



Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem Oregon 97301-1271
(503) 986-0900
www.wrd.state.or.us

Application for a Permit to Use Ground Water

Please type or print in dark ink. If your application is found to be incomplete or inaccurate, we will return it to you. If any requested information does not apply to your application, insert "n/a." Please read and refer to the instructions when completing your application. A summary of review criteria and procedures that are generally applicable to these applications is available at www.wrd.state.or.us/OWRD/PUBS/forms.shtml.

1. APPLICANT INFORMATION

A. Individuals

Applicant: Boyd Gatfield
First Last
Mailing address: 80155 Steen Rd.
Weston OR. 97886
City State Zip
Phone: 541-938-4582 509-394-3569 N/A
Home Work Other
*Fax: N/A *E-Mail address: bvg@bmi.net

B. Organizations

(Corporations, associations, firms, partnerships, joint stock companies, cooperatives, public and municipal corporations)

Name of organization: N/A
Name and title of person applying: N/A
Mailing address of organization: N/A
N/A N/A N/A
City State Zip
Phone: N/A N/A
Day Evening
*Fax: N/A *E-Mail address: N/A

* Optional information

For Department Use		
App. No. _____	Permit No. _____	Date _____

2. PROPERTY OWNERSHIP

Do you own all the land where you propose to divert, transport, and use water?

☒ Yes (Skip to section 3 "Ground water Development.")

☐ No (Please check the appropriate box below.)

☐ I have a recorded easement or written authorization permitting access.

☐ I do not currently have written authorization or easement permitting access.

☐ Written authorization or an easement is not necessary, because the only affected lands I do not own are state-owned submersible lands, and this application is for irrigated and/or domestic use only (ORS 274.040).

You must provide the legal description of: (1) the property from which the water is to be diverted, (2) any property crossed by the proposed ditch, canal or other work, and (3) any property on which the water is to be used as depicted on the map.

List the names and mailing addresses of all affected landowners.

N/A

3. GROUND WATER DEVELOPMENT

A. Well Information

Number of well(s): 1 (I.D. 44041)

Name of nearest surface water body: Dry Creek

Distance from well(s) to nearest stream or lake: 1) 55'

2) _____ 3) _____ 4) _____

If distance from surface water is less than one mile, indicate elevation difference between nearest surface water and well head. 1) 10'

2) _____ 3) _____ 4) _____

B. Well Characteristics

Wells must be constructed according to standards set by the Department for the construction and maintenance of water wells. If the well is already constructed, please enclose a copy of the well constructor's log and the well ID number, if available, for each well with this application. Identify each well with a number corresponding to the wells designated on the map and proceed to section 4 of the form. If the well has not been constructed, or if you do not have a well log, please complete the following:

Well(s) will be constructed by: Harding Drilling Co. (See Well Log I.D. 44041, UMAT 55584)

Address: 2608 3rd. Ave., Walla Walla, WA.

Completion date: 11-08-2005

Ground Water/2

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Please provide a description of your well development. (Attach additional sheets if needed.)

Well No.	Diameter	Type and size of casing	No. of feet of casing	Intervals casing is perforated (in feet)	Seal depth	Est. depth to water	Est. depth to water bearing stratum	Type of access port or measuring device	Total well depth
1		See Well Log							

Note: Well numbers in this listing must correspond to well locations(s) shown on accompanying map.

If well log is not available, or well is not yet constructed, you must provide: proposed total depth, depth of casing and seal, and the anticipated perforation and open intervals.

C. Artesian Flows

If your water well is flowing artesian, describe your water control and conservation works:

N/A

4. WATER USE

Please read the instruction booklet for more details on "type of use" definitions, how to express how much water you need and how to identify the water source you propose to use. You must fill out a supplemental form for some uses as they require specific information for that type of use.

A. Type(s) of Use(s)

See list of beneficial uses provided in the instructions.

- If your proposed use is **domestic**, indicate the number of households to be supplied with water: 1
- If your proposed use is **irrigation**, please attach **Form I**
- If your proposed use is **mining**, attach **Form R**
- If your proposed use is **municipal or quasi-municipal**, attach **Form M**
- If your proposed use is **commercial/industrial**, attach **Form Q**

B. Amount of Water

Provide the production rate in gallons per minute (gpm) and the total annual amount of water you need from each well, from each source or aquifer, for each use. You do not need to provide source information if you are submitting a well log with your application.

Well No.	Source or aquifer	Type of use	Total rate of water requested (in gpm)	Total annual quantity (in gallons)	Production rate of well (in gpm)
1	Basalt (See Well Log)	Irrigation, Domestic, Stock	35	5,278,786 Max.	35
		Water, Fire Protection			

C. Maximum Rate of Use Requested

What is the maximum, instantaneous rate of water that will be used? 35 GPM
(The fees for your application will be based on this amount.)

D. Period of Use

Indicate the time of year you propose to use the water: March 1 - Oct. 31
(For seasonal uses like irrigation give dates when water use would begin and end, e.g. March 1–October 31.)

E. Acreage

If you will be applying water to land, please give the total number of acres where water will be applied or used: 5.4
(This number should be consistent with your application map.)

5. WATER MANAGEMENT

A. Diversion

What equipment will you use to pump water from your well(s)?

☒ Pump (give horsepower and pump type): 3 Hp. Submersable, Variable speed/constant pressure

☐ Other means (describe): N/A

B. Transport

How will you transport water to your place of use?

☒ Ditch or canal (give average width and depth):

Width N/A Depth N/A

Is the ditch or canal to be lined? ☒ Yes ☐ No

☒ Pipe (give diameter and total length):

Diameter 2" Length 200'

☐ Other (describe) N/A

C. Application/Distribution Method

What equipment will you use to apply water to your place of use? Existing hand line & solid set with low pressure impact sprinklers

Irrigation or land application method (check all that apply):

- | | | |
|---|---|--|
| ☒ Flood | ☒ High-pressure sprinkler | ☒ Low pressure sprinkler |
| ☒ Drip | ☒ Water cannons | ☒ Center pivot system |
| ☒ Hand lines | ☒ Wheel lines | |
| ☒ Siphon tubes or gated pipe with furrows | | |
| ☒ Other, describe <u>Solid set</u> | | |

Distribution method

- ☒ Direct pipe from source ☒ In-line storage (tank or pond) ☒ Open canal

D. Conservation

What methods will you use to conserve water? Why did you choose this distribution or application method? For example, if you are using sprinkler irrigation rather than drip irrigation, explain. If you need additional space, attach a separate sheet.

See attached sheet named: CONSERVATION

6. PROJECT SCHEDULE

Indicate the anticipated dates that the following construction tasks should begin. If construction has already begun, or is completed, please indicate that date.

Proposed date construction will begin: As soon as weather permits after water permit approval

Proposed date construction will be completed: Six months after beginning construction

Proposed date beneficial water use will begin: Upon completion of construction, or @ start of irrigation season

7. REMARKS

If you would like to clarify any information you have provided in the application, please do so here and reference the specific application question you are addressing.

See attached sheet named: 7 REMARKS

8. MAP REQUIREMENTS

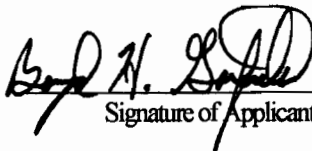
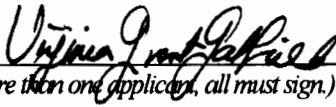
The Department cannot process your application without accurate information showing the source of water and location of water use. You must include a map with this application form that clearly indicates the township, range, section, and quarter/quarter section of the proposed well location and place of use. The map must provide tax lot numbers. See the map guidelines sheet for detailed map specifications.

9. SIGNATURE

By my signature below I confirm that I understand:

- I am asking to use water specifically as described in this application.
- Evaluation of this application will be based on information provided in the application packet.
- I cannot legally use water until the Water Resources Department issues a permit to me.
- If I get a permit, I must not waste water.
- If development of the water use is not according to the terms of the permit, the permit can be canceled.
- The water use must be compatible with local comprehensive land use plans.
- Even if the Department issues a permit to me, I may have to stop using water to allow senior water right holders to get water they are entitled to, and

I swear that all information provided in this application is true and correct to the best of my knowledge:

 
Signature of Applicant (If more than one applicant, all must sign.)

12-29-06

Date

Before you submit your application be sure you have:

- Answered each question completely.
- Attached a legible map which includes township, range, section, quarter/quarter and tax lot number.
- Included a Land Use Information Form or receipt stub signed by a local official.
- Included the legal description of all the property involved with this application. You may supply a copy of the deed, land sales contract, or title insurance policy, to meet this requirement.
- Included a check payable to the Oregon Water Resources Department for the appropriate amount. The Department's fee schedule can be found at www.wrd.state.or.us or call (503) 986-0900.

CONSERVATION

5 D. Conservation Response:

(1) What methods will you use to conserve water?

At present, all acreage is in pasture. For the last three years I have been experimenting by using a grass system that provides early spring feed, grows up to provide ground cover to hold in moisture, reseeds itself to provide a two layer late summer/early fall second grazing. This has been working fairly well; if I can apply the last watering around the last of June to the first of July it will sustain the new seedlings until September. The drawback is that it needs to be cleaned up every third year.

One half of the ground is lava ash underlined at 6 to 8 feet with basalt that has a shallow zone of moisture just above it. On this field I have had luck with a long tap rooted alfalfa. When reseeding I will use alfalfa and drought tolerant grass. The solid set soil is made up of from all lava ash to ancient creek bed cobbles, rocks, & lava ash. It requires some localized specialized watering, and residue or crop cover to reduce water consumption and evaporation.

(2) Why did you choose this distribution or application method?

The hand lines and solid set impact sprinkler system is existing. I have, in the last seventeen years improved this system and reduced water usage by: 1. Changing over to low pressure impact sprinkler heads. 2. Matching the nozzle sizes to elevation change in the system to apply a more even amount of water to all acreages. 3. I have, and will match the water usage to the crops needs & soil type. 4. Using farming methods to improve the soil's ability to hold moisture and reduce evaporation loss.

This land is in the Walla Walla Valley American Viticulture Area, and may be viable for wine grapes. If grapes or any row type crop is raised the irrigation system will be changed to drip type or limited row watering type to reduce water consumption and to control weeds.

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7 REMARKS

- (1.) The primary 2.7 acres is applied for to replace permit S50168 that was canceled Jan. 16, 1992. I found out about the cancellation by chance the summer of 2006 after being regulated off of Dry Creek w/Certificate 51741. This acreage has been actively watered by me for the last seventeen years raising hay and pasture, apparently illegally for the last fourteen.
The supplemental 2.7 acres is for Certificate 51741.

- (2.) 4 B. Amount of water – Basalt Aquifer clarification/addition: I have included letters from the towns of Weston and Athena voicing no objection to using this well for irrigation at this rate.
I have also included a map of the area showing Faults & Lineaments between my well (1) I.D. 44041 (UMAT 55584) and the town of Milton-Freewater's well 5N/36-18cb (UMAT 4005). This map is from: "THE OLYMPIC-WALLOWA LINEAMENT, HITE FAULT SYSTEM, AND COLUMBIA RIVER BASALT GROUP STRATIGAPHY IN NORTHEAST UMITILLA COUNTY, OREGON"
Abstract by Stephen Christopher Kuehn, M.S. 1995

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