port #16)						
					- 61					
					-	H			<u> </u>	
						H		-		
onnected	to surfa	onfinement evaluation: ce water, including Ma	lheur and Harne	ey Lakes.	sin till is gen	егапу	uncon	ined and n	y <u>draulica</u>	
hat are ev	valuated	raulically connected to the for PSI. Surface Water Name	GW Elev	GW SW Elev			Hydrau Conne	lically	Potential Subst. Inte	
			ft msl	ft msl	(ft)	YES	NO .	ASSUMED	YES	
							-			
								H H		
			Walter to	- Condition	cipho L. C					
						H	H			
				- Mallan			ō			
							-			
							1 1	11 1	\Box	
		1000			and a statement					
		ydraulic connection ev		e are no su	rface water s	ources	within	a mile of the	applican	
				e are no su	rface water s	ources	within	a mile of the	applican	
ells. Har	ney Lake		e south.					a mile of the	applican	

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?
			ğ				11			
	_						197			
									0.	

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: T	his section does	not apply						

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.

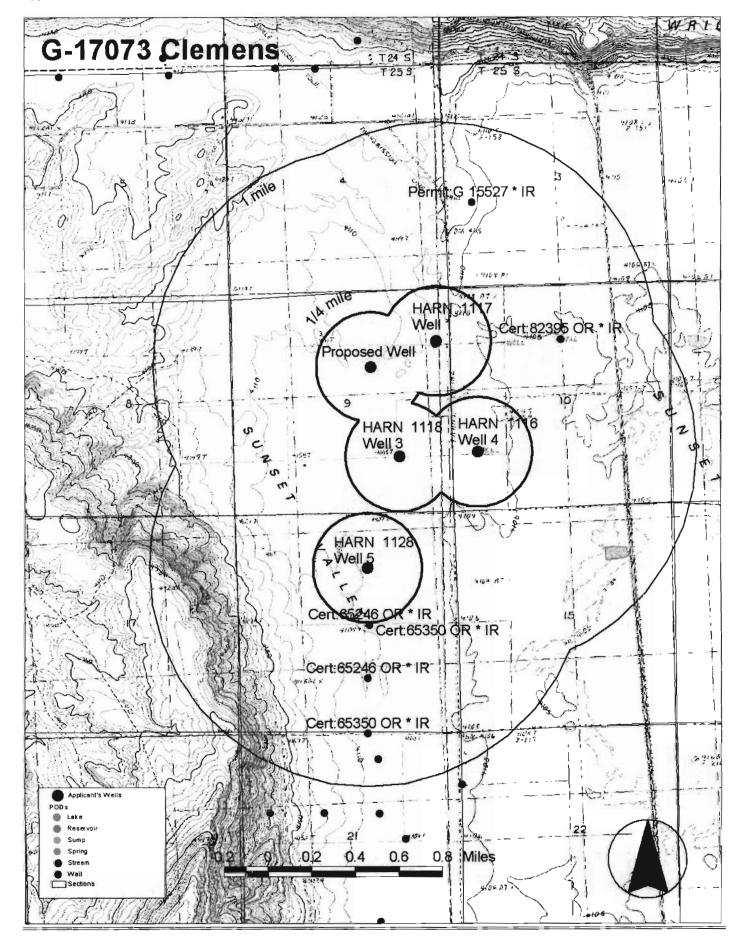
Non-Di	stributed W	/ells											
Well	SW#	Jan	_Feb	Mar	Apr	May	Jun_	Jul	Aug	Sep	Oct	Nov	Dec
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q	as CFS												
	ence CFS												_
~												-	
Well	uted Wells SW#	Jan	Feb	Mar	A	Mari	Ĭ	Test	A	C	0.4	Maria	D
well	3 W#	7an %	%	%	Apr %	May	Jun %	Jul %	Aug %	Sep	Oct	Nov %	Dec %
Well Q	or CES	/0	70	70	70	70	70	70	70	70	%	%	%
	ence CFS												
merici		%	%	%	%	%	%	%	%	%	%	%	%
Wall O	as CFS	70	/0	70				/0	/0	/0	70	70	70
	ence CFS												
Tittel ter		%	%	%	%	%	%	%	%	%	%	0/	0/
Well Q	os CES	/0		70	70	70	70	70	70	70	70	_%	%
	ence CFS												
THICHICH		%	%	%	%	%	%	%	%	%	%	%	%
Well Q	ac CES		70	- 70	70	/0	- 70	/0	/0	70	/0	70	70
	ence CFS												
HILCHICH	chec cr 3	%	%	%	%	%	%	%	%	%	%	%	%
Well Q	ac CES	76		/0	/0	/0	70	/0	/0	70	70	70	70
	ence CFS					_							
merici		%	%	%	%	%	%	%	%	%	%	%	%
Well O	as CFS	/0	70	- 70	70	70			/0	70	/0	/0	/0
	ence CFS												
				Name and Address		10 50 1							
(A) = Tc	otal Interf.												
(B) = 80	% Nat. Q								_				
	% Nat. Q						175 66-1	Barrier C		and the second second			
(D) = (A	A) > (C)					A STREET			1				_
	/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:

plication: G- 17073 continued	Date: October 15, 2008
690-09-040 (5) (b) The potential to impair or detriments Rights Section.	ally affect the public interest is to be determined by the Wate
☐ If properly conditioned, the surface water source(s) can be under this permit can be regulated if it is found to substantial i. ☐ The permit should contain condition #(s)	lly interfere with surface water:
ii. The permit should contain special condition(s) a	s indicated in "Remarks" below;
SW / GW Remarks and Conditions:	
References Used: <u>Local well logs; local recent reviews, espeteronard, 1970; Greene, Walker, and Corcoran, 1972, Geologic Investigations Map I-680; Memo by Review in the Malheur Lakes Basin.</u>	gic Map of the Burns Quadrangle, Oregon, USGS

Applic	ation: G- 17073 continued	Date. October 13, 2008
D. <u>W</u>	ELL CONSTRUCTION, OAR 690-200	
D1.	Well #: Logid:	
D2.	c. report of CWRE	n standards based upon:;;
D3.	THE WELL construction deficiency: a. constitutes a health threat under Division 200 b. commingles water from more than one ground c. permits the loss of artesian head; d. permits the de-watering of one or more ground e. other: (specify)	water reservoir; d water reservoirs;
D4.	THE WELL construction deficiency is described as	follows:
D5.	THE WELL a. was, or was not construction or m	ucted according to the standards in effect at the time of ost recent modification.
	b.	dards at the time of construction.
D6. [Route to the Enforcement Section. I recommend w is filed with the Department and approved by the Enfo	thholding issuance of the permit until evidence of well reconstruction rement Section and the Ground Water Section.
THIS	SECTION TO BE COMPLETED BY ENFORC	EMENT PERSONNEL
D7. [Well construction deficiency has been corrected by the	following actions:
	(Enforcement Section Signature)	
D8. [Route to Water Rights Section (attach well recons	ruction logs to this page).



WATER RESOURCES DEPARTMENT

MEM	10							0	tober	15,	200 8
TO: FROM SUBJ	M: IECT:		(R	eviewer's N	073 2 Vame) terferen		luation				
V	_YES _NO _YES _NO				riation is				enic Wa	terway	
	Per OI interfe	rence wated into	vith surferference 835, the vith surf ent is un osed us	ace wat e is dist e Ground ace wat nable to e will n	d Water er that cributed d Water er that confind the neasura	ontribu below. Section ontribu at ther bly red	tes to a is una tes to a re is a pluce the	ble to conscenic verepond	Waterwa alculate waterwa erance e water	ground y; there of evide flows	water
Calcula calcula informa Exerc Water	RIBUTI ate the per ting Water ise of the way by surface	rcentage riteria in Rights th is perm the follo	of consur 390.835, nat the De it is calc owing a	nptive use do not fi epartment culated t mounts	e by mont Il in the to is unable to reduc express	able but on the contract of th	check the a Prepor aly flow	"unable' nderance s in	option a of Evider	bove, thu nce findin	s g. Scenic
Jan	Feb	Mar	Apr	May May	Jun	Jul	Aug	Sep	Oct	Nov	Dec