

**CLAIM OF
BENEFICIAL USE
for Groundwater Permits
claiming more than 0.1 cfs**



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

**A fee of \$230 must accompany this form for permits
with priority dates of July 9, 1987, or later.**

A separate form shall be completed for each permit.

In cases where a permit has been amended through the permit amendment process, a separate claim for the permit amendment is not required. Incorporate the permit amendment into the claim for the permit.

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 8" 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 503-979-9103.

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>

**SECTION 1
GENERAL INFORMATION**

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1. File Information:

APPLICATION # G-16492	PERMIT # (IF APPLICABLE) G-17321	PERMIT AMENDMENT # (IF APPLICABLE) T-11871
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2. Property Owner (current owner information):

APPLICANT/BUSINESS NAME Steven L. Ashley et al c/o Bob Krein		PHONE NO.	ADDITIONAL CONTACT NO.
ADDRESS PO Box 158			
CITY Maupin	STATE OR	ZIP 97037	E-MAIL

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

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

PERMIT HOLDER OF RECORD A and K Ranches			
ADDRESS PO Box 158			
CITY Maupin	STATE OR	ZIP 97037	

ADDITIONAL PERMIT HOLDER OF RECORD Northwest Farm Credit Service FLCA			
ADDRESS PO Box 607			
CITY Redmond	STATE OR	ZIP 97756	

4. Date of Site Inspection:

4/18/2024

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

NAME	DATE	ASSOCIATION WITH THE PROJECT
Bob Krein	4/18/2024	General Partner

6. County:

Wasco

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

OWNER OF RECORD Steven L. Ashley et all c/o Bob Krein			
ADDRESS PO Box 158			
CITY Maupin	STATE OR	ZIP 97037	

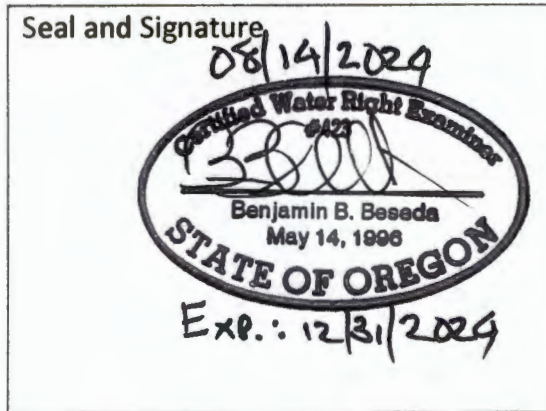
Add additional tables for owners of record as needed

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**SECTION 2
SIGNATURES**

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 BEN BESEDA		PHONE NO. 541-296-9177	ADDITIONAL CONTACT NO.
ADDRESS 3775 CRATES WAY			
CITY THE DALLES	STATE OR	ZIP 97058	E-MAIL besedab@aks-eng.com

Permit Holder of Record Signature or Acknowledgement

Each permit 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
	Josh Padgett	AgWest FC Credit Analyst	8/12/24
	Robert A Krin	Partner AKK Dalles	8-12-24

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02/14/2025

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02/14/2025

SECTION 3

CLAIM DESCRIPTION

1. 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)
Main Well	WASC 51103	43358
New Well	WASC 52152	114528

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

2. Point of appropriation source, if indicated on permit:

POA NAME OR NUMBER	SOURCE BASIN LOCATED WITHIN	TRIBUTARY
Main Well	Dead Dog Canyon	Bakeoven Creek, Tributary to Deschutes River
New Well	Dead Dog Canyon	Bakeoven Creek, Tributary to Deschutes River

3. Developed use(s), period of use, and rate for each use:

POA NAME OR NUMBER	USES	IF IRRIGATION, LIST CROP TYPE	SEASON OR MONTHS WHEN WATER WAS USED	ACTUAL RATE OR VOLUME USED (CFS, GPM, OR AF)
Main Well	Irrigation	Irrigation is Lavender (about 25 acres) and the rest for bird habitat being but not limited to many different trees and shrubs, willows, snow berry, ragusa rose, pine, tall wheat grass, great basing wildrye, alfalfa, sainfoin, and small burnett.	March 1 to October 31	0.09 cfs
Main Well	Pond Maintenance	Maintain 6 Reservoirs	Year Round	0.09 cfs
New Well	Irrigation	Irrigation is Lavender (about 25 acres) and the rest for bird habitat being but not limited to many different trees and shrubs, willows, snow berry, ragusa rose, pine, tall wheat grass, great basing wildrye, alfalfa, sainfoin, and small burnett.	March 1 to October 31	0.21 cfs
New Well	Pond Maintenance	Maintain 6 Reservoirs	Year Round	0.11 cfs
Total Quantity of Water Used				0.22 cfs

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4. Provide a general narrative description of the distribution works. This description must trace the water system from each point of appropriation to the place of use:

Water is pumped from the 2 well into a common mainline. From the mainline the water is delivered using plastic pipeline with drippers or sprinklers at point of irrigation. Water is also delivered through this same system for year around Pond Maintenance. This system can put water directly into the 6 reservoirs and also if one fills the overflow out the spillway will flow down Dead Dog Canyon to the next reservoir.

Reminder: The map associated with this claim must identify the location of the point(s) of diversion, Donation Land Claims (DLC), Government Lots (GLot), and Quarter-Quarters (QQ).

5. Variations:

Was the use developed differently from what was authorized by the permit, YES NO permit amendment final order, or extension final order? If yes, describe below.

(e.g. "The permit allowed three points of appropriation. The water user only developed one of the points." or "The permit allowed 40.0 acres of irrigation. The water user only developed 10.0 acres.")

The full number of acres was not irrigated. The total amount of irrigated land has been reduced from 125.7 acres to 98.9 acres.

The shape of the land irrigated has changed. When application was made it was not certain how the irrigation system could be laid out so extra acres were included to make sure enough land would be found under the final claim.

6. Claim Summary:

POA NAME OR #	MAXIMUM RATE AUTHORIZED	CALCULATED THEORETICAL RATE BASED ON SYSTEM	AMOUNT OF WATER MEASURED	USE	# OF ACRES ALLOWED	# OF ACRES DEVELOPED
Main Well	0.22 cfs	0.09 cfs*		Irrigation	125.7	98.9
Main Well	0.11 cfs	0.09 cfs*		Pond Maintenance		
New Well	0.22 cfs	0.21 cfs*		Irrigation	125.7	98.9
New Well	0.11 cfs	0.11 cfs*		Pond Maintenance		

*The Maximum Rate should be as permitted, 0.22 cfs (99 gpm), being no more than 0.22 cfs (99 gpm) for irrigation and 0.11 cfs (49 gpm) for Pond Maintenance, but further limited to maximum of 0.09 cfs (40 gpm) from Main Well and a maximum of 0.21 cfs (94 gpm) from New Well

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**SECTION 4
SYSTEM DESCRIPTION**

Are there multiple POAs?

YES NO

If "YES" you will need to copy and complete a separate Section 4 for each POA.

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

Main Well (WASC 51103)

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A. Place of Use

1. Is the right for municipal use?

YES NO

If "YES" the table below may be deleted.

TWP	RNG	MER	SEC	QQ	GLOT	DLC	USE	IF IRRIGATION, # PRIMARY ACRES	IF IRRIGATION, # SUPPLEMENTAL ACRES
5S	15E	W	1	SW of NW			Irrigation	2.7	
			1	NE of SW			Irrigation	0.9	
			1	NW of SW			Irrigation	21.5	
			1	SW of SW			Irrigation & Pond Maintenance	15.1	
			1	SE of SW			Irrigation	19.5	
			1	SW of SE			Irrigation	4.4	
			2	NE of SE			Irrigation	0.1	
			2	SE of SE			Irrigation	3.6	
			11	NE of NE			Irrigation & Pond Maintenance	2.8	
			11	NW of NE			Irrigation	0.8	
			11	SW of NE			Irrigation & Pond Maintenance	1.1	
			11	SW of NW			Irrigation & Pond Maintenance	2.2	
			11	SE of NW			Irrigation	3.0	
			11	NW of SW			Irrigation	0.9	
			12	NW of NE			Irrigation	0.1	
			12	SW of NE			Irrigation	4.3	
			12	NE of NW			Irrigation & Pond Maintenance	5.1	
			12	NW of NW			Irrigation & Pond Maintenance	8.5	
			12	SW of NW			Irrigation	0.2	
			12	SE of NW			Irrigation	2.1	
Total Acres Irrigated								98.9	

Reminder: The map associated with this claim must identify Donation Land Claims (DLC), Government Lots (GLOT), Quarter Quarters (QQ), and if for irrigation, the number of acres irrigated within each projected DLC, GLOT, and QQ.

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B. Groundwater Source Information (Well)

1. Is the appropriation from a well? YES NO

2. Describe the access port (type and location) or other means to measure the water level in the well:

Turtle Back Cap, remove for e-tape measurement and also has an airline

3. 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
See Well	Report	WASC	51103			

4. In addition to the information requested in item "3" above, provide any other information which may help the Department locate any well logs associated with this appropriation.

C. Groundwater Source Information (Sump)

1. Is the appropriation from a dug well (sump)? YES NO

D. Diversion and Delivery System Information

Provide the following information concerning the diversion and delivery system. Information provided must describe the equipment used to transport and apply the water from the point of appropriation to the place of use.

1. Is a pump used? YES NO

2. Pump Information:

MANUFACTURER	MODEL	SERIAL NUMBER	TYPE (CENTRIFUGAL, TURBINE OR SUBMERSIBLE)	INTAKE SIZE	DISCHARGE SIZE
			Submersible		2"

3. Motor Information:

MANUFACTURER	HORSEPOWER
	5 HP

4. Theoretical Pump Capacity:

HORSEPOWER	OPERATING PSI	LIFT FROM SOURCE TO PUMP *IF A WELL, THE WATER LEVEL DURING PUMPING	LIFT FROM PUMP TO PLACE OF USE	TOTAL PUMP OUTPUT (IN CFS)
5	30	265' (SWL) + 15' (Drawdown)	20' (average for Lavender fields)	0.09 cfs (40 gpm)

5. Provide pump calculations:

Pump Capacity Calculation Sheet
using Department designed formula:

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

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Efficiency:

Centrifugal = 6.61

Turbine = 7.04

Data Entry (fill in underlined blanks)

HP = 5
Efficiency = 7.04
Lift = 300
PSI = 30

**Results
Calculated**

(hp)(efficiency) = 35.2
Head based on psi
= 76.2
Total dynamic head
= 376.2
(head + lift)

Pump Capacity = 0.09 cubic feet per second

6. Measured Pump Capacity (using meter if meter was present and system was operating):

INITIAL METER READING	ENDING METER READING	DURATION OF TIME OBSERVED	TOTAL PUMP OUTPUT (IN CFS)

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

7. Is the distribution system piped? YES NO

8. Mainline Information:

MAINLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
4"	1,000'	PVC	Buried
3"	14,500'	PVC	Buried

9. Lateral or Handline Information:

LATERAL OR HANDLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
¾" in Lavender Fields	72700'	Polypipe	Above
1" in habitat fields	85300'	Polypipe	Above

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10. Sprinkler Information:

SIZE	OPERATING PSI	SPRINKLER OUTPUT (GPM)	TOTAL NUMBER OF SPRINKLERS	MAXIMUM NUMBER USED	TOTAL SPRINKLER OUTPUT (CFS)
# SuperNet 15.3 gallons/hour	30	0.255	1550	#	#

Reminder: For sprinkler output determination use the reference information at the end of this document.

11. Drip Emitter Information:

SIZE	OPERATING PSI	EMITTER OUTPUT (GPM)	TOTAL NUMBER OF EMITTERS	MAXIMUM NUMBER USED	TOTAL EMITTER OUTPUT (CFS)
1 gallon per hour on 3' spacing	30	0.01667 gpm	24223 emitters in Lavender Fields	8024 emitters	0.30 cfs (134 gpm)
#1 gph	30	0.01667 gpm	15,510 emitters in habitat	#	#

12. Drip Tape Information:

DRIPPER SPACING IN INCHES	GPM PER 100 FEET	TOTAL LENGTH OF TAPE	MAXIMUM LENGTH OF TAPE USED	TOTAL TAPE OUTPUT (CFS)	ADDITIONAL INFORMATION
NA					

13. Pivot Information:

MANUFACTURER	MAXIMUM WETTED RADIUS	OPERATING PSI	TOTAL PIVOT OUTPUT (GPM)	TOTAL PIVOT OUTPUT (CFS)
NA				

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E. Storage

1. Does the distribution system include in-system storage (e.g. storage tank, bulge in system / reservoir)? YES NO

F. Gravity Flow Pipe

(THE DEPARTMENT TYPICALLY USES THE HAZEN-WILLIAM’S FORMULA FOR A GRAVITY FLOW PIPE SYSTEM)

1. Does the system involve a gravity flow pipe? YES NO

G. Gravity Flow Canal or Ditch

(THE DEPARTMENT TYPICALLY USES MANNING’S FORMULA FOR CANALS AND DITCHES)

1. Is a gravity flow canal or ditch used to convey the water as part of the distribution system? YES NO

H. Additional notes or comments related to the system:

These sprinklers (#NetaFim 15.3 gph) and emitters (#emitters 1 gph) are placed randomly on the 1” line to have the best location for irrigating the land. It was impossible to do a real inventory of these sprinklers and emitters. What was done was to estimate an average spacing of 5 feet divided into the length of 1” Polypipe to come up with a maximum possible number of Sprinklers/emitters. This calculated out to be 17,060 sprinklers and emitters.
It was estimated that there is 10 times as many emitters as sprinklers. This ratio calculates to having 15510 emitters and 1,550 Netafim sprinklers.
Since all of this was an estimated guess, no volume of water use was calculated for this. Use under Claim of Beneficial Use is based on the use of water in the Lavender fields.

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

New Well (WASC 52152)

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A. Place of Use

1. Is the right for municipal use?

YES NO

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If "YES" the table below may be deleted.

TWP	RNG	MER	SEC	QQ	GLOT	DLC	USE	IF IRRIGATION, # PRIMARY ACRES	IF IRRIGATION, # SUPPLEMENTAL ACRES
5S	15E	W	1	SW of NW			Irrigation	2.7	
5S	15E	W	1	SW of NW			Irrigation	2.7	
			1	NE of SW			Irrigation	0.9	
			1	NW of SW			Irrigation	21.5	
			1	SW of SW			Irrigation & Pond Maintenance	15.1	
			1	SE of SW			Irrigation	19.5	
			1	SW of SE			Irrigation	4.4	
			2	NE of SE			Irrigation	0.1	
			2	SE of SE			Irrigation	3.6	
			11	NE of NE			Irrigation & Pond Maintenance	2.8	
			11	NW of NE			Irrigation	0.8	
			11	SW of NE			Irrigation & Pond Maintenance	1.1	
			11	SW of NW			Irrigation & Pond Maintenance	2.2	
			11	SE of NW			Irrigation	3.0	
			11	NW of SW			Irrigation	0.9	
			12	NW of NE			Irrigation	0.1	
			12	SW of NE			Irrigation	4.3	
			12	NE of NW			Irrigation & Pond Maintenance	5.1	
			12	NW of NW			Irrigation & Pond Maintenance	8.5	
			12	SW of NW			Irrigation	0.2	
			12	SE of NW			Irrigation	2.1	
Total Acres Irrigated								98.9	

Reminder: The map associated with this claim must identify Donation Land Claims (DLC), Government Lots (GLOT), Quarter Quarters (QQ), and if for irrigation, the number of acres irrigated within each projected DLC, GLOT, and QQ.

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B. Groundwater Source Information (Well)

1. Is the appropriation from a well?

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YES NO

2. Describe the access port (type and location) or other means to measure the water level in the well:

3/4" access port and has airline

3. 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
See Well	Report	WASC	52152			

4. In addition to the information requested in item "3" above, provide any other information which may help the Department locate any well logs associated with this appropriation.

C. Groundwater Source Information (Sump)

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

YES NO

D. Diversion and Delivery System Information

Provide the following information concerning the diversion and delivery system. Information provided must describe the equipment used to transport and apply the water from the point of appropriation to the place of use.

1. Is a pump used?

YES NO

2. Pump Information:

MANUFACTURER	MODEL	SERIAL NUMBER	TYPE (CENTRIFUGAL, TURBINE OR SUBMERSIBLE)	INTAKE SIZE	DISCHARGE SIZE
			Submersible		3"

3. Motor Information:

MANUFACTURER	HORSEPOWER
	10 HP

4. Theoretical Pump Capacity:

HORSEPOWER	OPERATING PSI	LIFT FROM SOURCE TO PUMP *IF A WELL, THE WATER LEVEL DURING PUMPING	LIFT FROM PUMP TO PLACE OF USE	TOTAL PUMP OUTPUT (IN CFS)
10	30	225' (SWL) + 15' (Drawdown)	20' (Average for Lavender fields)	0.21 cfs (94gpm)

5. Provide pump calculations:

Pump Capacity Calculation Sheet
 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)

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HP = 10
Efficiency = 7.04
Lift = 260
PSI = 30

**Results
Calculated**

(hp)(efficiency) = 70.4
Head based on psi
= 76.2
Total dynamic head
= 336.2
(head + lift)

Pump Capacity = 0.21 cubic feet per second

6. Measured Pump Capacity (using meter if meter was present and system was operating):

INITIAL METER READING	ENDING METER READING	DURATION OF TIME OBSERVED	TOTAL PUMP OUTPUT (IN CFS)

Observed flow meter at time of inspection and needle was bouncing from about 85 to 95 gpm.

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

7. Is the distribution system piped? YES NO

8. Mainline Information:

MAINLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
4"	1,000'	PVC	Buried
3"	14,500'	PVC	Buried

9. Lateral or Handline Information:

LATERAL OR HANDLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
¾" in Lavender Fields	72700'	Polypipe	Above
1" in habitat fields	85300'	Polypipe	Above

10. Sprinkler Information:

SIZE	OPERATING PSI	SPRINKLER OUTPUT (GPM)	TOTAL NUMBER OF SPRINKLERS	MAXIMUM NUMBER USED	TOTAL SPRINKLER OUTPUT (CFS)
# SuperNet 15.3 gallons/hour	30	0.255	1550	#	#

Reminder: For sprinkler output determination use the reference information at the end of this document.

11. Drip Emitter Information:

SIZE	OPERATING PSI	EMITTER OUTPUT (GPM)	TOTAL NUMBER OF EMITTERS	MAXIMUM NUMBER USED	TOTAL EMITTER OUTPUT (CFS)
1 gallon per hour on 3' spacing	30	0.01667 gpm	24223 emitters in Lavender Fields	8024 emitters	0.30 cfs (134 gpm)
#1 gph	30	0.01667 gpm	15,510 emitters in habitat	#	#

12. Drip Tape Information:

DRIPPER SPACING IN INCHES	GPM PER 100 FEET	TOTAL LENGTH OF TAPE	MAXIMUM LENGTH OF TAPE USED	TOTAL TAPE OUTPUT (CFS)	ADDITIONAL INFORMATION
NA					

13. Pivot Information:

MANUFACTURER	MAXIMUM WETTED RADIUS	OPERATING PSI	TOTAL PIVOT OUTPUT (GPM)	TOTAL PIVOT OUTPUT (CFS)
NA				

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E. Storage

1. Does the distribution system include in-system storage (e.g. storage tank, bulge in system / reservoir)?

YES NO

F. Gravity Flow Pipe

(THE DEPARTMENT TYPICALLY USES THE HAZEN-WILLIAM’S FORMULA FOR A GRAVITY FLOW PIPE SYSTEM)

1. Does the system involve a gravity flow pipe?

YES NO

G. Gravity Flow Canal or Ditch

(THE DEPARTMENT TYPICALLY USES MANNING’S FORMULA FOR CANALS AND DITCHES)

1. Is a gravity flow canal or ditch used to convey the water as part of the distribution system?

YES NO

H. Additional notes or comments related to the system:

These sprinklers (#NetaFim 15.3 gph) and emitters (#emitters 1 gph) are placed randomly on the 1” line to have the best location for irrigating the land. It was impossible to do a real inventory of these sprinklers and emitters. What was done was to estimate an average spacing of 5 feet divided into the length of 1” Polypipe to come up with a maximum possible number of Sprinklers/emitters. This calculated out to be 17,060 sprinklers and emitters.
It was estimated that there is 10 times as many emitters as sprinklers. This ratio calculates to having 15510 emitters and 1,550 Netafim sprinklers.
Since all of this was an estimated guess, no volume of water use was calculated for this. Use under Claim of Beneficial Use is based on the use of water in the Lavender fields.

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**SECTION 5
CONDITIONS**

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

1. Time Limits:

Permits and extension final orders contain any or all of the following dates: the date when the actual construction work was to begin, the date when the construction was to be completed, and the date when the complete application of water to the proposed use was to be completed. These dates may be referred to as ABC dates. Describe how the water user has complied with each of the development timelines established in the permit or permit extension order:

	DATE FROM PERMIT	DATE ACCOMPLISHED*	DESCRIPTION OF ACTIONS TAKEN BY WATER USER TO COMPLY WITH THE TIME LIMITS
ISSUANCE DATE	12/11/2014		
BEGIN CONSTRUCTION (A)		9/18/2002 6/18/2014	Main well is constructed. New well is constructed.
COMPLETE CONSTRUCTION (B)	10/1/2021	10/1/2011 Summer 2014	The Main Well and irrigation system are in place. It has been used for irrigation and pond maintenance. Use continues thru 2024. New Well added to the system
COMPLETE APPLICATION OF WATER (C)	10/1/2021	10/1/2011 Summer of 2014 Summer of 2015	Land under irrigation for Lavender and wildlife habitat plus pond maintenance from Main Well only. Use continues thru 2024. New Well added to system and used for irrigation and pond maintenance. A complete year of New Well use for pond maintenance.

* MUST BE WITHIN PERIOD BETWEEN PERMIT, OR ANY EXTENSION FINAL ORDER ISSUANCE AND THE DATE TO COMPLETELY APPLY WATER

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

If "NO", items a and b relating to this section may be deleted.

a. Did the Extension Final Order require the submittal of Progress Reports? YES NO

If "NO", item b relating to this section may be deleted.

b. Were the Progress Reports submitted? **Public Noticed on 10/1/2018** YES NO

If the reports have not been submitted, attach a copy of the reports if available.

3. Initial Water Level Measurements:

a. Was the water user required to submit an initial static water level measurement? YES NO

b. What month was the initial measurement to be taken in?

March

c. Was the measurement submitted to the Department? YES NO

d. If the initial measurement was not submitted, provide that measurement now, if available:

DATE OF MEASUREMENT	MEASUREMENT MADE BY	METHOD	MEASUREMENT

4. Annual Static Water Level Measurements:

a. Was the water user required to submit annual static water level measurements? YES NO

5. Pump Test:

a. Did the permit require the submittal of a pump test? YES NO

Ground water permits with priority dates on or after **December 20, 1988**, require the submittal of a pump test prior to issuance of a certificate. In some cases, the permit holder may qualify for a multiple well exemption or an unreasonable burden exemption.

For additional information regarding pump tests see:

<https://www.oregon.gov/OWRD/programs/GWWL/GW/Pages/PumpTestProgram.aspx>

If "NO", items b through e relating to this section may be deleted.

b. Has the pump test been previously submitted to the Department? YES NO

c. Is the pump test attached to this claim? YES NO

d. Has the pump test been approved by the Department? YES NO

e. Has a pump test exemption been approved by the Department? YES NO

**** Claims will not be reviewed until a pump test or exemption has been approved by the Department**

6. Measurement Conditions:

a. Does the permit, permit amendment, or any extension final order require the installation of a meter or approved measuring device? YES NO

If "NO", items b through f relating to this section may be deleted.

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 diversion or appropriation.

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YES NO

b. Has a meter been installed?

c. Meter Information

POD/POA NAME OR #	MANUFACTURER	SERIAL #	CONDITION (WORKING OR NOT)	CURRENT METER READING	DATE INSTALLED
Main Well	Sensus		Working	18267300 gallons	2012
New Well	McCrometer	15-05814-03	Working	69.8261 x .0001 Acre-feet	2014

If a meter has been installed, items d through f relating to this section may be deleted.

7. Recording and reporting conditions:

- a. Is the water user required to report the water use to the Department? YES NO
- b. Have the reports been submitted? YES NO

If the reports have not been submitted, attach a copy of the reports if available.

8. Other conditions required by permit, permit amendment final order, or extension final order:

- a. Were there special well construction standards? YES NO
- b. Was submittal of a ground water monitoring plan required? YES NO
- c. Was submittal of a water management and conservation plan required? YES NO
- d. Was a Well Identification Number (Well ID tag) assigned and attached to the well? YES NO

WELL ID #	DATE ATTACHED TO WELL
43358	9/2002 Main well
114528	6/2014 New Well

- e. Other conditions? YES NO

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

<ul style="list-style-type: none"> a. Well (New Well) to acquire water from same aquifer as Main Well. Well Report existed when OWRD approved Transfer. a. Well (Main well) shall produce groundwater from basalt groundwater reservoir. Main well Well Report existed when OWRD approved permit. b. Reference Water Level after use starts – Made on Main Well, then made on both Main Well and New Well so comparison can be made.

SECTION 6

ATTACHMENTS

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

ATTACHMENT NAME	DESCRIPTION
Well Reports	WASC 51103 and 52152
Claim Map	
Aerial Photos	

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.

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.

Use was mapped on Aerial photos from Google Earth. Location within the Public Land survey was established using County assessors maps to identify PLS lines like section lines.

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
- 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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RECEIVED

WASC 51103

Received
AUG 16 2024

STATE OF OREGON SEP 25 2002

WATER SUPPLY WELL REPORT

(as required by ORS 537.765) WATER RESOURCES DEPT
SALEM, OREGON

WELL I.D. # L 41111
START CARD # W146019

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

(1) LAND OWNER Well Number 21
Name BOB KELIN
Address PO BOX 158
City MANIPIN State OR Zip 97037

(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 365 ft.
Explosives used Yes No Type _____ Amount _____

HOLE			SEAL			
Diameter	From	To	Material	From	To	Sacks or pounds
10	0	18	Gravel	0	18	12
6	18	363				

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

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

Casing:	Diameter	From	To	Gauge	Material			
					Steel	Plastic	Welded	Threaded
	6	+2	18	1.250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>

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

Pump Bailer Air Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
25	100%	362.5	1 hr.

Temperature of water 57 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 WASCO Latitude _____ Longitude _____
Township 5 S N or S Range 15 E E or W. WM.
Section 2 SE 1/4 SE 1/4
Tax Lot 100 Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) BARLOW 20
MANIPIN OR 97037

(10) STATIC WATER LEVEL:
192 ft. below land surface. Date 9-18-02
Artesian pressure _____ lb. per square inch Date _____

(11) WATER BEARING ZONES:

Depth at which water was first found 340

From	To	Estimated Flow Rate	SWL
340	365	27 GPM	192

(12) WELL LOG:
Ground Elevation 1700

Material	From	To	SWL
SOIL	0	2.5	
BROWN + GREY ROCK	2.5	34	
GREY ROCK	34	58	
BROWN ROCK	58	69	
BROKEN GREY ROCK	69	80	
BROWN ROCK	80	101	
GREY ROCK	101	120	
GREY + BROWN ROCK CINDERS	120	138	
BROKEN SILTY ROCK	138	175	
GREY ROCK	175	243	
GREY + BROWN ROCK	243	281	
GREY ROCK	281	340	
BROWN + GREY BROKEN WITH TAN + YELLOW CLAY (WB)	340	365	192

Date started 9-10-02 Completed 9-18-02

(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.
WVC Number _____
Signed _____ 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.
WVC Number 1782
Signed Jo Jantz Date 9-24-02

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

WASC 52152
6/21/2014

WELL I.D. LABEL# I 114528
START CARD # 1022832
ORIGINAL LOG #

(1) LAND OWNER Owner Well I.D.
First Name BOB Last Name KREIN
Company
Address PO BOX 158
City MAUPIN State OR Zip 97037

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

(2a) PRE-ALTERATION
Dia + From To Gauge Std Plstc Wld Thrld
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 416.00 ft.
BORE HOLE SEAL
Dia From To Material From To Amt sacks/lbs
12 0 38 Bentonite Chips 0 38 22 S
8 38 416
How was seal placed: Method A B C D E
 Other POURED DRY
Backfill placed from _____ ft. to _____ ft. Material _____
Filter pack from _____ ft. to _____ ft. Material _____ Size _____
Explosives used: Yes Type _____ Amount _____

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

(6) CASING/LINER
Casing Liner Dia + From To Gauge Std Plstc Wld Thrld
 8 2 38 .250
 6 0 416 .188
Shoe Inside Outside Other Location of shoe(s) _____
Temp casing Yes Dia _____ From _____ To _____

(7) PERFORATIONS/SCREENS
Perforations Method AIR PERFERATOR
Screens Type _____ Material _____
Perf/ Casing/ Screen Scrn/slot Slot # of Tele/
Screen Liner Dia From To width length slots pipe size
Perf Liner 6 339 411 .125 2 1890

(8) WELL TESTS: Minimum testing time is 1 hour
 Pump Bailer Air Flowing Artesian
Yield gal/min Drawdown Drill stem/Pump depth Duration (hr)
100 _____ 400 1
Temperature 55 °F Lab analysis Yes By _____
Water quality concerns? Yes (describe below) TDS amount
From To Description Amount Units

(9) LOCATION OF WELL (legal description)
County WASC Twp 5.00 S N/S Range 15.00 E E/W WM
Sec 2 NE 1/4 of the SE 1/4 Tax Lot 100
Tax Map Number _____ Lot _____
Lat _____ " or 45.16063889 DMS or DD
Long _____ " or -120.89219444 DMS or DD
 Street address of well Nearest address
BAKE OVEN RD
MAUPIN, OR

(10) STATIC WATER LEVEL
Date SWL(psi) + SWL(ft)
Existing Well / Pre-Alteration _____
Completed Well 6/18/2014 _____ 230
Flowing Artesian? Dry Hole?

WATER BEARING ZONES Depth water was first found 330.00

SWL Date	From	To	Est Flow	SWL(psi)	+ SWL(ft)
6/17/2014	330	416	100		230

(11) WELL LOG Ground Elevation 2326.00

Material	From	To
CLAY	0	1
BASALT CLAY BROWN	1	30
BASALT GRAY	30	44
BASALT BROWN	44	96
BASALT GRAY	96	133
BASALT BROWN	133	152
BASALT BLACK GRAY	152	245
BASALT GRAY BROWN	245	266
BASALT GRAY	266	315
BASALT WEATHERED LAYER	315	350
BASALT GRAY FRACTURED VESICULAR LAYER	350	402
BASALT WEATHERED LAYERS	402	416

Date Started 6/16/2014 Complete 6/18/2014

(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 758 Date 6/21/2014
Signed THOMAS R PECK (E-filed)

(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 1720 Date 6/21/2014
Signed JACK ABBAS (E-filed)
Contact Info (optional)

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A and K Ranches

Fields east of office Photo

Legend



OWRD

Received
AUG 18 2024

Google Earth

Image © 2024 Airbus

A and K Ranches

powerline to Windmill well Photo

Legend

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OWMRD

#1

Bakeoven Rd

Bakeoven Rd

Bakeoven Rd

Bakeoven Rd

Google Earth

Image © 2024 Airbus

900 ft



A and K Ranches

wells Photo

Legend



Google Earth

Image © 2024 Airbus

400 ft



le

A and K Ranches

Fields north and west of office Photo

Legend



OMRD
Moosehead
Moosehead

Google Earth

Image © 2024 Airbus

33
36

1000 ft



A and K Ranches

Overall Photo

Legend



Google Earth

Image © 2024 Airbus

4000 ft



OWRD

Recovery
AUG 15

A and K Ranches

Wilson Road Photo Southend

Legend



Received
40616 2024
OWRFL

Google Earth

Image © 2024 Airbus

1000 ft



Handwritten blue mark



LETTER OF TRANSMITTAL

TO: Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301-1266

Date 8/14/2024	Work Order # 10695
Attention	
RE:	
Claim of Beneficial Use	
Application G-16492	

ENCLOSED ARE THE FOLLOWING:

QUANTITY	DESCRIPTION
1	(21 pgs) CLAIM OF BENEFICIAL USE FOR APPLICATION G-16492
2	WELL REPORTS
6	AERIAL PHOTOS
1	11" x 17" mylar – CLAIM OF BENEFICIAL USE MAP
1	\$230 FILING FEE (A & K Ranches Check #4728)

THESE ARE TRANSMITTED (as checked below)

- | | | |
|---------------------------------------|--|--|
| <input type="checkbox"/> For approval | <input type="checkbox"/> As requested | <input checked="" type="checkbox"/> Filing/Recording |
| <input type="checkbox"/> For your use | <input type="checkbox"/> Approved as noted | <input type="checkbox"/> For your review & comment |

CHARGES

<p>Remarks:</p> <div style="text-align: center; margin-top: 100px;"> <p>Received AUG 16 2024 OWRD</p> </div>	SF Blueline	
	SF Mylar	
	Xerox	
	Tube, Mailer, Etc.	
	P & H	
	TOTAL	

PICKED UP BY:
DELIVERED BY:
COPY TO: A & K Ranches w/ 2 copies of enclosures BY: Larry M. Toll, Water Rights Consultant

If enclosures are not as noted, please notify us at once.