	-
Water Right Conditions ' Tracking Slip	
Groundwater/Hydrology Section	
FILE # # G-17584 ROUTED TO: W.P. TOWNSHIP/ RANGE-SECTION: 4N/28E/0/ CONDITIONS ATTACHED?: 11 yes [] no	
REMARKS OR FURTHER INSTRUCTIONS:	
Reviewer: Wared Norton	

WATER RESOURCES DEPARTMENT

MEN	10							00	ober	<u>30</u> ,	20 9_2.
TO: FROI SUBJ	M: ÆCT:	GW:	(au-	758' AM Name) sterfere	tox nce Eva	lluation	ı		•	
	YES NO	The so	ource of	approp	riation i	s within	or abov	ve a Sce	nic Wat	terway	
	_YES _NO	Use th	e Sceni	c Water	way cor	ndition (Conditi	on 7J)			
	interfe calcula	rence wated inte	rith surf erferenc	ace wate e is dist	er that c ributed	ontribut below.	tes to a	Scenic V	ulate gro Waterwa	ay. The	
	interfe the De that th	rence w epartme ne prop	ith surfant is unosed us	ace wate nable to e will m	er that c find th reasura	ontribut at ther bly red	es to a se is a proceed the	scenic w reponde surface	vaterway erance (e e water nic wat	y; there of evide flows	fore,
Calcula alculai nformii	te the per ted, per c ng Water	riteria in Rights th	of consun 390.835, at the De	iptive use do not fii partment	e by mont Il in the to is unable	able but c to make	heck the a Prepon	"unable" iderance	If interfe option a of Eviden	bove, thu ce findin	s g.
Vater	way by		wing a	nounts	o reduce express				e consu		Scenic use by
an_	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
								1			

PUBLIC INTEREST REVIEW FOR GROUNDWATER APPLICATIONS

TO:		Water	Rights S	Section				Date	e Oct	ober 30	<u>, 201</u> 2	2	
FROM	:	Grou	ndwater S	ection	Marc No	rton							
SUBJE				17584		Su		eview of		Date	e of Rev	view(s)	
OAR 6 9 welfare, to deter	90-310-1 safety a mine who	30 (1) <i>T</i> <i>nd healt</i> ether the	The Depart th as descr presumpt	<i>ibed in ORS</i> ion is establ	resume that 537.525. D ished. OAR	a propos epartment 690-310-	ed ground staff revie 140 allows	water use will w groundwate the proposed d agency poli	r applicati use be mo	ons unde dified or	er OAF	R 690-310	0-140 meet
A. <u>GE</u>]	NERAL	<u>INFO</u>	RMATI	<u>ON</u> : A	pplicant's N	ame:	Benito Me	edelez		_ Cou	nty:	Umatilla	ı
A1.	Applica	int(s) se	ek(s) <u>0.2</u>	0 cfs from	m1	well(Umatilla R					_Basin,
A2. A3.	Propose Well an		Irr er data (att	igation ach and nu	mber logs f	Seas	onality:	March 1 – ark proposed	October	31 such und	er log	id):	
Well	Logic		Applicant Well #	Propos	ed Aquifer*	Prop Rate	(cfs)	Location (T/R-S QQ- 04N/28E-01 NV	-Q)	2250' N,	1200'	s and bour E fr NW c	or S 36
3 4	UMATS	7012				0.2	20	04N/28E-01 NV	WNW	260 S.	, 6/U E	III NW CO	<u> </u>
5 * Alluvit	ım, CRB,	Bedrock											
Well	Well Elev ft msl	First Water ft bls	SWL ft bls	SWL Date	Well Depth (ft)	Seal Interval (ft)	Casing Intervals (ft)	Liner Intervals (ft)	Perforati Or Scree	ens Y	Well lield	Draw Down (ft)	Test Type
2	520	143	77	4/25/2012	166	0 – 19	+1 - 148	129 – 166	139 – 1		150		Air
Use data	from app	lication 1	or proposed	d wells.			_						
A4.				Well Repor				ated the top o					
	Reques	ted disc	charge rat	e is 91 gpm		_							
A5. 🗌	manage (Not all	ment of basin r	ules contai	n such provi	sions.)	ted to sur	face water	rules relative t	are not,	activated	by thi	s applica	tion.
A6. 🗌	Name of	of admin	istrative a	,, , rea: <u>NA</u>		,	, 1	tap(s) an aquif	er limited	by an adı	minist	rative res	

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

Bas	sed upon available data, I have determined that ground water* 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 groundwater 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 groundwater 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 groundwater resource; or
d.	 will, if properly conditioned, avoid injury to existing groundwater rights or to the groundwater resource: i. The permit should contain condition #(s) 7B - Interference, 7N - Annual WL (February/March), 7P - Well Tag, 7T - Measuring Tube, Large measuring and reporting with flow meter on each well 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 groundwater production from no deeper than ft. below land surface;
b.	Condition to allow groundwater production from no shallower than ft. below land surface;
c.	Condition to allow groundwater production only from the groundwater reservoir;
d.	Condition to allow production only from a single aquifer in the Columbia River Basalt groundwater reservoir;
e.	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 Groundwater 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):
	oundwater availability remarks: <u>Groundwater levels in nearby alluvial wells indicate a fairly stable shallow</u> vial system.
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C. GROUND WATER/SURFACE WATER CONSIDERATIONS, OAR 690-09-040

C1.	690-09-040	(1):	Evaluation	of ac	quifer	confinement:
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Basis for aquifer confinement evaluation:	Groundwater levels rose above where water was encountered during
construction.	

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 PS1.

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

Basis for aquifer hydraulic connection evaluation: mile.	There are no surface water sources other than canals within one
Water Availability Basin the well(s) are located with	hin:
water Availability Dasin the wen(s) are located with	

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 \(\subseteq \) 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

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	istributed ' SW#	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
WCII		%	%	%	%	%	%	%	%	%	%	%	%
Well O	as CFS		70	70				- 70					
	ence CFS												
Interrer	chec er s												
Distrib	uted Wells	3											_
Well	SW#	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
		%	%	%	%	%	%	%	%	%	%	%	%
	as CFS												
Interfere	ence CFS												
		%	%	%	_%	%	%	%	%	%	%	%	%
Well Q	as CFS												
Interfere	ence CFS												
		%	%	%	%	%	%	%	%	%	%	%	
Well Q	as CFS									_			
Interfer	ence CFS												
		%	%	%	%	%	%	%	<u>%</u>	%	%	%	9/
Well (as CFS												
Interfer	ence CFS												
		%	%	%	%	%	%	%	%	%	%	%	9/
Well	Q as CFS												
	ence CFS												
		%	%	%	%	%	%	%	%	%	%	%	9/
Well (Q as CFS												
	ence CFS												
(A) - T	-4-1 I-4-uf												
	otal Interf.												_
	% Nat. Q												
(C) = 1	% Nat. Q												
(D) =	(A) > (C)											b	
	/ 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.

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-	Basis for impact evaluation:				
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	690-09-040 (5) (b) The potential to impair or detrimentally affect the public interest is to be determined by the W. Rights Section.				
	If properly conditioned, the surface water source(s) can be adequately protected from interference, and/or groundwunder this permit can be regulated if it is found to substantially interfere with surface water: i. The permit should contain condition #(s)	water			
	ii. The permit should contain special condition(s) as indicated in "Remarks" below;				
SV	V / GW Remarks and Conditions				
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	ferences Used:				
Re	referees Used				
Re	references used.				
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Re	Telefices Used.				
Re	references used.				

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Application G-17584

D. WELL CONSTRUCTION, OAR 690-200

D1.	Well #	#: <u>2</u>	Logid:	UMAT 57012
D2.	a.	review of field inspector of (ction by	on standards based upon:;;
D3.	a. ☐ b. ☐ c. ☑ d. ☐	constitutes commingl permits th permits th	ruction deficiency: a health threat under Division 200 es water from more than one ground e loss of artesian head; e de-watering of one or more ground ecify)	dwater reservoir; dwater reservoirs;
D4.				follows: The well penetrated an artesian aquifer at a depth of 143 hould be seal 5 feet into the confining layer at 134 – 143 feet.
D5.	THE	WELL	original construction or mo	ructed according to the standards in effect at the time of ost recent modification. dards at the time of construction.
D6.				ithholding issuance of the permit until evidence of well reconstruction rement Section and the Groundwater Section.
TH	IS SECTI	ION TO BE	COMPLETED BY ENFORC	CEMENT PERSONNEL
D7.	Well o	construction o	leficiency has been corrected by the	e following actions:
D8.	☐ Rout		ent Section Signature)	

