

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 BOB GABRIEL		PHONE (HM)	
PHONE (WK) 503-873-1200	CELL 503-932-1200	FAX	
ADDRESS 8474 HAZELGREEN RD NE			
CITY SILVERTON	STATE OR	ZIP 97381	E-MAIL*

Organization Information

NAME		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		PHONE	FAX
ADDRESS			CELL
CITY	STATE	ZIP	E-MAIL*

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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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.

JAN 27 2015

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SALEM, OREGON

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

Applicant Signature

BOB GABRIEL

Print Name and title if applicable

Date

Applicant Signature

Print Name and title if applicable

Date

1/15/15

For Department Use

App. No.

Permit No.

Date

6-17988

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*).

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.

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
1	PUDDING RIVER	3250	50'
2	PUDDING RIVER	3240	50'
3	PUDDING RIVER	2200'	40'
4	PUDDING RIVER	1950'	55'
5	PUDDING RIVER	3375'	55'
6	PUDDING RIVER	615'	40'
7	PUDDING RIVER	3290'	55'

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

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total maximum rate requested: 2.2 CFS (each well will be evaluated at the maximum rate unless you indicate well-specific rates and annual volumes in the table below).

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SALEM, OREGON

the table below must be completed for each source to be evaluated or the application will be returned. If this is an existing well, the 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 to obtain the necessary information.

8821-19

OWNER'S WELL NAME OR NO.	PROPOSED	EXISTING	WELL ID (WELL TAG) NO.* OR WELL LOG ID**	FLOWING ARTESIAN	CASING DIAMETER	CASING 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)
1	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	12	100 - 250	80 - 250	20		ALLUVIAL	120 - 260		
2	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	12	100 - 250	80 - 250	20		ALLUVIAL	120 - 260		
3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	CLAC 20355	<input type="checkbox"/>	8	1- 101 125 - 130	101 - 125				130		
4	<input type="checkbox"/>	<input checked="" type="checkbox"/>	CLAC 20344	<input type="checkbox"/>	10	1 - 91 83 - 92	92 - 98 104 - 116				120		
5	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	12	100 - 250	80 - 250	20		ALLUVIAL	120 - 260		
6	<input type="checkbox"/>	<input checked="" type="checkbox"/>	CLAC 59086	<input type="checkbox"/>	12	+18" - 227	181 - 247						
7	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	12	100 - 250	80 - 250	20		ALLUVIAL	120 - 260		
	<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.

SECTION 4: WATER USE

USE	PERIOD OF USE	ANNUAL VOLUME (ACRE-FEET)
Primary irrigation to make up a deficiency in rate of 124.37 acres	3/1 – 10/31	311
Primary irrigation of 87.2 acres	3/1 – 10/31	218

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: see "Water Use" above Supplemental: _____ Acres

List the Permit or Certificate number of the underlying primary water right(s): Cert 80671

Indicate the maximum total number of acre-feet you expect to use in an irrigation season: 529

- 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: _____

SECTION 5: WATER MANAGEMENT

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SALEM, OREGON

A. Diversion and Conveyance

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

Pump (give horsepower and type): 60 horse

Other means (describe): _____

Provide a description of the proposed means of diversion, construction, and operation of the diversion works and conveyance of water. _____

B. Application Method

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

Combination drip lines and sprinkler lines

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.

Meter on wells and pipes irrigation lines

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*).

G-17998

Reservoir name: _____ 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): _____

USE OF STORED GROUND WATER	PERIOD OF USE

SECTION 8: PROJECT SCHEDULE

Date construction will begin: Within five years of permit issuance

Date construction will be completed: Within five years of permit issuance

Date beneficial water use will begin: Within five years of permit issuance

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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.

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*).

I'm proposing to use 1.11 CFS for primary irrigation to make up a deficiency in rate of the 124.37 acres authorized by Certificate 80671, and 1.09 CFS for primary irrigation of 87.2 acres, for a total rate of 2.2 CFS.

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Land Use Information Form

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

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Applicant: BOB GABRIEL

WATER RESOURCES DEPT
SALEM, OREGON

Mailing Address: 8474 HAZELGREEN RD NE, SILVERTON OR 97381

Daytime Phone: 503-932-1200

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:
3S	1E	30	NENE NWNE	300	EFU	<input type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	
3S	1E	30	SWNE SENE	500	EFU	<input checked="" type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	
3S	1E	30	SWNW	1000	EFU	<input checked="" type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	
3S	1E	30	SENW	1100	EFU	<input checked="" type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	
3S	1E	30	NESW	1100	EFU	<input checked="" type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	
3S	1E	30	NWSW	1200	EFU	<input type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	

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

CLACKAMAS

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: 2.2
 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:

Irrigation of 211.57 acres

Note to applicant: If the Land Use Information Form cannot be completed while you wait, please have a local 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 2 →

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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): Zoning + Dev. Ordinance 401.04
- 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

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.

Outright permitted uses are farming activities.

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WATER RESOURCES DEPT
SALEM, OREGON

Name: Shari Gilevich Title: Senior Planner

Signature: Shari Gilevich Phone: 503-742-4523 Date: Jan. 15, 2015

Government Entity: Clackamas County Planning + Zoning Division

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: _____

G-17988

WELL 3

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35/1E/30

STATE OF OREGON WATER SUPPLY WELL REPORT

JUN 23 1995

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CLAC 20355

WATER RESOURCES DEPT (START CARD) # 79223 SALEM, OREGON

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

(1) OWNER: Well Number #1 Name TOM THOMSEN Address 25355 NE GLASS RD. City AURORA State OR Zip 97002

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

(3) DRILL METHOD: [] Rotary Air [X] Rotary Mud [] Cable [] Auger [] Other

(4) PROPOSED USE: [] Domestic [] Community [] Industrial [X] Irrigation [] Thermal [] Injection [] Livestock [] Other

(5) BORE HOLE CONSTRUCTION: Special Construction approval [] Yes [X] No Depth of Completed Well 130 ft. Explosives used [] Yes [X] No Type Amount

Table with columns: Diameter, From, To, Material, From, To, Sacks or pounds. Rows include cement/gel, drill gel, cement.

How was seal placed: Method [] A [] B [X] C [] D [] E [] Other Backfill placed from 85 ft. to 130 ft. Material #8 sand

(6) CASING/LINER: Table with columns: Diameter, From, To, Gauge, Steel, Plastic, Welded, Threaded. Rows for Casing and Liner.

Final location of shoe(s)

(7) PERFORATIONS/SCREENS: Table with columns: From, To, Slot size, Number, Diameter, Material, Casing, Liner. Row for stainless steel pipe.

(8) WELL TESTS: Minimum testing time is 1 hour. [] Pump [] Bailer [X] Air [] Artesian. Yield gal/min 110, Drawdown, Drill stem at 100', Time 1 hr.

Temperature of water 53°F Depth Artesian Flow Found Was a water analysis done? [] Yes By whom Did any strata contain water not suitable for intended use? [] Too little [] Salty [] Muddy [] Odor [] Colored [] Other Depth of strata:

(9) LOCATION OF WELL by legal description: County Clackamas Latitude Longitude Township 3S N or S Range 1E E or W. WM. Section 30 1/4 1/4 Tax Lot Lot Block Subdivision Street Address of Well (or nearest address) Tom Thomsen 25355 NE Glass Rd., Aurora, OR 97002

(10) STATIC WATER LEVEL: 62 ft. below land surface. Date 6-17-95 Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES: Depth at which water was first found 101'

Table with columns: From, To, Estimated Flow Rate, SWL. Row: 101, 123, 110 gpm, 62'. Includes 'RECEIVED' stamp and date JAN 27 2015.

(12) WELL LOG: Ground Elevation WATER RESOURCES DEPT SALEM, OREGON

Table with columns: Material, From, To, SWL. Rows: Topsoil, Soft brown silty clay, Fine-coarse brown sand, Soft gray silty clay, Fine-coarse sand, Coarse gravel w/sand, Fine-coarse sand w/pea gravel, Wood & gravel, Sticky gray silty clay, Sticky blue-gray & brown clay, Sticky brn. & gray brn. clay, Fine-coarse black sand, Sticky gray & blue-gray clay, w/soft streaks.

Date started 5-25-95 Completed 6-17-95

(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 Mel Bigsby WWC Number 1492 Date 6-20-95

(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 [Signature] WWC Number 1266 Date 6-20-95

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WELL 3

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STATE OF OREGON WATER SUPPLY WELL REPORT (as required by ORS 537.765)

JUN 23 1995

Page 2

WATER RESOURCES DEPT (START CARD) # 79223 SALEM, OREGON

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

(1) OWNER: Well Number #1

Name TOM THOMSEN Address 25355 NE GLASS RD. City AURORA State OR Zip 97002

(2) TYPE OF WORK

[X] New Well [] Deepening [] Alteration (repair/recondition) [] Abandonment

(3) DRILL METHOD:

[] Rotary Air [X] Rotary Mud [] Cable [] Auger [] Other

(4) PROPOSED USE:

[] Domestic [] Community [] Industrial [X] Irrigation [] Thermal [] Injection [] Livestock [] Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval [] Yes [X] No Depth of Completed Well 130 ft.

Explosives used [] Yes [X] No Type Amount

Table with columns: HOLE Diameter, From, To, Material, SEAL From, To, Sacks or pounds

How was seal placed: Method [] A [] B [] C [] D [] E

[] Other

Backfill placed from ft. to ft. Material

Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

Table with columns: Diameter, From, To, Gauge, Steel, Plastic, Welded, Threaded

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:

[] Perforations Method

[] Screens Type Material

Table with columns: From, To, Slot size, Number, Diameter, Tele/pipe size, Casing, Liner

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

[] Pump [] Bailer [] Air [] Flowing Artesian

Table with columns: Yield gal/min, Drawdown, Drill stem at, Time

Temperature of water Depth Artesian Flow Found

Was a water analysis done? [] Yes By whom

Did any strata contain water not suitable for intended use? [] Too little

[] Salty [] Muddy [] Odor [] Colored [] Other

Depth of strata:

(9) LOCATION OF WELL by legal description:

County Clackamas Latitude Longitude Township 3S N or S Range 1E E or W. WM. Section 30 1/4 1/4 Tax Lot Lot Block Subdivision Street Address of Well (or nearest address) Tom Thomsen 25355 NE Glass Rd., Aurora, OR 97002

(10) STATIC WATER LEVEL:

ft. below land surface. Date Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:

Depth at which water was first found

Table with columns: From, To, Estimated Flow Rate, SWL

(12) WELL LOG:

Ground Elevation

Table with columns: Material, From, To, SWL

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Date started 5-25-95 Completed 6-17-95

(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.

WWC Number 1492 Signed Date 6-20-95

(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.

WWC Number 1266 Signed Date 6-20-95

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WELL 4

STATE OF OREGON WATER SUPPLY WELL REPORT (as required by ORS 537.765)

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Page 1 of 2

3/16/30
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JUN 21 1995

(START CARD) # 79230

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

WATER RESOURCES DEPT.

(1) OWNER:

Well Number 2

Name TOM THOMSEN
Address 25355 N.E. GLASS RD.
City AURORA State OR Zip 97002

(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 120 ft.

Explosives used Yes No Type _____ Amount _____

HOLE			SEAL			
Diameter	From	To	Material	From	To	Sacks or pounds
14 3/4"	0	90	cement	0	30	17 sks.
10"	90	120	drill gel	30	70	-----
			cement	70	90	11 sks.
8"	120	363	see #12			13 sks.

How was seal placed: Method A B C D E
 Other

Backfill placed from _____ ft. to _____ ft. Material _____
Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 10"	+1	91	250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8"	83	92	250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner: 8"	98	104	250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8"	116	120	250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:

Perforations		Method		Type		Material		Casing		Liner	
From	To	Slot size	Number	Diameter	Tele/plpe size	Steel	Stainless	Case	Steel	Case	Steel
92	98	.050		8"	pipe	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
104	116	.030		8"	pipe	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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

<input type="checkbox"/> Pump	<input type="checkbox"/> Bailer	<input checked="" type="checkbox"/> Air	<input type="checkbox"/> Flowing
Yield gal/min	Drawdown	Drill stem at	Artesian Time
130	25'		4hr.

Temperature of water 53°F Depth Artesian Flow Found _____
Was a water analysis done? Yes By whom _____
Did any strata contain water not suitable for intended use? Too little
 Salty Muddy Odor Colored Other _____
Depth of strata: _____

SALEM, OREGON

(9) LOCATION OF WELL by legal description:

County Clackamas Latitude _____ Longitude _____
Township 3S N or S Range 1E E or W. WM.
Section 30 SW 1/4 NW 1/4
Tax Lot _____ Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) Tom Thomsen
25355 N.E. Glass Rd., Aurora, 97002

(10) STATIC WATER LEVEL:

50' ft. below land surface. Date 6-14-95
Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:

Depth at which water was first found 92'

From	To	Estimated Flow Rate	SWL
92	98	-----	50'
105	116	-----	50'

(12) WELL LOG:

Ground Elevation WATER RESOURCES DEPT
SALEM, OREGON

Material	From	To	SWL
Topsoil	0	1	
Soft brown silty clay	1	16	
Soft brn. sandy clay w/sand seams	16	31	
Fine sand w/occ. pea gravel	31	40	
Brown clay	40	44	
Fine gray-brown sand w/clay streaks	44	64	
Fine gray-blk. &brn. sand	64	85	
Gray-brown silty clay	85	92	
Coarse gravel w/sand	92	98	50'
Sticky blue-gray clay	98	105	
Fine-coarse blk. sand w/pea gravel	105	116	50'
Sticky gray & gray-brn. clay	116	190	
Sticky blue-gray clay	190	194	
Soft gray clay w/occ. sand seams	194	243	
Sticky gray clay w/silty streaks	243	363	

Date started 6-2-95 Completed 6-14-95

(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.

WWC Number 1492
Signed Mel Bigley Date 6-16-95

(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.

WWC Number 1266
Signed [Signature] Date 6-16-95

G-17888

WELL 6

CLAC 59086

STATE OF OREGON WATER SUPPLY WELL REPORT

Arrow 03-009-A

(as required by ORS 537.765)

(1) LAND OWNER:

Well Number: _____
Name: Thomas L. Thomsen
Address: 25355 NE Glass Road
City: Aurora State: OR Zip: 97002

(2) TYPE OF WORK:

(repair/
 New Well Deepening Alteration 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 263.2

Explosives Used Yes No Type _____ Amount _____

Diameter	HOLE		Material	SEAL		sacks or pounds
	From	To		From	To	
16"	0	150	bent chps	0	1	2 bags
			cement	1	150	120 bags
12"	150	280				

How was seal placed: Method A B C D E

Other bent chips poured-probed

Backfill placed from _____ to _____ Material _____

Gravel placed from 177 to 280 Size of gravel 8-12 sand

(6) CASING/LINER:

CASING:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
12"	+18"	185	.375	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8"	176.6	180.6	.250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8"	183.1	186.1	.250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8"	196.6	226.6	.250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

LINER:

8"	247.1	263.2	.250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Drive Shoe used Inside Outside None

Final location of Shoe(s): 280' cut off

(7) PERFORATIONS/SCREENS:

Perforations Method: _____
 Screen Type: v-wire Material: stainless 304

From	To	Slot Size	No.	Diameter	Tele/pipe size	Casing	Liner
180.6	183.1	60		8"	pipe	<input type="checkbox"/>	<input checked="" type="checkbox"/>
186.1	196.6	50		8"	pipe	<input type="checkbox"/>	<input checked="" type="checkbox"/>
226.6	247.1	50		8"	pipe	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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

Pump Bailer Air Flowing Artesian

Yield gpm	Drawdown	Drill Stem at	Time
226	52'		1 hr.
216	67'		4 hr.

Temperature of water 55 Depth Artesian Flow Found _____

Was a water analysis done? _____ By whom: _____

Did any strata contain water not suitable for intended use? (explain)

Depth of Strata: _____

ARROW DRILLING 503-538-4422

ORIGINAL - Water Resources Department

FIRST COPY - Constructor

SECOND COPY - Customer

61-17880

WELL ID # L 61589
START CARD # 153779

(9) LOCATION OF WELL by legal description:

County: clack Latitude: _____ Longitude: _____
Township: 3S Range: 1E
Section: 30 SW $\frac{1}{4}$ NE $\frac{1}{4}$
Tax Lot: 500 Lot: _____ Block: _____ Subdivision: _____
Street Address of Well (or nearest address) intersection of
Browdale and Glass Roads

(10) STATIC WATER LEVEL:

110 Ft. below land surface Date 4/19/03
Artesian pressure _____ lb. per sq. in. Date _____

(11) WATER BEARING ZONES:

From	To	Est. Flow Rate	SWL
90	112	10 to 15 gpm	dnm
187	194	100 to 150 gpm	110
238	246	50 to 100 gpm	110

(12) WELL LOG:

Material	From	To	SWL
top soil	0	1	
brown silty sand	1	112	
green/blue clay	112	118	
tan clay w/tan sandstone	118	133	
tan sandstone w/a lot of wood	133	187	
course sand black w/small gravel	187	194	
blue gray clay sticky	194	221	
gray clay w/sand and small gravel	221	238	
sand gray	238	246	
clay gray stiff	246	280	

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SALEM, OREGON

Date Started: 3/13/03

Completed: 4/19/03

(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 _____

WWC Number _____
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 John R. Ste...

WWC Number 1483
Date 7/5/03

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**EXHIBIT A
LEGAL DESCRIPTION**

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PARCEL I (Tax Lot 300; Approximately 20.25 acres):

Part of the South one-half of the North one-half of the Northeast one-quarter of Section 30, Township 3 South, Range 1 East of the Willamette Meridian, in the County of Clackamas and State of Oregon, described as:

Beginning at the Northeast corner of said South one-half of the North one-half of the Northeast one-quarter of Section 30; thence, South 10.00 chains; thence, West 33.80 chains; thence, North 7° 55' East 6.46 chains; thence South 80° 35' East 1.51 chains; thence South 78° 20' East 2.32 chains; thence, North 82° 05' East 1.37 chains; thence South 41° 35' East 4.97 chains; thence, North 87° 05' East 6.10 chains; thence, North 13° 05' East 4.73 chains to a stake in the South line of a tract owned formerly by J. C. Wagerman; thence, South 71° 30' East 2.92 chains to the most Southerly corner of said tract; thence, North 8° 30' West 3.78 chains to a point on the line between the North and South halves of the North one-half of the Northeast one-quarter of said Section 30; thence, East 15.10 chains, to the place of beginning.

ALSO: Beginning at a point 15.5 chains East and 10.37 chains South of the one-half section between the corner between Sections 19 and 30, in said Township and Range, running thence South 0.25 chains to a stake from which a fir 2 feet in diameter, marked KOW bears North 2° 40' East 86 links; thence South 71° 30' East 10.45 chains to a stake; thence North 8° 30' West, 0.25 chains; thence North 71° 30' West 10.49 chains to the place of beginning.

SAVE AND EXCEPT: That portion of the above described tracts conveyed to B. D. and Loraine A. Nevill, August 1, 1970, Instrument No. 70 14420.

PARCEL II (Tax Lot 500; Approximately 62.72 acres):

Part of the South one-half of the Northeast one-quarter of Section 30, Township 3 South, Range 1 East of the Willamette Meridian, in the County of Clackamas and State of Oregon, described as follows:

Beginning at the Northwest corner of the said South one-half of the Northeast one-quarter; thence, East along the 1/16th Section line 160 rods to the Northeast corner of the said South one-half of the Northeast one-quarter; thence, South along the East line of said Section 30 to the center line of the Pudding River; thence, Southwesterly along the center line of the Pudding River to the intersection of said line with the South line of the said South one-half of the Northeast one-quarter; thence, West along the one-quarter section line to the center of said Section 30; thence, North along the one-quarter section line 80 rods to the point of beginning.

PARCEL III (Tax Lot 1100; Approximately 84.03 acres):

Part of the South one-half of the Northwest one-quarter and the North one-half of the Southwest one-quarter of Section 30, Township 3 South, Range 1 East of the Willamette Meridian, in the County of Clackamas and State of Oregon, described as follows:

Beginning at a point which is 35 feet West from the Northeast corner of the John Anderson Donation Land Claim in Section 30, Township 3 South, Range 1 East of the Willamette

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Meridian; thence East on the 1/16 section line 1,415 feet to the North-South centerline of Section 30; thence North on said centerline 2,650 feet to the 1/16 section corner; thence West on the 1/16 section line 1,404.5 feet to an iron pipe; thence South and parallel to the West boundary line of said Section 30 a distance of 2,650 feet to the place of beginning.

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STATE OF OREGON

PARCEL IV (Tax Lot 1000; Approximately 42.69 acres):

Part of the Southwest one-quarter of the Northwest one-quarter and part of the Northwest one-quarter of the Southwest one-quarter of Section 30, Township 3 South, Range 1 East of the Willamette Meridian, in the County of Clackamas and State of Oregon, described as:

Beginning at a basalt stone monument set at a point in the West boundary of Section 30, Township 3 South, Range 1 East of the Willamette Meridian, that is 621.3 feet North of the one-quarter section corner on the West boundary of said section; said stone marking the Southeast corner of the George L. Curry Donation Land Claim in Township 3 South, Range 1 East of the Willamette Meridian; running thence North tracing the meridian line, 704.7 feet to the Northwest corner of that certain tract of land conveyed to Eulia E. Hampton, by deed recorded in Book 199, Page 536, Records of Deeds of Clackamas County, Oregon; thence East 1,404.5 feet tracing the North boundary of said tract to the Northwest corner of the tract of land described as Parcel III in deed to Thomas L. Thomsen, Jr., recorded September 16, 1992, Recorder's Fee No. 92 57845; thence South tracing the West boundary of said tract, 1,507.90 feet to a point; thence West 1,244.35 feet to an iron pipe; thence North parallel to the West boundary of said Section 30, 803.20 feet to an iron pipe; thence West 165 feet to the place of beginning.

SAVE AND EXCEPT that portion of the above described property conveyed to Douglas Ver Meer and Linda Ver Meer, husband and wife, by deed recorded November 29, 1974, Fee No. 74 33426, Clackamas County Deed Records.

PARCEL V (Tax Lot 1200; Approximately 40 acres):

Part of the South one-half of the Northwest one-quarter, and part of the North one-half of the Southwest one-quarter of Section 30, Township 3 South, Range 1 East of the Willamette Meridian, in the County of Clackamas and State of Oregon, described as:

Beginning at a concrete monument set at the one-quarter section corner on the West boundary of Section 30, Township 3 South, Range 1 East of the Willamette Meridian; running thence North on the West boundary of said section, 621.30 feet to the Southeast corner of the George L. Curry Donation Land Claim; thence East 165 feet to an iron pipe; thence South 803.20 feet to an iron pipe; thence East 1,244.35 feet to a point in the West boundary of that certain tract of land described as Parcel III as conveyed to Thomas L. Thomsen, Jr. in deed recorded September 16, 1992, Recorder's Fee No. 92 57845; thence South tracing the West boundary of said tract, 1,141.10 feet to the Southwest corner of said tract; thence West 1,413 feet tracing the South boundary of that tract of land conveyed to Eulia E. Hampton by deed recorded in Book 199 at Page 536, to a concrete monument set at the Southwest corner of said tract, said point being the intersection of the North boundary of the John Anderson Donation Land Claim with the West boundary of Section 30, Township 3 South, Range 1 East of the Willamette Meridian; thence North tracing the West boundary of said section, 1,323.06 feet to the place of beginning.

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6-17888



Oregon

John A. Kitzhaber, MD, Governor

Water Resources Department
North Mall Office Building
725 Summer St. NE, Suite A
Salem, OR 97301
Phone 503-986-0900
FAX 503-986-0904
www.wrd.state.or.us

Jeana Eastman, NW Region Assistant Watermaster, assisted in completing this application. Please contact Jeana Eastman before returning this application due to any missing information or discrepancies.

Thank you,

Jeana Eastman
NW Region Assistant Watermaster
503-986-0896

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SALEM, OREGON

G-17908



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

Water-Use Permit Application Processing

1. Completeness Determination

The Department evaluates whether the application and accompanying map contain all of the information required under OAR 690-310-0040 and OAR 690-310-0050 (www.oregon.gov/owrd/law). The Department also determines whether the proposed use is prohibited by statute. If the Department determines that the application is incomplete, all fees have not been paid, or the use is prohibited by statute, the application and all fees submitted are returned to the applicant.

2. Initial Review

The Department reviews the application to determine whether water is available during the period requested, whether the proposed use is restricted or limited by rule or statute, and whether other issues may preclude approval of or restrict the proposed use. An Initial Review (IR) containing preliminary determinations is mailed to the applicant. The applicant has 14 days from the mailing date to withdraw the application from further processing and receive a refund of all fees paid minus \$200. The applicant may put the application on hold for up to 180 days and may request additional time if necessary.

3. Public Notice

Within 7 days of the mailing of the initial review, the Department gives public notice of the application in the weekly notice published by the Department at www.oregon.gov/owrd. The public comment period is 30 days from publication in the weekly notice.

4. Proposed Final Order Issued

The Department reviews any comments received, including comments from other state agencies related to the protection of sensitive, threatened or endangered fish species. Within 60 days of completion of the IR, the Department issues a Proposed Final Order (PFO) explaining the proposed decision to deny or approve the application. A PFO proposing approval of an application will include a draft permit, and may request additional information or outstanding fees required prior to permit issuance.

5. Public Notice

Within 7 days of issuing the PFO, the Department gives public notice in the weekly notice. Notice includes information about the application and the PFO. Protest must be received by the Department within 45 days after publication of the PFO in the weekly notice. Anyone may file a protest. The protest filing fee is \$350.00 for the applicant and \$700.00 for non-applicants. Protests are filed on approximately 10% of Proposed Final Orders. If a protest is filed, the Department will attempt to settle the protest but will schedule a contested case hearing if necessary.

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6. Final Order Issued

If no protests are filed, the Department issues a Final Order consistent with the PFO. If the application is approved, a permit is issued that specifies the details of the authorized use and any terms, limitations or conditions that the Department deems appropriate.

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G-17988