

Application for a Permit to Use Groundwater

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August 25, 2020
OWRD



Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301-1266
503-986-0900
www.oregon.gov/OWRD

SECTION 1: APPLICANT INFORMATION AND SIGNATURE

Applicant

NAME FREDRICK DAVID HAASE & LINDA REED HAASE		PHONE (HM)	
PHONE (WK)	CELL (541) 520-3904	FAX	
ADDRESS 89258 GREEN HILL RD.			
CITY EUGENE	STATE OR	ZIP 97402	E-MAIL* FDAVIDSTER@GMAIL.COM

Organization

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

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

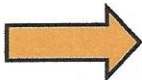
AGENT / BUSINESS NAME WILL MCGILL SURVEYING LLC		PHONE (503) 510-3026	FAX
ADDRESS 15333 PLETZER RD. SE			CELL (503) 931-0210
CITY TURNER	STATE OR	ZIP 97392	E-MAIL* WILLMCGILL.SURVEYING@GMAIL.COM

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 proposed and final order documents will also be mailed.)

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.



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

<i>Fredrick D Haase</i>	Fredrick D Haase	8-20-2020
Applicant Signature	Print Name and Title if applicable	Date
<i>Linda R Haase</i>	Linda R Haase	8/3/20
Applicant Signature	Print Name and Title if applicable	Date

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.

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- YES, there are no encumbrances, *except ODVA mortgage*
- YES, the land is encumbered by easements, rights of way, roads or other encumbrances.
- NO, I have a recorded easement or written authorization permitting access.
- NO, I do not currently have written authorization or easement permitting access.
- NO, 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).
- NO, because water is to be diverted, conveyed, and/or used only on federal lands.

Affected Landowners: List the names and mailing addresses of all owners of any lands that are not owned by the applicant and that are crossed by the proposed ditch, canal or other work, even if the applicant has obtained written authorization or an easement from the owner. *(Attach additional sheets if necessary).*

Legal Description: 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
WELL 1	AMAZON CREEK	1400'	10'
WELL 2	AMAZON CREEK	1600'	10'
WELL 3	AMAZON CREEK	1000'	8'

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).*

SECTION 3: WELL DEVELOPMENT, continued

Total maximum rate requested: 1.0 cfs (each well will be evaluated at the maximum rate unless you indicate well-specific rates and annual volumes in the table below).

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.

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) ****
WELL 1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	LANE 76593	<input type="checkbox"/>	6"	+2-38'	NONE	0-18'	5/8/19 8'	SAND & GRAVEL	38'		186 IR 20 FI 20 LV
WELL 2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	LANE 76667	<input type="checkbox"/>	6"	+1-37'	NONE	0-18'	5/30/19 11'	SAND & GRAVEL	37'		186 IR 20 FI 20 LV
WELL 3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	LANE 76317	<input type="checkbox"/>	6"	+2-38'	NONE	0-21'	11/12/18 10'	SAND & GRAVEL	38'		186 IR 20 FI 20 LV
	<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.

**** *The volumes shown would be the total maximum from all wells combined, not additive.*

SECTION 4: SENSITIVE, THREATENED OR ENDANGERED FISH SPECIES PUBLIC INTEREST INFORMATION

This information must be provided for your application to be accepted as complete. The Water Resources Department will determine whether the proposed use will impair or be detrimental to the public interest with regard to sensitive, threatened or endangered fish species if your proposed groundwater use is determined to have the potential for substantial interference with nearby surface waters.

To answer the following questions, use the map provided in [Attachment 3](#) or the link below to determine whether the proposed point of appropriation (POA) is located in an area where the Upper Columbia, the Lower Columbia, and/or the Statewide public interest rules apply.

For more detailed information, click on the following link and enter the TRSQQ or the Lat/Long of a POA and click on "Submit" to retrieve a report that will show which section, if any, of the rules apply:

https://apps.wrd.state.or.us/apps/misc/lkp_trsqq_features/

If you need help to determine in which area the proposed POA is located, please call the customer service desk at (503) 986-0801.

Upper Columbia - OAR 690-033-0115 thru -0130

Is the well or proposed well located in an area where the Upper Columbia Rules apply?

Yes No

If yes, you are notified that the Water Resources Department will consult with numerous federal, state, local and tribal governmental entities so it may determine whether the proposed use is consistent with the "Columbia River Basin Fish and Wildlife Program" adopted by the Northwest Power Planning Council in 1994 for the protection and recovery of listed fish species. The application may be denied, heavily conditioned, or if appropriate, mitigation for impacts may be needed to obtain approval for the proposed use.

If yes, and if the Department determines that proposed groundwater use has the potential for substantial interference with nearby surface waters:

- I understand that the permit, if issued, will not allow use during the time period April 15 to September 30, except as provided in OAR 690-033-0140.
- I understand that the Department of Environmental Quality will review my application to determine if the proposed use complies with existing state and federal water quality standards.
- I understand that I will install and maintain water use measurement and recording devices as required by the Water Resources Department, and comply with recording and reporting permit condition requirements.

Lower Columbia - OAR 690-033-0220 thru -0230

Is the well or proposed well located in an area where the Lower Columbia rules apply?

Yes No

If yes, and the proposed groundwater use is determined to have the potential for substantial interference with nearby surface waters you are notified that the Water Resources Department will determine, by reviewing recovery plans, the Columbia River Basin Fish and Wildlife Program, and regional restoration programs applicable to threatened or endangered fish species, in coordination with state and federal agencies, as

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appropriate, whether the proposed use is detrimental to the protection or recovery of a threatened or endangered fish species and whether the use can be conditioned or mitigated to avoid the detriment.

If a permit is issued, it will likely contain conditions to ensure the water use complies with existing state and federal water quality standards; and water use measurement, recording and reporting required by the Water Resources Department. The application may be denied, or if appropriate, mitigation for impacts may be needed to obtain approval of the proposed use.

If yes, you will be required to provide the following information, if applicable.

Yes No The proposed use is for more than **one** cubic foot per second (448.8 gpm) and is not subject to the requirements of OAR 690, Division 86 (Water Management and Conservation Plans).

If yes, provide a description of the measures to be taken to assure reasonably efficient water use:

Statewide - OAR 690-033-0330 thru -0340

Is the well or proposed well located in an area where the Statewide rules apply?

Yes No

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If yes, and the proposed groundwater use is determined to have the potential for substantial interference with nearby surface waters you are notified that the Water Resources Department will determine whether the proposed use will occur in an area where endangered, threatened or sensitive fish species are located. If so, the Water Resources Department, Department of Fish and Wildlife, Department of Environmental Quality, and the Department of Agriculture will recommend conditions required to achieve “no loss of essential habitat of threatened and endangered (T&E) fish species,” or “no net loss of essential habitat of sensitive (S) fish species.” If conditions cannot be identified that meet the standards of no loss of essential T E fish habitat or no net loss of essential S fish habitat, the agencies will recommend denial of the application unless they conclude that the proposed use would not harm the species.

SECTION 5: WATER USE

USE	PERIOD OF USE	ANNUAL VOLUME (ACRE-FEET)
Irrigation	Mar. 1 – Oct. 31	186
Fish Culture	Year-Round	20
Livestock	Year-Round	20

For irrigation use only:

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

Primary: 186.0 Acres Supplemental: _____ Acres

If you listed supplemental acres, list the Permit or Certificate number of the underlying primary water right(s):

Indicate the maximum total number of acre-feet you expect to use in an irrigation season: 186 AF

- If the use is **municipal or quasi-municipal**, attach **Form M**
- If the use is **domestic**, indicate the number of households: _____ (**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 Department Use: App. Number: _____

- If the use is **mining**, describe what is being mined and the method(s) of extraction (*attach additional sheets if necessary*): _____

SECTION 6: WATER MANAGEMENT

A. Diversion and Conveyance

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

- Pump (give horsepower and type): ½ HP submersible, Airlift pump
 Other means (describe):

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Provide a description of the proposed means of diversion, construction, and operation of the diversion works and conveyance of water. Airlift pipe or submersible pump helps appropriate water to 2-4" aluminum above ground and buried PVC mainline.

B. Application Method

What equipment and method of application will be used? (e.g., drip, wheel line, high-pressure sprinkler) (*attach additional sheets if necessary*)

Drip

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 (*attach additional sheets if necessary*).

The amount of water requested is less than standard and an efficient irrigation system will be installed with water use measuring capability.

SECTION 7: PROJECT SCHEDULE

- Date construction will begin: Upon permit issuance.
- Date construction will be completed: Request standard 5 year completion time
- Date beneficial water use will begin: Upon permit issuance

SECTION 8: RESOURCE PROTECTION

In granting permission to use water the state encourages, and in some instances requires, careful control of activities that may affect adjacent waterway or streamside area. See instruction guide for a list of possible permit requirements from other agencies. Please indicate any of the practices you plan to undertake to protect water resources.

- Water quality will be protected by preventing erosion and run-off of waste or chemical products.
 Describe: Equipment will be kept in good operating condition to avoid run-off and waste.
- Excavation or clearing of banks will be kept to a minimum to protect riparian or streamside areas.
Note: If disturbed area is greater than one acre, applicant should contact the Oregon Department of Environmental Quality to determine if a 1200C permit is required.
 Describe planned actions and additional permits required for project implementation: No excavation or clearing will be necessary for this project.

Other state and federal permits or contracts required and to be obtained, if a water right permit is granted:
List: _____

SECTION 9: WITHIN A DISTRICT

Check here if the point of appropriation (POA) or place of use (POU) are located within or served by an irrigation or other water district.

Irrigation District Name <i>Junction City Water Control District</i>	Address <i>95282 Highway 99</i>
City <i>Junction City</i>	State <i>OR</i> Zip <i>97448</i>

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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Minimum Requirements Checklist

Minimum Requirements (OAR 690-310-0040, OAR 690-310-0050 & ORS 537.140)

Include this checklist with the application

Check that each of the following items is included. The application will be returned if all required items are not included. If you have questions, please call the Water Rights Customer Service Group at (503) 986-0900.

Please submit the original application and signatures to the Water Resources Department. Applicants are encouraged to keep a copy of the completed application.

- SECTION 1: Applicant Information and Signature
- SECTION 2: Property Ownership
- SECTION 3: Well Development
- SECTION 4: Sensitive, Threatened or Endangered Fish Species Public Interest Information
- SECTION 5: Water Use
- SECTION 6: Water Management
- SECTION 7: Project Schedule
- SECTION 8: Resource Protection
- SECTION 9: Within a District
- SECTION 10: Remarks

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Include the following additional items:

- Land Use Information Form with approval and signature of local planning department (*must be an original*) or signed receipt.
- 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.
- Fees - Amount enclosed: \$3,610
See the Department's Fee Schedule at www.oregon.gov/owrd or call (503) 986-0900.
- Map that includes the following items:
 - Permanent quality and drawn in ink
 - Even map scale not less than 4" = 1 mile (example: 1" = 400 ft, 1" = 1320 ft, etc.)
 - North Directional Symbol
 - Township, Range, Section, Quarter/Quarter, Tax Lots
 - Reference corner on map
 - Location of each diversion, by reference to a recognized public land survey corner (distances north/south and east/west)
 - Indicate the area of use by Quarter/Quarter and tax lot identified clearly.
 - Number of acres per Quarter/Quarter and hatching to indicate area of use if for primary irrigation, supplemental irrigation, or nursery
 - Location of main canals, ditches, pipelines or flumes (if well is outside of the area of use)

Note: In addition to a groundwater application, a standard reservoir application is required to store groundwater in a reservoir. If an applicant proposes to divert water from a reservoir, a surface water application is also required.

WELL 1

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765 & OAR 690-205-0210)

WELL I.D. LABEL# 132088
START CARD # 2157101
ORIGINAL LOG #

(1) LAND OWNER
Owner Well I.D. _____
First Name Frederick Last Name Haase
Company _____
Address 89258 Greenhill
City Eugene State OR Zip 97402

(2) TYPE OF WORK New Well Deepening Conversion
 Alteration (complete 2a & 10) Abandonment (complete 5a)

(2a) PRE-ALTERATION
Dia + From To Gauge Stl Plstc Wld Thrd
Casing:
Material From To Amt sacks/lbs
Seal: _____

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

(4) PROPOSED USE Domestic Irrigation Community
 Industrial/ Commercial Livestock Dewatering
 Thermal Injection Other _____

(5) BORE HOLE CONSTRUCTION Special Standard (Attach copy)
Depth of Completed Well 38' ft.
BORE HOLE SEAL sacks/lbs
Dia From To Material From To Amt lbs

10"	0'	18'	Bentonite	0'	18'	10 Scks
6"	18'	38'			Calculated	8 Scks
					Calculated	

How was seal placed: Method A B C D E
 Other as per DAR 690-210-340 screened
Backfill placed from _____ ft. to _____ ft. Material 2 Hyd.
Filter pack from _____ ft. to _____ ft. Material _____ Size _____
Explosives used: Yes Type _____ Amount _____

(5a) ABANDONMENT USING UNHYDRATED BENTONITE
Proposed Amount _____ Pounds Actual Amount _____ Pounds

(6) CASING/LINER
Casing Liner Dia + From To Gauge Stl Plstc Wld Thrd

<input checked="" type="checkbox"/>	<input type="checkbox"/>	6"	+2'	38'	250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Shoe Inside Outside Other Location of shoe(s) None
Temp casing Yes Dia _____ From _____ To _____

(7) PERFORATIONS/SCREENS
Perforations Method None
Screens Type _____ Material _____
Perf/S Casing/ Screen Scrn/slot Slot # of Tel/
reen Liner Dia From To width length slots pipe size

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(8) WELL TESTS: Minimum testing time is 1 hour
 Pump Bailor Air Flowing Artesian
Yield gal/min 289pm Drawdown _____ Drill stem/Pump depth 38' Duration (hr) 1 Hr
Temperature 58 °F Lab analysis Yes By _____
Water quality concerns? Yes (describe below) TDS amount 129
From _____ To _____ Description _____ Amount _____ Units _____

LANE - 76593
(9) LOCATION OF WELL (legal description)
County Lane Twp 17S N/S W Range 4W E/W WM
Sec 19 1/4 of the _____ 1/4 Tax Lot 100
Tax Map Number _____ Lot _____
Lat 44° 5' 4" NW DMS or DD
Long 123° 12' 35" OW DMS or DD
 Street address of well Nearest address
Same

(10) STATIC WATER LEVEL
Date SWL (psi) + SWL (ft)
Existing Well / Pre-Alteration _____
Completed Well 5-8-19 8'
Flowing Artesian? Dry Hole?
WATER BEARING ZONES Depth water was first found 24'
SWL Date From To Est Flow SWL (psi) + SWL (ft)

<u>5-8-19</u>	<u>24'</u>	<u>38'</u>	<u>289pm</u>	<u>8'</u>
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(11) WELL LOG
Ground Elevation _____

Material	From	To
<u>Grey Clay</u>	<u>0</u>	<u>11</u>
<u>Cemented Gravel</u>	<u>11</u>	<u>17</u>
<u>Brown Sand w/ Gravel</u>	<u>17</u>	<u>26</u>
<u>Brown Gravel/sand</u>	<u>26</u>	<u>38</u>

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Date Started 5-8-19 Completed 5-8-19

(unbonded) Water Well Constructor Certification
I certify that the work I performed on the construction, deepening, 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.
License Number _____ Date _____
Signed _____

(bonded) Water Well Constructor Certification
I accept responsibility for the construction, deepening, 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.
License Number 751 Date 5-8-19
Signed D. Joe Faving
Contact Info (optional) Mid Valley Drilling Inc
541-847-5470 Joe Faving

(1) LAND OWNER Owner Well I.D.
 First Name Fredrick Last Name Hoase
 Company _____
 Address 89258 Greenhill
 City Eugene State OR Zip 97402

(2) TYPE OF WORK New Well Deepening Conversion
 Alteration (Complete 2a & 10) Abandonment (complete 5a)

(2a) PRE-ALTERATION
 Dia + From To Gauge Stil Plstc Wld Thrd
 Casing:
 Material From To Amt sacks/lbs
 Seal: _____

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

(4) PROPOSED USE Domestic Irrigation Community
 Industrial/ Commercial Livestock Dewatering
 Thermal Injection Other _____

(5) BORE HOLE CONSTRUCTION Special Standard (Attach copy)
 Depth of Completed Well 37' ft.
 BORE HOLE SEAL sacks/
 Dia From To Material From To Amt lbs

10"	0'	18'	Bentonite	0'	18'	10	Scks
6"	18'	37'				8	Scks
						Calculated	

How was seal placed: Method A B C D E
 Other As Per OAR 690-210-340 Screened
 Backfill placed from _____ ft. to _____ ft. Material 8 Hyd
 Filter pack from _____ ft. to _____ ft. Material _____ Size _____
 Explosives used: Yes Type _____ Amount _____

(5a) ABANDONMENT USING UNHYDRATED BENTONITE
 Proposed Amount Pounds Actual Amount Pounds

(6) CASING/LINER
 Casing Liner Dia + From To Gauge Stil Plstc Wld Thrd

<input checked="" type="checkbox"/>	<input type="checkbox"/>	6"		1'	37'	250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
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 Shoe Inside Outside Other Location of shoe(s) None
 Temp casing Yes Dia _____ From _____ To _____

(7) PERFORATIONS/SCREENS
 Perforations Method None
 Screens Type _____ Material _____

Perf/S screen	Casing/ Liner	Screen Dia	From	To	Scr/slot width	Slot length	# of slots	Tele/ pipe size

(8) WELL TESTS: Minimum testing time is 1 hour
 Pump Bailer Air Flowing Artesian
 Yield gal/min 30+ GPM Drawdown 37' Drill stem/Pump depth 1 Hr Duration (hr)
 Temperature 58° °F Lab analysis Yes By _____
 Water quality concerns? Yes (describe below) TDS amount 121

From	To	Description	Amount	Units

(9) LOCATION OF WELL (legal description)
 County Jamez Twp 17S NS Range 04W EW WM
 Sec 19 1/4 of the _____ 1/4 Tax Lot 100
 Tax Map Number _____ Lot _____
 Lat 44° 4' 54" N DMS or DD
 Long 123° 12' 29" W DMS or DD
 Street address of well Nearest address

89258 Greenhill Eugene, OR 97402

(10) STATIC WATER LEVEL
 Date SWL(psi) + SWL(ft)
 Existing Well / Pre-Alteration _____
 Completed Well 5-30-19 _____ 11'
 Flowing Artesian? Dry Hole?

WATER BEARING ZONES Depth water was first found 21'

SWL Date	From	To	Est Flow	SWL(psi)	+ SWL(ft)
<u>5-30-19</u>	<u>21'</u>	<u>37'</u>	<u>Botgpm</u>		<u>11'</u>

(11) WELL LOG Ground Elevation _____

Material	From	To
<u>Topsoil</u>	<u>0</u>	<u>2</u>
<u>Brown clay</u>	<u>2</u>	<u>7</u>
<u>Brown clay w/ Gravel</u>	<u>7</u>	<u>19</u>
<u>Brown Gravel w/ Sand</u>	<u>19</u>	<u>37</u>

Date Started 5-30-19 Completed 5-30-19

(unbonded) Water Well Constructor Certification
 I certify that the work I performed on the construction, deepening, 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.
 License Number _____ Date _____
 Signed _____

(bonded) Water Well Constructor Certification
 I accept responsibility for the construction, deepening, 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.
 License Number 751 Date 5-30-19
 Signed D. Joe Lovins
 Contact Info (optional) Midvale Drilling Inc
541-847-5470 Joe Lovins

(1) LAND OWNER Owner Well I.D. _____
 First Name Frederick D. Last Name Hoase
 Company _____
 Address 89258 Greenhill Rd
 City Eugene State OR Zip 97402

(2) TYPE OF WORK New Well Deepening Conversion
 Alteration (complete 2a & 10) Abandonment (complete 5a)

(2a) PRE-ALTERATION
 Dia + From To Gauge Stl Plstc Wld Thrd
 Casing:
 Material From To Amt sacks/lbs
 Seal: _____

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

(4) PROPOSED USE Domestic Irrigation Community
 Industrial/ Commercial Livestock Dewatering
 Thermal Injection Other _____

(5) BORE HOLE CONSTRUCTION Special Standard (Attach copy)
 Depth of Completed Well 38' ft.
 BORE HOLE SEAL sacks/lbs

Dia	From	To	Material	From	To	Amt	lbs
10"	0'	21'	Bentonite	0'	21'	9	Scks
6"	21'	38'				9	Scks
						Calculated	

How was seal placed: Method A B C D E
 Other as per OAR 690-210-340 screened
 Backfill placed from _____ ft. to _____ ft. Material Hyd.
 Filter pack from _____ ft. to _____ ft. Material _____ Size _____
 Explosives used: Yes Type _____ Amount _____

(5a) ABANDONMENT USING UNHYDRATED BENTONITE
 Proposed Amount Pounds Actual Amount Pounds

(6) CASING/LINER

Casing	Liner	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
<input checked="" type="checkbox"/>	<input type="checkbox"/>	6"		22'	38'	1250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

 Shoe Inside Outside Other Location of shoe(s) None
 Temp casing Yes Dia _____ From _____ To _____

(7) PERFORATIONS/SCREENS
 Perforations Method None
 Screens Type _____ Material _____

Per/S	Casing/	Screen	Scrn/slot	Slot	# of	TeL/
green	Liner	Dia	width	length	slots	pipe size

(8) WELL TESTS: Minimum testing time is 1 hour
 Pump Bailer Air Flowing Artesian

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)
309gpm		38'	1 Hr

 Temperature 56° °F Lab analysis Yes By _____
 Water quality concerns? Yes (describe below) TDS amount 142

From	To	Description	Amount	Units

(9) LOCATION OF WELL (legal description)
 County lane Twp 17.5 N Range 04 W E/W/M
 Sec 19 1/4 of the _____ 1/4 Tax Lot 100
 Tax Map Number _____ Lot _____
 Lat 44° 5' 4" N DMS or DD
 Long 123° 12' 35" W DMS or DD
 Street address of well Nearest address

same

(10) STATIC WATER LEVEL

Existing Well / Pre-Alteration Completed Well	Date	SWL (psi)	+	SWL (ft)
	11-12-18			10'

 Flowing Artesian? Dry Hole?

WATER BEARING ZONES Depth water was first found 21'

SWL Date	From	To	Est Flow	SWL (psi)	+	SWL (ft)
11-12-18	21'	38'	309gpm			10'

(11) WELL LOG Ground Elevation _____

Material	From	To
Topsoil	0	2
Gray Clay (Sticky)	2	11
Gray Clay w/Gravel	11	21
Brown Sand	21	25
Brown Gravel & Sand	25	38

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 NOV 19 2018
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Date Started 11-12-18 Completed 11-12-18

(unbonded) Water Well Constructor Certification
 I certify that the work I performed on the construction, deepening, 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.
 License Number _____ Date _____
 Signed _____

(bonded) Water Well Constructor Certification
 I accept responsibility for the construction, deepening, 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.
 License Number 751 Date 11-12-18
 Signed D. Joe Loving
 Contact Info (optional) Mid Valley Drilling Inc
541-847-5470 Joe Loving



\$47.00

07/30/2010 02:50:43 PM

RPR-DEED Cnt=1 Stn=15 CASHIER 06
\$10.00 \$11.00 \$16.00 \$10.00

After Recording Return to:

Linda Reed Haase, Trustee
1148 NE Revere Ave
Bend, OR 97701

Mail Tax Statements to:

Linda Reed Haase, Trustee
1148 NE Revere Ave
Bend, OR 97701

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BARGAIN AND SALE DEED


LINDA REED HAASE, Grantor, as to her undivided 50% (one-half) interest, hereby grants and conveys to **The LINDA REED HAASE REVOCABLE TRUST**, her interest in and to the following described real property located in Lane County, Oregon:

All that real property set forth and described in Exhibit A which is attached hereto and is hereby incorporated by reference.

The true consideration for this conveyance is other than money.

BEFORE SIGNING OR ACCEPTING THIS INSTRUMENT, THE PERSON TRANSFERRING FEE TITLE SHOULD INQUIRE ABOUT THE PERSON'S RIGHTS, IF ANY, ORS 197.352. THIS INSTRUMENT WILL NOT ALLOW USE OF THE PROPERTY DESCRIBED IN THIS INSTRUMENT IN VIOLATION OF APPLICABLE LAND USE LAWS AND REGULATIONS. BEFORE SIGNING OR ACCEPTING THIS INSTRUMENT, THE PERSON ACQUIRING FEE TITLE TO THE PROPERTY SHOULD CHECK WITH THE APPROPRIATE CITY OR COUNTY PLANNING DEPARTMENT TO VERIFY APPROVED USES AND TO DETERMINE ANY LIMITS ON LAWSUITS AGAINST FARMING OR FOREST PRACTICES AS DEFINED IN ORS 30.930 AND TO INQUIRE ABOUT THE RIGHTS OF NEIGHBORING PROPERTY OWNERS, IF ANY, ORS 197.352.

By executing this instrument, Grantor certifies that s/he is not a "foreign person" as that term is defined in the Internal Revenue Code, Section 1445.



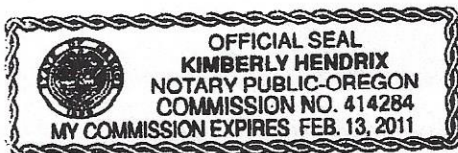
Linda Reed Haase, Grantor

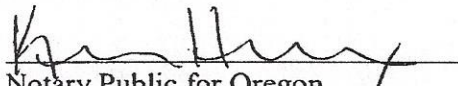
6-3-2010

Date

State of Oregon, County of Deschutes) ss.

Linda Reed Haase appeared personally before me on ^{JUNE} ~~April~~ 3, 2010 and acknowledged that she executed the foregoing Deed freely and voluntarily.





Notary Public for Oregon

PARCEL 1:

The South one-half of the Northeast one-quarter, the Southeast one-quarter of the Northwest one-quarter and that portion of the Northeast one-quarter of the Southwest one-quarter and that portion of the North one-half of the Southeast one-quarter lying North of the Northerly line of the Amazon Diversion Channel in Section 19, Township 17 South, Range 4 West of the Willamette Meridian, in Lane County, Oregon;

EXCEPTING THEREFROM: Beginning at a point on the West line of County Road No. 465, 967.69 feet North 0 degrees 04' 45" East and North 37 degrees 28' 30" West 49.22 feet from the Southeast corner of Section 19, Township 17 South, Range 4 West of the Willamette Meridian, and run thence North 0 degrees 04' 45" East 949.5 feet along said line thence South 52 degrees 31' 30" West 578.73 feet to the Northerly right of way line of the Amazon diversion Canal, and being the true point of beginning, run thence North 52 degrees 31' 30" East 578.73 feet to the west line of said County Road No. 465; thence North 0 degrees 04' 45" East along said West line to the North line of the Southeast quarter of said Section 19; thence West along the North line of said Southeast quarter to the East right of way line of the Bonneville Power Administration's Marion-Lane No. 1 transmission line; thence Southwesterly along said East right of way line to the Northerly right of way line to the true point of beginning in Lane County, Oregon;

ALSO EXCEPTING THEREFROM that portion conveyed to C. L. John and Margaret L. John, husband and wife, by deed recorded October 15, 1959, Reception No. 80929, Lane County Oregon Deed Records, in Lane County, Or.

PARCEL 2:

Beginning at a point in Amazon Creek on the North line of Section 19, Township 17 South, Range 4 West of the Willamette Meridian 905.0 feet North 89 degrees 54' 40" East of the North one-quarter corner of said Section 19; thence following said creek up-stream along a 462.42 feet radius curve to the left having a central angle of 41 degrees 43' 10" and arc length of 336.71 feet, by a long chord that bears South 02 degrees 24' 50" West 329.32 feet; thence South 18 degrees 26' 45" East 662.63 feet; thence South 35 degrees 32' 50" East 415.81 feet to a point on the South line of the North half of the Northeast quarter of said section 19; thence South 89 degrees 01' 20" East along said South line to the Southeast corner of the North half of the Northeast quarter of said Section 19; thence North along the East line of said Section 19 to the Northeast corner thereof; thence South 89 degrees 54' 40" West along the North line of said Section 19 to the point of beginning, in Lane County Oregon.

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Exhibit A

Division of Chief Deputy Clerk
Lane County Deeds and Records

2006-087017



\$36.00

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12/05/2006 01:23:31 PM

RPR-DEED Cnt=1 Stn=1 CASHIER 05
\$15.00 \$11.00 \$10.00

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3

BARGAIN AND SALE DEED

Karen E Pierce, hereinafter referred to as Grantor, hereby conveys to Fredrick D Haase hereafter referred to as Grantee, Real Property located in Lane County, Oregon, described more particularly on the attached page.

See attached Legal Description:

which conveyance is subject to any existing liens and leases against said property.

The true and actual consideration for this conveyance is other than cash.

Date of conveyance July 11 2001.

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Karen E Pierce

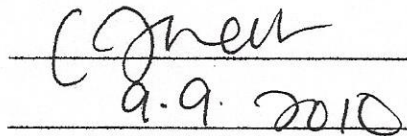
THIS INSTRUMENT WILL NOT ALLOW USE OF THE PROPERTY DESCRIBED IN THIS INSTRUMENT IN VIOLATION OF APPLICABLE LAND USE LAWS AND REGULATIONS BEFORE SIGNING OR ACCEPTING THIS INSTRUMENT, THE PERSON ACQUIRING FEE TITLE TO THE PROPERTY SHOULD CHECK WITH THE APPROPRIATE CITY OR COUNTY PLANNING DEPARTMENT TO VERIFY APPROVED USES.

State of Oregon

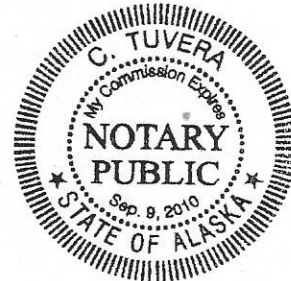
County of Lane

Personally appeared before me the above named Karen E Pierce and acknowledged the forgoing instrument to be her voluntary act and deed.

Notary Public for Alaska dated 11/20/2004



9.9.2010



Karen E Pierce Grantor

Fredrick David Haase Grantee

AFTER RECORDING RETURN TO: AND

Send tax statements to Fredrick David Haase, 200 West 34th PMB 587 Anchorage AK 99503

PARCEL 1:

The South one-half of the Northeast one-quarter, the Southeast one-quarter of the Northwest one-quarter and that portion of the Northeast one-quarter of the Southwest one-quarter and that portion of the North one-half of the Southeast one-quarter lying North of the Northerly line of the Amazon Diversion Channel in Section 19, Township 17 South, Range 4 West of the Willamette Meridian, in Lane County, Oregon;

EXCEPTING THEREFROM: Beginning at a point on the West line of County Road No. 465, 967.69 feet North 0 degrees 04' 45" East and North 37 degrees 28' 30" West 49.22 feet from the Southeast corner of Section 19, Township 17 South, Range 4 West of the Willamette Meridian, and run thence North 0 degrees 04' 45" East 949.5 feet along said line thence South 52 degrees 31' 30" West 578.73 feet to the Northerly right of way line of the Amazon diversion Canal, and being the true point of beginning, run thence North 52 degrees 31' 30" East 578.73 feet to the west line of said County Road No. 465; thence North 0 degrees 04' 45" East along said West line to the North line of the Southeast quarter of said Section 19; thence West along the North line of said Southeast quarter to the East right of way line of the Bonneville Power Administration's Marion-Lane No. 1 transmission line; thence Southwesterly along said East right of way line to the Northerly right of way line to the true point of beginning in Lane County, Oregon;

ALSO EXCEPTING THEREFROM that portion conveyed to C. L. John and Margaret L. John, husband and wife, by deed recorded October 15, 1959, Reception No. 80929, Lane County Oregon Deed Records, in Lane County, Or.

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EXCEPTING therefrom that portion invested in Lane County, a political subdivision of the State of Oregon, by judgement entered August 13, 1999, in Circuit Court of Oregon, Lane County, Case No. 16-99-10410, in Lane County, Oregon.

Together with all the singular tenements, hereditaments and appurtenances thereto belonging or in anyway appertaining. This instrument does not guarantee that any particular use may be made of the property described in this instrument. A buyer should check with the appropriate city or county planning department to verify approved uses.

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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.oregon.gov/OWRD

NOTE TO APPLICANTS

In order for your application to be processed by the Water Resources Department (WRD), this Land Use Information Form must be completed by a local government planning official in the jurisdiction(s) where your water right will be used and developed. The planning official may choose to complete the form while you wait, or return the receipt stub to you. Applications received by WRD without the Land Use Form or the receipt stub will be returned to you. Please be aware that your application will not be approved without land use approval.

This form is NOT required if:

- 1) Water is to be diverted, conveyed, **and/or** used only on federal lands; **OR**
- 2) The application is for a water right transfer, allocation of conserved water, exchange, permit amendment, or groundwater registration modification, **and all** of the following apply:
 - a) The existing and proposed water use is located entirely within lands zoned for exclusive farm-use or within an irrigation district;
 - b) The application involves a change in place of use only;
 - c) The change does not involve the placement or modification of structures, including but not limited to water diversion, impoundment, distribution facilities, water wells and well houses; **and**
 - d) The application involves irrigation water uses only.

NOTE TO LOCAL GOVERNMENTS

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The person presenting the attached Land Use Information Form is applying for or modifying a water right. The Water Resources Department (WRD) requires its applicants to obtain land use information to be sure the water rights do not result in land uses that are incompatible with your comprehensive plan. Please complete the form or detach the receipt stub and return it to the applicant for inclusion in their water right application. You will receive notice once the applicant formally submits his or her request to the WRD. The notice will give more information about WRD's water rights process and provide additional comment opportunities. You will have 30 days from the date of the notice to complete the land use form and return it to the WRD. If no land use information is received from you within that 30-day period, the WRD may presume the land use associated with the proposed water right is compatible with your comprehensive plan. Your attention to this request for information is greatly appreciated by the Water Resources Department. If you have any questions concerning this form, please contact the WRD's Customer Service Group at 503-986-0801.

Land Use Information Form



Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301-1266
503-986-0900
www.oregon.gov/OWRD

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Applicant

NAME FREDRICK DAVID HAASE & LINDA REED HAASE				PHONE (HM)	
PHONE (WK)		CELL (541) 520-3904		FAX	
ADDRESS 89258 GREEN HILL RD.					
CITY EUGENE		STATE OR	ZIP 97402	E-MAIL* FDAVIDSTER@GMAIL.COM	

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:
17S	4W	19	NENE	100	EFU	<input checked="" type="checkbox"/> Diverted	<input type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	farming
17S	4W	19	NWNE	100	EFU	<input type="checkbox"/> Diverted	<input type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	farming
17S	4W	19	SE NE SE SW NE NW SE	600	EFU	<input type="checkbox"/> Diverted	<input type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	farming
						<input type="checkbox"/> Diverted	<input type="checkbox"/> Conveyed	<input type="checkbox"/> Used	

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

Lane 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 Groundwater Registration Modification
 Limited Water Use License Allocation of Conserved Water Exchange of Water

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

Estimated quantity of water needed: 226 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 Livestock, Fish Culture

Briefly describe:

It is proposed to irrigate crops on tax lots 100 & 600 with Wells 1, 2, & 3. The wells will also be used to raise fish and livestock.



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.

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.

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 OWRD

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): LC 16-22(3)-1.1

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.

irrigation for crops is from allowed as farm use, pursuant to LC 16-22(3)-1.1

NAME: <u>Jordan Borst</u>	TITLE: <u>Tech</u>
SIGNATURE: <u>[Signature]</u>	PHONE: <u>(541) 652-6986</u>
GOVERNMENT ENTITY: <u>Lane County</u>	DATE: <u>8/20/2020</u>

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: _____