# Checklist for Claims of Beneficial Use Received at CSG Counter

| | |
|---|---|
| Application #: G-12409 | WRD Reviewer: Judy |
| Transfer #: | |
| Date Received: 10/14/2021 | |
| CWRE Name: Corbey Boatwright | |
| Priority Date (s): 02/08/2021 | |

## Fees Required:

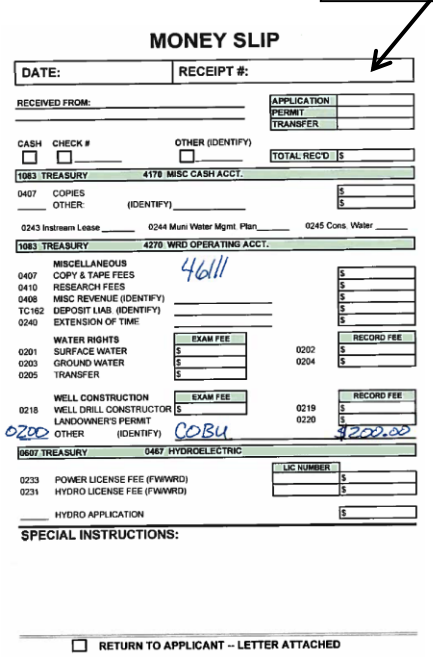
☑ YES NO ☐ A fee of $230 must accompany this form for permits with priority dates of July 9, 1987, or later.

☐ YES NO ☐ A fee of $230 must accompany this form for any transfers including a water right with a priority date of July 9, 1987, or later.
Example – A transfer involves 5 rights and one of the rights has a priority date of July 9, 1987, or later, the fee is required.

## Map Review:

☑ Map on polyester film (OAR 690-014-0170(1) & 310-0050(1)(b))
☑ Application & permit #; or transfer # (OAR 690-014-0100(1))
☑ Disclaimer (OAR 690-014-0170(5))
☑ North arrow (OAR 690-310-0050(2)(c))
☑ CWRE stamp and signature (OAR 690-014 & 310-0050)
☑ Appropriate scale (1" = 1320', 1" = 400', or the original full-size scale of the county assessor map) (014 & 310)
☑ Township, range, section, and tax lot numbers (OAR 690-310-0050(4) )

Fill in App or Transfer Number


MONEY SLIP

DATE: RECEIPT #:

RECEIVED FROM:

APPLICATION
PERMIT
TRANSFER

CASH CHECK # OTHER (IDENTIFY) TOTAL REC'D $

1083 TREASURY 4170 MISC CASH ACCT.

0407 COPIES $
OTHER: (IDENTIFY) $

0243 Instream Lease 0244 Muni Water Mgmt. Plan 0245 Cons. Water

1083 TREASURY 4270 WRD OPERATING ACCT.

MISCELLANEOUS 4611
0407 COPY & TAPE FEES $
0410 RESEARCH FEES $
0408 MISC REVENUE (IDENTIFY) $
TC162 DEPOSIT LIAB. (IDENTIFY) $
0240 EXTENSION OF TIME $

WATER RIGHTS EXAM FEE RECORD FEE
0201 SURFACE WATER $ 0202 $
0203 GROUND WATER $ 0204 $
0205 TRANSFER $

WELL CONSTRUCTION EXAM FEE RECORD FEE
0218 WELL DRILL CONSTRUCTOR $ 0219 $
LANDOWNER'S PERMIT 0220 $
0200 OTHER (IDENTIFY) COBU $200.00

0607 TREASURY 0467 HYDROELECTRIC

LIC NUMBER
0233 POWER LICENSE FEE (FW/WRD) $
0231 HYDRO LICENSE FEE (FW/WRD) $
HYDRO APPLICATION $

SPECIAL INSTRUCTIONS:

☐ RETURN TO APPLICANT -- LETTER ATTACHED

## Report Review:

☑ On form provided by the Department (OAR 690-014-0100(1))
☑ Application & permit #; or transfer # (OAR 690-014)
☑ Ownership information (OAR 690-014)
☑ Date of survey (OAR 690-014)
☑ Person interviewed (OAR 690-014)
☑ County (OAR 690-014)
☑ CWRE stamp and signature (OAR 690-014-0100)
☑ Signature(s) of all permittee of transfer holder (OAR 690-014-0100)

## Groundwater File Review:

☐ Pump Test not required (Priority Date prior to December 20, 1988) *If no, include pump test flyer w/acknowledgment letter
☐ Pump Test required (Priority Date on or after December 20, 1988)
☐ Pump Test submitted
☐ Pump Test not submitted

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

OREGON WATER RESOURCES DEPARTMENT
**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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**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

**1. File Information:**

| APPLICATION # | PERMIT # (IF APPLICABLE) | PERMIT AMENDMENT # (IF APPLICABLE) |
|---|---|---|
| G-12409 | G-12327 | T- |

**2. Property Owner (current owner information):**

| Applicant/Business Name | | Phone No. | Additional Contact No. |
|---|---|---|---|
| **4B Farm, Inc.** | | **503.845.2485** | |
| Address | | | |
| **15234 Butsch Lane NE** | | | |
| City | State | Zip | E-Mail |
| **Mt. Angel** | **Oregon** | **97362** | **4Bfarms@mtangel.net** |

| Applicant/Business Name | | Phone No. | Additional Contact No. |
|---|---|---|---|
| **Butsch Properties, LLC** | | **503.845.2485** | |
| Address | | | |
| **15234 Butsch Lane NE** | | | |
| City | State | Zip | E-Mail |
| **Mt. Angel** | **Oregon** | **97362** | **4Bfarms@mtangel.net** |

| Applicant/Business Name | | Phone No. | Additional Contact No. |
|---|---|---|---|
| **Stephen Nickodemus & Margaret Bowden** | | | |
| Address | | | |
| **15320 Marquam Road NE** | | | |
| City | State | Zip | E-Mail |
| **Mt. Angel** | **Oregon** | **97362** | |

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 | | |
|---|---|---|
| **James Butsch** | | |
| Address | | |
| **15234 Butsch Lane NE** | | |
| City | State | Zip |
| **Mt. Angel** | **Oregon** | **97362** |

**4. Date of Site Inspection:**

**September 30, 2021**

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

| Name | Date | Association with the Project |
|---|---|---|
| **Norm Wiesner** | **September 30, 2021** | **Farm Manager** |
| **Fred Beyer** | **September 30, 2021** | **Irrigation Manager** |

**6. County:**

**Marion**

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**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 | | |
|---|---|---|
| None | | |
| ADDRESS | | |
| CITY | STATE | ZIP |

Add additional tables for owners of record as needed

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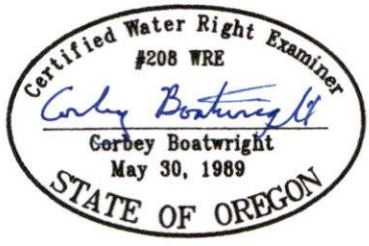
## SECTION 2

## 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.

Seal and Signature




**Expiration Date: December 31, 2021**

| CWRE NAME | | PHONE NO. | ADDITIONAL CONTACT NO. |
|---|---|---|---|
| Corbey Boatwright | | 503.363.9225 | |
| ADDRESS | | | |
| Boatwright Engineering, Inc. 2613 12th Street SE | | | |
| CITY | STATE | ZIP | E-MAIL |
| Salem | OREGON | 97302 | corbey@boatwrightengr.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 |
|---|---|---|---|
| James F Butsch | James Butsch | Permit Holder | 10/14/2021 |

## 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) |
|---|---|---|
| Well 1 | MARI 2979 & MARI 2980 & MARI 63913 | L-105650 |
| Well 2 | MARI 2977 | ----- |
| Well 3 | MARI 52269 | ----- |
| Well 4 | MARI 8192 | ----- |
| Well 5 | MARI 2193 | ----- |
| Well 7 | MARI 19262 | ----- |

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 |
|---|---|---|
| Well 1 | Bochsler Creek | Zollner Creek to Pudding River |
| Well 2 | Bochsler Creek | Zollner Creek to Pudding River |
| Well 3 | Bochsler Creek | Zollner Creek to Pudding River |
| Well 4 | Bochsler Creek | Zollner Creek to Pudding River |
| Well 5 | Bochsler Creek | Zollner Creek to Pudding River |
| Well 7 | Bochsler Creek | Zollner Creek to Pudding 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) | |
|---|---|---|---|---|---|
| Well 1 | IR & IS | Hops | Mar 1-Oct 31 | 50 gpm | 0.11 cfs |
| Well 2 | | Garlic | Mar 1-Oct 31 | 450 gpm | 1.00 cfs |
| Well 3 | | Wheat | Mar 1-Apr 30 | 80 gpm | 0.18 cfs |
| Well 4 | | Grass Seed | Mar 1-Oct 31 | 50 gpm | 0.11 cfs |
| Well 5 | | Beans | Mar 1-Oct 31 | 250 gpm | 0.557 cfs |
| Well 7 | | Corn | Mar 1-Oct 31 | 600 gpm | 1.337 cfs |
| **Total Quantity of Water Used** | | | | 1480 gpm | 3.30 cfs |

**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:

All six wells are connected into the same distribution pipeline network. Wells 1, 2, 3 and 4 discharge into the Bochsler Creek Reservoir as a bulge in the system. From there, water is pumped into the buried 8-inch portion of the system that runs east to Meridian Road and then north, all the way to the north end of the ownership at Butte Creek; approximately 8,350 feet. Both 8-inch and 6-inch buried mainlines tee off of this mainline, both east and west of Meridian Road to connect the other wells and to provide field irrigation. Some of the hop fields are irrigated with drip tape. The balance of the hop fields, row crops, and seed crops are irrigated with 5/32-inch impact sprinklers on 3-inch and 4-inch handlines.

Because the wells are all interconnected, and generally pump at the same time, the water application section for each well addresses the operation of the entire system as a whole.

**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, permit amendment final order, or extension final order? If yes, describe below. YES

(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 permit allowed for irrigation of 15 acres and supplemental irrigation of 332.8 acres. The water user developed 10.1 acres of irrigation and 332.4 acres of supplemental irrigation.

The permit authorized the use of 4.35 cfs from the combination of 6 wells, with no specific rate for the individual wells. The water user developed and, is claiming, 3.294 cfs.

**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 |
|---|---|---|---|---|---|---|
| Well 1 | 4.35 cfs | 0.11 cfs | None | IR | 15.0 | 10.1 |
| Well 2 | 4.35 cfs | 1.00 cfs | None | | | |
| Well 3 | 4.35 cfs | 0.18 cfs | None | | | |
| Well 4 | 4.35 cfs | 0.11 cfs | None | IS | 332.8 | 332.4 |
| Well 5 | 4.35 cfs | 0.557 cfs | None | | | |
| Well 7 | 4.35 cfs | 1.337 cfs | None | | | |
| | | TOTAL 3.294 cfs | | | | |

## SECTION 4

## SYSTEM DESCRIPTION

**Are there multiple POAs?** YES

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): Well 1



### A. Place of Use

**1. Is the right for municipal use?** 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 | 1W | WM | 36 | SW-NE | ----- | 63 | IS | 0 | 20.0 |
| 5S | 1W | WM | 36 | SE-NE | ----- | 63 | IS | 0 | 18.9 |
| 5S | 1W | WM | 36 | SW-NW | ----- | 63 | IS | 0 | 3.6 |
| 5S | 1W | WM | 36 | SE-NW | ----- | 63 | IS | 0 | 20.4 |
| 5S | 1W | WM | 36 | NE-SW | ----- | 63 | IS | 0 | 29.3 |
| 5S | 1W | WM | 36 | NW-SW | ----- | 63 | IS | 0 | 5.3 |
| 5S | 1W | WM | 36 | SW-SW | 4 | ----- | IS | 0 | 4.6 |
| 5S | 1W | WM | 36 | NE-SE | ----- | 63 | IS | 0 | 23.8 |
| 5S | 1W | WM | 36 | NW-SE | ----- | 63 | IS | 0 | 28.0 |
| 5S | 1E | WM | 31 | SW-NW | 2 | ----- | IS | 0 | 3.0 |
| 5S | 1E | WM | 31 | NW-SW | 3 | ----- | IS | 0 | 32.0 |
| 5S | 1E | WM | 31 | SW-SW | 4 | ----- | IS | 0 | 43.4 |
| 6S | 1E | WM | 6 | NE-NW | 3 | ----- | IR | 10.1 | 0 |
| 6S | 1E | WM | 6 | NE-NW | 3 | ----- | IS | 0 | 5.0 |
| 6S | 1E | WM | 6 | NW-NW | 4 | ----- | IS | 0 | 36.8 |
| 6S | 1E | WM | 6 | SW-NW | 5 | ----- | IS | 0 | 35.4 |
| 6S | 1E | WM | 6 | SE-NW | ----- | ----- | IS | 0 | 20.0 |
| **Total Acres Irrigated** | | | | | | | | 10.1 | 332.4 |

**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.**

### B. Groundwater Source Information (Well)

**1. Is the appropriation from a well?** YES

*If "NO", items 2 through 4 relating to this section may be deleted.*

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

3/4-inch access port on top of well on the south side

**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 Logs | MARI 63913 | MARI 2980 | MARI 2979 | | | |

**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.**

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## C. Groundwater Source Information (Sump)

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

*If "NO" items 2 through item 6 may be deleted.*

**2. Pump Information:**

| Manufacturer | Model | Serial Number | Type (centrifugal, turbine or submersible) | Intake size | Discharge size |
|---|---|---|---|---|---|
| Unknown | Unavailable | Unavailable | Submersible VSD | 4" | 2" & 4" |

**3. Motor Information:**

| Manufacturer | Horsepower |
|---|---|
| Unknown | 25 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) |
|---|---|---|---|---|
| 25 hp | 50 psi | 40 | 10 | 0.11 cfs (50 gpm) |

**5. Provide pump calculations:**

$Q = \frac{25\ (6.61)}{50 + 40} = 1.836$ cfs

Variable Speed Drive currently set for 50 gpm (0.11 cfs)

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**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) |
|---|---|---|---|
| 1460x100 gal | Same | 0 | Pump Not Operating - No Flow |

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

**7. Is the distribution system piped?** YES

**8. Mainline Information:**

| Mainline Size | Length | Type of Pipe | Buried or Above Ground |
|---|---|---|---|
| 8" | 15,830' | PVC | Buried |
| 6" | 20,460' | PVC | Buried |

**9. Lateral or Handline Information:**

| Lateral or Handline Size | Length | Type of Pipe | Buried or Above Ground |
|---|---|---|---|
| 3" | 40,440 | AL | Above Ground |
| 4" | 3,040 | Al | Above Ground |

**10. Sprinkler Information:**

| Size | Operating PSI | Sprinkler Output (GPM) | Total Number of Sprinklers | Maximum Number Used | Total Sprinkler Output (CFS) | Notes |
|---|---|---|---|---|---|---|
| 5/32 | ≈70 psi | 6 gpm | 1010 | 200 | 2.674 cfs (1200 gpm) | w/drip IR in use |
| 5/32 | ≈70 psi | 6 gpm | 1010 | 246 | 3.294 cfs (1478 gpm) | w/out drip IR in use |

**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) |
|---|---|---|---|---|---|
| None | | | | | |

**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 |
|---|---|---|---|---|---|
| 36 | 0.29 | 288,722 | 96,000 | 0.62 cfs (278 gpm) | ----- |

**13. Pivot Information:**

| Manufacturer | Maximum Wetted Radius | Operating PSI | Total Pivot Output (GPM) | Total Pivot Output (CFS) |
|---|---|---|---|---|
| None | | | | |

## E. Storage

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

*If "NO", item 2 and 3 relating to this section may be deleted.*

*If "YES"* is it a: Storage Tank YES
Bulge in System / Reservoir YES

*Complete appropriate table(s), unused table may be deleted.*

**2. Storage Tank:**

| Material (concrete, fiberglass, metal, etc.) | Capacity (in gallons) | Above Ground or Buried |
|---|---|---|
| Plastic (chemical mixing) | 6000 | Above |

**3. Bulge in System / Reservoir:**

| Reservoir Name or Number (correspond to map) | Approximate Dam Height | Approximate Capacity (in acre feet) |
|---|---|---|
| Bochsler Creek Reservoir (Cert 57233)* | 8.83' | 7.05 |

*See Attached Sheet for information about pumps.

## 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?** 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?** NO

## H. Additional notes or comments related to the system:

This well is also connected to the chemical tank with 250' of 2" PVC. At the time of my visit, the valve was shut to the irrigation system.

Well is located in a short 6'x 6' house with a hinged split roof.
4" Well with 4" cross on top of well head. Top leg is capped. 4" west leg has meter 5' west of well followed by a 4x6 reducer and 6" elbow to buried 6" pipeline. 4" west leg is also tapped 1' west of the well with at 3/4" line to an adjacent hose bib outside the well house. A 4" line extends to the east and reduces to 2" and extends to outside the pumphouse wall, where it is capped. The 4" line east is also tapped with a 2" line to the north. This pipeline has a 2" tee to the east that elbows to a second, parallel pipeline to the north which feeds the chemical mixing tank.

The irrigation calculations reflect the option of 3 blocks (1 block = 32,000 LF) of drip tape being used and the balance of the water available being applied with impact sprinklers.
OR
All of the water being applied with impact sprinklers.

## SECTION 4

## SYSTEM DESCRIPTION

**Are there multiple POAs?** YES

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): Well 2



### A. Place of Use

**1. Is the right for municipal use?** 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 | 1W | WM | 36 | SW-NE | ----- | 63 | IS | 0 | 20.0 |
| 5S | 1W | WM | 36 | SE-NE | ----- | 63 | IS | 0 | 18.9 |
| 5S | 1W | WM | 36 | SW-NW | ----- | 63 | IS | 0 | 3.6 |
| 5S | 1W | WM | 36 | SE-NW | ----- | 63 | IS | 0 | 20.4 |
| 5S | 1W | WM | 36 | NE-SW | ----- | 63 | IS | 0 | 29.3 |
| 5S | 1W | WM | 36 | NW-SW | ----- | 63 | IS | 0 | 5.3 |
| 5S | 1W | WM | 36 | SW-SW | 4 | ----- | IS | 0 | 4.6 |
| 5S | 1W | WM | 36 | NE-SE | ----- | 63 | IS | 0 | 23.8 |
| 5S | 1W | WM | 36 | NW-SE | ----- | 63 | IS | 0 | 28.0 |
| 5S | 1E | WM | 31 | SW-NW | 2 | ----- | IS | 0 | 3.0 |
| 5S | 1E | WM | 31 | NW-SW | 3 | ----- | IS | 0 | 32.0 |
| 5S | 1E | WM | 31 | SW-SW | 4 | ----- | IS | 0 | 43.4 |
| 6S | 1E | WM | 6 | NE-NW | 3 | ----- | IR | 10.1 | 0 |
| 6S | 1E | WM | 6 | NE-NW | 3 | ----- | IS | 0 | 5.0 |
| 6S | 1E | WM | 6 | NW-NW | 4 | ----- | IS | 0 | 36.8 |
| 6S | 1E | WM | 6 | SW-NW | 5 | ----- | IS | 0 | 35.4 |
| 6S | 1E | WM | 6 | SE-NW | ----- | ----- | IS | 0 | 20.0 |
| **Total Acres Irrigated** | | | | | | | | 10.1 | 332.4 |

**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.**

### B. Groundwater Source Information (Well)

**1. Is the appropriation from a well?** YES

*If "NO", items 2 through 4 relating to this section may be deleted.*

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

2" side port on west side

**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 Log | MARI 2977 | | | | | |

**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.**

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## C. Groundwater Source Information (Sump)

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

*If "NO" items 2 through item 6 may be deleted.*

**2. Pump Information:**

| Manufacturer | Model | Serial Number | Type (centrifugal, turbine or submersible) | Intake size | Discharge size |
|---|---|---|---|---|---|
| US Electrical Motors | A 404 JP | ??780 | Turbine | 6" | 8" |

**3. Motor Information:**

| Manufacturer | Horsepower |
|---|---|
| Holloshaft Pump Motor | 60 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) |
|---|---|---|---|---|
| 60 hp | 80 | 187' | 0 | 450 gpm (1.002cfs) |

**5. Provide pump calculations:**

$Q = \frac{60\ (7.04)}{218 + 203.2} = 1.00$ cfs or 450 gpm

**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) |
|---|---|---|---|
| 25360.6 x .001 AF | Same | 0 | Pump Not Operating -No Flow |

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

**7. Is the distribution system piped?** YES

*If "NO" items 8 through item 13 may be deleted.*

**8. Mainline Information:**

| Mainline Size | Length | Type of Pipe | Buried or Above Ground |
|---|---|---|---|
| 8" | 15,830' | PVC | Buried |
| 6" | 20,460' | PVC | Buried |

**9. Lateral or Handline Information:**

| Lateral or Handline Size | Length | Type of Pipe | Buried or Above Ground |
|---|---|---|---|
| 3" | 40,440 | AL | Above Ground |
| 4" | 3,040 | Al | Above Ground |

**10. Sprinkler Information:**

| Size | Operating PSI | Sprinkler Output (GPM) | Total Number of Sprinklers | Maximum Number Used | Total Sprinkler Output (CFS) | Notes |
|---|---|---|---|---|---|---|
| 5/32 | ≈70 psi | 6 gpm | 1010 | 200 | 2.674 cfs (1200 gpm) | w/drip IR in use |
| 5/32 | ≈70 psi | 6 gpm | 1010 | 246 | 3.294 cfs (1478 gpm) | w/out drip IR in use |

**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) |
|---|---|---|---|---|---|
| None | | | | | |

**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 |
|---|---|---|---|---|---|
| 36 | 0.29 | 288,722 | 96,000 | 0.62 cfs (278 gpm) | ----- |

**13. Pivot Information:**

| Manufacturer | Maximum Wetted Radius | Operating PSI | Total Pivot Output (GPM) | Total Pivot Output (CFS) |
|---|---|---|---|---|
| None | | | | |

## E. Storage

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

*If "NO", item 2 and 3 relating to this section may be deleted.*

*If "YES"* is it a: Storage Tank NO
Bulge in System / Reservoir YES

**3. Bulge in System / Reservoir:**

| Reservoir Name or Number (correspond to map) | Approximate Dam Height | Approximate Capacity (in acre feet) |
|---|---|---|
| Bochsler Creek Reservoir (Cert 57233) * | 8.83' | 7.05 |

*See Attached Sheet for information about pumps.

## 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?** 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?** NO

## H. Additional notes or comments related to the system:

Well is located under a 4-posted roof. 8" outlet is south with meter just underground 8' south of well. Water is pumped into Bochsler Creek Reservoir as a bulge in the system prior to being pumped from the pond into the delivery system.

## SECTION 4

## SYSTEM DESCRIPTION

**Are there multiple POAs?** YES

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):

Well 3



### A. Place of Use

**1. Is the right for municipal use?** 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 | 1W | WM | 36 | SW-NE | ----- | 63 | IS | 0 | 20.0 |
| 5S | 1W | WM | 36 | SE-NE | ----- | 63 | IS | 0 | 18.9 |
| 5S | 1W | WM | 36 | SW-NW | ----- | 63 | IS | 0 | 3.6 |
| 5S | 1W | WM | 36 | SE-NW | ----- | 63 | IS | 0 | 20.4 |
| 5S | 1W | WM | 36 | NE-SW | ----- | 63 | IS | 0 | 29.3 |
| 5S | 1W | WM | 36 | NW-SW | ----- | 63 | IS | 0 | 5.3 |
| 5S | 1W | WM | 36 | SW-SW | 4 | ----- | IS | 0 | 4.6 |
| 5S | 1W | WM | 36 | NE-SE | ----- | 63 | IS | 0 | 23.8 |
| 5S | 1W | WM | 36 | NW-SE | ----- | 63 | IS | 0 | 28.0 |
| 5S | 1E | WM | 31 | SW-NW | 2 | ----- | IS | 0 | 3.0 |
| 5S | 1E | WM | 31 | NW-SW | 3 | ----- | IS | 0 | 32.0 |
| 5S | 1E | WM | 31 | SW-SW | 4 | ----- | IS | 0 | 43.4 |
| 6S | 1E | WM | 6 | NE-NW | 3 | ----- | IR | 10.1 | 0 |
| 6S | 1E | WM | 6 | NE-NW | 3 | ----- | IS | 0 | 5.0 |
| 6S | 1E | WM | 6 | NW-NW | 4 | ----- | IS | 0 | 36.8 |
| 6S | 1E | WM | 6 | SW-NW | 5 | ----- | IS | 0 | 35.4 |
| 6S | 1E | WM | 6 | SE-NW | ----- | ----- | IS | 0 | 20.0 |
| **Total Acres Irrigated** | | | | | | | | 10.1 | 332.4 |

**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.**

### B. Groundwater Source Information (Well)

**1. Is the appropriation from a well?** YES

*If "NO", items 2 through 4 relating to this section may be deleted.*

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

¾-inch on top of well head

**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 Log | MARI 52269 | | | | | |

**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)?** 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

*If "NO" items 2 through item 6 may be deleted.*

**2. Pump Information:**

| Manufacturer | Model | Serial Number | Type (centrifugal, turbine or submersible) | Intake Size | Discharge Size |
|---|---|---|---|---|---|
| Unknown | ----- | ----- | Submersible | 4" | 4" |

**3. Motor Information:**

| Manufacturer | Horsepower |
|---|---|
| Unknown | 15hp |

**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) |
|---|---|---|---|---|
| 15 hp | 50 psi | 30 | 0 | 80 gpm (0.18 cfs) |

**5. Provide pump calculations:**

Q = 15 (7.04) = 0.178 cfs or 80 gpm
30+127+435.46*

*Valve partially closed to restrict flow.

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**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) |
|---|---|---|---|
| 1935 gal x 1000 | Same | 0 | Pump not operating – no flow |

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

**7. Is the distribution system piped?** YES

*If "NO" items 8 through item 13 may be deleted.*

**8. Mainline Information:**

| Mainline Size | Length | Type of Pipe | Buried or Above Ground |
|---|---|---|---|
| 4" | 40' | PVC | Buried & Under Water |
| 8" | 15,830' | PVC | Buried |
| 6" | 20,460' | PVC | Buried |

**9. Lateral or Handline Information:**

| Lateral or Handline Size | Length | Type of Pipe | Buried or Above Ground |
|---|---|---|---|
| 3" | 40,440 | AL | Above Ground |
| 4" | 3,040 | Al | Above Ground |

**10. Sprinkler Information:**

| Size | Operating PSI | Sprinkler Output (GPM) | Total Number of Sprinklers | Maximum Number Used | Total Sprinkler Output (CFS) | Notes |
|---|---|---|---|---|---|---|
| 5/32 | ≈70 psi | 6 gpm | 1010 | 200 | 2.674 cfs (1200 gpm) | w/drip IR in use |
| 5/32 | ≈70 psi | 6 gpm | 1010 | 246 | 3.294 cfs (1478 gpm) | w/out drip IR in use |

**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) |
|---|---|---|---|---|---|
| None | | | | | |

**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 |
|---|---|---|---|---|---|
| 36 | 0.29 | 288,722 | 96,000 | 0.62 cfs (278 gpm) | ----- |

**13. Pivot Information:**

| Manufacturer | Maximum Wetted Radius | Operating PSI | Total Pivot Output (GPM) | Total Pivot Output (CFS) |
|---|---|---|---|---|
| None | | | | |

## E. Storage

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

*If "NO", item 2 and 3 relating to this section may be deleted.*

*If "YES"* is it a: Storage Tank — NO
Bulge in System / Reservoir — YES

**3. Bulge in System / Reservoir:**

| Reservoir Name or Number (correspond to map) | Approximate Dam Height | Approximate Capacity (in acre feet) |
|---|---|---|
| Bochsler Creek Reservoir (Cert 57233) * | 8.83' | 7.05 |

*See Attached Sheet for information about pumps.

## 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?** 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?** NO

## H. Additional notes or comments related to the system:

Well is located west of field and east of pond. Water is pumped into Bochsler Creek Reservoir as a bulge in the system prior to being pumped from the pond into the delivery system. Meter is below ground at 4' west of well.

## SECTION 4

## SYSTEM DESCRIPTION

**Are there multiple POAs?** YES

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):

Well 4



### A. Place of Use

**1. Is the right for municipal use?** 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 | 1W | WM | 36 | SW-NE | ----- | 63 | IS | 0 | 20.0 |
| 5S | 1W | WM | 36 | SE-NE | ----- | 63 | IS | 0 | 18.9 |
| 5S | 1W | WM | 36 | SW-NW | ----- | 63 | IS | 0 | 3.6 |
| 5S | 1W | WM | 36 | SE-NW | ----- | 63 | IS | 0 | 20.4 |
| 5S | 1W | WM | 36 | NE-SW | ----- | 63 | IS | 0 | 29.3 |
| 5S | 1W | WM | 36 | NW-SW | ----- | 63 | IS | 0 | 5.3 |
| 5S | 1W | WM | 36 | SW-SW | 4 | ----- | IS | 0 | 4.6 |
| 5S | 1W | WM | 36 | NE-SE | ----- | 63 | IS | 0 | 23.8 |
| 5S | 1W | WM | 36 | NW-SE | ----- | 63 | IS | 0 | 28.0 |
| 5S | 1E | WM | 31 | SW-NW | 2 | ----- | IS | 0 | 3.0 |
| 5S | 1E | WM | 31 | NW-SW | 3 | ----- | IS | 0 | 32.0 |
| 5S | 1E | WM | 31 | SW-SW | 4 | ----- | IS | 0 | 43.4 |
| 6S | 1E | WM | 6 | NE-NW | 3 | ----- | IR | 10.1 | 0 |
| 6S | 1E | WM | 6 | NE-NW | 3 | ----- | IS | 0 | 5.0 |
| 6S | 1E | WM | 6 | NW-NW | 4 | ----- | IS | 0 | 36.8 |
| 6S | 1E | WM | 6 | SW-NW | 5 | ----- | IS | 0 | 35.4 |
| 6S | 1E | WM | 6 | SE-NW | ----- | ----- | IS | 0 | 20.0 |
| **Total Acres Irrigated** | | | | | | | | 10.1 | 332.4 |

**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.**

### B. Groundwater Source Information (Well)

**1. Is the appropriation from a well?** YES

*If "NO", items 2 through 4 relating to this section may be deleted.*

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

¾-inch vent port on top, south side

**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 Log | MARI 8192 | | | | | |

**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)?** 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

*If "NO" items 2 through item 6 may be deleted.*

**2. Pump Information:**

| Manufacturer | Model | Serial Number | Type (centrifugal, turbine or submersible) | Intake size | Discharge size |
|---|---|---|---|---|---|
| Unknown | ----- | ----- | Submersible | 4" | 4" |

**3. Motor Information:**

| Manufacturer | Horsepower |
|---|---|
| Unknown | 20 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) |
|---|---|---|---|---|
| 20 hp | 50 psi | 177 | 0 | 50 gpm (.1114 cfs) |

**5. Provide pump calculations:**

Q = 20 (7.04) = 0.1114 cfs or 50 gpm
177+127+959.9*

*Valve partially closed to restrict flow.

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**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) |
|---|---|---|---|
| 11063.7x0.0001 AF | Same | 0 | Pump Not Operating -No Flow |

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

**7. Is the distribution system piped?** YES

*If "NO" items 8 through item 13 may be deleted.*

**8. Mainline Information:**

| Mainline Size | Length | Type of Pipe | Buried or Above Ground |
|---|---|---|---|
| 5" | 960' | PVC | Buried to pond |
| 8" | 15,830' | PVC | Buried |
| 6" | 20,460' | PVC | Buried |

**9. Lateral or Handline Information:**

| Lateral or Handline Size | Length | Type of Pipe | Buried or Above Ground |
|---|---|---|---|
| 3" | 40,440 | AL | Above Ground |
| 4" | 3,040 | Al | Above Ground |

**10. Sprinkler Information:**

| Size | Operating PSI | Sprinkler Output (GPM) | Total Number of Sprinklers | Maximum Number Used | Total Sprinkler Output (CFS) | Notes |
|---|---|---|---|---|---|---|
| 5/32 | ≈70 psi | 6 gpm | 1010 | 200 | 2.674 cfs (1200 gpm) | w/drip IR in use |
| 5/32 | ≈70 psi | 6 gpm | 1010 | 246 | 3.294 cfs (1478 gpm) | w/out drip IR in use |

**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) |
|---|---|---|---|---|---|
| None | | | | | |

**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 |
|---|---|---|---|---|---|
| 36 | 0.29 | 288,722 | 96,000 | 0.62 cfs (278 gpm) | ----- |

**13. Pivot Information:**

| Manufacturer | Maximum Wetted Radius | Operating PSI | Total Pivot Output (GPM) | Total Pivot Output (CFS) |
|---|---|---|---|---|
| None | | | | |

## E. Storage

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

*If "NO", item 2 and 3 relating to this section may be deleted.*

*If "YES"* is it a: Storage Tank — NO
Bulge in System / Reservoir — YES

3. Bulge in System / Reservoir:

| Reservoir Name or Number (correspond to map) | Approximate Dam Height | Approximate Capacity (in acre feet) |
|---|---|---|
| Bochsler Creek Reservoir (Cert 57233) * | 8.83' | 7.05 |

*See Attached Sheet for information about pumps.

## 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? 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? NO

## H. Additional notes or comments related to the system:

A 5-inch pipeline goes north and turns east to go halfway across the dam for the Bochsler Creek Reservoir. The meter is located on the dam prior to the pipeline daylighting and spilling into the reservoir.
Water is pumped into Bochsler Creek Reservoir as a bulge in the system prior to being pumped from the pond into the delivery system.

## SECTION 4

## SYSTEM DESCRIPTION

**Are there multiple POAs?** YES

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):

Well 5



### A. Place of Use

**1. Is the right for municipal use?** 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 | 1W | WM | 36 | SW-NE | ----- | 63 | IS | 0 | 20.0 |
| 5S | 1W | WM | 36 | SE-NE | ----- | 63 | IS | 0 | 18.9 |
| 5S | 1W | WM | 36 | SW-NW | ----- | 63 | IS | 0 | 3.6 |
| 5S | 1W | WM | 36 | SE-NW | ----- | 63 | IS | 0 | 20.4 |
| 5S | 1W | WM | 36 | NE-SW | ----- | 63 | IS | 0 | 29.3 |
| 5S | 1W | WM | 36 | NW-SW | ----- | 63 | IS | 0 | 5.3 |
| 5S | 1W | WM | 36 | SW-SW | 4 | ----- | IS | 0 | 4.6 |
| 5S | 1W | WM | 36 | NE-SE | ----- | 63 | IS | 0 | 23.8 |
| 5S | 1W | WM | 36 | NW-SE | ----- | 63 | IS | 0 | 28.0 |
| 5S | 1E | WM | 31 | SW-NW | 2 | ----- | IS | 0 | 3.0 |
| 5S | 1E | WM | 31 | NW-SW | 3 | ----- | IS | 0 | 32.0 |
| 5S | 1E | WM | 31 | SW-SW | 4 | ----- | IS | 0 | 43.4 |
| 6S | 1E | WM | 6 | NE-NW | 3 | ----- | IR | 10.1 | 0 |
| 6S | 1E | WM | 6 | NE-NW | 3 | ----- | IS | 0 | 5.0 |
| 6S | 1E | WM | 6 | NW-NW | 4 | ----- | IS | 0 | 36.8 |
| 6S | 1E | WM | 6 | SW-NW | 5 | ----- | IS | 0 | 35.4 |
| 6S | 1E | WM | 6 | SE-NW | ----- | ----- | IS | 0 | 20.0 |
| **Total Acres Irrigated** | | | | | | | | 10.1 | 332.4 |

**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.**

### B. Groundwater Source Information (Well)

**1. Is the appropriation from a well?** YES

*If "NO", items 2 through 4 relating to this section may be deleted.*

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

1 ½-inch side vent port east side

**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 Log | MARI 2193 | | | | | |

**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)?** 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

*If "NO" items 2 through item 6 may be deleted.*

**2. Pump Information:**

| Manufacturer | Model | Serial Number | Type (centrifugal, turbine or submersible) | Intake Size | Discharge Size |
|---|---|---|---|---|---|
| Worthington | ----- | ----- | Turbine | 6" | 4" |

**3. Motor Information:**

| Manufacturer | Horsepower |
|---|---|
| US Electrical Motors | 75 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) |
|---|---|---|---|---|
| 75 | 75 psi | 150 | 0 | 2850 gpm (0.557 cfs) |

**5. Provide pump calculations:**

$Q = \frac{75\ (7.04)}{150+190.5+607.4^*} = 0.557$ cfs or 250 gpm

*Valve partially closed to restrict flow.

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**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) |
|---|---|---|---|
| 72765.5x0.0001AF | Same | 0 | Pump Not Operating -No Flow |

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

**7. Is the distribution system piped?** YES

*If "NO" items 8 through item 13 may be deleted.*

**8. Mainline Information:**

| Mainline Size | Length | Type of Pipe | Buried or Above Ground |
|---|---|---|---|
| 8" | 15,830' | PVC | Buried |
| 6" | 20,460' | PVC | Buried |

**9. Lateral or Handline Information:**

| Lateral or Handline Size | Length | Type of Pipe | Buried or Above Ground |
|---|---|---|---|
| 3" | 40,440 | AL | Above Ground |
| 4" | 3,040 | Al | Above Ground |

**10. Sprinkler Information:**

| Size | Operating PSI | Sprinkler Output (GPM) | Total Number of Sprinklers | Maximum Number Used | Total Sprinkler Output (CFS) | Notes |
|---|---|---|---|---|---|---|
| 5/32 | ≈70 psi | 6 gpm | 1010 | 200 | 2.674 cfs (1200 gpm) | w/drip IR in use |
| 5/32 | ≈70 psi | 6 gpm | 1010 | 246 | 3.294 cfs (1478 gpm) | w/out drip IR in use |

**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) |
|---|---|---|---|---|---|
| None | | | | | |

**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 |
|---|---|---|---|---|---|
| 36 | 0.29 | 288,722 | 96,000 | 0.62 cfs (278 gpm) | ----- |

**13. Pivot Information:**

| Manufacturer | Maximum Wetted Radius | Operating PSI | Total Pivot Output (GPM) | Total Pivot Output (CFS) |
|---|---|---|---|---|
| None | | | | |

## E. Storage

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

*If "NO", item 2 and 3 relating to this section may be deleted.*

*If "YES"* is it a: Storage Tank
Bulge in System / Reservoir

YES
NO

*Complete appropriate table(s), unused table may be deleted.*

**2. Storage Tank:**

| MATERIAL (CONCRETE, FIBERGLASS, METAL, ETC.) | CAPACITY (IN GALLONS) | ABOVE GROUND OR BURIED |
|---|---|---|
| Steel up-right | 4000 | Above |

## 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?** 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?** NO

## H. Additional notes or comments related to the system:

Well is located under a 10'x10' shed roof on cut power pole supports.
From turbine pump, 4-inch discharge goes south with 4-inch meter at 4 feet from pump. It upsizes to a 6-inch pipe with a tee to the south and west, then goes underground.

## SECTION 4

## SYSTEM DESCRIPTION

**Are there multiple POAs?** YES

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):

Well 7



### A. Place of Use

**1. Is the right for municipal use?** 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 | 1W | WM | 36 | SW-NE | ----- | 63 | IS | 0 | 20.0 |
| 5S | 1W | WM | 36 | SE-NE | ----- | 63 | IS | 0 | 18.9 |
| 5S | 1W | WM | 36 | SW-NW | ----- | 63 | IS | 0 | 3.6 |
| 5S | 1W | WM | 36 | SE-NW | ----- | 63 | IS | 0 | 20.4 |
| 5S | 1W | WM | 36 | NE-SW | ----- | 63 | IS | 0 | 29.3 |
| 5S | 1W | WM | 36 | NW-SW | ----- | 63 | IS | 0 | 5.3 |
| 5S | 1W | WM | 36 | SW-SW | 4 | ----- | IS | 0 | 4.6 |
| 5S | 1W | WM | 36 | NE-SE | ----- | 63 | IS | 0 | 23.8 |
| 5S | 1W | WM | 36 | NW-SE | ----- | 63 | IS | 0 | 28.0 |
| 5S | 1E | WM | 31 | SW-NW | 2 | ----- | IS | 0 | 3.0 |
| 5S | 1E | WM | 31 | NW-SW | 3 | ----- | IS | 0 | 32.0 |
| 5S | 1E | WM | 31 | SW-SW | 4 | ----- | IS | 0 | 43.4 |
| 6S | 1E | WM | 6 | NE-NW | 3 | ----- | IR | 10.1 | 0 |
| 6S | 1E | WM | 6 | NE-NW | 3 | ----- | IS | 0 | 5.0 |
| 6S | 1E | WM | 6 | NW-NW | 4 | ----- | IS | 0 | 36.8 |
| 6S | 1E | WM | 6 | SW-NW | 5 | ----- | IS | 0 | 35.4 |
| 6S | 1E | WM | 6 | SE-NW | ----- | ----- | IS | 0 | 20.0 |
| **Total Acres Irrigated** | | | | | | | | 10.1 | 332.4 |

**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.**

### B. Groundwater Source Information (Well)

**1. Is the appropriation from a well?** YES

*If "NO", items 2 through 4 relating to this section may be deleted.*

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

1" east side port, 2" north side port, 1" south side port, & 2" southwest side vent port

**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 Log | MARI 19262 | | | | | |

**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)?** 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

*If "NO" items 2 through item 6 may be deleted.*

**2. Pump Information:**

| Manufacturer | Model | Serial Number | Type (centrifugal, turbine or submersible) | Intake Size | Discharge Size |
|---|---|---|---|---|---|
| Ingersoll Dresser | 10M50 | 9504C50272 | Turbine | 6" | 8" |

**3. Motor Information:**

| Manufacturer | Horsepower |
|---|---|
| US Electrical Motors | 100 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) |
|---|---|---|---|---|
| 100 hp | 70 psi | 154 | 0 | 600 gpm (1.337 cfs) |

**5. Provide pump calculations:**

Q = 100 (7.04) / 154+177.8+194.83* = 1.337 cfs or 600 gpm

*Valve partially closed to restrict flow.

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**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) |
|---|---|---|---|
| 292315478.5 | Same | 0 | Pump Not Operating - No Flow |

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

**7. Is the distribution system piped?** YES

*If "NO" items 8 through item 13 may be deleted.*

**8. Mainline Information:**

| Mainline Size | Length | Type of Pipe | Buried or Above Ground |
|---|---|---|---|
| 8" | 15,830' | PVC | Buried |
| 6" | 20,460' | PVC | Buried |

**9. Lateral or Handline Information:**

| Lateral or Handline Size | Length | Type of Pipe | Buried or Above Ground |
|---|---|---|---|
| 3" | 40,440 | AL | Above Ground |
| 4" | 3,040 | Al | Above Ground |

**10. Sprinkler Information:**

| Size | Operating PSI | Sprinkler Output (GPM) | Total Number of Sprinklers | Maximum Number Used | Total Sprinkler Output (CFS) | Notes |
|---|---|---|---|---|---|---|
| 5/32 | ≈70 psi | 6 gpm | 1010 | 200 | 2.674 cfs (1200 gpm) | w/drip IR in use |
| 5/32 | ≈70 psi | 6 gpm | 1010 | 246 | 3.294 cfs (1478 gpm) | w/out drip IR in use |

**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) |
|---|---|---|---|---|---|
| None | | | | | |

**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 |
|---|---|---|---|---|---|
| 36 | 0.29 | 288,722 | 96,000 | 0.62 cfs (278 gpm) | ----- |

**13. Pivot Information:**

| Manufacturer | Maximum Wetted Radius | Operating PSI | Total Pivot Output (GPM) | Total Pivot Output (CFS) |
|---|---|---|---|---|
| None | | | | |

## E. Storage

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

## H. Additional notes or comments related to the system:

Well is uncovered. 8-inch discharge to north, through meter at 5' north of well, then turns underground.

## 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 | March 18, 1996 | | | | |
| Begin construction (A) | March 18, 1997 | March 18, 1996 | Well 1 | MARI 2979 | 1/14/61 |
| | | | Well 2 | MARI 2977 | 9/18/68 |
| | | | Well 3 | MARI 52269 | 2/12/76 |
| | | | Well 4 | MARI 8192 | 6/11/90 |
| | | | Well 5 | MARI 2193 | 10/12/81 |
| | | | Well 7 | MARI 19262 | 10/3/94 |
| Complete construction (B) | Oct 1, 1998 Pmt<br>Oct 1, 2013 TE | Oct 17, 2011 | Well No 1 Abandoned from 203' to 700' BLS to comply with well construction standards | | |
| Complete application of water (C) | Oct 1, 1998 Pmt<br>Oct 1, 2013 TE | Oct 1, 2012 | Authorized area irrigated during irrigation season following compliance with all permit conditions | | |

* Must be within period between permit, or any extension final order issuance and the date to completely apply water

**2. Is there an extension final order(s)?** YES

*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? NO

**3. Initial Water Level Measurements:**

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

**4. Annual Static Water Level Measurements:**

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

**5. Pump Test:**

a. Did the permit require the submittal of a pump test? **YES**

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 *for Wells 2,3,4,5,7***

**NO *for Well 1***

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

d. Has the pump test been approved by the Department? **YES *for Wells 2,3,4,5,7***

e. Has a pump test exemption been approved by the Department? **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**

*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.**

b. Has a meter been installed? **YES**

c. Meter Information

| POD/POA Name or # | Manufacturer | Serial # | Condition (working or not) | Current Meter Reading | Date Installed |
|---|---|---|---|---|---|
| Well 1 | Dwyer | 16-009502 | Working | 1460 x 100 gal | 2019* |
| Well 2 | McCrometer | 17-01739-08 | Working | 25360.6 x .001 AF | 2015* |
| Well 3 | Jennings, Inc. | 21687 | Not Working - Scheduled for replacement this winter | 1935 galx1000 | 2005 |
| Well 4 | McCrometer | 9662064 | Working | 11063.7 x .0001 AF | 2005 |
| Well 5 | McCrometer | 9670774 | Working | 72765.5 x .0001 AF | 1999 |
| Well 7 | Master Meter | 1518033 | Working | 29231.4 x 1000 gal | 1999 |

**** Wells 1 and 2 have always had dedicated electrical meters. Flow meters were installed in the years shown.***

**7. Recording and reporting conditions:**



a. Is the water user required to report the water use to the Department? **YES**

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

b. Have the reports been submitted? **YES**

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**

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

c. Was submittal of a water management and conservation plan required? **NO**

d. Was a Well Identification Number (Well ID tag) assigned and attached to the well? **YES to Well 1** **NO to all others**

| WELL ID # | DATE ATTACHED TO WELL |
|---|---|
| L-105650 | 10/17/2011 |

e. Other conditions? **NO**

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

*8.a. "No water may be appropriated under the terms of this permit until Well #1 is reconstructed according to current well construction standards . . ."* **In compliance. Well was reconstructed 10/17/2011, See Well Log MARI 63913.**

*8.a. "No water may be appropriated under the terms of this permit until . . . Wells #2 and #5 are proven to show no comingling."* **In compliance. Pump test performed by WRD staff Josh Hackett, Jen Woody & Karl Wozniak on 5/21/2009 determined source water in the wells is likely from the Columbia River Basalt formation only. See MEMO to file from Josh Hackett, dated 12/21/2010.**

*8.d.* **Well tag was attached to Well 1 by the Well Driller, Ivan Grossen, while making the abandonment of the lower portion of the well. There was no condition requiring well tags to be attached to any of the other wells.**

## SECTION 6

## ATTACHMENTS

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

| ATTACHMENT NAME | DESCRIPTION |
|---|---|
| Claim of Beneficial Use | Maps (3 pages) |
| Bochsler Creek Reservoir | Information on 2 Re-Diversion Pumps |

## SECTION 7

## 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.

**Marion County Survey Records: MCSR 38774, MCSR 38614, MCSR 36501, MCSR 35947, MCSR 32419, MCSR 32352, MCSR 31671. Google Earth photos dated Jul-9-2012 and Aug-12-2020.**

### 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

Application G-12409, Permit G-12327
James Butsch

# BOCHSLER CREEK RESERVOIR

Bulge in Delivery System

**2. Pump Information:**

| Pump Location | Manufacturer | Model | Serial Number | Type (centrifugal, turbine or submersible) | Intake size | Discharge size |
|---|---|---|---|---|---|---|
| EAST | BERKELEY PUMP CO | B4EPBL | TAG MISSING | CENTRIFUGAL | 6" | 4" to 4X6 REDUCER, 6" TEE INTO 8" MAINLINE |
| WEST | BERKELEY PUMP CO | B4EPBL | 7583780 | CENTRIFUGAL | 6" | 4" to 4X6 REDUCER, 6" TEE INTO 8" MAINLINE |

**3. Motor Information:**

| Pump Location | Manufacturer | Horsepower |
|---|---|---|
| EAST | US MOTOR | 50 hp |
| WEST | US MOTOR | 50 hp |

**4. Theoretical Pump Capacity:**

| Pump Location | 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) |
|---|---|---|---|---|---|
| EAST | 50 | 90 psi | 11.33' | 0 | 1.38 |
| WEST | 50 | 90 psi | 11.33' | 0 | 1.38 |

**5. Provide pump calculations:**

East Pump

$Q = \frac{50\ (6.61)}{11.33+228.64} = 1.38$ cfs or 619 gpm

West Pump

$Q = \frac{50\ (6.61)}{11.33+228.64} = 1.38$ cfs or 619 gpm

Total output of dual pumps = 2.76 cfs or 1239 gpm

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

| Pump Location | Initial Meter Reading | Ending Meter Reading | Duration of Time Observed | Total Pump Output (in cfs) |
|---|---|---|---|---|
| EAST | NO METER | ----- | ----- | ----- |
| WEST | NO METER | ----- | ----- | ----- |

G-12409

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WATER RESOURCES DEPARTMENT

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*Date Received (Date Stamp Here)*

# OWRD Over-the-Counter Submission Receipt

**Applicant Name(s) & Address:** 4B Farm, Inc, 15234 Butsch Lane NE, Mt Angel, OR 97362

**Transaction Type:** COBU

**Fees Received: $** 230.00

☐ **Cash** ☑ **Check:** **Check No.** 45699

**Name(s) on Check:** 4B Farms, Inc.

**Address on Check:** 15234 Butsch Lane NE, Mt Angel, OR 97362

Thank you for your submission. Oregon Water Resources Department (Department) staff will review your submittal as soon as possible.

If your submission is determined to be complete, you will receive a receipt for the fees paid and an acknowledgement letter stating your submittal is complete.

If determined to be incomplete, your submission and the accompanying fees will be returned with an explanation of deficiencies that must be addressed in order for the submittal to be accepted.

If you have any questions, please feel free to contact the Department's Customer Service staff at 503-986-0801 or 503-986-0810.

Sincerely,
OWRD Customer Service Staff

**Submission received by:** JF Skaug
*(Name of OWRD staff)*

---

**Instructions for OWRD staff:**

- Complete this Submission Receipt, and make two (2) copies. Place one copy with the check/cash; and place the other copy with the submission (*i.e., the application or other document*).
- Date-stamp all pages. (*NOTE: Do not stamp check.*)
- Give this original Submission Receipt to the applicant.
- Record Submission Receipt information on the "*RECEIVED OVER THE COUNTER*" log sheet.
- Place the Submission Receipt with check/cash in the small top drawer (*i.e., "Fiscal Pick Up Drawer"*). Place the Submission Receipt with submission (*application/other document*) in the large bottom drawer.

| | | |
|---|---|---|
| | **Boatwright Engineering, Inc.**<br>2613 12th Street SE Salem, Oregon 97301<br>civil engineers • land surveyors • water rights<br>503.363.9225 | **Letter of Transmittal**<br>Date 10-14-2021 \| Job No |

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

Attention: **Certificate Section**

Re: **File Application G-12409**
**Permit G-12327**

| WE ARE SENDING YOU: | X | Attached | | Under Separate cover via | | the following items: | | |
|---|---|---|---|---|---|---|---|---|
| | Shop drawings | | Prints | | Plans | | Samples | | Specifications |
| | Copy of letter | | Change order | X | Claim of Beneficial Use | | | |

| COPIES | DATE | NO. | DESCRIPTION |
|---|---|---|---|
| 1 | 10/8/21 | 3 | Claim of Beneficial Use Map (3 pages) |
| 1 | 10/14/21 | 33 | Claim of Beneficial Use Report |
| 1 | ----- | 1 | BOCHSLER CREEK RESERVOIR, Pump data |
| 1 | 10/12/21 | 1 | Email from Jeanne Boatwright to Codi Holmes & Gerry Clark, re CBU in progress, expected submittal timeline. |
| 1 | 10/14/21 | 1 | 4 B FARMS INC, check # 45699, in the amount of $230.00, COBU filing fee |
| | | | |
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THESE ARE TRANSMITTED as checked below:

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| X | For approval | | Approved as submitted | | Resubmit copies for approval |
| | For your use | | Approved as noted | | Submit ___ copies for distribution |
| | As requested | | Returned for corrections | | Return ___ corrected copies |
| | For review and comment | | | | |
| | FOR BIDS DUE | | | | |

REMARKS:

COPY TO: **James Butsch**

SIGNED:

Jeanne Boatwright

**Jeanne Boatwright**

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OCT 14 2021
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## Jeanne Boatwright

**From:** Jeanne Boatwright
**Sent:** Tuesday, October 12, 2021 1:48 PM
**To:** codi.n.holmes@oregon.gov
**Cc:** Gerry Clark (gerald.e.clark@state.or.us)
**Subject:** James Butsch

Hi Codi,

I called you a week or two ago and haven't heard back. Want to let you know that we are working on the CBU's for Permits G-12327 and S-51736 which are due today.
We are wrapping up the last calculations, need to get the maps on mylar, and then review them with Jim and get his signature on the reports. We expect to have them in by the end of the week.

Jeanne Boatwright
***Boatwright Engineering, Inc.***
*2613 12th Street SE*
*Salem, Oregon 97302*
*ph: 503-363-9225*

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