

**CLAIM OF
BENEFICIAL USE
for Transfer with Multiple
Changes - Groundwater**



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

A fee of \$345 must accompany this form for transfers where the application was submitted on July 9, 1987, or later.

Enter the date the transfer application was submitted:

4/11/2022

A separate form shall be completed for each transfer.

This form is subject to revision. **Begin each new claim** by checking for a new version of this form at:

<https://www.oregon.gov/OWRD/Forms/Pages/default.aspx>

The completion of this form is required by OAR 690-014-0100(1) and 690-014-0110(4).

Please type or print in dark ink. If this form is found to contain errors or omissions, it may be returned to you. **Every item must have a response.** If any requested information does not apply to the claim, insert "NA." **Do not delete or alter any section of this form unless directed by the form.** The Department may require the submittal of additional information from any water user or authorized agent.

"Section 7" of this form is intended to aid in the completion of this form and should not be submitted.

A claim of beneficial use includes both this report and a map. If the map is being mailed separately from this form, please include a note with this form indicating such.

If you have questions regarding the completion of this form, please call 503-986-0900.

The Department has a program that allows it to enter into a voluntary agreement with an applicant for expedited services. Under such an agreement, the applicant pays the cost to hire additional staff that would not otherwise be available. This program means a certificate may be issued in about a month. For more information on this program see:

<https://www.oregon.gov/OWRD/programs/WaterRights/RA/Pages/default.aspx>

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SECTION 1

GENERAL INFORMATION

Type of Authorized Change

This Claim is being submitted for a transfer involving multiple changes.

YES

Mark all that apply:

1. ☒ Change in POA(s) or Additional POA(s) 2. ☒ Change in Place of Use
3. ☐ Change in Character of Use

A separate section will be completed for each type of change authorized in the transfer final order.

1. File Information

APPLICATION #

T-13973

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2. Property Owner (current owner information)

APPLICANT/BUSINESS NAME Daniel Roth		PHONE NO.	ADDITIONAL CONTACT NO.
ADDRESS P.O. Box 24			
CITY Christmas Valley	STATE OR	ZIP 97641	E-MAIL

If the current property owner is not the transfer holder of record, it is recommended that an assignment be filed with the Department. ***Each transfer holder of record must sign this form.***

3. Transfer holder of record (this may, or may not, be the current property owner)

TRANSFER HOLDER OF RECORD NA		
ADDRESS		
CITY	STATE	ZIP

4. Date of Site Inspection:

2/03/2026

5. Person(s) interviewed and description of their association with the project:

NAME	DATE	ASSOCIATION WITH THE PROJECT
Dwight Roth	2/03/2026	operator

6. County:

Lake

7. If any property described in the place of use of the transfer final order is excluded from this report, identify the owner of record for that property (ORS 537.230(5)):

OWNER OF RECORD NA		
ADDRESS		
CITY	STATE	ZIP

Add additional tables for owners of record as needed

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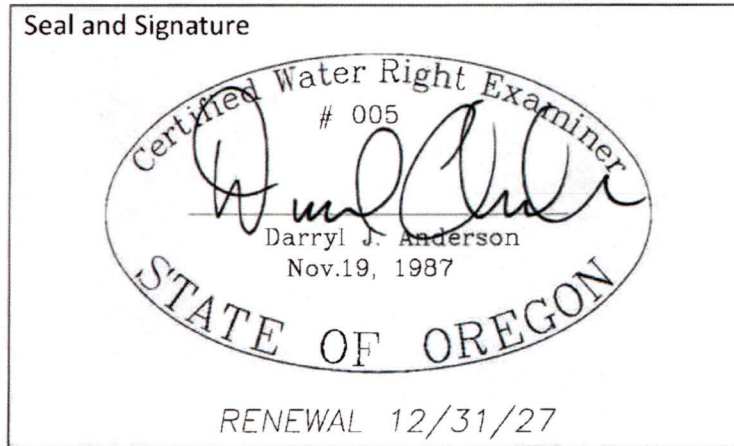
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SECTION 2
SIGNATURES

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CWRE Statement, Seal and Signature

The facts contained in this Claim of Beneficial Use are true and correct to the best of my knowledge.



CWRE NAME Darryl Anderson		PHONE NO. 541-947-4407	ADDITIONAL CONTACT NO.
ADDRESS 17681 Highway 395			
CITY Lakeview	STATE OR	ZIP 97630	CITY Lakeview

Transfer Holder of Record Signature or Acknowledgement

Each transfer holder of record must sign this form in the space provided below.

The facts contained in this Claim of Beneficial Use are true and correct to the best of my knowledge. I request that the Department issue a water right certificate.

SIGNATURE	PRINT OR TYPE NAME	TITLE	DATE
Daniel Roth	DANIEL ROTH	OWNER	5-16-2026

SECTION 3
Changes Made

Note: The Claim only needs to describe the changes that were authorized in the transfer final order.

Change #1

Change in POA(s) or Additional POA(s)

Did the transfer order authorize a change in the points of appropriation or additional points of appropriation?
YES

1. New or additional point of appropriation name or number:

POINT OF APPROPRIATION (POA) NAME OR NUMBER (CORRESPOND TO MAP)	WELL LOG ID # FOR ALL WORK PERFORMED ON THE WELL (IF APPLICABLE)	WELL TAG # (IF APPLICABLE)	SOURCE (IF LISTED IN TRANSFER FINAL ORDER)
Well #8	LAKE 225, LAKE 4578, LAKE 50556	NA	A well, tributary of Fort Rock Basin
Well #9	LAKE 51691	L76807	A well, tributary of Fort Rock Basin

Attach each well log available for the well (include the log for the original well and any subsequent alterations, reconstructions, or deepenings)

If well logs are available, items A and B below can be deleted

A. If well logs are not available, provide as much of the following information as possible:

CASING DIAMETER	CASING DEPTH	TOTAL DEPTH	COMPLETION DATE OF ORIGINAL WELL	COMPLETION DATES OF ALTERATIONS	WHO THE WELL WAS DRILLED FOR	WELL DRILLED BY
14"	+1-137	590'	5/7/1980	5/28/95, 3/15/98	Gilbert Crowson	Mel Search Well Drilling
18"	+1-19	220'	5/15/2005	NA	Roth Farms	Search Drilling Inc

B. In addition to the information requested in item "A" above, provide any other information which may help the Department locate any well logs associated with this appropriation.

Well logs are attached

2. Variations:

Was the use developed differently from what was authorized by the transfer final order, or extension final?
NO

If yes, describe below.

(e.g. "The order allowed three new/additional points of appropriation. The water user only developed one of the points.")

No variations

3. Claim Summary:

NEW OR ADDITIONAL POA NAME OR #	MAXIMUM RATE AUTHORIZED	CALCULATED THEORETICAL RATE BASED ON SYSTEM	AMOUNT OF WATER MEASURED
Well #8	0.229 cfs	2.31 cfs (full pivot rotation)	NA
Well #9	1.543	1.60	NA

System Description

Are there multiple new or additional Points of Appropriation (POA)? **YES**

If "YES" you will need to copy and complete either Section A or B in this Section for each POA.

POA Name or Number this section describes (only needed if there is more than one):

Well #8

A. POA System Information

Provide the following information concerning the point of appropriation. Information provided must describe the equipment used to appropriate water from the point of appropriation.

1. Pump Information:

MANUFACTURER	MODEL	SERIAL NUMBER	TYPE (CENTRIFUGAL, TURBINE OR SUBMERSIBLE)	INTAKE SIZE	DISCHARGE SIZE
Fairbanks Morse	HI6FL7100b	NA	Turbine	6"	8"

2. Motor Information:

MANUFACTURER	HORSEPOWER
U.S. Electrical Motors	75

3. Theoretical Pump Capacity – Pump at Well:

HORSEPOWER	OPERATING PSI	LIFT FROM SOURCE TO GROUND SURFACE (THE DEPTH TO WATER FROM THE GROUND SURFACE MEASURED AT THE WELL DURING PUMPING)	LIFT TO PLACE OF USE (THE LIFT FROM THE GROUND SURFACE AT THE WELL TO THE PLACE OF USE)	TOTAL PUMP OUTPUT (IN CFS)
75	37	110	10	2.30

Reminder: For pump calculations use the reference information at the end of this document.

4. Provide pump calculations:

See Attached

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5. Additional notes or comments related to the system:

The system covers additional water rights and pumps more water than is covered by this transfer.

B. Groundwater Source Information (Well and Sump)

1. Is the appropriation from a dug well (sump)?

NO

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POA Name or Number this section describes (only needed if there is more than one):

Well #9

A. POA System Information

Provide the following information concerning the point of appropriation. Information provided must describe the equipment used to appropriate water from the point of appropriation.

1. Pump Information:

MANUFACTURER	MODEL	SERIAL NUMBER	TYPE (CENTRIFUGAL, TURBINE OR SUBMERSIBLE)	INTAKE SIZE	DISCHARGE SIZE
Aurora Vertiline	10RM	81-71881	Turbine	6"	8"

2. Motor Information:

MANUFACTURER	HORSEPOWER
U.S. Electrical Motors HolloShaft	60

3. Theoretical Pump Capacity – Pump at Well:

HORSEPOWER	OPERATING PSI	LIFT FROM SOURCE TO GROUND SURFACE (THE DEPTH TO WATER FROM THE GROUND SURFACE MEASURED AT THE WELL DURING PUMPING)	LIFT TO PLACE OF USE (THE LIFT FROM THE GROUND SURFACE AT THE WELL TO THE PLACE OF USE)	TOTAL PUMP OUTPUT (IN CFS)
60	45	140	10	1.60

Reminder: For pump calculations use the reference information at the end of this document.

4. Provide pump calculations:

See Attached

5. Additional notes or comments related to the system:

Pivot nozzle package was designed for a total output of 1000 gpm. However, the well pump is designed for the rate specified on the original certificate. The pivot operates at a lower pressure than designed and discharges water at the authorized duty rate.

B. Groundwater Source Information (Well and Sump)

1. Is the appropriation from a dug well (sump)?

NO

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Change #2

Change in Place of Use

Did the transfer order authorize a change in the place of use?

YES

If "NO", this Section can be deleted.

1. Claim Summary – Authorized Use:

If Irrigation or Nursery Use:

THE # OF ACRES ALLOWED	THE # OF ACRES DEVELOPED
18.30	18.30

If the new use(s) was not irrigation or nursery:

NEW USE(S)	WAS THE NEW PLACE OF USE DEVELOPED TO THE FULL EXTENT AUTHORIZED UNDER THE ORDER? (INCLUDE THE LOCATION OF THE DEVELOPED PLACE USE ON THE CLAIM MAP)
	NA
	NA

2. Variations:

Was the use developed differently from what was authorized by the transfer final order? **NO**

If yes, describe below.

(e.g. "The order authorized a change in place of use for 40 acres. The water user only developed 38 acres.")

No Variations for final order

Change #3

Change in Character of Use

Did the transfer order authorize a change in character of use?

NO

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SECTION 4 CONDITIONS

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All conditions contained in the transfer final order, or any extension final order shall be addressed. Reports that do not address all performance related conditions will be returned.

1. Time Limits:

Describe how the water user has complied with each of the development timelines established in the transfer final order and any extensions of time issued for the transfer:

	DATE FROM TRANSFER	DATE THE AUTHORIZED CHANGES WERE COMPLETED *THIS DATE MUST FALL BETWEEN THE "ISSUANCE DATE" AND THE "COMPLETENESS DATE"
ISSUANCE DATE	4/16/2025	
COMPLETENESS DATE FROM ORDER (C)	10/1/2026	Well #8 system has been in place since 2009. Flow Meter installed in 2013 Well #9 Drilled in 2005. Flowmeter installed on Well #9 in June of 2025

* MUST BE WITHIN PERIOD BETWEEN TRANSFER FINAL ORDER, OR ANY EXTENSION FINAL ORDER ISSUANCE AND THE DATE TO COMPLETE THE CHANGE

2. Is there an extension final order(s)? NO

3. Measurement Conditions:

a. Does the transfer final order, or any extension final order require the installation of a meter or other approved measuring device? YES

Reminder: If a meter or approved measuring device was required, the COBU map must indicate the location of the device in relation to the point of appropriation.

b. Has a meter been installed? YES

c. Meter Information

POA NAME OR #	MANUFACTURER	SERIAL #	CONDITION (WORKING OR NOT)	CURRENT METER READING	DATE INSTALLED
Well #8	Aqua Master 900	50162	Yes, not running	0591579	2013
Well #9	Aqua Master 900	50612	Yes, not running	0076828	June 2025

4. Recording and reporting conditions

a. Is the water user required to report the water use to the Department? NO

5. Other conditions required by the transfer final order or extension final order:

a. Were there special well construction standards? NO

b. Was submittal of a ground water monitoring plan required? NO

c. Other conditions? NO

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If "YES" to any of the above, identify the condition and describe the water user's actions to comply with the condition(s):

No additional conditions

SECTION 5 ATTACHMENTS

Provide a list of any additional documents you are attaching to this report:

ATTACHMENT NAME	DESCRIPTION
COBU Map	Claim map
Photos	Site photos
Well Logs	Well logs for Wells 8 and 9
Summary of Nozzle Flows – Well #8 Pivot	Nozzle flows for Well #8 pivot
Pump Capacity Calculation Sheet – Well #8	Theoretical pump capacities for Well #8
Summary of Nozzle Flows – Well #9 Pivot	Nozzle flows for Well #9 pivot
Pump Capacity Calculation Sheet – Well #9	Theoretical pump capacities for Well #9

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SECTION 6

CLAIM OF BENEFICIAL USE MAP

The Claim of Beneficial Use Map must be submitted with this claim. Claims submitted without the Claim of Beneficial Use map will be returned. The map shall be submitted on poly film at a scale of 1" = 1320 feet, 1" = 400 feet, or the original full-size scale of the county assessor map for the location.

The changes that were authorized under the transfer final order must be mapped based on the developed locations; new or additional points of appropriation and place of use.

In cases where the order involved additional points of appropriation, the additional points should be mapped based on their developed locations. The original points of appropriation should be mapped based on the original right of record at the time the transfer final order was issued.

In cases where the order involved changing the place of use for a portion of a water right, the portion of the place of use being changed should be mapped based on the developed location. If the transfer also included portions of the place of use that were not being modified, but were receiving a new or additional point of appropriation, the place of use for those lands should be mapped based on the original right of record at the time the transfer final order was issued.

Provide a general description of the survey method used to prepare the map. Examples of possible methods include, but are not limited to, a traverse survey, GPS, or the use of aerial photos. If the basis of the survey is an aerial photo, provide the source, date, series and the aerial photo identification number.

Survey performed with Real Time GPS – Corner tie is a County Surveyor brass cap located at the northeast corner of Section 3, T25S 18E, W.M.

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Map Checklist

Please be sure that the map you submit includes ALL the items listed below.

(Reminder: Incomplete maps and/or claims may be returned.)

- ☒ Map on polyester film
- ☒ Appropriate scale (1" = 400 feet, 1" = 1320 feet, or the original full-size scale of the county assessor map)
- ☒ Township, Range, Section, Donation Land Claims, and Government Lots
- ☒ If irrigation, number of acres irrigated within each projected Donation Land Claims, Government Lots, Quarter-Quarters
- ☒ Locations of fish screens and/or fish by-pass devices in relationship to point of diversion
- ☒ Locations of meters and/or measuring devices in relationship to point of diversion or appropriation
- ☒ Conveyance structures illustrated (pumps, reservoirs, pipelines, ditches, etc.)
- ☒ Point(s) of diversion or appropriation (illustrated and coordinates)
- ☒ Tax lot boundaries and numbers
- ☒ Quarter-Quarters illustrated and named (NE NE, NW NE, etc.)
- ☒ Source illustrated if surface water
- ☒ Disclaimer ("This map is not intended to provide legal dimensions or locations of property ownership lines")
- ☒ Application and permit number or transfer number
- ☒ North arrow
- ☒ Legend
- ☒ CWRE stamp and signature

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Phone: (541) 947-4407 Email: info@shn-engr.com Web: shn-engr.com
17681 US-395, Lakeview, OR 97630

Reference: 225106
02/03/2026

Subject: Daniel Roth Water Right Transfer T-13973



Well #8 and Pivot Center



Well #8 Flowmeter

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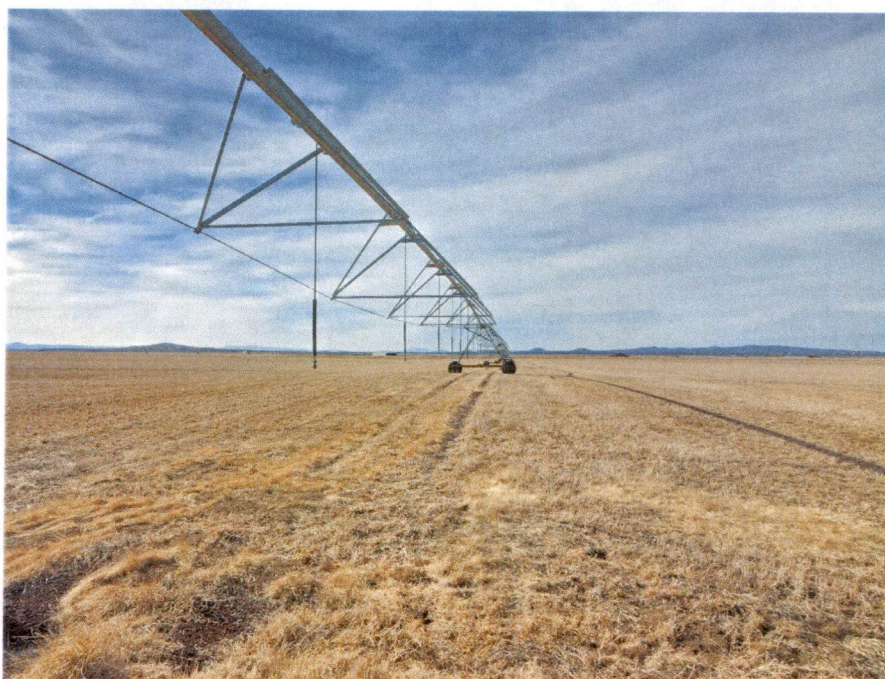
Daniel Roth Water Right Transfer T-13973

02/03/2026

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Well #8 Flowmeter Panel



Well #8 Pivot

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Daniel Roth Water Right Transfer T-13973

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Well #8 Typical Nozzle



Well #8 Place of Use

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Daniel Roth Water Right Transfer T-13973

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Well #9 and Pivot Center



Well #9 Flowmeter

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Daniel Roth Water Right Transfer T-13973

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Well #9 Flowmeter Panel



Well #9 Pivot

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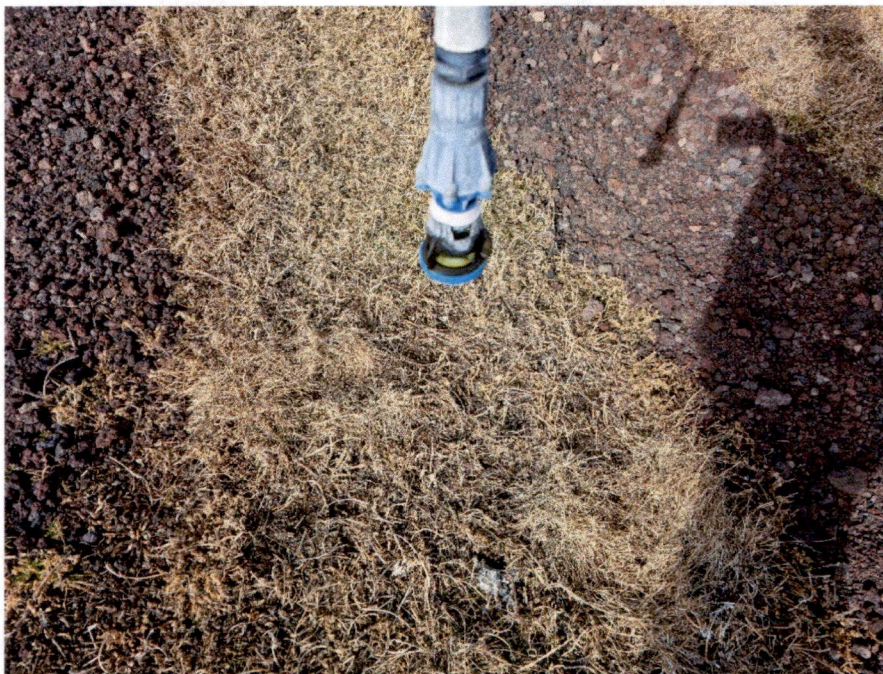
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Well #9 Typical Nozzle



Well #9 Place of Use

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The original and first copy of this report
are to be filed with the

WATER RESOURCES DEPARTMENT
SALEM, OREGON 97310

within 30 days from the date
of completion.

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RECEIVED

AUG 18 1980

WATER WELL REPORT

STATE OF OREGON

(Please type or print)

WATER RESOURCES DEPT write above this line

State Well No. 235/18-3

State Permit No.

(1) OWNER:

SALEM, OREGON

Name Gilbert Crowson
Address Box 402 Christmas Valley, OR.

(2) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary ☒ Driven ☐
☐ Jetted ☐
☐ Bored ☐

(4) PROPOSED USE (check):

Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☒ Test Well ☐ Other ☐

(5) CASING INSTALLED:

14" Diam. from 14 ft. to 20 ft. Gage 250
" Diam. from _____ ft. to _____ ft. Gage _____
" Diam. from _____ ft. to _____ ft. Gage _____

(6) PERFORATIONS:

Perforated? ☐ Yes ☒ No

Type of perforator used _____

Size of perforations	in. by	in.
_____ perforations from _____ ft. to _____ ft.		
_____ perforations from _____ ft. to _____ ft.		
_____ perforations from _____ ft. to _____ ft.		

(7) SCREENS:

Well screen installed? ☐ Yes ☒ No

Manufacturer's Name _____

Type _____ Model No. _____
Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.
Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.

(8) WELL TESTS:

Drawdown is amount water level is
lowered below static level

a pump test made? ☐ Yes ☒ No If yes, by whom?

yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

" _____ gal./min. with _____ ft. drawdown after _____ hrs.

" _____ gal./min. with _____ ft. drawdown after _____ hrs.

Artesian flow _____ g.p.m.

Temperature of water _____ Depth artesian flow encountered _____ ft.

(9) CONSTRUCTION:

Well seal—Material used Cement

Well sealed from land surface to 20 ft.

Diameter of well bore to bottom of seal 18 in.

Diameter of well bore below seal 8 in.

Number of sacks of cement used in well seal 6 sacks

How was cement grout placed? Cement was

mixed up. 1" pipe run down

along side & pressure grouted

in.

Was a drive shoe used? ☐ Yes ☒ No Plugs _____ Size: location _____ ft.

Did any strata contain unusable water? ☐ Yes ☒ No

Type of water? _____ depth of strata _____

Method of sealing strata off _____

Was well gravel packed? ☐ Yes ☒ No Size of gravel: _____

Gravel placed from _____ ft. to _____ ft.

(10) LOCATION OF WELL:

County Lake Driller's well number _____
1/4 1/4 Section 3 T. 25 R. 18 E W.M.

Bearing and distance from section or subdivision corner _____

(11) WATER LEVEL: Completed well.

Depth at which water was first found 71 ft.

Static level 57 ft. below land surface. Date 5/7/80

Artesian pressure _____ lbs. per square inch. Date _____

(12) WELL LOG:

Diameter of well below casing 8"

Depth drilled 370 ft. Depth of completed well 370 ft.

Formation: Describe color, texture, grain size and structure of materials;
and show thickness and nature of each stratum and aquifer penetrated,
with at least one entry for each change of formation. Report each change in
position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Brown Clay	0	4	
Black lava rock	4	67	
Red Cinders	67	74	
Brown Cinders	74	81	
Black lava Rock	81	121	
Pumice Water Bearing	121	124	
Black lava Rock	124	136	
Brown Cinders	136	141	
Red lava Rock	141	153	
Black lava Rock	153	185	
Red lava Rock	185	197	
Black lava Rock	197	246	
Black sand	246	248	
Black lava Rock	248	320	
Black sand	320	350	
Grey Stone	350	370	

Work started 4/13 19 80 Completed 5/7 19 80

Date well drilling machine moved off of well 5/7 19 80

Drilling Machine Operator's Certification:

This well was constructed under my direct supervision.
Materials used and information reported above are true to my
best knowledge and belief.

[Signed] Mel Search Date 5/10 19 80
(Drilling Machine Operator)

Drilling Machine Operator's License No. 699

Water Well Contractor's Certification:

This well was drilled under my jurisdiction and this report is
true to the best of my knowledge and belief.

Name Mel Search Well Drilling
(Person, firm or corporation) (Type or print)

Address 432 Lebanon, OR.

[Signed] Mel Search
(Water Well Contractor)

Contractor's License No. 567 Date 5/10 19 80

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

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

RECEIVED

JUN 26 1995

(START CARD) #

255/18E/3CC
71206

(1) OWNER:

Name Gladys Roth Well Number 12
Address PO Box 358
City Christmas Valley State OR Zip 97641

(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 590 ft.
Explosives used ☐ Yes ☒ No Type _____ Amount _____

HOLE			SEAL		
Diameter	From	To	Material	From	To
<u>8 1/2</u>	<u>370</u>	<u>590</u>			

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:							
Liner:							

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:

From		To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner

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

☐ Pump ☐ Bailer ☐ Air ☐ Flowing
Yield gal/min 1500 Drawdown 590 Drill stem at 1 hr.

Temperature of water 55 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 LAKE Latitude _____ Longitude _____
Township 25S N or S Range 18E E or W. WM.
Section 3 SW 1/4 SW 1/4
Tax Lot _____ Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) _____

(10) STATIC WATER LEVEL:

63 ft. below land surface. Date 5-28-95
Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:

Depth at which water was first found _____

From	To	Estimated Flow Rate	SWL

(12) WELL LOG:

Material	From	To	SWL
Black Basalt	370	445	
GRAY BASALT	445	467	
BLACK BASALT BROKEN	467	471	
GRAY CLAY STONE	471	480	
BROWN CLAY STONE	480	505	
BROWN & BLACK BASALT	505	527	
BROWN GREEN CLAY STONE	527	545	
BLACK BASALT BROKEN	545	590	WB

Date started 5-12-95 Completed 5-28-95

(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 _____ 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 Melvin Search WWC Number 567 Date 6-10-95

ORIGINAL & FIRST COPY-WATER RESOURCES DEPARTMENT SECOND COPY-CONSTRUCTOR THIRD COPY-CUSTOMER

MAY 26 2026

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

OWRD LAKE 51691

WELL I.D. # L

76807

START CARD #

171718

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

(1) LAND OWNER

Name Roth Farms Well Number _____Address PO Box 358City CHRISTIANBURG State OR Zip 97611

(2) TYPE OF WORK

☒ New Well☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment ☐ Conversion

(3) DRILL METHOD

☒ Rotary Air ☐ Rotary Mud ☐ Cable ☐ Auger ☐ Cable Mud☐ Other _____

(4) PROPOSED USE

☐ Domestic ☐ Community ☐ Industrial ☒ Irrigation☐ Thermal ☐ Injection ☐ Livestock ☐ Other _____

(5) BORE HOLE CONSTRUCTION

Special Construction: ☐ Yes ☒ NoDepth of Completed Well 220 ft.Explosives used: ☐ Yes ☒ No Type _____ Amount _____

BORE HOLE

Diameter	From	To	Material	From	To	Sacks or Pounds
23 1/2"	0	19	Bent	0	19	50 sack
16 1/2"	19	220				

SEAL

How was seal placed: Method ☐ A ☐ B ☐ C ☐ D ☐ E☒ Other 3/8" High Plug

Backfill placed from _____ ft. to _____ ft. Material _____

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

(6) CASING/LINER

Casing:	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
	18"	1	19	250	☒	☐	☒	☐
Liner:					☐	☐	☐	☐

Drive Shoe used ☐ Inside ☐ Outside ☐ None

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS

☐ Perforations

Method _____

☐ Screens

Type _____

Material _____

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

Yield gal/min

2000 gal

Drawdown

Drill stem at

220

Time

1 hrTemperature of water 53° 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 (legal description)

County LakeTax Lot 300 Lot _____Township 25 N or S Range 18 E or W WMSection 3 SE 1/4 SE 1/4

Lat _____ " or _____ (degrees or decimal)

Long _____ " or _____ (degrees or decimal)

Street Address of Well (or nearest address) NO ADDRESSassigned

(10) STATIC WATER LEVEL

11' ft. below land surface.Date 5-15-05

_____ ft. below land surface.

Date same

Artesian pressure _____ lb. per square inch Date _____

(11) WATER BEARING ZONES

Depth at which water was first found _____

From	To	Estimated Flow Rate	SWL
<u>105</u>	<u>220</u>	<u>2000 gal</u>	

(12) WELL LOG

Ground Elevation _____

Material	From	To	SWL
<u>Top Soil</u>	<u>0</u>	<u>2</u>	
<u>Gravel Basalt</u>	<u>2</u>	<u>40</u>	
<u>Red Lava Rock</u>	<u>40</u>	<u>60</u>	
<u>Gravel Lava Rock</u>	<u>60</u>	<u>80</u>	
<u>Black Lava Rock</u>	<u>80</u>	<u>105</u>	
<u>Gravel Lava Rock</u>	<u>105</u>	<u>145</u>	
<u>Black Lava Rock</u>	<u>145</u>	<u>189</u>	
<u>Gravel Lava Rock</u>	<u>189</u>	<u>200</u>	
<u>Black Lava Rock</u>	<u>200</u>	<u>220</u>	

SEP 27 2005

WATER RESOURCES DEPT
SALEM, OREGON

RECEIVED

DEC 30 2005

WATER RESOURCES DEPT
SALEM, OREGONDate Started 4-27-05 Completed 5-15-05

(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.

Received

WWC Number _____

Date

APR 27 2026

Signed _____

OWRD

(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.

WWC Number 165-1

Date

6-15-05

Signed _____

SUMMARY OF NOZZLE FLOWS

Well #8 Pivot Flows

Roth T-13973 Well #8 Pivot

#	NOZZLE SIZE	DIAMETER	PSI	FLOW (FT^3/S)	TOTAL (FT^3/SEC)	FLOW (GPM)	TOTAL FLOW (GPM)
0	10	0.07813	19.5	0.002	0.000	0.80	0.00
0	11	0.08594	19.5	0.002	0.000	0.97	0.00
0	12	0.09375	19.5	0.003	0.000	1.16	0.00
0	13	0.10156	19.5	0.003	0.000	1.36	0.00
0	14	0.10938	19.5	0.004	0.000	1.58	0.00
0	15	0.11719	19.5	0.004	0.000	1.81	0.00
6	16	0.12500	19.5	0.005	0.028	2.06	12.35
2	17	0.13281	19.5	0.005	0.010	2.32	4.65
1	18	0.14063	19.5	0.006	0.006	2.61	2.61
1	19	0.14844	19.5	0.006	0.006	2.90	2.90
0	20	0.15625	19.5	0.007	0.000	3.22	0.00
1	21	0.16406	19.5	0.008	0.008	3.55	3.55
3	22	0.17188	19.5	0.009	0.026	3.89	11.68
0	23	0.17969	19.5	0.009	0.000	4.25	0.00
3	24	0.18750	19.5	0.010	0.031	4.63	13.90
0	25	0.19531	19.5	0.011	0.000	5.03	0.00
2	26	0.20313	19.5	0.012	0.024	5.44	10.87
2	27	0.21094	19.5	0.013	0.026	5.86	11.73
0	28	0.21875	19.5	0.014	0.000	6.31	0.00
3	29	0.22656	19.5	0.015	0.045	6.76	20.29
9	30	0.23438	19.5	0.016	0.145	7.24	65.15
9	31	0.24219	19.5	0.017	0.155	7.73	69.56
10	32	0.25000	19.5	0.018	0.184	8.24	82.36
9	33	0.25781	19.5	0.020	0.176	8.76	78.83
7	34	0.26563	19.5	0.021	0.145	9.30	65.08
10	35	0.27344	19.5	0.022	0.220	9.85	98.53
8	36	0.28125	19.5	0.023	0.186	10.42	83.39
13	37	0.28906	19.5	0.025	0.319	11.01	143.14
11	38	0.29688	19.5	0.026	0.285	11.61	127.75
5	39	0.30469	19.5	0.027	0.136	12.23	61.17
3	40	0.31250	19.5	0.029	0.086	12.87	38.61
1	41	0.32031	19.5	0.030	0.030	13.52	13.52
0	42	0.32813	19.5	0.032	0.000	14.19	0.00
0	43	0.33594	19.5	0.033	0.000	14.87	0.00
0	44	0.34375	19.5	0.035	0.000	15.57	0.00
0	45	0.35156	19.5	0.036	0.000	16.29	0.00
1	46	0.35938	19.5	0.038	0.038	17.02	17.02
120	TOTAL FLOW NOZZLES				2.314		1038.62

#	END GUN (IN)	DIAMETER	PSI	FLOW (FT^3/S)	FLOW (GAL/MIN)		TOTAL FLOW
0	0	0	60	0.000	0.000	0.00	0.000
0	0	0	40	0.000	0.000	0.00	0.000
0	0	0	32.5	0.000	0.000	0.00	0.000
0				FT^3/S			GAL/MIN

FLOW TOTAL

2.31

1038.62



Phone: (541) 947-4407 Email: info@shn-engr.com Web: shn-engr.com
17681 US-395, Lakeview, OR 97630

Received
MAY 26 2026
OWRD

Received
APR 27 2026
OWRD

Pump Capacity Calculation Sheet - Well #8

using Department designed formula:

$(hp)(\text{efficiency}) / (\text{lift} + \text{psi head}) = \text{capacity in cfs}$

Efficiency:

Centrifugal = 6.61

Turbine = 7.04

Data Entry (fill in underlined blanks)

HP = 75
Efficiency = 7.04
Lift = 120
PSI = 43

Results Calculated

$(hp)(\text{efficiency}) = 528$
Head based on psi = 109.2
Total dynamic head = 229.2
(head + lift)

Pump Capacity = 2.30 feet per second

Received

MAY 26 2026

OWRD

Received

APR 27 2026

OWRD

SUMMARY OF NOZZLE FLOWS

Well #9 Pivot Flows

Roth T-13973 Well #9 Pivot

#	NOZZLE SIZE	DIAMETER	PSI	FLOW (FT^3/S)	TOTAL (FT^3/SEC)	FLOW (GPM)	TOTAL FLOW (GPM)
3	16	0.12500	20	0.005	0.014	2.09	6.26
0	17	0.13281	20	0.005	0.000	2.35	0.00
2	18	0.14063	20	0.006	0.012	2.64	5.28
0	19	0.14844	20	0.007	0.000	2.94	0.00
1	20	0.15625	20	0.007	0.007	3.26	3.26
1	21	0.16406	20	0.008	0.008	3.59	3.59
2	22	0.17188	20	0.009	0.018	3.94	7.88
0	23	0.17969	20	0.010	0.000	4.31	0.00
1	24	0.18750	20	0.010	0.010	4.69	4.69
1	25	0.19531	20	0.011	0.011	5.09	5.09
2	26	0.20313	20	0.012	0.025	5.51	11.01
7	27	0.21094	20	0.013	0.093	5.94	41.57
0	28	0.21875	20	0.014	0.000	6.39	0.00
5	29	0.22656	20	0.015	0.076	6.85	34.25
5	30	0.23438	20	0.016	0.082	7.33	36.65
7	31	0.24219	20	0.017	0.122	7.83	54.79
10	32	0.25000	20	0.019	0.186	8.34	83.41
4	33	0.25781	20	0.020	0.079	8.87	35.48
6	34	0.26563	20	0.021	0.126	9.42	56.50
8	35	0.27344	20	0.022	0.178	9.98	79.82
7	36	0.28125	20	0.024	0.165	10.56	73.89
10	37	0.28906	20	0.025	0.248	11.15	111.51
3	38	0.29688	20	0.026	0.079	11.76	35.29
10	39	0.30469	20	0.028	0.276	12.39	123.89
7	40	0.31250	20	0.029	0.203	13.03	91.23
3	41	0.32031	20	0.031	0.092	13.69	41.08
0	42	0.32813	20	0.032	0.000	14.37	0.00
1	43	0.33594	20	0.034	0.034	15.06	15.06
1	44	0.34375	20	0.035	0.035	15.77	15.77
1	45	0.35156	20	0.037	0.037	16.49	16.49
0	46	0.35938	20	0.038	0.000	17.24	0.00
0	47	0.36719	20	0.040	0.000	17.99	0.00
0	48	0.37500	20	0.042	0.000	18.77	0.00
0	49	0.38281	20	0.044	0.000	19.56	0.00
0	50	0.39063	20	0.045	0.000	20.36	0.00
0	51	0.39844	20	0.047	0.000	21.19	0.00
0	52	0.40625	20	0.049	0.000	22.02	0.00

108 TOTAL FLOW NOZZLES

2.214

993.75

#	END GUN (IN)	DIAMETER	PSI	FLOW (FT^3/S)	FLOW (GAL/MIN)	TOTAL FLOW
0	0	0	60	0.000	0.00	0.000
0	0	0	40	0.000	0.00	0.000
0	0	0	32.5	0.000	0.00	0.000

FT^3/S

GAL/MIN

FLOW TOTAL

2.21

993.75



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OWRD

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OWRD

Received
APR 27 2026
OWRD

Pump Capacity Calculation Sheet - Well #9

using Department designed formula:

$$(\text{hp})(\text{efficiency}) / (\text{lift} + \text{psi head}) = \text{capacity in cfs}$$

Efficiency:

Centrifugal = 6.61

Turbine = 7.04

Data Entry (fill in underlined blanks)

HP = 60
Efficiency = 7.04
Lift = 150
PSI = 45

Results Calculated

(hp)(efficiency) = 422.4
Head based on psi = 114.3
Total dynamic head = 264.3
(head + lift)

Pump Capacity = 1.60 feet per second

Received
MAY 26 2026
OWRD

Received
APR 27 2026
OWRD