Water Right Conditions Tracking Slip

Groundwater/Hydrology Section
FILE ## G-17071
ROUTED TO: Water Rights - Brook
TOWNSHIP!
RANGE-SECTION: 235/322E-1326
CONDITIONS ATTACHED? Lives [] no REMARKS OR FURTHER INSTRUCTIONS:
Reviewer: Mike Zwart

<u>PUBLIC INTEREST REVIEW FOR GROUND WATER APPLICATIONS</u>

TO:	Water Rights Section Date October 6, 2008											
FROM	:	Groun	nd Water	/Hydrology	Section _		Zwart		A - 2220 Halle			
SUBJE	CT:	Appli	cation G	- <u>17071</u>			ewer's Name persedes re	view of	27.07	Date of Rev	view(s)	
OAR 69 welfare, to deter	90-310-1 safety at mine whe	30 (1) 7 nd heali ether the	The Depar th as desc presump	ribed in ORS tion is establ	oresume tha 5 537.525. I ished. OAR	at a propos Department 690-310-	ed groundwe t staff review 140 allows tl	ground water ground grou	ensure the press er applications u use be modified cies in place at	inder OA or condit	R 690-31 tioned to	0-140 meet
A. GEN	ERAL II	NFORM	IATION:	Applicant's	Name: _	Tim Clem	ens		County: H	arney		
A1.	Applica	nt(s) se	ek(s) <u>1.</u>	5 cfs	from <u>1</u> w	vell(s) in th	ne	Malheur La	ake			_ Basin,
		<u>Malheu</u>	r Slough			subl	oasin Qu	ad Map: <u>C</u>	arson Point			
A2. A3.				rigation, 125. ttach and nu					October 31 wells as such t	ınder log	id):	
Well	Log	id	Applicar Well #		ed Aquifer*	Propose Rate(cf		Location (R-S QQ-Q)		Location, metes and bounds, e.g 2250' N, 1200' E fr NW cor S 36		
1	HARN:	51485	1		diments	1.5		2.5E-13 NW-9		1310' S, 650' E fr Center		
3												
4												
5 * Alluviu	ım, CRB,	Bedrock	:									
Well	Well Elev ft msl	First Water ft bls	ITINIC	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	4124		25	6/12/08	238.5	0-20	0-140	None	None	(8)/	(/	
Lise data	from ann	lication f	for propose	ed wells								
A4.	Comme	ents:	Conversa	ntion with app					is the recently i			
A5. 🛚	manage (Not all	ment of basin r	ules conta	vater hydrauli in such prov	ically conne isions.)	ected to sur	face water	are, or 🛚	o the developmed are not, activated	ited by th	is applica	ation.
A6. □	Name o	f admin	istrative a	,, , area:,					er limited by an	administ	rative res	triction.

Version: 08/15/2003

Applic	ation:	G- <u>17071</u>	continued			Date: Oct	ober 6, 2008	2			
р сп	OUN	JD WATED AN	VAII ADII ITV	CONSTREDAT	ΓΙΟΝS, OAR 690-	.310130 //00	L010 410.00 7 0				
							<u>010, 410-0070</u>				
B1.	Bas	ed upon availab	le data, I nave det	ermined that grou	nd water* for the pro	pposed use:					
	a.	period of the		This finding is li	mited to the ground v		be over appropriated during f the over-appropriation	g any			
	b.				nounts requested with ary determination as p		orior water rights. * This fin OAR 690-310-130;	ding			
	c.	☐ will not or	will likely to b	e available within	n the capacity of the	ground water r	esource; or				
	d.	i. 🔯 Th	e permit should co	ntain condition #6	(s) <u>7N</u>		e ground water resource:	;			
					ndicated in item 2 bel dition(s) as indicated		w;				
B2.	a.	☐ Condition	to allow ground w	ater production fr	om no deeper than _		ft. below land surface;				
	b.	☐ Condition	to allow ground w	ater production fr	om no shallower than	n	ft. below land surface;				
	c.	Condition to water reserv	to allow ground wa voir between appro	nter production on ximately	lly from the ft. and	ft. below 1	and surface;	ınd			
	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):									
В3.	Cr	ound water avai	lability ramarks	Region Manage	er Ivan Gall recomme	ends use of cor	ndition 7N in this basin.				
БЭ.				Region ividiage	er ivan Gan recomme	chas asc of cor	idition /19 III tills basiii.				
		_									
	_			_							

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Well 1 Basis for		Aquifer or Proposed n-fill sediments (Qal and To		oort #16)		Confine 	<u>u</u>		nconfined	_
Basis for		- This sediments (Qui and T	vs of G W Act							
Basis for										
Basis for								_		
Basis for						- 무-				_
Basis for										
	aquiier c	confinement evaluation: <u>G</u>	round water	in the ba	sin fill is gen	erally	uncon	fined and hy	draulical	y
connecte	d to surfa	ce water, including Malher	ur and Harne	y Lakes.						
Well	SW	Surface Water Name	ame GW Elev	SW Elev	Distance	Hydraulically Connected?			Potential for Subst. Interfer. Assumed?	
	"		ft msl	ft msl	(11)	YES	NO	ASSUMED	YES	Cu:
1	1	Malheur Slough	4099	4122	600		\boxtimes			
						-	+	<u> </u>		_
							\vdash		-	
\vdash						- =	∺	H	- H-	<u>\</u>
	- 1						\dashv	H	Ħ	-
-			The same of the same of							
				-	1-					i
	#		Elev ft msl	Elev ft msl	(ft)	and the same	NO .	ASSUMED	A	ssum

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 < ¼ 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?
							<u> </u>	

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	SW#	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q	as CFS												
	ence CFS												
	uted Wells		6.1					* 1		0			~
Well	SW#	Jan %	Feb	Mar %	Apr	May %	Jun %	Jul	Aug	Sep	Oct	Nov	Dec
Wall O	AT CEC	%	%	%	%	%	%	%	%	%	%	%	%
	as CFS ence CFS												
micrici	T	%	%	%	%	%	%	%	%	%	%	%	%
W-11 O	as CFS	/0	70	70	/0		/0	76	70	70	70	70	70
	ence CFS		-										
meriei	l ence CFS	%	%	%	%	%	%	%	%	%	%	%	%
Wall O	as CFS	70	70	70	70	70	70	70	70	70	70	70	70
	ence CFS												
mene		%	%	%	%	%	%	%	%	%	%	%	%
Well O	as CFS	70	70	70	70	70	76		70	70	/0	/0	70
	ence CFS												
***************************************		%	%	%	%	%	%	%	%	%	%	%	%
Well O	as CFS		,,,	,,,	,,,	,,,	7.0	70	,,,	70	,,	70	70
	ence CFS												
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q	as CFS												
	ence CFS												
(A) = T	otal Interf.				The state of the s								
	% Nat. Q												
	% Nat. Q												
\-/ ·			2	W		AL INC.							
(D) = (A	A) > (C)												
(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.

Basis for impact evaluation:

oplication: G- 17071 continued	Date: October 6, 2008
	
690-09-040 (5) (b) The potential to impair or detrimentally affect Rights Section.	t the public interest is to be determined by the Wa
☐ If properly conditioned, the surface water source(s) can be adequated under this permit can be regulated if it is found to substantially interfer i. ☐ The permit should contain condition #(s)	re with surface water:
ii. The permit should contain special condition(s) as indicate	ed in "Remarks" below;
SW / GW Remarks and Conditions:	
	
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-	
References Used: Local well logs; local recent reviews, especially G-Leonard, 1970; Greene, Walker, and Corcoran, 1972, Geologic Map of Miscellaneous Geologic Investigations Map I-680; Memo by Ivan Gall. Review in the Malheur Lakes Basin.	of the Burns Quadrangle, Oregon, USGS
	

Appı	ication: G- 1/0/1	continued	Date. October 0, 2008
D. <u>V</u>	VELL CONSTRUC	TION, OAR 690-200	
D1.	Well #:	Logid:	
D2.	a. review of b. field inspection. report of	CWREecify)	lards based upon:
D3.	a. constitute b. comming c. permits th d. permits th	struction deficiency: es a health threat under Division 200 rules; les water from more than one ground water ne loss of artesian head; ne de-watering of one or more ground water secify)	reservoirs;
D4.		•	s:
D5.	THE WELL	a. was, or was not constructed a original construction or most rece	ccording to the standards in effect at the time of nt modification.
		b. I don't know if it met standards at	the time of construction.
D6.		Forcement Section. I recommend withhold is epartment and approved by the Enforcement	ng issuance of the permit until evidence of well reconstruction t Section and the Ground Water Section.
THI	S SECTION TO B	E COMPLETED BY ENFORCEME	NT PERSONNEL
D7.	☐ Well construction	deficiency has been corrected by the follow	ing actions:
			, 200
	(Enforcer	ment Section Signature)	
D8.	☐ Route to Water	Rights Section (attach well reconstruction	ı logs to this page).

MALHEUR SL> MALHEUR L- AB NINEMILE SL MALHEUR LAKE BASIN

Water Availability as of 9/23/2008

Watershed ID #: 31200107

Exceedance Level:

50% ▼

Date: 9/23/2008

Time: 12:17 AM

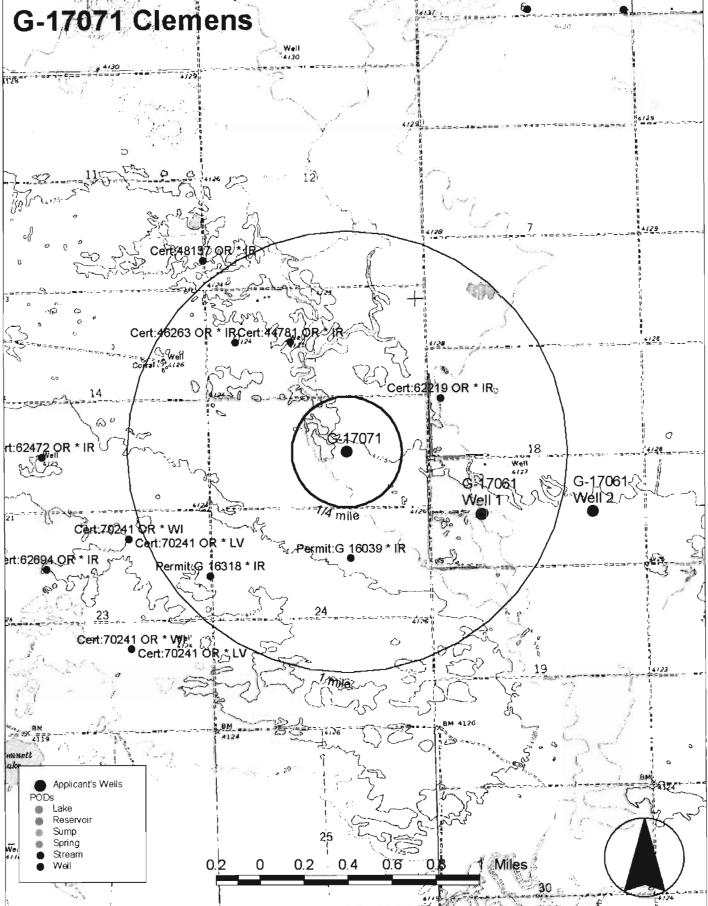
Water Availability Calculation Consumptive Uses and Storages Instream Requirements Reservations

Water Rights Watershed Characteristics

Water Availability Calculation

Monthly Streamflows in Cubic Feet per Second Storage at 50% Exceedance in Acre-Feet

		No. of the Control of				
Month	Natural Stream Flow	Consumptive Use and Storage	Expected Stream Flow	Reserved Stream Flow	Instream Requirement	Net Water Available
Jan	1.10	0.29	0.82	0.00	0.00	0.82
Feb	3.72	1.10	2.62	0.00	0.00	2.62
Mar	10.90	3.93	6.97	0.00	0.00	6.97
Apr	14.00	11.10	2.85	0.00	0.00	2.85
May	9.83	24.60	-14.80	0.00	0.00	-14.80
Jun	5.80	20.00	-14.20	0.00	0.00	-14.20
Jul	1.18	7.73	-6.55	0.00	0.00	-6.55
Aug	0.41	3.68	-3.27	0.00	0.00	-3.27
Sep	0.24	2.11	-1.87	0.00	0.00	-1.87
Oct	0.20	0.87	-0.67	0.00	0.00	-0.67
Nov	0.38	0.06	0.32	0.00	0.00	0.32
Dec	0.75	0.16	0.59	0.00	0.00	0.59
Storage Acre-Feet at 50%	7,670.00	4,580.00	4,910.00	0.00	0.00	4,910.00



WATER RESOURCES DEPARTMENT October 6,200 8 **MEMO** Application G- / fo 7 / TO: FROM: SUBJECT: 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. DISTRIBUTION OF INTERFERENCE Calculate the percentage of consumptive use by month and fill in the table below. If interference cannot be calculated, per criteria in 390.835, do not fill in the table but check the "unable" option above, thus informing Water Rights that the Department is unable to make a Preponderance of Evidence finding. Exercise of this permit is calculated to reduce monthly flows in Scenic Waterway by the following amounts expressed as a proportion of the consumptive use by which surface water flow is reduced. Feb Mar Oct Nov Jan Apr May Jun Jul Aug Sep Dec