

**Water Right Conditions
Tracking Slip**

Groundwater/Hydrology Section

FILE ** G-15921
ROUTED TO: Water Rights
TOWNSHIP/
RANGE-SECTION: 25/38E-1dd

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

Reviewer: Michael Zwart

TO: Water Rights Section May 21, 2003
 FROM: Ground Water/Hydrology Section Michael Zwart
 SUBJECT: Application G- 15921 Reviewer's Name
Supersedes review of N/A Date of Review(s)

PUBLIC INTEREST PRESUMPTION; GROUNDWATER

OAR 690-310-130 (1) The Department shall presume that a proposed groundwater use will ensure the preservation of the public welfare, safety and health as described in ORS 537.525. Department staff review ground water applications under OAR 690-310-140 to determine whether the presumption is established. OAR 690-310-140 allows the proposed use be modified or conditioned to meet the presumption criteria. **This review is based upon available information and agency policies in place at the time of evaluation.**

A. GENERAL INFORMATION: Applicant's Name: John and Marita Cuthbert

A1. Applicant(s) seek(s) 1.269 cfs from 1 well(s) in the Grande Ronde Basin,
 _____ subbasin Quad Map: Imbler

A2. Proposed use: irrigation, 101.54 ac. primary Seasonality: March 1 to October 31

A3. Well and aquifer data (attach and number logs for existing wells; mark proposed wells as such under logid):

Well	Logid	Proposed Aquifer*	Proposed Rate(cfs)	Location (T/R-S QQ-Q)	Location, metes and bounds, example: 2250' N, 1200' E fr NW cor S 36
<u>4</u>	<u>UN10 2566</u>	<u>Alluvium</u>	<u>1.269</u>	<u>25/38E-1 SE-SE</u>	<u>50' N, 250' W fr. SE cor Sec. 1</u>
2					
3					
4					
5					

* Alluvium, CRB, Bedrock

Well	Well Elev ft msl	First Water ft bls	SWL ft bls	SWL Date	Well Depth (ft)	Seal Interval	Casing Intervals	Liner Intervals	Perforations Or Screens	Well Yield	Draw Down	Test Type
<u>4</u>	<u>2778</u>	<u>76</u>	<u>87</u>	<u>4/12/95</u>	<u>943</u>	<u>0-36</u>	<u>0-943</u>	<u>-</u>	<u>542-562</u>	<u>900</u>	<u>425</u>	<u>Pump</u>
							<u>except perf intervals</u>		<u>579-589</u>			
									<u>606-616</u>			
									<u>640-650</u>			
									<u>660-680</u>			
									<u>735-746</u>			
									<u>780-790</u>			
									<u>805-820</u>			
									<u>840-860</u>			
									<u>898-908, 923-933</u>			

Use data from application for proposed wells.

A4. Comments: Owner well #4. Well is gravel pack from 36-1000'
Log indicates all sand + gravel below 76' is water bearing.

A5. Provisions of the _____ Basin rules relative to the development, classification and/or management of ground water hydraulically connected to surface water are, or are not, activated by this application. (Not all basin rules contain such provisions.)
 Comments: _____

A6. Well(s) # _____, _____, _____, _____, _____, tap(s) an aquifer limited by an administrative restriction.
 Name of administrative area: _____
 Comments: _____

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?
	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>

Comments: This section not applicable: well > 1 mile from SW sources

C4a. **690-09-040 (5):** Estimated impacts on surface water sources as percent or qualitative fraction* of proposed pumping rate. Limit evaluation to one year of pumping.

Well	SW#	Jan	Feb	Mar*	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1	VL											VL
1	2	VL											VL

*VL = Very Low (<5%), L = Low (5-25%), I = Intermediate (25-75%), H = High (>75%).

Basis for impact evaluation: _____

C4b. **690-09-040 (5):** Evaluation of paragraphs under subsection 5. A determination of **Low** denotes no connection or a very indirect connection between surface water and ground water; **High** denotes hydraulic connection that would likely reduce surface water availability in the first year of pumping. Do not equate "Low" and "High" between C4a and C4b.

- (a) The potential to reduce surface water availability in Grande Ronde Riv. is **Low** or **High**
- The potential to reduce surface water availability in Canyon Creek is **Low** or **High**
- The potential to reduce surface water availability in _____ is **Low** or **High**
- The potential to reduce surface water availability in _____ is **Low** or **High**

Basis: Although hydraulic connection exists, the distance to the SW sources is great enough that reduction in SW availability during 1st year of pump is low.

(b) The potential to impair or detrimentally affect the public interest is to be determined by the Water Rights Section.

C4b. 690-09-040 (5): Evaluation of paragraphs under subsection 5 continued.

(c) The **percentage** of appropriation in the first year of use that will be at the expense of surface water Approx. 1-3%
Basis: Used stream depletion analytical programs.

(d) The timing of interference will be immediate (within one year), or delayed;
Basis: see above

(e) The potential for cumulative adverse impacts: A graphical distribution of POAs and summary of permitted rights
 are or are not available at this time of review.

Impacted stream	Impacted basin or sub-basin	Existing Ground Water Rights (cfs)

Comments: _____

C5. **If properly conditioned**, the surface water source(s) can be adequately protected from interference, and/or ground water use under this permit can be regulated if it is found to substantially interfere with surface water:
i. The permit should contain condition #(s) 7J;
ii. The permit should contain special condition(s) as indicated in "Remarks" below;
iii. The permit should be conditioned as indicated in item 6 below;

C6. **If the well is not reconstructed**, it will interfere with surface water. Well reconstruction, as follows, will adequately protect surface water from interference. If the ground water use under this permit is found to have the potential for substantial interference with surface water, I recommend withholding issuance of the permit until evidence of well reconstruction is filed with the Department and approved by the Ground Water Section.:

The well should be reconstructed as follows: _____

C7. **SW / GW Remarks** _____

D. WELL CONSTRUCTION, OAR 690-200

D1. Well #: 4 Logid: UN10 2566

D2. **THE WELL does not meet current well construction standards based upon:**

- a. review of the well log;
- b. field inspection by _____;
- c. report of CWRE _____;
- d. other: (specify) _____

D3. **THE WELL construction deficiency:**

- a. constitutes a health threat under Division 200 rules;
- b. commingles water from more than one ground water reservoir;
- c. permits the loss of artesian head;
- d. permits the de-watering of one or more ground water reservoirs;
- e. other: (specify) _____

D4. **THE WELL construction deficiency is described as follows:** _____

D5. **THE WELL** a. was, or was not constructed according to the standards in effect at the time of original construction or most recent modification.

b. I don't know if it met standards at the time of construction.

D6. **Route to the Enforcement Section.** I recommend withholding issuance of the permit until evidence of well reconstruction is filed with the Department and approved by the Enforcement Section and the Ground Water Section.

THIS SECTION TO BE COMPLETED BY ENFORCEMENT PERSONNEL

D7. Well construction deficiency has been corrected by the following actions: _____

_____, 200_____
(Enforcement Section Signature)

D8. **Route to Water Rights Section (attach well reconstruction logs to this page).**