

# MONEY SLIP

DATE: <u>9-13-2021</u>	RECEIPT #: <u>136395</u>
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RECEIVED FROM: City of Banks

APPLICATION <u>G-8476</u>	
PERMIT	
TRANSFER	

CASH <input type="checkbox"/>	CHECK # <input checked="" type="checkbox"/> <u>24212</u>	OTHER (IDENTIFY) <input type="checkbox"/>
		TOTAL REC'D \$ <u>230.00</u>

1083 TREASURY	4170 MISC CASH ACCT.	
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0407 COPIES	\$
_____ OTHER: (IDENTIFY) _____	\$

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

1083 TREASURY	4270 WRD OPERATING ACCT.	
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MISCELLANEOUS <span style="float: right; font-size: 2em; color: blue;">46111</span>		
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	\$
<u>0200</u> OTHER (IDENTIFY) <u>COBU</u>				230.00

0607 TREASURY	0467 HYDROELECTRIC	
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0233 POWER LICENSE FEE (FW/WRD)		LIC NUMBER	
0231 HYDRO LICENSE FEE (FW/WRD)			\$
_____ HYDRO APPLICATION			\$

## SPECIAL INSTRUCTIONS:

RETURN TO APPLICANT -- LETTER ATTACHED

# MONEY SLIP

DATE: <u>9-3-2021</u>	RECEIPT #: <u>136339</u>
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RECEIVED FROM: <u>Dry Mountain Ranch LLC</u>	APPLICATION
	PERMIT
	TRANSFER <u>7-13814</u>

CASH <input type="checkbox"/>	CHECK # <input checked="" type="checkbox"/> <u>4039</u>	OTHER (IDENTIFY) <input type="checkbox"/>	TOTAL REC'D \$ <u>1,840.00</u>
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1083 TREASURY	4170 MISC CASH ACCT.
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0407 COPIES	\$
OTHER: (IDENTIFY) _____	\$

0243 Instream Lease _____	0244 Muni. Water Mgmt. Plan _____	0245 Cons. Water _____
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1083 TREASURY	4270 WRD OPERATING ACCT.
---------------	--------------------------

<b>MISCELLANEOUS</b>		
0407 COPY & TAPE FEES	\$	
0410 RESEARCH FEES	\$	
0408 MISC REVENUE (IDENTIFY) _____	\$	
TC162 DEPOSIT LIAB. (IDENTIFY) _____	\$	
0240 EXTENSION OF TIME _____	\$	

<b>WATER RIGHTS</b>		
0201 SURFACE WATER	EXAM FEE \$	0202 RECORD FEE \$
0203 GROUND WATER	\$	0204 RECORD FEE \$
0205 TRANSFER	\$ <u>1840</u>	

<b>WELL CONSTRUCTION</b>		
0218 WELL DRILL CONSTRUCTOR	EXAM FEE \$	0219 RECORD FEE \$
LANDOWNER'S PERMIT		0220 RECORD FEE \$
OTHER * (IDENTIFY) _____		

0607 TREASURY	0467 HYDROELECTRIC
---------------	--------------------

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

## SPECIAL INSTRUCTIONS:

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August 25, 2021

Oregon Water Resources Department  
725 Summer St. NE Ste A  
Salem, Oregon 97301

**RE: CITY OF BANKS – CLAIM OF BENEFICIAL USE PERMIT G-7593 WELL 1**

Dear Claim of Beneficial Use Specialist,

Please find enclosed with this letter a completed Claim of Beneficial Use from the City of Banks for Permit G-7593, Well 1. Please note that simultaneously with OWRD's approval of this COBU, the City of Banks withdraws Transfer T-10055.

The City of Banks has attached a check for the Statutory fee of \$230.00.

Please let us know if there are any questions or if any additional information is needed.

Thank you for your assistance.

Sincerely,

**CwM H2O, L.L.C.**

A handwritten signature in blue ink, appearing to read "R Long", is written over a light blue circular stamp.

Robert Long, CWRE

Enclosures (2):

1. Completed and Signed CBU for Permit G-7593
2. Check for \$230.00 fee

Copy: J. Becker  
L. Schroeder

# 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.wrd.state.or.us](http://www.wrd.state.or.us)

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\$230  
A fee of ~~\$200~~ 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:  
[http://www.oregon.gov/owrd/pages/wr/cwre\\_info.aspx](http://www.oregon.gov/owrd/pages/wr/cwre_info.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 503-986-0900 and ask for the Certificate Section.

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  
[http://www.oregon.gov/owrd/pages/mgmt\\_reimbursement\\_authority.aspx](http://www.oregon.gov/owrd/pages/mgmt_reimbursement_authority.aspx)

## SECTION 1 GENERAL INFORMATION

### 1. File Information

APPLICATION # <b>G-8476</b>	PERMIT # (IF APPLICABLE) <b>G-7593</b>	PERMIT AMENDMENT # (IF APPLICABLE) <b>T-10055</b>
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### 2. Property Owner (current owner information)

APPLICANT/BUSINESS NAME <b>CITY of BANKS</b>		PHONE NO. <b>503-324-5112</b>	ADDITIONAL CONTACT NO.
ADDRESS <b>13680 NW Main Street</b>			
CITY <b>Banks</b>	STATE <b>OR</b>	ZIP <b>97106</b>	E-MAIL <b>jbecker@cityofbanks.org</b>

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 <b>CITY of BANKS (Jolynn Becker, City Manager)</b>			<b>RECEIVED</b>
ADDRESS <b>13680 NW Main Street</b>			<b>SEP 13 2021</b>
CITY <b>Banks</b>	STATE <b>OR</b>	ZIP <b>97106</b>	<b>OWRD</b>

ADDITIONAL PERMIT HOLDER OF RECORD		
ADDRESS		
CITY	STATE	ZIP

4. Date of Site Inspection:

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

NAME	DATE	ASSOCIATION WITH THE PROJECT
<b>Tom Tulski</b>	<b>April 23, 2019</b>	<b>Public Works Supervisor</b>

6. County:

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(4)):

OWNER OF RECORD		
ADDRESS		
CITY	STATE	ZIP

Add additional tables for owners of record as needed

**SECTION 2  
SIGNATURES**

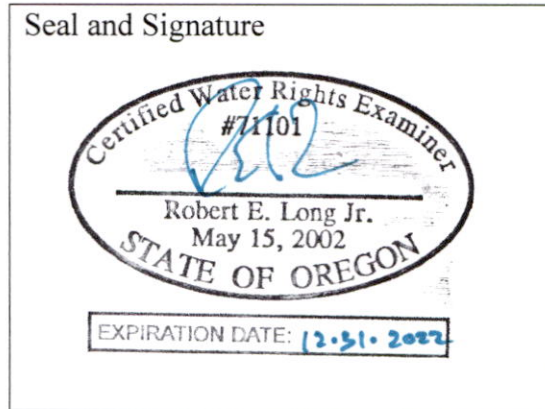
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CWRE Statement, Seal and Signature

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



CWRE NAME <b>Robert Long</b>		PHONE NO. <b>503-954-1326</b>	ADDITIONAL CONTACT NO. <b>503-799-0304</b>
ADDRESS <b>1319 SE MLK JR BLVD, Suite 204</b>			
CITY <b>Portland</b>	STATE <b>OR</b>	ZIP <b>97214</b>	E-MAIL <b>Bob.Long@cwmh2o.com</b>

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
	<b>Jolynn Becker</b>	<b>City Manager</b>	<b>9-1-2021</b>

**SECTION 3  
CLAIM DESCRIPTION**

**OWRD**

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)
<b>Well 1 (Behrman Well)</b>	<b>WASH 7651</b>	<b>NA</b>

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
<b>Well 1</b>	<b>West Fork Dairy Creek</b>	<b>West Fork Dairy Creek</b>

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)
<b>Well 1 (WASH 7651)</b>	<b>Municipal</b>	<b>-NA-</b>	<b>Year Round</b>	<b>300 GPM</b>
<b>Total Quantity of Water Used</b>				<b>0.67 cfs*</b>

\* The recent approval of the City's WMCP (Final/Special Order 120-798, dated 06/14/2021) has given the greenlight for the full rate of 0.67 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:

**Well 1 (WASH 7651), located 135 FT South and 560 FT West from the ¼ corner on the north line of NENW in Section 31, T. 2N., R. 3W., W.M.\* pumps water in a pipe approximately 850 ft west along NW Banks Road and then North up an approximate 1075' driveway to the Carsten Reservoir Storage Tanks. These reservoir tanks then feed the City's water distribution system.  
\*Location based on Permit description.**

**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

**NO**

(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.")

**\*Just a quick note, the Permit description of Well 1's location is: 135 FT South and 560 FT West from the ¼ corner on the north line of NENW in Section 31, T. 2N., R. 3W., W.M., however a GIS/Imagery measurement of the location puts it at: approximately 135 FT South and 1875' East from the NW corner, Section 31. The latitude (45.6212) and longitude (-123.1066) coordinate provided for WASH 7651 in OWRD's Well Report Query appears accurate. The use was developed consistently with what was authorized in all issued permits and final orders.**

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	0.67 cfs	1.01 cfs	0.76 cfs**	Municipal	-NA-	-NA -

***\*\*Daily Production Data recorded by the City of Banks show a pump rate of 0.76 cfs occurred on September 17, 2016 for ~ 32minutes.***

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**SECTION 4**  
**SYSTEM DESCRIPTION**

Are there multiple POAs?

YES  NO

If "YES" you will need to copy and complete Sections 4B through 4F for each POA.

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

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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.

**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. 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

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
-NA-	-NA-	Unknown	Turbine	-NA-	-NA-

3. Motor Information

MANUFACTURER	HORSEPOWER
U.S. Electrical	40 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)
40 HP		96 FT	182.5 FT	1.01 CFS

5. Provide pump calculations:

**City of Banks Well 1 Behrman Well (WASH 7651)**

**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

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**Data Entry (fill in underlined blanks)**

HP = 40  
 Efficiency = 7.04  
 Lift = 278.5  
 PSI = \_\_\_\_\_

**Results Calculated**

(hp)(efficiency) = 281.6  
 Head based on psi = 0.0  
 Total dynamic head = 278.5  
 (head + lift)

**Pump Capacity = 1.01 cubic feet per second**

Lift numbers and calculations based on a 2/17/2020 email to/from Rob Peacock of Kennedy-Jenks (the City Engineer) and a follow-up phone call on 2/24/2020 between Bob Long (the City's Water Consultant) and Rob Peacock.

Lift = Static water level measurement (measured at 96FT on 2/28/19) + change in elevation between Tank Floor (390') & Wellhead ground surface (231.5') + tank overflow (24')

$$\text{Lift} = 96' + (390' - 231.5') + 24'$$

$$\text{Lift} = 96' + 158.5' + 24'$$

$$\text{Lift} = 278.5'$$

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)
		Approx. .5 hrs	0.76 cfs (Sept. 17, 2016)

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

7. Is the distribution system piped?

YES  NO

If "NO" items 8 through item 11 may be deleted.

8. Mainline Information

MAINLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
~ 6 inches	~1,995 feet	PVC	Buried

9. Lateral or Handline Information NA

LATERAL OR HANDLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND

10. Sprinkler Information NA

SIZE	OPERATING PSI	SPRINKLER OUTPUT (GPM)	TOTAL NUMBER OF SPRINKLERS	MAXIMUM NUMBER USED	TOTAL SPRINKLER OUTPUT (CFS)

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

11. Pivot Information NA

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

12. Additional notes or comments related to the system:

Well 1 pumps to a 6" PVC mainline that delivers all ground water to the City's reservoir storage tanks. The mainline is approximately 1,995 feet long and has a total lift from the static water level measurement of 96 FT (2/28/2019) to the top of the reservoir (182.5 ft) of approximately 278.5 feet.

C. Groundwater Source Information (Well and Sump)

1. Is the appropriation from ground water (well) or sump)?

YES  NO

If "NO", items 2 through 8 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:

Well 1 has an access port with screw top. SCADA transducers also installed.

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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
8 5/8"	210 FT	450 FT	8/24/1977		City of Banks	A.M. Janssen Drilling Co.

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.

WASH 7651

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

YES  NO

If "NO", items 6 through 8 relating to this section may be deleted.

Reminder: Construction standards for sumps can be found in OAR 690-210-0400.

## D. Storage

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

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YES  NO

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

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If "YES" is it a: Storage Tank

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YES  NO

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
Concrete (Carsten Reservoir Storage Tanks, connected to Well 1)	1.50 MG	Above Ground
Concrete (North Star Reservoir Storage Tank)	0.07 MG	Above Ground
Steel/concrete (Clearwell Reservoir Storage Tank)	0.22 MG	Above Ground

### 3. Bulge in System / Reservoir:

RESERVOIR NAME OR NUMBER (CORRESPOND TO MAP)	APPROXIMATE DAM HEIGHT	APPROXIMATE CAPACITY (IN ACRE FEET)
-NA-		

## E. 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

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

## F. Gravity Flow Canal or Ditch -NA-

(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

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

**SECTION 5  
CONDITIONS**

**OWRD**

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	12/12/1977		
BEGIN CONSTRUCTION (A)	on or before 12/2/1978	8/16/1977	Drilling Started
COMPLETE CONSTRUCTION (B)	on or before 10/01/1979, - extended to 10/01/2027 by Final Order 107-308	8/24/1977	Well completed
COMPLETE APPLICATION OF WATER (C)	On or before 10/01/1980. - extended to 10/01/2027 by Final Order 107-308	January 1989	Wellhead design and construction completed, Began water use reporting

\* 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  NO

3. Initial Water Level Measurements: **First water depth: 130 ft, post static level: 34 ft**

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

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

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

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

*If "NO", items 5b through 5e relating to this section may be deleted.*

5. Pump Test (Required for most ground water permits prior to issuance of a certificate)

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

YES  NO

*If "NO", items 6b through 6e relating to this section may be deleted.*

b. Has the pump test been previously submitted to the Department?

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YES  NO

c. Is the pump test attached to this claim?

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YES  NO

d. Has the pump test been approved by the Department?

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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. A Pump test exemption request was submitted to the Department on 3/29/21**

6. Measurement Conditions:

a. Does the permit, permit amendment, or any extension final order require the installation of a meter approved measuring device?

YES  NO

*If "NO", items 7b through 7f 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  NO

c. Meter Information

POD/POA NAME OR #	MANUFACTURER	SERIAL #	CONDITION (WORKING OR NOT)	CURRENT METER READING	DATE INSTALLED
Well 1	Siemens		Working		7/24/2012

*If a meter has been installed, items 7d through 7f 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

*If "NO", item 7b relating to this section may be deleted.*

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. 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):

**The City of Banks' updated Water Management Conservation Plan (WMCP) was approved by FO 120-798 on June 14, 2021.**

**SECTION 6**  
**ATTACHMENTS**

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

**OWRD**

ATTACHMENT NAME	DESCRIPTION
<b>Claim of Beneficial Use Map</b>	As requested in Section 7
<b>CAD drawing of Well Piping</b>	CAD drawing of Well piping that shows location of the totalizing flow meter
<b>Pump Test Exemption Request Form</b>	Well 1 (WASH 7651) is only 67' away from Well 2 (WASH 62373), which has an accepted pump test and similar characteristics. A pump test exemption for Well 1 was submitted to OWRD on 3/29/2021 and is under review
<b>Well Log for WASH 7651</b>	

**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.

**The map integrates multiple sources:**

- The location of Well 1 (WASH 7651) is taken from the description in Permit G7593 and the OWRD Well Report Points geodatabase downloaded on 1/13/2020. The WR GR TRAN map has it located at Latitude 45.6212, Longitude -123.1066
- The Urban Growth Boundary (UGB) (i.e., the City's Service Area) was derived from Metro's RLIS Discovery web resource: <http://rlisdiscovery.oregonmetro.gov/>
- The base imagery used for marking the location of the larger Carsten Reservoir Tank was a 2014 USDA-FSA-APFO NAIP MrSID Mosaic covering Washington County (Ortho Image ortho\_1-1\_in\_s\_or067\_2014\_1.sid).
- The location of the Totalizing Flow Meter is estimated based on 1.) the description from the CWRE and 2.) the attached CAD drawing of Well Piping.
- StreamNet.org was consulted to identify locations of fish screens or passage devices, none were identified.

**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)
- (NA for Municipalities) 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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OMSD

29th J. & S. St.

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1875



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PUMP TEST UNREASONABLE BURDEN  
EXEMPTION REQUEST FORM

OWRD

OWNER NAME/BUSINESS NAME: City of Banks		PHONE No.: 503-324-5112	ADDITIONAL CONTACT No.: Bob Long RG CWRE 503-799-0304	
ADDRESS: 13680 NW Main Street				
CITY: Banks	STATE: OR	ZIP: 97106	E-MAIL: jbecker@cityofbanks.org	

*If there is a reason why a pump test cannot be performed on a well, the owner may request from the Director an exemption from the pump test requirement. Requests shall be in writing and include the reason why a pump test cannot be performed. Exemptions, or conditioned exemptions, shall be granted if the reasons are found to valid and eliminating the problem would place an unreasonable burden on the well owner. Exemptions shall be granted for public water supply wells if pump testing will cause interruption of service to customers. OAR 690-217-0015(3).*

1. List each well and associated water right(s) for which you are requesting an exemption. If a well is listed on more than one water right, be sure to include them all here. If additional space is needed, please attach another form. If available, please attach all water well reports (i.e. well logs) and a map showing the locations of all wells listed on this form.

	WELL LOG # (EX. MARI 99999)	WELL TAG # (EX. L-999999)	WELL NAME OR #	APPLICATION	PERMIT	TRANSFER
a	WASH 7651	L-	Well 1 or Behrman Well	G- 8476	G- 7593	T- 10055
b		L-		G-	G-	T-
c		L-		G-	G-	T-
d		L-		G-	G-	T-
e		L-		G-	G-	T-

(CONTINUED)

	TWP (EX. 25S)	RNG (EX. 31E)	SEC (EX. 12)	QQ (EX. SE/SW)	SURVEYED LOCATION (EX: 100 ft N & 735 ft E fr SE cor, sec 5)	LATITUDE (EX: 44.94473859)	LONGITUDE (EX: -123.02787000)
a	2N	3W	31	NENW	135 FT S. and 560 FT W. from NW corner of Sect. 31	~45.6212	~123.1066
b							
c							
d							
e							

2. Please explain why the test cannot be performed:

The City of Banks uses both Well 1 and Well 2 to meet its municipal water requirements.

Well 1 (WASH 7651) is located approximately 67 feet from Well 2 (WASH 62373).

Due to their close proximity, the two wells produce water from shared water-bearing zones. Any pump test on one well requires the other to remain off for an extended period.

A 47-hour 465 gallon per minute (gpm) constant-rate pump test was performed on Well 2 (WASH 62373). The results of this pump test on are on file with OWRD.

In lieu of idling Well 2 for a pump test on Well 1, the results of Well 2's pump test are respectfully submitted as a better overall representation of the characteristics of the basalt aquifer in this area.

I hereby certify that the well(s) requested for exemption(s) are under my ownership.

SIGNATURE: Robert E. Long Jr. RG CWRE DATE: 3/29/2021

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

# WATER WELL REPORT

WATER RESOURCES DEPARTMENT  
SALEM, OREGON 97310  
within 30 days from the date of well completion.

# RECEIVED

DATE OF OREGON  
(Please type or print)

SEP - 6 1977 (Do not write above this line)

WASH  
7651

State Well No. 2N/3W-31  
State Permit No. \_\_\_\_\_

(1) OWNER: WATER RESOURCES DEPT.  
Name City of Banks SALEM, OREGON  
Address Banks, Oregon

(2) TYPE OF WORK (check):  
New Well  Deepening  Reconditioning  Abandon   
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL: (4) PROPOSED USE (check):  
Rotary  Driven  Domestic  Industrial  Municipal   
Cable  Jetted  Dug  Bored  Irrigation  Test Well  Other

CASING INSTALLED: Threaded  Welded   
8-5/8" Diam. from plus 2 ft. to 210 ft. Gage 250  
" Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_  
" Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_

PERFORATIONS: Perforated?  Yes  No.  
Type of perforator used \_\_\_\_\_  
Size of perforations in. by \_\_\_\_\_ in.  
\_\_\_\_\_ perforations from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
\_\_\_\_\_ perforations from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
\_\_\_\_\_ perforations from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

(7) SCREENS: Well screen installed?  Yes  No  
Manufacturer's Name \_\_\_\_\_  
Type \_\_\_\_\_ Model No. \_\_\_\_\_  
Diam. \_\_\_\_\_ Slot size \_\_\_\_\_ Set from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
Diam. \_\_\_\_\_ Slot size \_\_\_\_\_ Set from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

(8) WELL TESTS: Drawdown is amount water level is lowered below static level  
Was a pump test made?  Yes  No If yes, by whom? AMJanssen  
\_\_\_\_\_ 275 gal./min. with 224 ft. drawdown after 48 hrs.  
\_\_\_\_\_ 150 " " 146 " " " "  
" " " " " "  
Bailer test gal./min. with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
Artesian flow g.p.m. \_\_\_\_\_  
Temperature of water 58° Depth artesian flow encountered \_\_\_\_\_ ft.

(9) CONSTRUCTION:  
Well seal—Material used Cement grout & 2% gel  
Well sealed from land surface to \_\_\_\_\_ ft.  
Diameter of well bore to bottom of seal 12-1/4" in.  
Diameter of well bore below seal 8" in.  
Number of sacks of cement used in well seal 25 sacks  
How was cement grout placed? Placed on o.d. of casing & through grout pipe - 20 sacks run @ 210', 5 sacks run to top off at ground level upon completion  
Was a drive shoe used?  Yes  No Plugs \_\_\_\_\_ Size: location \_\_\_\_\_ ft.  
Did any strata contain unusable water?  Yes  No  
Type of water? insufficient depth of strata 130' to 160'  
Method of sealing strata off cased and cemented  
Was well gravel packed?  Yes  No Size of gravel: \_\_\_\_\_  
Gravel placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

(10) LOCATION OF WELL:  
County Washington Driller's well number \_\_\_\_\_  
\_\_\_\_\_ 1/4 Section 31 T. 2 N R. 3 W. -W.M.  
Bearing and distance from section or subdivision corner \_\_\_\_\_

(11) WATER LEVEL: Completed well.  
Depth at which water was first found 130 ft. OWRD ft.  
Static level 34 ft. below land surface. Date 8/24/77  
Artesian pressure \_\_\_\_\_ lbs. per square inch. Date \_\_\_\_\_

(12) WELL LOG: Diameter of well below casing 8"  
Depth drilled 450 ft. Depth of completed well 450 ft.

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

MATERIAL	From	To	SWL
Dark brown clay topsoil	0	8	
Silty brown clay	8	15	
Red-brown clay w/rotten rock fragments	15	50	
Sticky red clay-occ. rotten rock streaks	50	95	
Brown clay & rotten rock	95	110	
Dark brown & gray-brown clay --organic material	110	120	
Soft blue-gray cemented gravel	120	130	
Rotten brown basalt	130	160	20 gpm
Soft brown basalt-occ. weathered	160	195	
Black-brown basalt	195	215	
Hard gray-black basalt	215	230	
Broken brown basalt w/soapstone and lava interbeds	230	245	10 gpm
Fractured black basalt--occ. crevice	245	265	
Hard gray-black basalt, occ-			

Work started 8/16/77 19 Completed 8/24/77 19  
Date well drilling machine moved off of well 8/24/77 19

Drilling Machine Operator's Certification:  
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.  
[Signed] Edward M. Janssen Date 8/29/77, 19\_\_\_\_\_  
(Drilling Machine Operator)  
Drilling Machine Operator's License No. 523

Water Well Contractor's Certification:  
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.  
Name A. M. Janssen Drilling Co.  
(Person, firm or corporation) (Type or print)  
Address 21075 SW Tualatin Valley Hwy. Aloha, Oregon  
[Signed] Edward M. Janssen  
(Water Well Contractor)  
Contractor's License No. 79 Date 8/29/77, 19\_\_\_\_\_  
SEP 13 2021

NOTICE TO WATER WELL CONTRACTOR  
 The original and first copy of this report  
 are to be filed with the  
 WATER RESOURCES DEPARTMENT  
 SALEM, OREGON 97310  
 within 30 days from the date  
 of well completion.

**RECEIVED**  
**WATER WELL REPORT**  
**STATE OF OREGON**

State Well No. 2N/3W-31  
 State Permit No. \_\_\_\_\_

SEP - 6 1977 (Do not write above this line)

**(1) OWNER:**

Name City of Banks City of Banks SALEM, OREGON Page 2  
 Address \_\_\_\_\_

**(2) TYPE OF WORK (check):**

New Well  Deepening  Reconditioning  Abandon   
 If abandonment, describe material and procedure in Item 12.

**(3) TYPE OF WELL:**

Rotary  Driven   
 Cable  Jetted   
 Dug  Bored

**(4) PROPOSED USE (check):**

Domestic  Industrial  Municipal   
 Irrigation  Test Well  Other

**(5) CASING INSTALLED:**

Threaded  Welded   
 \_\_\_\_\_" Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_  
 \_\_\_\_\_" Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_  
 \_\_\_\_\_" Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_

**PERFORATIONS:**

Perforated?  Yes  No.

Type of perforator used \_\_\_\_\_

Size of perforations in. by in.  
 \_\_\_\_\_ perforations from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
 \_\_\_\_\_ perforations from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
 \_\_\_\_\_ perforations from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

**(7) SCREENS:**

Well screen installed?  Yes  No

Manufacturer's Name \_\_\_\_\_  
 Type \_\_\_\_\_ Model No. \_\_\_\_\_  
 Diam. \_\_\_\_\_ Slot size \_\_\_\_\_ Set from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
 Diam. \_\_\_\_\_ Slot size \_\_\_\_\_ Set from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

**(8) WELL TESTS:**

Drawdown is amount water level is lowered below static level

Was a pump test made?  Yes  No If yes, by whom?  
 \_\_\_\_\_ gal./min. with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
 " " " " " "  
 " " " " " "  
 Bailer test gal./min. with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
 Artesian flow g.p.m. \_\_\_\_\_  
 \_\_\_\_\_ temperature of water \_\_\_\_\_ Depth artesian flow encountered \_\_\_\_\_ ft.

**(9) CONSTRUCTION:**

Well seal—Material used \_\_\_\_\_  
 Well sealed from land surface to \_\_\_\_\_ ft.  
 Diameter of well bore to bottom of seal \_\_\_\_\_ in.  
 Diameter of well bore below seal \_\_\_\_\_ in.  
 Number of sacks of cement used in well seal \_\_\_\_\_ sacks  
 How was cement grout placed? \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 Was a drive shoe used?  Yes  No Plugs \_\_\_\_\_ Size: location \_\_\_\_\_ ft.  
 Did any strata contain unusable water?  Yes  No  
 Type of water? \_\_\_\_\_ depth of strata \_\_\_\_\_  
 Method of sealing strata off \_\_\_\_\_  
 Was well gravel packed?  Yes  No Size of gravel: \_\_\_\_\_  
 Gravel placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

**(10) LOCATION OF WELL:**

County \_\_\_\_\_ Driller's well number \_\_\_\_\_  
 \_\_\_\_\_ ¼ \_\_\_\_\_ ¼ Section T. R. W.M.  
 Bearing and distance from section or subdivision corner \_\_\_\_\_

**(11) WATER LEVEL: Completed well.**

Depth at which water was first found \_\_\_\_\_ ft.  
 Static level \_\_\_\_\_ ft. below land surface. Date \_\_\_\_\_  
 Artesian pressure \_\_\_\_\_ lbs. per square inch. Date \_\_\_\_\_

**(12) WELL LOG:**

Diameter of well below casing \_\_\_\_\_

Depth drilled \_\_\_\_\_ ft. Depth of completed well \_\_\_\_\_ ft.

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

MATERIAL	From	To	SWL
fracture	265	315	5 gpm
Brown basalt-occ. broken	315	325	10 gpm
Hard black & gray-black basalt-occ. crevice	325	360	
Black basalt--occ. broken w/ green soapstone	360	380	25 gpm
Broken black & brown basalt-w/ lava & soapstone interbed	380	400	200 gpm
Broken gray-brown basalt w/ lava streaks	400	415	100gpm
Hard gray-black basalt--occ. crevice	415	450	

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Work started \_\_\_\_\_ 19 Completed \_\_\_\_\_ 19  
 Date well drilling machine moved off of well \_\_\_\_\_ 19

**Drilling Machine Operator's Certification:**

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

[Signed] \_\_\_\_\_ Date \_\_\_\_\_, 19\_\_\_\_  
 (Drilling Machine Operator)

Drilling Machine Operator's License No. \_\_\_\_\_

**Water Well Contractor's Certification:**

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

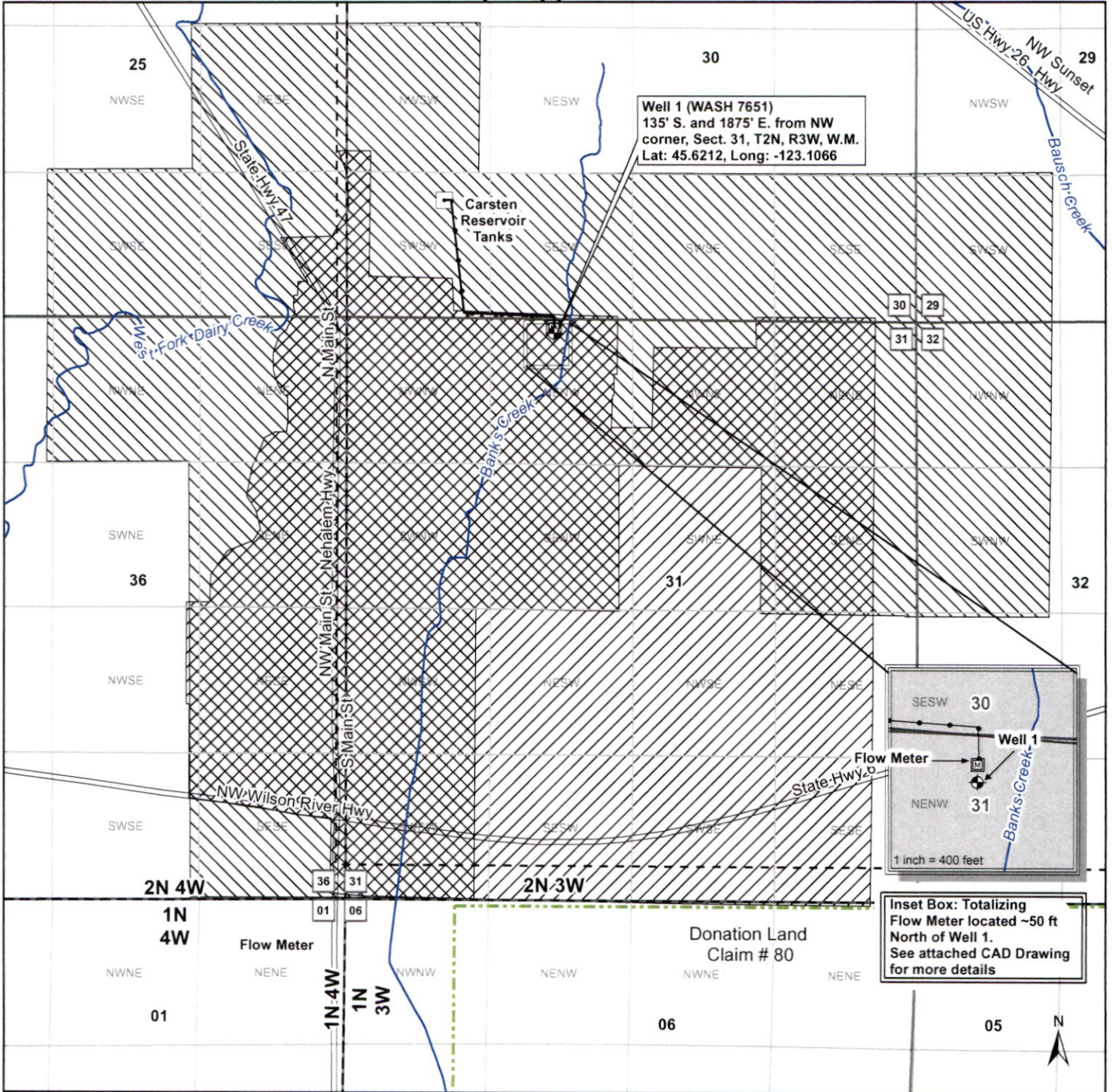
Name \_\_\_\_\_ (Person, firm or corporation) \_\_\_\_\_ (Type or print)

Address \_\_\_\_\_

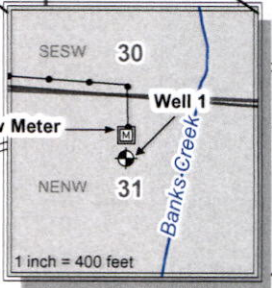
[Signed] \_\_\_\_\_ (Water Well Contractor)

Contractor's License No. \_\_\_\_\_ Date \_\_\_\_\_, 19\_\_\_\_

# Claim of Beneficial Use Map - Application G-8476 / Permit G-7593



**Well 1 (WASH 7651)**  
 135' S. and 1875' E. from NW  
 corner, Sect. 31, T2N, R3W, W.M.  
 Lat: 45.6212, Long: -123.1066



**Inset Box:** Totalizing Flow Meter located ~50 ft North of Well 1. See attached CAD Drawing for more details.

**City of Banks**  
**Well 1 (WASH 7651)**  
**Application; G-8476**  
**Permit: G-7593**

T. 2N., R. 3W. W.M. Sect. 29, 30, 31, 32  
 T. 2N., R. 4W. W.M. Sect. 25 and 36

- Legend**
- Well 1 (WASH 7651)
  - Magnetic Flow Meter in Vault
  - Carsten Reservoir Tanks
  - Water line (6" pvc)
  - Streams
  - Highways
  - Place of Use per Permit 7593
  - Banks Service Area per UGB
  - Donation Land Claim
  - Township/Range
  - 31 Sections
  - NENW 1/4, 1/4 Sections

13680 NW Main Street  
 Banks, Oregon 97106

**CWRE SEAL:**

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SEP 13 2021

**OWRD**

**CwM-H2O**   
 Complete Water Management

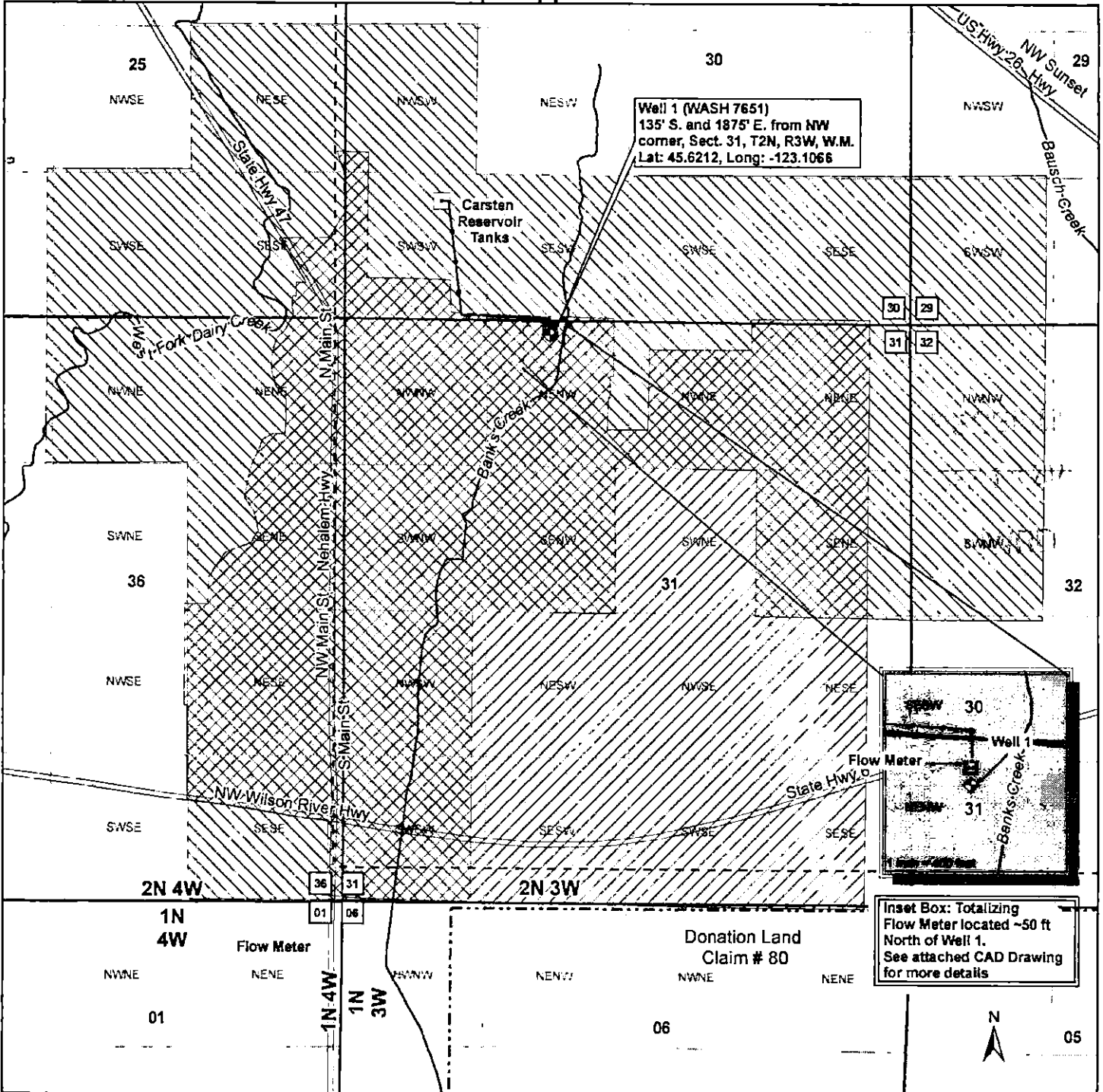
1319 SE MLK JR BLVD #204  
 Portland, OR 97214

0 660 1,320 FT

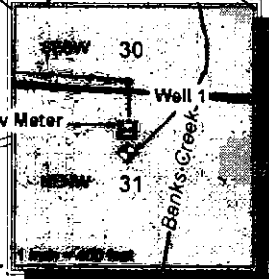
1 inch = 1,320 ft

*This map is not intended to provide legal dimensions or property ownership lines.*

# Claim of Beneficial Use Map - Application G-8476 / Permit G-7593



Well 1 (WASH 7651)  
 135' S. and 1875' E. from NW  
 corner, Sect. 31, T2N, R3W, W.M.  
 Lat: 45.6212, Long: -123.1066



**Inset Box: Totalizing  
 Flow Meter located ~50 ft  
 North of Well 1.  
 See attached CAD Drawing  
 for more details**



**City of Banks**  
**Well 1 (WASH 7651)**  
**Application: G-8476**  
**Permit: G-7593**  
 T. 2N., R. 3W. W.M. Sect. 29, 30, 31, 32  
 T. 2N., R. 4W. W.M. Sect. 25 and 36

- Legend**
- Well 1 (WASH 7651)
  - Magnetic Flow Meter in Vault
  - Carsten Reservoir Tanks
  - Water line (6" pvc)
  - Streams
  - Highways
  - Place of Use per Permit 7593
  - Banks Service Area per UGB
  - Donation Land Claim
  - Township/Range
  - 31 Sections
  - 1/4, 1/4 Sections

**CWRE SEAL:**  
 Robert H. Long Jr.  
 May 15, 2002  
 STATE OF OREGON  
 12-31-2022

**BANKS**  
 13680 NW Main Street  
 Banks, Oregon 97106

**CWM-H2O**  
 Complete Water Management  
 1319 SE MLK JR BLVD #204  
 Portland, OR 97214

0 660 1,320 FT  
 1 inch = 1,320 ft  
 This map is not intended  
 to provide legal dimensions  
 or property ownership lines.

