

Application for a Permit to Use Ground Water



Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301-1266
(503) 986-0900
www.wrd.state.or.us

SECTION 1: APPLICANT INFORMATION AND SIGNATURE

Applicant Information

NAME <i>Robert & Wanda Barnwell</i>		PHONE (HM) <i>(361) 220-1098</i>	
PHONE (WK) <i>361-572-4398</i>	CELL <i>(361) 220-1098</i>	FAX	
ADDRESS <i>105 Ridgeview</i>			
CITY <i>Victoria</i>	STATE <i>TX</i>	ZIP <i>77904</i>	E-MAIL* <i>RPBARNWELL@YAHOO.COM</i>

Organization Information

NAME <i>NA</i>		PHONE	FAX
ADDRESS			CELL
CITY	STATE	ZIP	E-MAIL*

Agent Information – The agent is authorized to represent the applicant in all matters relating to this application.

AGENT / BUSINESS NAME <i>Bruce A. Estes, Estes Surveys, LLC</i>		PHONE <i>(571) 382-7391</i>	FAX <i>(571) 382-7391</i>
ADDRESS <i>60382 Arnold Mkt. Rd.</i>			CELL <i>(541) 419-5400</i>
CITY <i>Bend</i>	STATE <i>OR</i>	ZIP <i>97702</i>	E-MAIL* <i>estessurveysllc@msn.com</i>

Note: Attach multiple copies as needed

* By providing an e-mail address, consent is given to receive all correspondence from the department electronically. (paper copies of the final order documents will also be mailed.)

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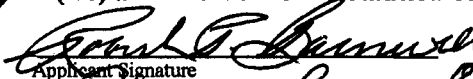
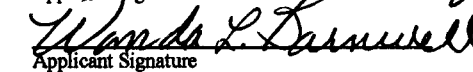
NOV 19 2013

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.
- I cannot use water legally until the Water Resources Department issues a permit.
- Oregon law requires that a permit be issued before beginning construction of any proposed well, unless the use is exempt. Acceptance of this application does not guarantee a permit will be issued.
- 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 cancelled.
- The water use must be compatible with local comprehensive land-use plans.
- Even if the Department issues a permit, I may have to stop using water to allow senior water-right holders to get water to which they are entitled.

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I (we) affirm that the information contained in this application is true and accurate.

 *Robert P. Barnwell, Jr.* *11-12-2013*
 Applicant Signature Print Name and title if applicable Date
 *Wanda Barnwell* *11-12-2013*
 Applicant Signature Print Name and title if applicable Date

For Department Use		
App. No. <i>G-17737</i>	Permit No. _____	Date _____
Revised 3/4/2010		Ground Water/3 WR

SECTION 2: PROPERTY OWNERSHIP

Please indicate if you own all the lands associated with the project from which the water is to be diverted, conveyed, and used.

Yes

- There are no encumbrances.
- This land is encumbered by easements, rights of way, roads or other encumbrances.

No

- 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 irrigation and/or domestic use only (ORS 274.040).
- Water is to be diverted, conveyed, and/or used only on federal lands.

List the names and mailing addresses of all affected landowners (*attach additional sheets if necessary*).

SECTION 3: WELL DEVELOPMENT

WELL NO.	NAME OF NEAREST SURFACE WATER	IF LESS THAN 1 MILE:	
		DISTANCE TO NEAREST SURFACE WATER	ELEVATION CHANGE BETWEEN NEAREST SURFACE WATER AND WELL HEAD
	Mill Creek	6000'	

Please provide any information for your existing or proposed well(s) that you believe may be helpful in evaluating your application. For existing wells, describe any previous alteration(s) or repair(s) not documented in the attached well log or other materials (*attach additional sheets if necessary*).

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SECTION 3: WELL DEVELOPMENT, CONTINUED

Source (aquifer), if known: 50-350'

Total maximum rate requested: 0.23 cfs (each well will be evaluated at the maximum rate unless you indicate well-specific rates and annual volumes in the table below).

Complete the table below. If this is an existing well, the following information may be found on the applicable well log. *(If a well log is available, please submit it in addition to completing the table.)* If this is a proposed well, or well-modification, consider consulting with a licensed well driller, geologist, or certified water right examiner.

OWNER'S WELL NAME OR NO.	PROPOSED	EXISTING	WELL ID (WELL TAG) NO.* OR WELL LOG ID**	FLOWING ARTESIAN	CASING DIAMETER	CADDIS INTERVALS (IN FEET)	PERFORATED OR SCREENED INTERVALS (IN FEET)	SEAL INTERVALS (IN FEET)	MOST RECENT STATIC WATER LEVEL & DATE (IN FEET)	PROPOSED USE			
										SOURCE AQUIFER***	TOTAL WELL DEPTH	WELL-SPECIFIC RATE (GPM)	ANNUAL VOLUME (ACRE-FEET)
	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	8"	100'	50-100	40-50'		50'-350'	250-350	104	46 ac ft.
	<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"/>	<input type="checkbox"/>		<input type="checkbox"/>									
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>									

* Licensed drillers are required to attach a Department-supplied Well Tag, with a unique Well ID or Well Tag Number to all new or newly altered wells. Landowners can request a Well ID for existing wells that do not have one. The Well ID is intended to serve as a unique identification number for each well.
 ** A well log ID (e.g. MARI 1234) is assigned by the Department to each log in the agency's well log database. A separate well log is required for each subsequent alteration of the well.
 *** Source aquifer examples: Troutdale Formation, gravel and sand, alluvium, basalt, bedrock, etc.

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SECTION 4: WATER USE

USE	PERIOD OF USE	ANNUAL VOLUME (ACRE-FEET)
irrigation	April to Oct	46 ac. ft.

Exempt Uses: Please note that 15,000 gallons per day for single or group **domestic** purposes and 5,000 gallons per day for a single **industrial or commercial** purpose are exempt from permitting requirements.

For irrigation use only:

Please indicate the number of primary and supplemental acres to be irrigated (*must match map*).

Primary: 183 Acres Supplemental: _____ Acres

List the Permit or Certificate number of the underlying primary water right(s): NA

Indicate the maximum total number of acre-feet you expect to use in an irrigation season: 46 ac. ft.

- If the use is **municipal or quasi-municipal**, attach **Form M**
- If the use is **domestic**, indicate the number of households: _____
- If the use is **mining**, describe what is being mined and the method(s) of extraction: _____

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SECTION 5: WATER MANAGEMENT

A. Diversion and Conveyance

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

Pump (give horsepower and type): 7 1/2 HP submersible

Other means (describe): _____

Provide a description of the proposed means of diversion, construction, and operation of the diversion works and conveyance of water. Pumped into a main line

B. Application Method

What equipment and method of application will be used? (e.g., drip, wheel line, high-pressure sprinkler)

hand line and solid set. Possibly drip irrigation for Blueberries or grapes.

C. Conservation

Please describe why the amount of water requested is needed and measures you propose to: prevent waste; measure the amount of water diverted; prevent damage to aquatic life and riparian habitat; prevent the discharge of contaminated water to a surface stream; prevent adverse impact to public uses of affected surface waters.

Sprinklers will be used for pasture areas. Drip is not practical for field application.

SECTION 6: STORAGE OF GROUND WATER IN A RESERVOIR

If you would like to store ground water in a reservoir, complete this section (*if more than one reservoir, reproduce this section for each reservoir*).

Reservoir name: NA Acreage inundated by reservoir: _____

Use(s): _____

Volume of Reservoir (acre-feet): _____ Dam height (feet, if excavated, write "zero"): _____

Note: If the dam height is greater than or equal to 10.0' above land surface AND the reservoir will store 9.2 acre feet or more, engineered plans and specifications must be approved prior to storage of water.

SECTION 7: USE OF STORED GROUND WATER FROM THE RESERVOIR

If you would like to use stored ground water from the reservoir, complete this section (*if more than one reservoir, reproduce this section for each reservoir*).

Annual volume (acre-feet): NA

USE OF STORED GROUND WATER	PERIOD OF USE

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SECTION 8: PROJECT SCHEDULE

Date construction will begin: Spring 2014

Date construction will be completed: Oct 1, 2018

Date beneficial water use will begin: Spring 2019

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SECTION 9: WITHIN A DISTRICT

Check here if the point of diversion or place of use are located within or served by an irrigation or other water district.

NA

Irrigation District Name	Address	
City	State	Zip

SECTION 10: REMARKS

Use this space to clarify any information you have provided in the application (*attach additional sheets if necessary*).

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Land Use

Information Form



Oregon Water Resources Department
 725 Summer Street NE, Suite A
 Salem, Oregon 97301-1266
 (503) 986-0900
 www.wrd.state.or.us

Applicant: Robert Barnwell
First Last

Mailing Address: 105 Ridgeway

Victoria TX 77904 Daytime Phone: (361) 220-1098
City State Zip

A. Land and Location

Please include the following information for all tax lots where water will be diverted (taken from its source), conveyed (transported), and/or used or developed. Applicants for municipal use, or irrigation uses within irrigation districts may substitute existing and proposed service-area boundaries for the tax-lot information requested below.

Township	Range	Section	¼ ¼	Tax Lot #	Plan Designation (e.g., Rural Residential/RR-5)	Water to be:			Proposed Land Use:
BS	2W	17	NENE	500	Special Ag/SA	<input type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	irrigation
"	"	17	SENE	500	"	<input checked="" type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	"
"	"	16	NUNW	500	"	<input type="checkbox"/> Diverted	<input type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	4
"	"	16	SWNW	500	"	<input type="checkbox"/> Diverted	<input type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	4

List all counties and cities where water is proposed to be diverted, conveyed, and/or used or developed:

Marion County

B. Description of Proposed Use

Type of application to be filed with the Water Resources Department:

- Permit to Use or Store Water
 Water Right Transfer
 Permit Amendment or Ground Water Registration Modification
 Limited Water Use License
 Allocation of Conserved Water
 Exchange of Water

Source of water: Reservoir/Pond
 Ground Water
 Surface Water (name) _____

Estimated quantity of water needed: 0.23 cubic feet per second
 gallons per minute
 acre-feet

Intended use of water: Irrigation
 Commercial
 Industrial
 Domestic for _____ household(s)
 Municipal
 Quasi-Municipal
 Instream
 Other _____

Briefly describe:

Pump from well into mainline. Hand line, drip & solid set to lawn and fields

Note to applicant: If the Land Use Information Form cannot be completed while you wait, please have your government representative sign the receipt at the bottom of the next page and include it with the application filed with the Water Resources Department.

See bottom of Page 3. →

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For Local Government Use Only

The following section must be completed by a planning official from each county and city listed unless the project will be located entirely within the city limits. In that case, only the city planning agency must complete this form. This deals only with the local land-use plan. Do not include approval for activities such as building or grading permits.

Please check the appropriate box below and provide the requested information

- Land uses to be served by the proposed water uses (including proposed construction) are allowed outright or are not regulated by your comprehensive plan. Cite applicable ordinance section(s): 17.137.020(a)
- Land uses to be served by the proposed water uses (including proposed construction) involve discretionary land-use approvals as listed in the table below. (Please attach documentation of applicable land-use approvals which have already been obtained. Record of Action/land-use decision and accompanying findings are sufficient.) **If approvals have been obtained but all appeal periods have not ended, check "Being pursued."**

Type of Land-Use Approval Needed (e.g., plan amendments, rezones, conditional-use permits, etc.)	Cite Most Significant, Applicable Plan Policies & Ordinance Section References	Land-Use Approval:	
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued

Local governments are invited to express special land-use concerns or make recommendations to the Water Resources Department regarding this proposed use of water below, or on a separate sheet.

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Name: Brodar Rich Title: Senior Planner

Signature: [Signature] Phone: 503-588-5058 Date: 11-5-13

Government Entity: Marian County Planning

Note to local government representative: Please complete this form or sign the receipt below and return it to the applicant. If you sign the receipt, you will have 30 days from the Water Resources Department's notice date to return the completed Land Use Information Form or WRD may presume the land use associated with the proposed use of water is compatible with local comprehensive plans.

Receipt for Request for Land Use Information

Applicant name: _____

City or County: _____ Staff contact: _____

Signature: _____ Phone: _____ Date: _____



EXHIBIT A
LEGAL DESCRIPTION

Parcel I:

Beginning at the Northeast corner of the William H. Baker Donation Land Claim No. 65 in Section 16, Township 8 South, Range 2 West of the Willamette Meridian in Marion County, Oregon; thence West 528.00 feet to the Northwest corner of that tract of land described in Volume 533, Page 725, Marion County Records of Deeds; thence South 0° 08' West 412 feet to a point; thence East parallel with the South line of said tract of land 528 feet to a point; thence North 0° 08' East 412 feet to the point of beginning.

Parcel II:

Beginning at the Northeast corner of the William H. Baker Donation Land Claim No. 65 in Township 8 South, Range 2 West of the Willamette Meridian; thence North 89° 03' 34" East 95 feet; thence South 0° 51' 18" East 625 feet; thence South 88° 14' East 15 feet; thence South 1° 46' West 172.83 feet; thence South 41° 08' West 306.67 feet; thence South 25° 51' West 10.43 feet; thence North 89° 03' 34" East 602.62 feet to a point on the East line of a tract of land described in Volume 527, Page 144, Deed Records for said County and State; thence South 0° 51' 18" East 666.80 feet to the Northeast corner of Estate 4, Block 2, Green Hills East in said County and State; thence South 88° 45' West along the North line of said Subdivision, 1023 feet; thence North 0° 51' 18" West 1707.02 feet to a point on the North line of said Claim; thence North 89° 03' 34" East 528 feet to the place of beginning.

includes Parcel 1

SAVE AND EXCEPT: Beginning at a point on the East line of a tract of land described in the instrument recorded in Volume 527, Page 144, Deed Records for Marion County, Oregon, that is North 0° 51' 18" West 666.80 feet from the Northeast corner of Estate 4, Block 2, Green Hills East, Marion County, Oregon; thence South 0° 51' 18" East 320.20 feet to the true point of beginning of the parcel to be described; thence South 0° 51' 18" East a distance of 346.60 feet, more or less, to said Northeast corner; thence South 88° 45' West 741.10 feet to a point that is 30.00 feet South 88° 45' West of the Northwest corner of said Estate 4; thence North 01° 54' West 354.10 feet, more or less, along the centerline of a 30 foot strip to a point that bears South 88° 03' 34" West from the true point of beginning; thence North 89° 03' 34" East to the true point of beginning.

TL 400

SAVE AND EXCEPT: Beginning at the Northeast corner of the William H. Baker Donation Land Claim No. 65 in Section 16, Township 8 South, range 2 West of the Willamette Meridian in Marion County, Oregon; thence West 528 feet to the Northwest corner of that tract of land described in Volume 533, Page 725, Marion County Record of Deeds; thence South 0° 08' West 412 feet to a point; thence East parallel with the South line of said tract of land 528 feet to a point; thence North 0° 08' East 412 feet to the point of beginning.

Parcel 1

That parcel of land situated in Parcel 2 of Major Partition No. 75-13 for Marion County, Oregon, bounded as follows:

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STATE OF OREGON
WATER SUPPLY WELL REPORT

(as required by ORS 537.763)

Barnwell

WELL ID. # L 71422
START CARD # 166700

Instructions for completing this report are on the last page of this form.

(1) LAND OWNER
Name Darrell Beam Construction Well Number 55
Address P.O. Box 7
City Salem State OR Zip 97303

(2) TYPE OF WORK
 New Well Deepening Alteration (repair/recondition) Abandonment

(3) DRILL METHOD:
 Rotary Air Rotary Mud Cable Auger
 Other _____

(4) PROPOSED USE:
 Domestic Community Industrial Irrigation
 Thermal Injection Livestock Other _____

(5) BORE HOLE CONSTRUCTION:
Special Construction approval Yes No Depth of Completed Well 240 ft.
Explosives used Yes No Type _____ Amount _____

HOLE		SEAL		Sacks or pounds	
Diameter	From To	Material	From To		
10"	0 65	3/4" Ring	50 65		
8"	65 100	7/8" Root	0 50		24 Sacks
6"	100 240				

How was seal placed: Method A B C D E
 Other Poured & packed
Backfill placed from _____ ft. to _____ ft. Material _____
Gravel placed from 50 ft. to 65 ft. Size of gravel 3/4" ring

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 6"	41	100	0.250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Drive Shoe used Inside Outside None
Final location of shoe(s) 100

(7) PERFORATIONS/SCREENS:
 Perforations Method Mills Knife
 Screens Type _____ Material _____

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
68	96	3/64"	200			<input checked="" type="checkbox"/>	<input type="checkbox"/>

(8) WELL TESTS: Minimum testing time is 1 hour

Yield gal/min	Drawdown	Drill stem at	Time
10	6 Ft		3 hr.
10	7 Ft		4 hr

Temperature of water 53 Depth Artesian Flow Found _____
Was a water analysis done? Yes By whom Water Lab
Did any strata contain water not suitable for intended use? No Too little
 Salty Muddy Odor Colored Other _____
Depth of strata: _____

(9) LOCATION OF WELL by legal description:
County Multnomah Latitude _____ Longitude _____
Township 8S N or S Range 2W E or W. WM _____
Section 17 NE 1/4 NE 1/4
Tax Lot 500 Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) 5203 84th Ct.

(10) STATIC WATER LEVEL:
62 ft. below land surface. Date 11/12/04
Artesian pressure _____ lb. per square inch Date _____

(11) WATER BEARING ZONES:

Depth at which water was first found _____

From	To	Estimated Flow Rate	SWL
65	137	15	62

(12) WELL LOG:
Ground Elevation _____

Material	From	To	SWL
Top Soil	0	3	
Red Brown Clay	3	37	
Light gray Clay	37	43	
Black Broken Rock	43	137	62
Dark Gray Basalt	137		
Red sandstone		235	
Blue Clay	235	240	

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 DEC 06 2004

 WATER RESOURCES DEPT.
 SALEM, OREGON

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Date started Nov. 4, 04 completed Nov 12, 2004 SALEM, OR

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
Signed TLS WWC Number 1223 Date _____

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
Signed Dallas & Sons WWC Number 161 Date Nov. 20, 04

**ESTES
SURVEYS_{LLC}**

**SURVEYS
CONSULTING**

LAND & WATER RIGHTS

Bruce A. Estes, PLS, CWRE

60382 Arnold Mkt. Rd.
Bend, OR 97702
(541) 382-7391
FAX 382-7391

November 18, 2013

Water Rights Division
Water Resources Department
725 Summer St. NE, Suite A
Salem, OR 97301-1266

Enclosed is a ground water application for Robert and Wanda Barnwell for irrigation of 18.2 acres. The site is 5203 54th Court SE, Salem, OR 97317. They live at this site when in Oregon, but organize their mail to the Texas address.

If you have any questions, just call.

Sincerely,



Bruce A. Estes, PLS, CWRE

Cc Bob & Wanda

G-17737