T-14450

Regular

RA

T-14450

Name City of Banks
c/o Jolynn Becker
Address 13680 NW Main St.
Banks, OR 97106
jbecker@cityofbanks.org

Change in APOA
Date Filed 4/29/2024
Initial notice date 5/7/2024
DPD issued date
PD issued date
PD notice date
Date of FO Vol Page

C-Date
COBU due date
COBU Received date
Certificate issued

DESCRIPTION OF WATER RIGHT(s)

Name of Stream A well

Trib. of West Fork Dairy Creek Basin

Use Municipal Uses County Washington
Quantity of water (CFS) No. of Acres
Name of ditch
App# G-15887 Per # G-16312 Cert # 95849 PR Date 12/5/2002
App# Per # Cert # PR Date
App# Per # Cert # PR Date
App# Per # Cert # PR Date

FEES PAID

Date	Amount	Receipt #
4-29-24	$125.00	142818
4-29-24	3,896.00	142828
5-17-24	$2,820.02	142942

FEES REFUNDED

Date	Amount	Receipt #

Assignments:

Irrigation District

Agent Bob Long
bob.long@cwmh2o.com
CWRE
CC's list City of Banks

☐ - Oversized map – Location

Watermaster Review Form: Water Right Transfer

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

Transfer Application: T-14450 Review Due Date:

Applicant Name: City of Banks

Proposed Changes: ☐ POU ☐ POD ☑ POA ☐ USE ☐ OTHER

Reviewer(s): Jake Constans Date of Review: 06/04/2024

1. Do you have evidence that the right has not been used in the last 5 years and that the presumption of forfeiture would not likely be rebuttable? ☐ Yes ☑ No If "Yes", attach evidence (e.g. dated aerial photo showing pavement or building on the land for >5 yrs.)

2. Is there a history of regulation on the source that serves this (or these) right(s) that has involved the transferred right(s) and downstream water rights? ☑ Yes ☐ No Generally characterize the frequency of any regulation or explain why regulation has not occurred:
Surface water in the Tualatin Basin is regulated each year for senior water rights.

3. Have headgate notices been issued for the source that serves the transferred right(s)?
☐ Yes ☑ No ☐ Records not available.

4. In your estimation, after the proposed change, would distribution of water for the right(s) result in regulation of other water rights that would not have occurred if use under the original right(s) was/were maximized? ☐ Yes ☑ No If "Yes", explain:

5. In your estimation, if the proposed change is approved, are there upstream water rights that would be affected? ☐ Yes ☑ No If "Yes", describe how the rights would be affected and list the rights most affected:

6. Check here ☐ if it appears that downstream water rights benefit from return flows resulting from the current use of the transferred right(s)? If you check the box, generally characterize the locations where the return flows likely occur and list the water rights that benefit most:

☑ N/A

7. For POD changes and instream transfers, check here if there are channel losses between the old and new PODs or within the proposed instream reach? If you check the box, describe and, if possible, estimate the losses:

☑ N/A

8. For instream transfers that propose protection of a reach beyond the mouth of the source stream:
☑ N/A Would the quantity be measureable into the receiving stream consistent with OAR 690-077-0015(8)? ☐ Yes ☐ No

9. For POU changes: ☑ N/A Is it likely the original place of use would continue to receive water from the same source? ☐ Yes ☐ No If "Yes", explain:

10. For POU or USE changes: ☑ N/A In your best judgment, would use of the existing right at "full face value," result in the diversion of more water than can be used beneficially and without waste?
☐ Yes ☐ No If "Yes", explain:

11. For POU changes that involve micro-irrigation: ☑ N/A
    a. Has the applicant made changes (absent a transfer) to convert to micro-irrigation within the current place of use boundary of the water right proposed for transfer, and previously demonstrated to the Department through monitoring and site inspections by the Watermaster that the proposed transfer will not result in injury or enlargement?
    ☐ Yes ☐ No If "Yes", explain:

b. Has a temporary transfer of this nature been previously filed and approved on the same lands (or portions thereof) as those lands involved in this transfer?

☐ Yes ☐ No If "Yes", answer the following:

i. Were there any problems with more acres being irrigated (or wetted) than were authorized under the temporary transfer? ☐ Yes ☐ No If "Yes", explain:

ii. Did the designated areas that were to remain dry (or not wetted) under the temporary transfer actually remain dry? ☐ Yes ☐ No If "No", explain:

iii. Did the applicant comply with and meet all of the conditions of the temporary transfer? ☐ Yes ☐ No If "No", explain:

iv. Do you have any other observations regarding the temporary transfer?

☐ Yes ☐ No If "Yes", describe:

v. Did the applicant demonstrate to the Department through monitoring and site inspections by the Watermaster that neither injury nor enlargement occurred as a result of the temporary transfer? ☐ Yes ☐ No If "No", explain:

c. To the best of your knowledge, if this transfer is approved, does it appear that:

i. "Injury" will occur to other water rights that share the same source?

☐ Yes ☐ No If "Yes", explain:

ii. "Enlargement" of the water right being transferred will occur?

☐ Yes ☐ No If "Yes", explain:

12. Are there other issues not identified through the above questions that should be considered in determining whether the change "can be effected without injury to other rights"?

☐ Yes ☑ No If "Yes", explain:

13. What alternatives may be available for addressing any issues identified above:

14. Do conditions need to be included in the transfer order to avoid enlargement of the right or injury to other rights? ☐ No ☑ Yes, as checked and provided below:

☐ For POU changes that involve micro-irrigation, provide the monitoring and reporting conditions necessary to prevent injury/enlargement:

☐ A Headgate should be required prior to diverting water.

☑ Measurement Devices for POD or POA: (if this condition is selected, also fill in the top sections of Page 4)

a. Before water use may begin *under this order, the water user shall install a* ***totalizing flow meter****, or, with prior approval of the Director, another suitable measuring device,* ☑ *at each point of diversion/appropriation (new and existing)* ***OR*** *at each new point of diversion/appropriation* ☐ *with the exception that water rights issued to the Bureau of Reclamation or an irrigation district (or similar entity) are not subject to this condition.*

b. *The water user shall maintain the meters or measuring devices in good working order.*

c. *The water user shall allow the Watermaster access to the meters or measuring devices; provided however, where the meters or measuring devices are located within a private structure, the Watermaster shall request access upon reasonable notice.*

☐ Reservoir water use measurement: (if this condition is selected, also fill in the top sections of Page 4)

a. Before water use may begin *under this order, the water user shall install* ***staff gages****, or, with prior approval of the Director, other suitable measuring devices, that measure the entire range and stage between empty and full in each reservoir. Staff gages shall be United States Geological Survey style.*

b. Before water use may begin *under this order, if the reservoir is located in channel, weirs or other suitable measuring devices must be installed upstream and downstream of the reservoir, and, an adjustable outlet valve must be installed. The water user shall maintain such devices in good working order. A written waiver may be obtained, if in the judgment of the Director, the installation of weirs or other suitable measuring devices, or the adjustable outlet valve, will provide no public benefit.*

*** The following alternative device(s) should be substituted for the bold, underlined device in the above selected condition:**

☐ Weir
☐ Parshall Flume
☐ Other: ___
☐ Submerged Orifice
☐ Flow Restrictor

Oregon Water Resources Department

Measurement Condition Information for the Applicant

(To be sent with the Draft Preliminary Determination or Final Order)

Transfer #: T- 14450

☑ In order to avoid enlargement of the right or injury to other rights, a totalizing flow meter will be required to be installed **prior to diversion of water**, as a condition of this transfer:

- ☑ *at each point of diversion/appropriation (new and existing)* ***OR***
- ☐ *at each new point of diversion/appropriation.*

For additional information, or to obtain approval of a different type of measurement device, the applicant should contact the area Watermaster:

Watermaster name: Jake Constans

District: 18

Address: 1400 SW Walnut Street #240

City/State/Zip: Hillsboro, OR 97123

Phone: 503-846-7780

Email: jake.w.constans@water.oregon.gov

Note: *If a device other than the one specified in the Preliminary Determination or Final Order is approved by the Watermaster, fill out and mail the form below to the Salem office.*

****

Approval of an Alternate Measurement Device T-

(to be filled out after consultation with the applicant, or after a site visit)

On behalf of the Director, I authorize use of the following suitable **alternate measurement device**:

_____

_____

_____ _____

Watermaster signature District Date

If this form is used for approval of an alternative measurement device, it must be mailed to:

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

REIMBURSEMENT AUTHORITY
APPLICANT'S AGREEMENT
Contract Number: R11-500-25

This Agreement is between the **Oregon Water Resources Department**, hereafter OWRD, and **City of Banks**, hereafter Applicant, hereafter known together as the parties.

OWRD Information		Applicant's Information		Applicant's Representative	
Contact:	**Kelly Starnes**	Name:	City of Banks	Name:	CwM-H2O, LLC
Title:	Transfer Advisor	Contact:	Jolynn Becker, City Manager	Contact:	Bob Long, CWRE
Address:	725 Summer Street, NE, Suite A Salem, OR 97301-1266	Address:	13680 NW Main Street Banks, OR 97106	Address:	311 B Avenue, Suite P Lake Oswego, OR 97034
Phone:	503 979-3511	Phone:		Phone:	(503) 954-1326
Fax:	503 986-0901	Fax:		Fax:	
Email:	patrick.k.starnes@water.oregon.gov	Email:	jbecker@cityofbanks.org	Email:	bob.long@cwmh2o.com

Purpose The purpose of this Agreement is to expedite the processing of the **Transfer Application. (Application Number: T-14450)**

1. **Authority.** The OWRD has been authorized pursuant to ORS 536.055 to enter into a voluntary agreement with any applicant, permittee or regulated entity (collectively Applicant) for expediting or enhancing a regulatory process. In making this agreement, OWRD shall require the applicant to pay the full cost of expedited process.

2. **Restrictions.** Applicant and OWRD agree that this Agreement shall not be construed to restrict in any way the decisions and actions by OWRD. OWRD shall be free to exercise independent judgment consistent with existing laws and regulations.

3. **Effective Date and Duration.** Unless otherwise terminated by non-deposit of funds by the Applicant, this Agreement shall become effective on the date on which both parties have signed the Agreement and the full deposit of the estimated cost of the proposed service.

4. **Consideration.**

   a. Applicant shall pay OWRD in advance for actual costs incurred by OWRD. The estimated maximum reimbursement payable to OWRD under this Agreement is **$2,820.02**. Applicant agrees to pay the full amount of **$2,820.02** to OWRD prior to commencement of any work stated in this Agreement. This payment will be placed in an account administered by OWRD and drawn upon as costs are actually incurred. If the actual cost of performing the work is less than payments received, OWRD will refund the unspent balance. If the actual cost of processing exceeds the estimate, the Applicant can either elect to terminate this Agreement or amend the Agreement to reflect the increase in cost.

   b. The costs stated in this Agreement do not include the statutory application processing and filing fees.

5. **Confidentiality.** Applicant agrees that any information provided to or acquired by OWRD under this Agreement will be subject to the Oregon Public Records Law and shall be considered public records.

6. **Indemnity.** Applicant shall defend, save, hold harmless, and indemnify the State of Oregon, OWRD, and their officers, employees, and agents from and against all claims, suits, actions, losses, damages, liabilities, costs, and expenses of any nature resulting from or arising out of, or relating to the activities of Applicant or its representatives, officers, employees, contractors, or agents under this Agreement or with respect to the expedited service. The Applicant acknowledges that the Oregon Water Resources Department cannot and does not guarantee a favorable review under the subject regulatory process.

7. **Termination by Applicant.** Applicant may request to terminate this agreement only in writing at anytime during the process. The Applicant agrees to pay for the work done by OWRD up until the time of the written termination request. OWRD, upon receiving such written termination request from the Applicant, will refund any unspent balance.

8. **Termination by OWRD.** OWRD may terminate this Agreement if the applicant fails to provide any requested items necessary to complete the application and/or comply with applicable rule requirements within the specified timeframe outlined in the request letter, being a period of not less than 30 days.

9. **Funds Authorized and Available.** By its execution of this Agreement, Applicants certify that sufficient funds are authorized and available to cover the expenditures contemplated by this Agreement.

10. **Duration of Estimate.** The Estimate of Time to completion is **approximately** 120 days once this Agreement has been fully executed and payment of the estimated cost deposited. If the Applicant's Agreement is not received by the Department within thirty (30) days of mailing the Agreement, the Applicant may need to re-apply for a new estimate. NOTE: Any time estimate is approximate; No guarantee of Final Order issuance of a date is certain. Duration estimates do not include any statutory waiting periods.

10. **Completion Date.** OWRD, by the execution of this Agreement does not guarantee the completion date indicated in this Agreement. Completion date is only an estimate and may be affected by the Department's workload, issues arising from the processing of the requested services and Applicant's timely response to requests for additional information.

11. **Captions.** The captions or headings in this Agreement are for the convenience only and in no way define, limit, or describe the scope, or intent, of any provision of this Agreement.

12. **Amendment and Merger.** The terms of this Agreement shall not be waived, altered, modified, supplemented, or amended in any manner whatsoever, except by written instrument signed by both parties. Such waiver, consent, modification or change, if made, shall be effective only in the specific instance and for the specific purpose given. There are no understandings, agreements or representations, oral or written, not specified herein regarding this Agreement.

13. **Signatures.** All parties, by the authorized representative's signature below, hereby acknowledge that they have read this Agreement, understand it and agree to be bound by its terms and conditions.

For Applicant: Glenn Beck — Name/Title: City Manager — 5-14-24 Date

For OWRD: Dwight French — Dwight French – Administrator — 5-29-2024 Date

Mail signed Agreement to:

Stacy Phillips
Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, OR 97301-1266

Received by OWRD
MAY 17 2024
Salem, OR

CITY OF BANKS RA R11-500-25 T-14450						
Review Step						
Front Desk Staff receipts received AA funds						
Transfer Support process Application						
Administrator signs AA						
NRS 1 Support enters workflow record in WRIS and updates RA spreadsheet						
NRS 2 completes initial review of file for deficiencies						
NRS 2 consults with Analyst and/or Manager						
NRS 2 writes and sends deficiency ltr (email and hard copy)						
NRS 2 addresses correspondence from app/agent regarding deficiencies						
Watermaster completes review						
Groundwater completes review						
NRS 2 completes DPD, PN, and RR						
Transfer staff peer reviews DPD, PN, RR						
Transfer Analyst completes policy check at DPD stage						
NRS 2 sends DPD to app/agent by email and/or mail						
NRS 2 completes PD						
Transfer Staff peer reviews PD						
Transfer Analyst peer reviews PD						
Data Center reviews PD AND RR: (RR where applicable)						
Transfer Analyst completes peer review of PN review for newspaper noticing						
Transfer Support requests newspaper quote for PN publishing						
NRS 2 sends publishing fee request to applicant						
Transfer Support processes fee and newspaper publishing						
Transfer Support processes public notice (dept notice)						
Administrator signs PD						
NRS 2 completes FO						
Transfer Staff peer reviews FO						
Transfer Analyst peer reviews FO						
Administrator signs FO						
Transfer Support issues FO, updates WRIS, copy to file, record markings, and sends hard copy						
NRS 1 closes out RA Contract						
			TOTAL ESTIMATED HOURS	43.96		
					TOTAL	$2,820.02

OREGON WATER RESOURCES DEPARTMENT

TRANSFER REIMBURSEMENT AUTHORITY ESTIMATE APPLICATION

ORS 536.055 authorizes the Oregon Water Resources Department to expedite or enhance regulatory processes voluntarily requested under the agreement.
Please contact Transfer Staff before submitting this request, as the application fee of $125.00 per request is non-refundable.
Checks submitted for this application must be separate from Transfer fees.
The purpose of this application is to obtain estimates of the cost and time required to process a Transfer Application Request. ***There is a non-refundable application fee of $125.00 per request.***

REQUEST	TYPE	FILE NUMBER
☒	Transfer Application	T-14450 Transfer Number *Not Yet Assigned (Cert. 95849)*

	Applicant Information	Applicant's Representative/Contact
Name:	**City of Banks** (Jolynn Becker, *City Manager*)	Bob Long, *CWRE* (CwM-H2O, LLC)
Address:	13680 NW Main Street	311 B Avenue, Suite P
	Banks, OR 97106	Lake Oswego, OR 97034
Phone:		(503) 954 – 1326
Fax:		
E-Mail Address:	jbecker@cityofbanks.org	Bob.long@cwmh2o.com

By signing this application, I understand:

- That upon receipt of my non-refundable application fee of **$125.00**, OWRD will, within fourteen (14) days, notify me in writing of the estimate of costs and time frame for the expedited service.
- That this fee covers the reimbursement authority staff to evaluate and provide the estimate for processing of the request.
- That upon receiving the estimate, I may agree or decline to enter into a formal contract to pay the estimated cost in advance to initiate the expedited service.
- That an incomplete or inaccurate application may delay the process and increase the cost to process my request.
- That expedited processing does not guarantee a favorable review of my request.

I certify that I am the *(check one)*:

◉ Applicant ○ Applicant's Representative ○ Other *(Please specify)*

Name:

Signature: _____

Send completed Application and payment to:

Oregon Water Resources Department
Transfer Reimbursement Authority Program
725 Summer St. NE, Suite A
Salem, OR 97301-1271

Received
APR 29 2024
OWRD

OWRD USE ONLY: Reimbursement Authority Number: R11-500-25

WATER RIGHT TRANSFER COVER SHEET

Transfer: T-14450 Transfer Specialist:

Transfer Type: Regular Transfer Reimbursement Authority? ☒

Applicant:	**Agent:**	**Receiving Landowner:**
Jolynn Becker 13680 NW Main St Banks, OR 97106	Bob Long 311 B Ave, Suite P Lake Oswego, OR 97034	
Current Landowner if other than Applicant:	**CWRE:**	**Irrigation District:**
Affected Local Gov'ts:	**Affected Tribal Gov't:**	**BOR Notified (date):**

Water Rights Affected

File Marked	App. File # or Decree Name	Permit	Certificate	RR/CR Needed	RR/CR Nos.
☐				☐ Yes ☐ No	
☐				☐ Yes ☐ No	
☐				☐ Yes ☐ No	

Key Dates & Initial Actions (Support Staff)

Rec'd: April 29, 2024	Proposed Action(s): ADDITIONAL POINT OF APPROPRIATION	
Fees Pd: 3890.00	Acknowledgement Letter Sent ☒	Basin: 2 Willamette
Initial Public Notice: 5/7/2024	County sent cc: of Ack Letter ☒	County: WASHINGTON
WM District: 18 Jacob W. Constans	WM Review request sent:	WM Review date received:
ODFW District:	ODFW Review sent:	ODFW Review date received:
Groundwater	GW Review sent:	GW Review date received:

Caseworker Actions: Newspaper & PD Notice:

Newspaper notice needed: ☐	Name of Newspaper:
Newspaper notice sent to coordinator:	Newspaper notice quote requested (NRS1):
Request for news $ sent:	News $ received:
Affidavit of publication received:	Last day of publication:

Peer Review:

Document	Drafted	Peer Review	Coordinator	Changes Made	Signature Bin	Signature Date
DPD	Date: _____ Initials: _____	Date: _____ Initials: _____	Date: _____ Initials: _____	Date: _____ Initials: _____	CW Sent: _____ **WM Sheet** ☐ **ODFW Sheet:** ☐	N/A
PD	Date: _____ Initials: _____	Date: _____ Initials: _____	Date: _____ Initials: _____	Date: _____ Initials: _____ **Data Review Date:** _____	Date: _____	Date: _____
FO	Date: _____ Initials: _____	Date: _____ Initials: _____	Date: _____ Initials: _____	Date: _____ Initials: _____	Date: _____ **No. of docs for sig:** _____	Date: _____

Special Issues: _____

Special Order Volume: Vol. _____ Pages _____

Oregon
Tina Kotek, Governor

Water Resources Department
North Mall Office Building
725 Summer St NE, Suite A
Salem, OR 97301
Phone 503 986-0900
Fax 503 986-0904

May 7, 2024

Jolynn Becker
13680 NW Main St
Banks, OR 97106
Reference: Application T-14450

On April 29, 2024, the Department received your water right Permanent Transfer Application. The application was accompanied by $3890.00. Receipt number 142828 is enclosed.

By copy of this letter, we are asking the Watermaster for a report regarding the potential for injury to existing water rights which may be caused by the requested change. A review form will also be sent to our groundwater staff to determine whether the proposed well accesses the same source of water as the original well.

This application may require publication of a notice for two consecutive weeks in a newspaper with general circulation in the area where the water right is located. If it is determined that newspaper notice will be required, the Department will prepare the notice and notify you of the cost. You will be responsible for submitting payment to the Department prior to publication of the notice.

Except as provided under ORS 540.510(3) for municipalities, you may not use water from the new point of appropriation until a final order approving the transfer application has been issued by the Department. In order to avoid any possible forfeiture of the water right, you should continue to use the water as described by your existing water right.

If the land is sold before the application is approved, the buyer's consent to the application will be required unless a recorded deed or other legal document clearly established that the water right was not conveyed in the sale.

Refer to the following page for a chart showing the steps and expected timelines for the processing of your application.

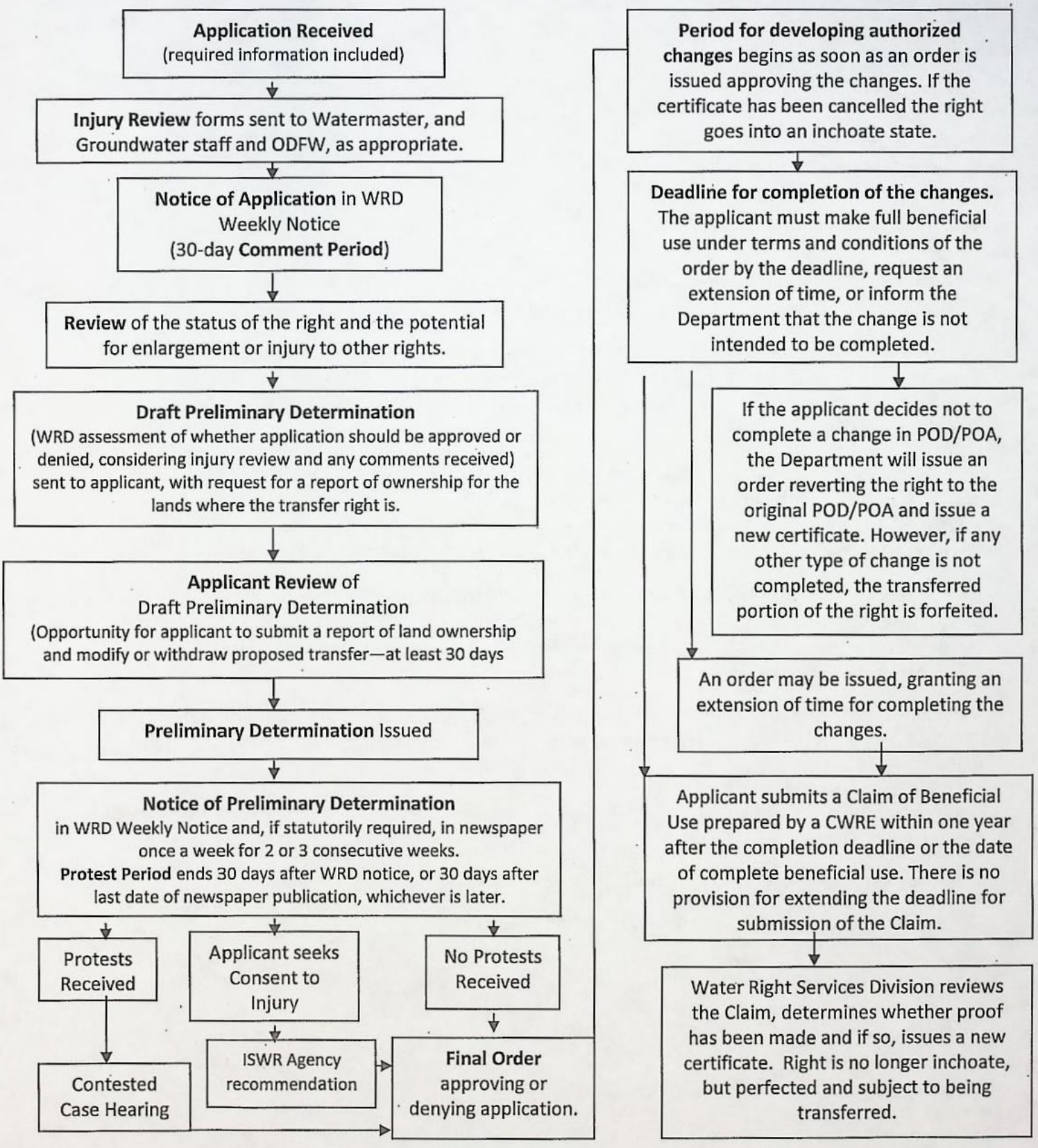
If you have any questions, please contact the Transfer Section at (503) 986-0935.

Cc: Watermaster Dist. #18, Jacob W. Constans *(via email)*
Bob Long, Agent

Enclosure

Regular Transfer Process (including "Proving Up" on the changes)

OAR 690 Division 380



CwM-H2O
Complete Water Management

311 B Avenue, Suite P
Lake Oswego, Oregon 97034
(503) 954-1326

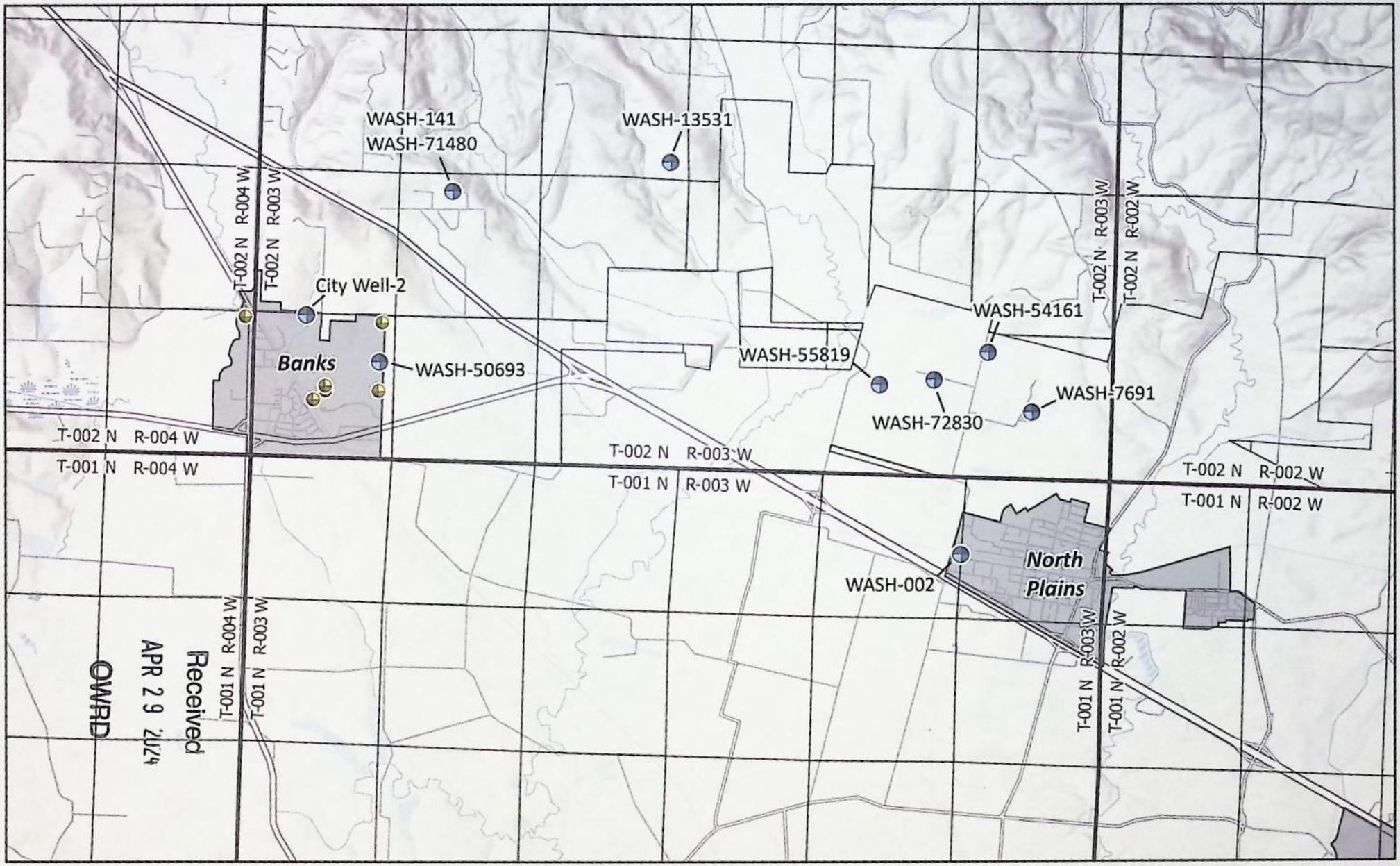
Figure 1
Permanent Transfer Map
Certificate 95849 - City of Banks

No.	Date	By	Revisions
1	DATE	AUTH	DRAFT

N 0 500 1,000 2,000 ft
Scale: 1" = 1,320'

Proj#: 1501007
Banks Eastside
City of Banks
13680 NW Main Street
Banks, OR 97106

14450 -



Received
APR 29 2024
OWRD

CwM-H2O
Complete Water Management

1319 SE MLK Jr. Blvd, Suite 204
Portland, Oregon 97214
(503) 954-1326

Figure 1
Vicinity Map

No.	Date	By	Revisions
1	DATE	AUTH	DRAFT

Proj#: 1501009
City of Banks Hydrogeology

City of Banks
13680 NW Main Street
Banks, OR 97106

14450 -

Application for
Permanent Water Right Transfer

Part 1 of 5 – Minimum Requirements Checklist

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

This transfer application will be returned if Parts 1 through 5 and all required attachments are not completed and included.
For questions, please call (503) 986-0900, and ask for Transfer Section.

Received
APR 29 2024
OWRD

Check all items included with this application. (N/A = Not Applicable)

- ☒ Part 1 – Completed Minimum Requirements Checklist.
- ☒ Part 2 – Completed Transfer Application Map Checklist.
- ☒ Part 3 – Application Fee, payable by check to the Oregon Water Resources Department, and completed Fee Worksheet, page 3: **$3,890**
- ☒ Part 4 – Completed Applicant Information and Signature.
- ☒ Part 5 – Information about Water Rights to be Transferred: **How many water rights are to be transferred? 1 List them here: Certificate 95849**
  Please include a separate Part 5 for each water right. (See instructions on page 6)
  NOTE: A separate transfer application is required for each water right unless the criteria in OAR 690-380-3220 are met.

Attachments:

- ☒ Completed Transfer Application Map. (**Attachment 1**)
- ☒ Completed Evidence of Use Affidavit and supporting documentation. (**Attachment 2**)
- ☒ ☐ N/A Affidavit(s) of Consent from Landowner(s) (if the applicant does not own the land the water right is on.) (**Attachment 3 – Landowner Consent Forms**)
- ☐ ☒ N/A Supplemental Form D – For water rights served by or issued in the name of an irrigation district. Complete when the transfer applicant is not the irrigation district.
- ☒ ☐ N/A Oregon Water Resources Department's Land Use Information Form with approval and signature from each local land use authority in which water is to be diverted, conveyed, and/or used. Not required if water is to be diverted, conveyed, and/or used only on federal lands or if **all** of the following apply: a) a change in place of use only, b) no structural changes, c) the use of water is for irrigation only, and d) the use is located within an irrigation district or an exclusive farm use zone. (**Attachment 4**)
- ☒ ☐ N/A Water Well Report/Well Log for changes in point(s) of appropriation (well(s)) or additional point(s) of appropriation. (**Attachment 5, Attachment 6 – Basalt Aquifer Memo**)
- ☐ ☒ N/A Geologist Report for a change from a surface water point of diversion to a ground water point of appropriation (well), if the proposed well is more than 500' from the surface water source and more than 1000' upstream or downstream from the point of diversion. See OAR 690-380-2130 for requirements and applicability.

(For Staff Use Only)

WE ARE RETURNING YOUR APPLICATION FOR THE FOLLOWING REASON(S):

___ Application fee not enclosed/insufficient
___ Land Use Form not enclosed or incomplete
___ Additional signature(s) required
___ Map not included or incomplete
___ Evidence of Use Form not enclosed or incomplete
___ Part _____ is incomplete

Other/Explanation _____

Staff: _____ 503- _____ Date: ____/____/____

14450 -

TACS

Part 2 of 5 – Transfer Application Map

Your transfer application will be returned if any of the map requirements listed below are not met.

Please be sure that the transfer application map you submit includes all the required items and matches the existing water right map. Check all boxes that apply.

- ☒ ☐ N/A Certified Water Right Examiner (CWRE) Stamp and Original Signature. For a list of CWREs, see http://apps.wrd.state.or.us/apps/wr/cwre_license_view/. CWRE stamp and signature are not required for substitutions.
- ☐ ☒ N/A If **more than three** water rights are involved, separate maps are needed for each water right.
- ☒ Permanent quality printed with dark ink on good quality paper.
- ☒ The size of the map can be 8½ x 11 inches, 8½ x 14 inches, 11 x 17 inches, or up to 30 x 30 inches. For 30 x 30 inch maps, one extra copy is required.
- ☒ A north arrow, a legend, and scale.
- ☒ The scale of the map must be: 1 inch = 400 feet, 1 inch = 1,320 feet, the scale of the Final Proof/Claim of Beneficial Use Map (the map used when the permit was certificated), the scale of the county assessor map if the scale is not smaller than 1 inch = 1,320 feet, or a scale that has been pre-approved by the Department.
- ☒ Township, Range, Section, ¼ ¼, DLC, Government Lot, and other recognized public land survey lines.
- ☒ Tax lot boundaries (property lines) are required. Tax lot numbers are recommended.
- ☒ Major physical features including rivers and creeks showing direction of flow, lakes and reservoirs, roads, and railroads.
- ☒ Major water delivery system features from the point(s) of diversion/appropriation such as main pipelines, canals, and ditches.
- ☒ Existing place of use that includes separate hachuring for each water right, priority date, and use including number of acres in each quarter-quarter section, government lot, or in each quarter-quarter section as projected within government lots, donation land claims, or other recognized public land survey subdivisions. If less than the entirety of the water right is being changed, a separate hachuring is needed for lands left unchanged.
- ☒ ☐ N/A Proposed place of use that includes separate hachuring for each water right, priority date, and use including number of acres in each quarter-quarter section, government lot, or in each quarter-quarter section as projected within government lots, donation land claims, or other recognized public land survey subdivisions.
- ☒ Existing point(s) of diversion or well(s) with distance and bearing or coordinates from a recognized survey corner. This information can be found in your water right certificate or permit.
- ☒ ☐ N/A If you are proposing a change in point(s) of diversion or well(s), show the proposed location and label it clearly with distance and bearing or coordinates. If GPS coordinates are used, latitude-longitude coordinates may be expressed as either degrees-minutes-seconds with at least one digit after the decimal (example – 42°32'15.5") or degrees-decimal with five or more digits after the decimal (example – 42.53764°).

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FEE WORKSHEET for PERMANENT TRANSFER (except Substitution)			
1	Base Fee (includes one type of change to one water right for up to 1 cfs)	*1*	$1,360
2	Types of change proposed: ☐ Place of Use ☐ Character of Use ☒ Point of Diversion/Appropriation Number of above boxes checked = 1 (2a) Subtract 1 from the number in line 2a = 0 (2b) *If only one change, this will be 0* Multiply line 2b by $1090 and enter »	*2*	0
3	Number of water rights included in transfer 1 (3a) Subtract 1 from the number in 3a above: 0 (3b) *If only one water right this will be 0* Multiply line 3b by $610 and enter »	*3*	0
4	Do you propose to add or change a well, or change from a surface water POD to a well? ☐ No: enter 0 ☒ Yes: enter $480 for the 1st well to be added or changed $480 (4a) Do you propose to add or change additional wells? ☐ No: enter 0 ☒ Yes: multiply the number of additional wells by $410 $2,050 (4b) Add line 4a to line 4b and enter » » » » » » » » » » » » » »	*4*	$2,530
5	Do you propose to change the place of use or character of use? ☒ No: enter 0 on line 5 ☐ Yes: enter the cfs for the portions of the rights to be transferred (see below*): _____ (5a) Subtract 1.0 from the number in 5a above: _____ (5b) If 5b is 0 or less, enter 0 on line 5 » » » » » » » » » » » » » » If 5b is greater than 0, round up to the nearest whole number: _____ (5c) and multiply 5c by $410, then enter on line 5 »	*5*	0
6	Add entries on lines 1 through 5 above » » » » » » » » » Subtotal:	*6*	$2,530
7	Is this transfer: ☐ necessary to complete a project funded by the Oregon Watershed Enhancement Board (OWEB) under ORS 541.932? ☐ endorsed in writing by ODFW as a change that will result in a net benefit to fish and wildlife habitat? If one or more boxes is checked, multiply line 6 by 0.5 and enter on line 7 » If no box is applicable, enter 0 on line 7 » » » » » » » » » » » » » » » » » »	*7*	0
8	Subtract line 7 from line 6 » » » » » » » » » » » » » » » » » » **Transfer Fee:**	*8*	**$3,890**

*Example for Line 5a calculation to transfer 45.0 acres of Primary Certificate 12345 (total 1.25 cfs for 100 acres) and 45.0 acres of Supplemental Certificate 87654 (1/80 cfs per acre) on the same land:

1. For irrigation calculate cfs for each water right involved as follows:
   a. Divide total authorized cfs by total acres in the water right *(for C12345, 1.25 cfs ÷100 ac)*; then multiply by the number of acres to be transferred to get the transfer cfs *(x 45 ac= 0.56 cfs)*.
   b. If the water right certificate does not list total cfs, but identifies the allowable use as 1/40 or 1/80 of a cfs per acre; multiply number of acres proposed for change by either 0.025 (1/40) or 0.0125 (1/80). *(For C87654, 45.0 ac x 0.0125 cfs/ac = 0.56 cfs)*
2. Add cfs for the portions of water rights on all the land included in the transfer; however **do not count cfs for supplemental rights on acreage for which you have already caiculated the cfs fee for the primary right on the same land.** The fee should be assessed only once for each "on the ground" acre included in the transfer. *(In this example, blank 5a would be only 0.56 cfs, since both rights serve the same 45.0 acres. Blank 5b would be 0 and Line 5 would then also become 0).*

FEE WORKSHEET for SUBSTITUTION			
1	Base Fee (includes change to one well)	*1*	$990.00
2	Number of wells included in substitution _____ (2a) Subtract 1 from the number in 2a above: _____ (2b) *If only one well this will be 0* Multiply line 2b by $480 and enter » » » » » » » » » » » »	*2*	
3	Add entries on lines 1 through 2 above » » » » » **Fee for Substitution:**	*3*	

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Part 4 of 5 – Applicant Information and Signature

Applicant Information

APPLICANT/BUSINESS NAME			PHONE NO.	ADDITIONAL CONTACT NO.
City of Banks (Jolynn Becker, *City Manager*)				
ADDRESS **13680 NW Main Street**				FAX NO.
CITY **Banks**	STATE **OR**	ZIP **97106**	E-MAIL **jbecker@cityofbanks.org**	
BY PROVIDING AN E-MAIL ADDRESS, CONSENT IS GIVEN TO RECEIVE ALL CORRESPONDENCE FROM THE DEPARTMENT ELECTRONICALLY. COPIES OF THE FINAL ORDER DOCUMENTS WILL ALSO BE MAILED.				

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

AGENT/BUSINESS NAME			PHONE NO.	ADDITIONAL CONTACT NO.
Bob Long, *(CWRE, RG, RHG)* **CwM-H2O, LLC**			**503-954-1626**	
ADDRESS **311 B Ave, Suite P**				FAX NO.
CITY **Lake Oswego**	STATE **OR**	ZIP **97034**	E-MAIL **bob.long@cwmh2o.com**	
BY PROVIDING AN E-MAIL ADDRESS, CONSENT IS GIVEN TO RECEIVE ALL CORRESPONDENCE FROM THE DEPARTMENT ELECTRONICALLY. COPIES OF THE FINAL ORDER DOCUMENTS WILL ALSO BE MAILED.				

Explain in your own words what you propose to accomplish with this transfer application, and why:

City of Banks Certificate 95849 currently has only one approved point of appropriation (POA), Well-2. The purpose of this transfer application is to add additional POA locations to the Well-2 water right. Having multiple wells under Certificate 95849 will allow the City to optimize production under this right and limit peak summertime drawdowns in the basalt aquifer due to production from a single POA (Well-2) by distributing more moderate production across a multi-well system. The City also desires to implement an Aquifer Storage and Recovery (ASR) program to further protect the groundwater resource while developing additional peak-season supply capacity. This ASR program will require additional wells for injection and recovery.

This transfer application includes 6 additional POA locations. The City intends to develop between 1 and 3 new wells on Certificate 95849, though the precise locations are not yet known. Adding the 6 proposed locations will give the City the flexibility to move forward with well construction planning and negotiations with landowners at the selected sites. The proposed POAs are located on property not owned by the City. The City is currently in negotiations to purchase the land at one of the proposed locations (WTP). Landowner consent has been granted for the City to develop the remaining five proposed well locations, as documented in the attached consent forms.

Check One Box

☐ By signing this application, I understand that, upon receipt of the draft preliminary determination and prior to Department approval of the transfer, I will be required to provide landownership information and evidence that I am authorized to pursue the transfer as identified in OAR 690-380-4010(5); **OR**

☒ I affirm the applicant is a municipality as defined in ORS 540.510(3)(b) and that the right is in the name of the municipality or a predecessor; **OR**

☐ I affirm the applicant is an entity with the authority to condemn property and is acquiring by condemnation the property to which the water right proposed for transfer is appurtenant and have supporting documentation.

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By my signature below, I confirm that I understand:

- Prior to Department approval of the transfer application, I may be required to submit payment to the Department for publication of a notice in a newspaper with general circulation in the area where the water right is located, once per week for two consecutive weeks. If more than one qualifying newspaper is available, I suggest publishing the notice in the following newspaper: Hillsboro News-Times.
- Amendments to the application may only be made in response to the Department's Draft Preliminary Determination (DPD). The applicant will have a period of at least 30 days to amend the application to address any issues identified by the Department in the DPD, or to withdraw the application. Note that amendments may be subject to additional fees, pursuant to ORS 536.050.
- Failure to complete an approved change in place of use and/or change in character of use, will result in loss of the water right (OAR 690-380-6010).
- Refunds may only be granted upon request and, as set forth in ORS 536.050(4)(a), if the Director determines that a refund of all or part of a fee is appropriate in the interests of fairness to the public or necessary to correct an error of the Department.

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

Applicant Signature

JoLynn Becker 4-10-24
Print Name (and Title if applicable) Date
City Manager

Is the applicant the sole owner of the land on which the water right, or portion thereof, proposed for transfer is located? ☐ Yes ☒ No*

If NO, include signatures of all deeded landowners (and mailing and/or e-mail addresses if different than the applicant's) or attach **affidavits of consent (Attachment 3) (and mailing and/or e-mail addresses) from all landowners or individuals/entities to which the water right(s) were conveyed.*

Check the following boxes that apply:

☒ The applicant is responsible for completion of change(s). Notices and correspondence should continue to be sent to the applicant.

☐ The receiving landowner will be responsible for completing the proposed change(s) after the final order is issued. Copies of notices and correspondence should be sent to this landowner.

☐ Both the receiving landowner and applicant will be responsible for completion of change(s). Copies of notices and correspondence should be sent to this landowner and the applicant.

At this time, are the lands in this transfer application in the process of being sold? ☒ Yes ☐ No

If YES, and you know who the new landowner will be, please complete the receiving landowner information table below. If you do not know who the new landowner will be, then a request for assignment will have to be filed for at a later date.

If a property sells, the certificated water right(s) located on the land belong to the new owner, unless a sale agreement or other document states otherwise.

RECEIVING LANDOWNER NAME			PHONE NO.	ADDITIONAL CONTACT NO.
ADDRESS				FAX NO.
CITY	STATE	ZIP	E-MAIL	
Describe any special ownership circumstances:				
The confirming Certificate shall be issued in the name of: ☐ Applicant ☐ Receiving Landowner				

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☐ Check here if any of the water rights proposed for transfer are or will be located within or served by an irrigation or other water district. (**Tip: Complete and attach Supplemental Form D.**)

IRRIGATION DISTRICT NAME	ADDRESS	
CITY	STATE	ZIP

☐ Check here if water for any of the rights supplied under a water service agreement or other contract for stored water with a federal agency or other entity.

ENTITY NAME	ADDRESS	
CITY	STATE	ZIP

To meet State Land Use Consistency Requirements, you must list all county, city, municipal corporation, or tribal governments within whose jurisdiction water will be diverted, conveyed or used.

ENTITY NAME **City of Banks**	ADDRESS **13680 NW Main Street**	
CITY **Banks**	STATE **OR**	ZIP **97106**

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CERTIFICATE # 95849

Part 5 of 5 – Water Right Information

Description of Water Delivery System

System capacity: **Approximately 540 gallons per minute** (based on Banks' 2022 WSMP)

Describe the current water delivery system or the system that was in place at some time within the last five years. Include information on the pumps, canals, pipelines, and sprinklers used to divert, convey, and apply the water at the authorized place of use.

**The City's water system production capacity is estimated at about 540 gpm, though its conveyance system can accommodate much more than that. Well-2 is currently outfitted with a submersible pump and motor system capable of producing the full water right rate of 1.0 cfs (448 gpm) under the current water system configuration (pumping to the Carsten Reservoirs). Based on the City's historic MDD, maximum consumption rates likely exceed 600 gpm for short periods, though the City's distribution system has the capacity to convey an even higher rate. The additional wells proposed in this transfer will not increase the overall rate of production, but will instead distribute the current rate of production across the distribution system and allow the City to optimize overall annual production volume.*

Table 1. Location of Authorized and Proposed Point(s) of Diversion (POD) or Appropriation (POA)
(Note: If the POD/POA name is not specified on the certificate, assign it a name or number here.)

POD/POA Name or Number	Is this POD/POA Authorized or Proposed?	If POA, OWRD Well Log ID#	Twp		Rng		Sec	¼	¼	Tax Lot, DLC, Gov't Lot	Measured Distances (from a recognized survey corner)
Well-2 (Behrman 2)	☒ Authorized ☐ Proposed	**WASH-62373**	**2**	**N**	**3**	**W**	**31**	**NE**	**NW**	**0402**	120 ft S & 2,070 ft E of the NW Corner Sec 31
AN (Aerts Rd North)	☐ Authorized ☒ Proposed	*PROPOSED*	2	N	3	W	31	NE	NE	0100	275 ft S & 475 ft W of the NE Corner Sec 31
AS (Aerts Rd South)	☐ Authorized ☒ Proposed	*PROPOSED*	2	N	3	W	31	NE	SE	0100	2,500 ft N & 565 ft W of the SE Corner Sec 31
Park-A (Park Primary)	☐ Authorized ☒ Proposed	*PROPOSED*	2	N	3	W	31	NE	SW	0600	2,120 ft N & 2,970 ft W of the SE Corner Sec 31
Park-B (Park Alternative)	☐ Authorized ☒ Proposed	*PROPOSED*	2	N	3	W	31	NW	SE	0100	2,460 ft N & 2,520 ft W of the SE Corner Sec 31
Park-C (Park Alternative)	☐ Authorized ☒ Proposed	*PROPOSED*	2	N	3	W	31	NW	SE	0400	2,630 ft N & 2,540 ft W of the SE Corner Sec 31
WTP (Water Treatment Plant)	☐ Authorized ☒ Proposed	*PROPOSED*	2	N	4	W	36	NE	NE	0600	175 ft S & 335 ft W of the NW Corner Sec 31

Check all type(s) of change(s) proposed below (change "CODES" are provided in parentheses):

- ☐ Place of Use (POU)
- ☐ Character of Use (USE)
- ☐ Point of Diversion (POD)
- ☐ Additional Point of Diversion (APOD)
- ☐ Surface Water POD to Ground Water POA (SW/GW)
- ☐ Supplemental Use to Primary Use (S to P)
- ☐ Point of Appropriation/Well (POA)
- ☒ Additional Point of Appropriation (APOA)
- ☐ Substitution (SUB)
- ☐ Government Action POD (GOV)

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Will all of the proposed changes affect the entire water right?

☒ Yes Complete only the Proposed ("to" or "on" lands) section of Table 2 on the next page. Use the "CODES" listed above to describe the proposed changes.

☐ No Complete all of Table 2 to describe the portion of the water right to be changed.

Please use and attach additional pages of Table 2 as needed.
See page 6 for instructions.

Do you have questions about how to fill-out the tables?
Contact the Department at 503-986-0900 and ask for Transfer Staff.

Table 2. Description of Changes to Water Right Certificate # 95849

List the change proposed for the acreage in each ¼ ¼. If more than one change is proposed, specify the acreage associated with each change.
If there is more than one POD/POA involved in the proposed changes, specify the acreage associated with each POD/POA.

AUTHORIZED (the "from" or "off" lands) The listing that appears on the certificate BEFORE PROPOSED CHANGES. List only that part or portion of the water right that will be changed.									Proposed Changes (see "CODES" from previous page)	PROPOSED (the "to" or "on" lands) The listing as it would appear AFTER PROPOSED CHANGES are made.								
Twp	Rng	Sec	¼ ¼	Tax Lot	Gvt Lot or DLC	Acres (if applicable)	POD(s) or POA(s) (name or number from Table 1)	Priority Date		Twp	Rng	Sec	¼ ¼	Tax Lot	Gvt Lot or DLC	Acres	POD(s) or POA(s) to be used (from Table 1)	Priority Date
									APOA	The City of Banks Municipal Service Area							WELL-2	12/5/2002
																	AN	
																	AS	
																	PARK-A	
																	PARK-B	
																	PARK-C	
																	WTP	
TOTAL ACRES										TOTAL ACRES						N/A		

Additional remarks: *The proposed changes effect the entire water right. The place of use for Certificate 95849 is the City's municipal service area.*

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Certificate # 95849

For Place of Use or Character of Use Changes

Are there other water right certificates, water use permits or ground water registrations associated with the "from" or the "to" lands? ☐ Yes ☒ No

If YES, list the certificate, water use permit, or ground water registration numbers: N/A

Pursuant to ORS 540.510, any "layered" water use such as an irrigation right that is supplemental to a primary right proposed for transfer must be included in the transfer or be cancelled. Any change to a ground water registration must be filed separately in a ground water registration modification application.

~~**For Substitution** (ground water supplemental irrigation will be substituted for surface water primary irrigation)~~

~~Ground water supplemental Permit or Certificate #_____;~~
~~Surface water primary Certificate #_____.~~

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~~**For a change from Supplemental Irrigation Use to Primary Irrigation Use**~~

~~Identify the primary certificate to be cancelled. Certificate #_____~~

For a change in point(s) of appropriation (well(s)) or additional point(s) of appropriation:

☒ Well log(s) are attached for each authorized and proposed well(s) that are clearly labeled and associated with the corresponding well(s) in Table 1 above and on the accompanying application map.
Well-2 Well Log Attached, see **Attachment 6 – Basalt Aquifer Memo**

AND/OR

☒ Describe the construction of the authorized and proposed well(s) in Table 3 for any wells that do not have a well log. For *proposed wells not yet constructed or built*, provide "a best estimate" for each requested information element in the table. The Department recommends you consult a licensed well driller, geologist, or certified water right examiner to assist with assembling the information necessary to complete Table 3.

Table 3. Construction of Point(s) of Appropriation

Any well(s) in this listing must be clearly tied to corresponding well(s) described in Table 1 and shown on the accompanying application map. Failure to provide the information will delay the processing of your transfer application until it is received. The information is necessary for the department to assess whether the proposed well(s) will access the same source aquifer as the authorized point(s) of appropriation (POA). The Department is prohibited by law from approving POA changes that do not access the same source aquifer.

Proposed or Authorized POA Name	Is well already built?	If an existing well, OWRD Well ID Tag No. L-____	Total well depth	Casing Diam.	Casing Intervals (feet)	Seal depth(s)	Perforated or screened intervals	Static water level	Source aquifer	Well - specific rate (cfs or gpm).
WELL-2	YES	WASH-62373	665 ft	12"	0-300 ft	0-300 ft	Open-hole to 665 ft	34.4 ft bgs*	CRBG	1.0 CFS
AN	NO	-	650-750 ft	12"	Wells will be cased and sealed from the surface to approx. 200-250 ft (depending on conditions encountered in the field)		Open-hole to depth of ~650-750 ft	~30-50 ft	CRBG	1.0 CFS
AS	NO	-								
PARK-A	NO	-								
PARK-B	NO	-								
PARK-C	NO	-								
WTP	NO	-								

**Depth measurement collected on April 7, 2023.*

**Well construction parameters are estimated based on Well-2's design. Some variability is expected between locations due to surface elevation, dip of basalt strata locally and regionally, and other subsurface conditions.*

ATTACHMENT 2
Application for Water Right
Transfer
Evidence of Use Affidavit

OREGON WATER RESOURCES DEPARTMENT
Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301-1266
(503) 986-0900
www.wrd.state.or.us

Please print legibly or type. Be as specific as possible. Attach additional pages if you need more spacing. Supporting documentation must be attached.

State of Oregon)
) ss
County of WASHINGTON)

I, JOLYNN BECKER, in my capacity as CITY MANAGER OF THE CITY OF BANKS,

mailing address 13680 NW MAIN STREET, BANKS, OR 97106

telephone number (503) 324-6674, being first duly sworn depose and say:

1. My knowledge of the exercise or status of the water right is based on (check one):
   ☐ Personal observation ☒ Professional expertise

2. I attest that:
   ☒ Water was used during the previous five years on the **entire** place of use for Certificates # 95849; **OR**

   ☐ My knowledge is specific to the use of water at the following locations within the last five years:

Certificate #	Township		Range		Mer	Sec	¼ ¼	Gov't Lot or DLC	Acres (if applicable)

OR

☒ Confirming Certificate # 95849 has been issued within the past five years (issued 8/6/2021); **OR**

☐ Part or all of the water right was leased instream at some time within the last five years. The instream lease number is: _____ (Note: If the entire right proposed for transfer was not leased, additional evidence of use is needed for the portion not leased instream.); **OR**

☐ The water right is not subject to forfeiture and documentation that a presumption of forfeiture for non-use would be rebutted under ORS 540.610(2) is attached.

☐ Water has been used at the actual current point of diversion or appropriation for more than 10 years for Certificate # _____(For Historic POD/POA Transfers)

(continues on reverse side)

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3. The water right was used for: (e.g., crops, pasture, etc.): _____

4. I understand that if I do not attach one or more of the documents shown in the table below to support the above statements, my application will be considered incomplete.

Glenn Beck
Signature of Affiant

4-10-24
Date

Signed and sworn to (or affirmed) before me this 10th day of April, 2024.

OFFICIAL STAMP
ANGELA GAYLE LANTER
NOTARY PUBLIC - OREGON
COMMISSION NO. 1016725
MY COMMISSION EXPIRES SEPTEMBER 26, 2025

Angela G Lanter
Notary Public for Oregon

My Commission Expires: September 26, 2025

Supporting Documents	Examples
☒ Copy of a water right certificate that has been issued within the last five years. (not a remaining right certificate)	Copy of **confirming** water right certificate that shows issue date
☐ Copies of receipts from sales of irrigated crops or for expenditures related to use of water	• Power usage records for pumps associated with irrigation use • Fertilizer or seed bills related to irrigated crops • Farmers Co-op sales receipt
☒ Records such as FSA crop reports, irrigation district records, NRCS farm management plan, or records of other water suppliers	• District assessment records for water delivered/produced • Crop reports submitted under a federal loan agreement • Beneficial use reports from district • IRS Farm Usage Deduction Report • Agricultural Stabilization Plan • CREP Report
☐ Aerial photos containing sufficient detail to establish location and date of photograph	Multiple photos can be submitted to resolve different areas of a water right. If the photograph does not print with a "date stamp" or without the source being identified, the date of the photograph and source should be added. Sources for aerial photos: OSU –www.oregonexplorer.info/imagery OWRD – www.wrd.state.or.us Google Earth – earth.google.com TerraServer – www.terraserver.com
☐ Approved Lease establishing beneficial use within the last 5 years	Copy of instream lease or lease number

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STATE OF OREGON

COUNTY OF WASHINGTON

CERTIFICATE OF WATER RIGHT

THIS CERTIFICATE ISSUED TO

CITY OF BANKS
13680 NW MAIN ST
BANKS OR 97106

confirms the right to the use of water perfected under the terms of Permit G-16312. The amount of water used to which this right is entitled is limited to the amount used beneficially, and shall not exceed the amount specified, or its equivalent in the case of rotation, measured at the point of diversion from the source. The specific limits and conditions of the use are listed below.

APPLICATION FILE NUMBER: G-15887

SOURCE OF WATER: WELL 2 (WASH 62373) IN WEST FORK DAIRY CREEK BASIN

PURPOSE OR USE: MUNICIPAL USE

MAXIMUM RATE: 1.0 CUBIC FOOT PER SECOND

PERIOD OF USE: YEAR ROUND

DATE OF PRIORITY: DECEMBER 5, 2002

WELL LOCATION:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
2 N	3 W	WM	31	NE NW	WELL 2 (WASH 62373) - 120 FEET SOUTH AND 2070 FEET EAST FROM NW CORNER, SECTION 31

THE PLACE OF USE IS LOCATED AS FOLLOWS:

WITHIN THE SERVICE BOUNDARY OF THE CITY OF BANKS

Measurement, recording and reporting conditions:

A. The water user shall maintain the totalizing flow meter or other suitable measuring device approved by the Director in good working order at each point of appropriation. The water user shall keep a complete record of the amount of water used each month, and shall submit an annual report which includes the recorded water use measurements to the Department by December 1 of each year. Further, the Director may require the water user to report general water-use information, including the place and nature of use of water under the right.

NOTICE OF RIGHT TO PETITION FOR RECONSIDERATION OR JUDICIAL REVIEW

This is an order in other than a contested case. This order is subject to judicial review under ORS 183.484 and ORS 536.075. Any petition for judicial review must be filed within the 60-day time period specified by ORS 183.484(2). Pursuant to ORS 183.484, ORS 536.075 and OAR 137-004-0080, you may petition for judicial review and petition the Director for reconsideration of this order. A petition for reconsideration may be granted or denied by the Director, and if no action is taken within 60 days following the date the petition was filed, the petition shall be deemed denied. In addition, under ORS 537.260 any person with an application, permit or water right certificate subsequent in priority may jointly or severally contest the issuance of the certificate within three months after issuance of the certificate.

B. The water user shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

(1) Use of water from the well, as allowed herein, shall be controlled or shut off if the well displays:

(a) An average water level decline of three or more feet per year for five consecutive years; or

(b) A total water level decline of fifteen or more feet; or

(c) A hydraulic interference decline of fifteen or more feet in any neighboring well providing water for senior exempt uses or wells covered by prior rights.

(2) The water user shall be responsible for complying with each of the following requirements for measuring water levels in the well.

(a) A water level measurement shall be made each year during the period March 1 through March 31.

(b) All water level measurements shall be made by a qualified individual. Qualified individuals are certified water rights examiners, registered geologists, registered professional engineers, licensed land surveyors, licensed water well constructor, licensed pump installer, or the water user/appropriator.

(c) Any qualified individual measuring a well shall use standard methods of procedure and equipment designed for the purpose of well measurement. The equipment used shall be well suited to the conditions of construction at the well. A list of standard methods of procedure and suitable equipment shall be available from the Department.

(d) The water user shall submit a record of the measurement to the Department on a form available from the Department. The record of measurement shall include both measurements and calculations, shall include a certification as to their accuracy signed by the individual making the measurements, and shall be submitted to the Department within 90 days from the date of measurement. The Department shall determine when any of the declines cited in section (1) are evidenced by the well measurement required in section (2).

Failure to comply with any of the provisions of this right may result in action including, but not limited to, restrictions on the use, civil penalties, or cancellation of the right.

If substantial interference with a senior water right occurs due to withdrawal of water from any well listed on this right, then use of water from the well(s) shall be discontinued or reduced and/or the schedule of withdrawal shall be regulated until or unless the Department approves or implements an alternative administrative action to mitigate the interference. The Department encourages junior and senior appropriators to jointly develop plans to mitigate interferences.

The well(s) shall be maintained in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works shall be equipped with a usable access port, and may also include an air line and pressure gauge adequate to determine the water level elevation in the well at all times.

Where two or more water users agree among themselves as to the manner of rotation in the use of water and such agreement is placed in writing and filed by such water users with the watermaster, and such rotation system does not infringe upon such prior rights of any water user not a party to such rotation plan, the watermaster shall distribute the water according to such agreement.

The Director may require water level or pump test results every ten years.

This right is for the beneficial use of water without waste. The water user is advised that new regulations may require the use of best practical technologies or conservation practices to achieve this end.

By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

The use of water shall be limited when it interferes with any prior surface or ground water rights.

This right does not allow unauthorized inundation of property not under the ownership of the water user.

The right to the use of the water for the above purpose is restricted to beneficial use on the lands or place of use described; however, water may be applied to lands which are not specifically described above, provided the holder of this right complies with ORS 540.510(3).

Issued AUG 0 6 2021.

Dwight French
Water Right Services Division Administrator, for
Thomas M. Byler, Director
Oregon Water Resources Department

Received
APR 2 9 2024
OWRD

14450 -

Water Use Report Based on Water Right

excel
text

Cert:95849 OR *

CITY OF BANKS 13680 NW MAIN ST BANKS, OR 97106

Records per page: 10 View All

Acre-feet (AF) of Water Used

Water Year*	Report ID	Facility	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total Water Used	Irrigated Acres
2023	62979	WELL 2 (WASH 62373/L-75346)	3.62	1.53	0.30	0.44	1.91	0.18	0.00	2.41	3.82	4.83	6.90	5.90	31.85	
2022	62979	WELL 2 (WASH 62373/L-75346)	1.12	1.99	0.56	1.72	0.70	0.32	3.76	0.70	5.40	9.16	6.64	1.07	33.14	
2021	62979	WELL 2 (WASH 62373/L-75346)	7.46	9.78	7.57	7.24	6.18	6.09	7.52	10.82	11.25	13.63	13.16	10.95	111.66	
2020	62979	WELL 2 (WASH 62373/L-75346)	5.71	5.29	6.03	6.27	6.87	7.02	5.70	7.62	12.01	17.62	20.33	12.86	113.33	
2019	62979	WELL 2 (WASH 62373/L-75346)	3.76	3.40	3.79	5.42	6.95	4.00	2.83	7.45	8.99	13.35	13.53	8.20	81.68	
2018	62979	WELL 2 (WASH 62373/L-75346)	2.67	4.55	2.95	1.00	2.85	4.07	4.05	10.99	7.75	6.26	8.72	5.34	61.19	
2017	62979	WELL 2 (WASH 62373/L-75346)	0.00	2.08	6.20	7.31	5.94	5.40	6.70	8.76	14.68	12.23	12.79	9.13	91.22	
2016	62979	WELL 2 (WASH 62373/L-75346)	10.97	10.66	6.45	3.67	2.20	1.13	0.50	3.43	6.06	8.79	8.44	3.73	66.02	
2015	62979	WELL 2 (WASH 62373/L-75346)	12.01	12.93	11.23	11.98	10.75	10.75	7.31	7.15	16.71	21.42	18.73	13.24	154.22	
2014	62979	WELL 2 (WASH 62373/L-75346)	13.66	15.17	16.51	13.82	12.93	14.01	11.21	14.95	16.86	21.77	22.53	17.70	191.11	

1 2

*The water year is named for the calendar year in which it ends. Example: the 2018 water year begins Oct. 1, 2017 and ends Sep. 30, 2018.

- The Water Resources Department makes reasonable efforts to screen the data for quality control; however, the Department cannot accept responsibility for errors, omissions, or accuracy of the information. Notification of any errors is appreciated. Send notifications to owrd.waterusereporting@water.oregon.gov or call 971-345-7489.
- Water use is reported by point of diversion (POD), rather than by water right.
- If a POD is shared with multiple water rights, it is not feasible to separate out the amount used under the water right being queried from water used by other rights using this same POD.
- Monthly amounts indicate:
  - For diverted rights, the total amount diverted during the month;
  - For storage rights, the amount generally stored in the reservoir/pond during the month, as represented by the volume of water impounded on approximately the same day each month.
- Water use amounts have all been converted to "acre-feet" (AF), regardless of the original measurement unit reported. One AF is the volume of water that will cover an acre of ground one foot deep = 325,850 gallons.
- Zeroes indicate that a report was received stating that no water was used during those months; if a year is not listed, no report of water use was received for that year.

14450 -

ATTACHMENT 3

Application for

Water Right Transfer

Well-2

OREGON WATER RESOURCES DEPARTMENT
Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301-1266
(503) 986-0900
www.wrd.state.or.us

Consent by Deeded Landowner

State of Oregon)
)ss
County of WASHINGTON)

I Doug Hixson in my/our capacity as Owner of the land containing three proposed POAs,

mailing address 12565 NW AERTS RD BANKS OR 97106,

telephone number 503-324-4444, duly sworn depose and say that I/We

consent to the proposed change(s) to Water Right Certificate Number Cert. 95849

described in a Water Right Transfer Application (T- Not yet assigned),
(transfer number, if known)

submitted by The City of Banks, Jolynn Becker, *City Manager*

on the property in tax lot number(s) 2N331D000100 (TL 0100),

Section 31 NWSE/NESE Township 2N North/South Range 3W East/West, W.M.

located at along Aerts Rd (AS-1) and in two locations in a proposed park area (Park-1B and Park-1C)
(site address)

Doug Hixson
Signature of Affiant

3/6/2024
Date

Signature of Affiant

Date

Subscribed and Sworn to before me this 6 day of March, 2024.

Notary Public for Oregon

OFFICIAL STAMP
MADISON MARIE ROSS
NOTARY PUBLIC - OREGON
COMMISSION NO. 1045431
MY COMMISSION EXPIRES FEBRUARY 20, 2028

My commission expires 2·20·28.

Received
APR 29 2024
OWRD

Revised 7/1/2021

14450 -

Well-2

Application for
Water Right Transfer

OREGON WATER RESOURCES DEPARTMENT
Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301-1266
(503) 986-0900
www.wrd.state.or.us

Consent by Deeded Landowner

State of Oregon)
)ss
County of WASHINGTON)

I Doug Hixson in my/our capacity as Owner of the land containing a proposed POAs,

mailing address 12565 NW AERTS RD BANKS OR 97106,

telephone number 503-324-4444, duly sworn depose and say that I/We

consent to the proposed change(s) to Water Right Certificate Number Cert. 95849

described in a Water Right Transfer Application (T- Not yet assigned),
(transfer number, if known)

submitted by The City of Banks, Jolynn Becker, *City Manager*

on the property in tax lot number(s) 2N331CA06900 (TL 6900),

Section 31 NESW Township 2N North/South Range 3W East/West, W.M.

located at in a proposed park area (Park-1A)
(site address)

Doug Hixson
Signature of Affiant

3/6/2024
Date

Signature of Affiant

Date

Subscribed and Sworn to before me this 6 day of March, 2024.

Notary Public for Oregon

OFFICIAL STAMP
MADISON MARIE ROSS
NOTARY PUBLIC - OREGON
COMMISSION NO. 1045431
MY COMMISSION EXPIRES FEBRUARY 20, 2028

My commission expires 2·20·28.

Received
APR 29 2024
OWRD

Revised 7/1/2021

14450 -

Well-2

Application for
Water Right Transfer

OREGON WATER RESOURCES DEPARTMENT
Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301-1266
(503) 986-0900
www.wrd.state.or.us

Consent by Deeded Landowner

State of Oregon)
)ss
County of WASHINGTON)

I Doug Hixson in my/our capacity as Owner of the land containing a proposed POA,

mailing address 12565 NW AERTS RD BANKS OR 97106,

telephone number 503-324-4444, duly sworn depose and say that I/We

consent to the proposed change(s) to Water Right Certificate Number Cert. 95849

described in a Water Right Transfer Application (T- Not yet assigned),
(transfer number, if known)

submitted by The City of Banks, Jolynn Becker, *City Manager*

on the property in tax lot number(s) 2N3310000100 (TL 0100),

Section 31 NENE Township 2N North/South Range 3W East/West, W.M.

located at near the intersection of Banks Rd and Aerts Rd (AN-2)
(site address)

Doug Hixson
Signature of Affiant

3/6/2024
Date

Signature of Affiant

Date

Subscribed and Sworn to before me this 6 day of March, 2024.

Notary Public for Oregon

OFFICIAL STAMP
MADISON MARIE ROSS
NOTARY PUBLIC - OREGON
COMMISSION NO. 1045431
MY COMMISSION EXPIRES FEBRUARY 20, 2028

My commission expires 2.2.28.

Received
APR 29 2024
OWRD

Revised 7/1/2021

14450 -

Well-2

Application for
Water Right Transfer

Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301-1266
(503) 986-0900
www.wrd.state.or.us

Consent by Deeded Landowner

State of Oregon)
)ss
County of WASHINGTON)

I Robert S. Babosky in my/our capacity as Owner of the land containing a proposed POA,
Manager, Wolverine Financial, LLC
mailing address 6770 SW Canyon Dr. Portland, OR, 97225

telephone number 503 292-8261, duly sworn depose and say that I/We

consent to the proposed change(s) to Water Right Certificate Number Cert. 95849

described in a Water Right Transfer Application (T- Not yet assigned),
(transfer number, if known)

submitted by The City of Banks, Jolynn Becker, *City Manager*

on the property in tax lot number(s) 2N43600 (TL 0600),

Section 36 NENE Township 2N North/South Range 4W East/West, W.M.

located at Southwest of the intersection of N Main Street and NW Cedar Canyon Road (WTP-2)
(site address)

Robert S Babosky
Signature of Affiant

January 9th, 2024
Date

Signature of Affiant

Date

Subscribed and Sworn to before me this 09 day of January, 2024.

OFFICIAL STAMP
ICEZICK LEONARD BATISTE
NOTARY PUBLIC - OREGON
COMMISSION NO. 1031130
MY COMMISSION EXPIRES NOVEMBER 21, 2026

I L Batiste
Notary Public for Oregon

My commission expires 11/21/2026.

Received
APR 29 2024
OWRD

Revised 7/1/2021

14450 -

Well-2

Application for
Water Right Transfer

OREGON WATER RESOURCES DEPARTMENT
Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301-1266
(503) 986-0900
www.wrd.state.or.us

Consent by Deeded Landowner

State of Oregon)
)ss
County of Washington)

I Martin Cropp in my/our capacity as Owner of the land containing a proposed POA,

mailing address 33687 NW Mountaindale Rd, North Plains, OR 97133

telephone number 503-939-3507, duly sworn depose and say that I/We

consent to the proposed change(s) to Water Right Certificate Number Cert. 95849

described in a Water Right Transfer Application (T- Not yet assigned),
(transfer number, if known)

submitted by The City of Banks, Jolynn Becker, *City Manager*

on the property in tax lot number(s) 2N43600 (TL 0600),

Section 36 NENE Township 2N North/South Range 4W East/West, W.M.

located at Southwest of the intersection of N Main Street and NW Cedar Canyon Road (WTP-2)
(site address)

M Cropp
Signature of Affiant

3/5/2024
Date

Signature of Affiant

Date

Subscribed and Sworn to before me this 5th day of March, 2024.

OFFICIAL STAMP
ANGELA GAYLE LANTER
NOTARY PUBLIC - OREGON
COMMISSION NO. 1016725
MY COMMISSION EXPIRES SEPTEMBER 26, 2025

Angela G. Lanter
Notary Public for Oregon

My commission expires September 26, 2025

Revised 7/1/2021

Received
APR 29 2024
OWRD

14450 -

Land Use Information Form

ATTACHMENT 4

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

Washington County LUCS Form

NOTE TO APPLICANTS

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

This form is NOT required if:

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

NOTE TO LOCAL GOVERNMENTS

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

Land Use Information Form

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

Applicant(s): City of Banks (Jolynn Becker, City Manager)

Mailing Address: 13680 NW Main Street

City: Banks State: OR Zip Code: 97106 Daytime Phone: 503-324-5112

A. Land and Location

Please include the following information for all tax lots where water will be diverted (taken from its source), conveyed (transported), and/or used or developed. Applicants for municipal use, or irrigation uses within irrigation districts may substitute existing and proposed service-area boundaries for the tax-lot information requested below.

Township	Range	Section	¼ ¼	Tax Lot #	Plan Designation (e.g., Rural Residential/RR-5)	Water to be:	Proposed Land Use:
2N	3W	31	All		*	☐ Diverted ☒ Conveyed ☒ Used	
		31	NE NW	0402		☒ Diverted ☐ Conveyed ☐ Used	
		31	NE NE	0100		☒ Diverted ☐ Conveyed ☐ Used	
		31	NE SW	6900		☒ Diverted ☐ Conveyed ☐ Used	
		31	NW SE	0100		☒ Diverted ☐ Conveyed ☐ Used	
		31	NE SE	0100		☒ Diverted ☐ Conveyed ☐ Used	
		30	SW SW	*		☐ Diverted ☒ Conveyed ☒ Used	
		30	NW SW			☐ Diverted ☒ Conveyed ☒ Used	
		25	SE SE			☐ Diverted ☒ Conveyed ☒ Used	
	4W	36	E ¼			☐ Diverted ☒ Conveyed ☒ Used	
		36	NW SE			☐ Diverted ☒ Conveyed ☒ Used	
		36	SW SE			☐ Diverted ☒ Conveyed ☒ Used	
		36	NE NE	0600		☒ Diverted ☒ Conveyed ☒ Used	

**City of Banks Urban Growth Boundary is the City's service area. Various taxlots and land use classifications within the UGB.*

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

City of Banks *(All water production, conveyance, and usage occurs within the City of Banks Service Area as defined by the City's Urban Growth Boundary)*

B. Description of Proposed Use

Type of application to be filed with the Water Resources Department:

☐ Permit to Use or Store Water ☒ Water Right Transfer ☐ Permit Amendment or Ground Water Registration Modification
☐ Limited Water Use License ☐ Allocation of Conserved Water ☐ Exchange of Water

Source of water: ☐ Reservoir/Pond ☒ Ground Water ☐ Surface Water (name) _____

Estimated quantity of water needed: 1.00 ☒ cubic feet per second ☐ gallons per minute ☐ acre-feet

Intended use of water: ☐ Irrigation ☐ Commercial ☐ Industrial ☐ Domestic for _____ household(s)
☒ Municipal ☐ Quasi-Municipal ☐ Instream ☐ Other _____

Briefly describe:

Transfer application to add additional POAs to support potential construction of new well(s) for one of the City's two groundwater supply rights.

Received
APR 29 2024
OWRD

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For Local Government Use Only

The following section must be completed by a planning official from each county and city listed unless the project will be located entirely within the city limits. In that case, only the city planning agency must complete this form. This deals only with the local land-use plan. Do not include approval for activities such as building or grading permits.

Please check the appropriate box below and provide the requested information

☒ Land uses to be served by the proposed water uses (including proposed construction) are allowed outright or are not regulated by your comprehensive plan. Cite applicable ordinance section(s):

☐ Land uses to be served by the proposed water uses (including proposed construction) involve discretionary land-use approvals as listed in the table below. (Please attach documentation of applicable land-use approvals which have already been obtained. Record of Action/land-use decision and accompanying findings are sufficient.) **If approvals have been obtained but all appeal periods have not ended, check "Being pursued."**

Type of Land-Use Approval Needed (e.g., plan amendments, rezones, conditional-use permits, etc.)	Cite Most Significant, Applicable Plan Policies & Ordinance Section References	Land-Use Approval:	
		☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued
	Received	☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued
	APR 29 2024	☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued
	OWRD	☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued
		☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued

Local governments are invited to express special land-use concerns or make recommendations to the Water Resources Department regarding this proposed use of water below, or on a separate sheet.

Name: Glenn Boden Title: City Manager

Signature: Glen Boden Phone: 503-324-5112 Date: 4-9-24

Government Entity: City of Banks

Note to local government representative: Please complete this form or sign the receipt below and return it to the applicant. If you sign the receipt, you will have 30 days from the Water Resources Department's notice date to return the completed Land Use Information Form or WRD may presume the land use associated with the proposed use of water is compatible with local comprehensive plans.

Receipt for Request for Land Use Information

Applicant name: _____

City or County: _____ Staff contact: _____

Signature: _____ Phone: _____ Date: _____

14450 -

ATTACHMENT 5

RECEIVED WASH 62373

JUN 02 2005

WATER RESOURCES DEPT
SALEM, OREGON

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

WELL I.D. # L 75346

START CARD # 173577

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

(1) LAND OWNER Well Number
Name City of Banks
Address 100 South Main Street
City Banks State Or Zip 97106

(2) TYPE OF WORK ☒ New Well
☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment ☐ Conversion

(3) DRILL METHOD
☒ Rotary Air ☒ Rotary Mud ☐ Cable ☐ Auger ☐ Cable Mud
☐ Other

(4) PROPOSED USE
☐ Domestic ☒ Community ☐ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Livestock ☐ Other

(5) BORE HOLE CONSTRUCTION Special Construction: ☐ Yes ☒ No
Depth of Completed Well 665 ft.
Explosives used: ☐ Yes ☒ No Type Amount

BORE HOLE Diameter	From	To	SEAL Material	From	To	Sacks or Pounds
16	0	300	Cem/Bent	0	300	115 sks
12	300	665				

How was seal placed: Method ☐ A ☒ B ☒ C ☐ D ☐ E
☐ Other
Backfill placed from ft. to ft. Material
Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	12	+2	300	.250	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Drive Shoe used ☐ Inside ☐ Outside ☒ None
Final location of shoe(s)

(7) PERFORATIONS/SCREENS
☐ Perforations Method
☐ Screens Type Material

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

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

Yield gal/min	Drawdown	Drill stem at	Time
650+		660	1hr.
275-280		200	1hr.

Temperature of water 57°F Depth Artesian Flow Found
Was a water analysis done? ☒ Yes By whom A.M.J.
Did any strata contain water not suitable for intended use? ☐ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other
Depth of strata:

(9) LOCATION OF WELL (legal description)
County Washington
Tax Lot 402 Lot
Township 2N N or S Range 3W E or W WM
Section 31 NE 1/4 NW 1/4
Lat ° ' " or (degrees or decimal)
Long ° ' " or (degrees or decimal)
Street Address of Well (or nearest address)
42000 NW Banks Rd. Banks, Or

(10) STATIC WATER LEVEL
48 ft. below land surface. Date 5-25-05
ft. below land surface. Date
Artesian pressure lb. per square inch Date

(11) WATER BEARING ZONES
Depth at which water was first found 378

From	To	Estimated Flow Rate	SWL
378	468	350 gpm	48
615	660	300 gpm	48

(12) WELL LOG Ground Elevation

Material	From	To	SWL
Brn & red-brn cly sticky, firm.	0	69	
Red-brn basalt, very weathered.	69	102	
Green clay soft	102	121	
Gry-brn clay firm	121	155	
Red-brn basalt very weathered.	155	179	
Brn basalt, weathered	179	201	
Gry-brn basalt	201	206	
Gry/gry-blk basalthrd	206	231	
Gry-brn basalt w/ interbeds.	231	251	
Gry-gry blk basalt hrd	251	313	
Brn basalt interbed	313	325	

Date Started 3-22-05 Completed 5-25-05

Received
APR 29 2024
OWRD

(unbonded) Water Well Constructor Certification
I certify that the work I performed on the construction, deepening, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

WWC Number 573 Date 5-31-2005
Signed

(bonded) Water Well Constructor Certification
I accept responsibility for the construction, deepening, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 1266 Date May 31, 2005
Signed

ORIGINAL – WATER RESOURCES DEPARTMENT FIRST COPY – CONSTRUCTOR SECOND COPY – CUSTOMER 06/16/2004

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Conti. Page 2

RECEIVED WASH 62373

JUN 02 2005

WATER RESOURCES DEPT
SALEM, OREGON

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

WELL I.D. # L 75346

START CARD # 173577

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

(1) LAND OWNER Well Number
Name City of Banks Conti. Page 2
Address 100 South Main Street
City Banks State OR Zip 97106

(2) TYPE OF WORK ☒ New Well
☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment ☐ Conversion

(3) DRILL METHOD
☒ Rotary Air ☒ Rotary Mud ☐ Cable ☐ Auger ☐ Cable Mud
☐ Other

(4) PROPOSED USE
☐ Domestic ☒ Community ☐ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Livestock ☐ Other

(5) BORE HOLE CONSTRUCTION Special Construction: ☐ Yes ☒ No
Depth of Completed Well 665 ft.
Explosives used: ☐ Yes ☒ No Type Amount

BORE HOLE Diameter	From	To	SEAL Material	From	To	Sacks or Pounds

How was seal placed: Method ☐ A ☐ B ☐ C ☐ D ☐ E
☐ Other
Backfill placed from ft. to ft. Material
Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Drive Shoe used ☐ Inside ☐ Outside ☐ None
Final location of shoe(s)

(7) PERFORATIONS/SCREENS
☐ Perforations Method
☐ Screens Type Material

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

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

Yield gal/min	Drawdown	Drill stem at	Time

Temperature of water Depth Artesian Flow Found
Was a water analysis done? ☐ Yes By whom
Did any strata contain water not suitable for intended use? ☐ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other
Depth of strata:

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(9) LOCATION OF WELL (legal description)
County Washington
Tax Lot 402 Lot
Township 2N N or S Range 3W E or W WM
Section 31 NE 1/4 NW 1/4
Lat ° ' " or (degrees or decimal)
Long ° ' " or (degrees or decimal)
Street Address of Well (or nearest address)
42000 NW Banks Rd., Banks, OR

(10) STATIC WATER LEVEL
48 ft. below land surface. Date 05/25/2005
ft. below land surface. Date
Artesian pressure lb. per square inch Date

(11) WATER BEARING ZONES
Depth at which water was first found

From	To	Estimated Flow Rate	SWL

(12) WELL LOG Ground Elevation

Material	From	To	SWL
Blk basalt, fracs, occ soapstone.	325	378	
Brn/gry-brn basalt frac broken occ red-brn basalt/lava streaks	378	420	48
Blk/gry blk basalt/lava	420	468	
Blk/gry blk basalt, hard occ fracs.	468	615	
Blk basalt interbed, occ claystone occ lava streaks.	615	660	48
Blk/gry-blk basalt, fracs.	660	665	

Date Started 3-22-2005 Completed 5-25-2005

(unbonded) Water Well Constructor Certification
I certify that the work I performed on the construction, deepening, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

WWC Number 573 Date 5-31-2005
Signed

(bonded) Water Well Constructor Certification
I accept responsibility for the construction, deepening, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 1266 Date May 31, 2005
Signed

ORIGINAL – WATER RESOURCES DEPARTMENT FIRST COPY – CONSTRUCTOR SECOND COPY – CUSTOMER 06/16/2004

14450 -

CwM-H2O
Complete Water Management

ATTACHMENT 6

Pacific Northwest

April 17, 2024

1501011

Oregon Water Resources Department
Attn: *Groundwater Hydrogeology Section*
725 Summer St. NE Ste A
Salem, Oregon 97301

c/o: Dennis Orlowski, *Northeast Region Lead Hydrogeologist*

RE: INTERPRETATION OF BASALT WATER-BEARING ZONES IN THE AREA OF BANKS, OREGON

CwM-H2O (CwM) presents this technical memorandum to the Oregon Water Resources Department (OWRD) on behalf of the City of Banks (City). The purpose of the Technical Memorandum is twofold: 1) to present the results of additional investigations into the nature of two water-bearing zones (WBZs) within the Columbia River Basalt Group (CRBG), and 2) to support an application to modify Certificate 95849 that requests the additional points of appropriation and proposes the development of all basalt WBZs encountered to a depth of 665 feet below ground surface (bgs) as one aquifer unit. The WBZs investigated are documented in the City's primary production well, Well 2 (WASH 6237) and in the nearby Quail Valley Irrigation Well (QV Well, WASH 50693). The locations of each well are presented in Figure 1 - Vicinity Map.

This technical memorandum also presents a correction to the 2018 Banks-Green Mountain Aquifer Storage and Recovery Feasibility Study (ASR Feasibility Study) which incorrectly interpreted a downhole video observation to suggest water was moving within the borehole of Well 2. This interpretation is incorrect based on a reevaluation of the original video log and the new evidence presented in sections that follow which demonstrate that the WBZs encountered in Well 2 were in equilibrium and that no flow was evident in the video log.

Recent Geophysical Evidence

The investigation of Well 2 was conducted in 2017 as part of the Banks-Green Mountain Aquifer Storage and Recovery Feasibility Study (CwM, 2018). The investigation of the QV Well was completed in two separate investigations. The first was conducted by CwM to assess the condition of the QV Well as a potential asset for the City (CwM, 2020). A separate assessment was conducted by Holt Development and Summit Water Resources, LLC (Summit) in 2023, which focused on the potential flow between water bearing units in the QV Well. Both investigations utilized Pacific Survey, LLC of Auburn, CA for geophysical survey. The array of downhole methods used to evaluate both production wells included the following:

- Video Survey with down- and side-casting camera
- Caliper Log
- Dynamic Spinner Log
- Static Spinner Log
- Temperature Log

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All information gathered in these assessments is available for OWRD to review. However, for the purposes of this technical memorandum, the pertinent evidence of potential flow with in the basalt borehole is found in the static spinner log data collected in each well. The raw data for static spinner log for each of these investigations is provided here for OWRD technical review in the attached Exhibit A - Geophysical Log Surveys with the original State of Oregon Water Well Reports (well logs) from each well.

Exhibit A also contains an excerpt from a report provided by Summit where Pacific Survey provides commentary on the 2017 Banks Well 2 and the 2023 QV Well spinner log results. Pacific Survey's analysis of the spinner logs states that zero flow is detected between the two WBZs. This indicates that, in both wells, the two WBZs are of equal head value and in combination act as a single aquifer without loss of water or artesian head from one zone to the other.

Evidence from Area Water Well Reports of Equivalent Static Water Levels

The observations of equivalent head values between upper and lower WBZs in Well 2 and the QV Well are also supported in the original well logs which document no change in static water level as the borehole was advanced through each WBZ during the time of drilling. This observation is not uncommon in the northern Tualatin Valley in the area of the City. In a limited search, CwM identified eight other deep (greater than 400 ft bgs) basalt wells in the area that tap a number of WBZs and show no change in static water levels as the wells were constructed. These wells include WASH 7691, WASH 13531, WASH 54161, WASH 55819, WASH 71480, WASH 72830, WASH 141, and WASH 0002 with deepening log WASH 199. The well locations are shown in Figure 1. The well logs for each are included in Exhibit B - Area Basalt Wells. The lack of a change in static water level suggests that the WBZs are interconnected, in equilibrium between WBZs, and that these basalt water WBZs act as one aquifer in the area of the City.

Evidence from Recent Water Level Elevations: Wells 1 and 2

Previous water levels reported to CwM from the City and to OWRD in annual report as "SCADA" reading are incorrect due a long-term failure in the transducers measuring water levels in the City's Well 1 and Well 2. The City has recently completed an elevational survey of both wellheads and begun reconditioning and repairs for the pump and motor equipment in Well-1. This reconditioning included the replacement of the older non-functional transducer system. Concurrently, the City has also replaced the previous transducer system that was installed in Well-2.

Since March 2023, Well-1 has been offline as the equipment has been removed for repair or replacement. This allowed for direct access to Well 1 water levels by hand measurement with a well sounder. CwM geologists have collected three water levels during this time period when Well 2 has been idle for at least 7-days. The static water elevations (calculated with survey elevations and manual depth measurements) between the wells differed by 0.62 – 1.12 feet, Table 1.

Under static winter-spring conditions, groundwater elevations were less than 1 ft apart. Some variability in water level is expected due to the irrigation season and the use of multiple area wells for residential use. However, little variation has been observed. In summary, the static water

TM – City of Banks Wells Water-bearing Zones

elevations are essentially equivalent, and the very small differences measured between the wells would not be sufficient to move groundwater between WBZs or cause a loss of water from one zone to the other.

Table 1 – Manual Groundwater Elevation Measurements				
Date	Well-1 Groundwater Elevation	Well-2 Groundwater Elevation	Difference in Elevation	Time Since Well-2 Pumped
3/15/2023	197.60 ft	196.98 ft	0.62 ft	7+ days
4/7/2023	199.17 ft	198.05 ft	1.12 ft	7+ days
10/13/2023	185.85 ft	184.89 ft	0.96 ft	7+ days

2023 Review of Video Survey of Well-2 completed in 2018

A video survey of Well-2 was conducted by Pacific Surveys LLC and CwM on January 12, 2018. The video covered the entire length of Well 2 including the cased and open-hole intervals. A CwM Principal-level review of the video was completed by Robert E. Long Jr. *RG, CWRE* in October of 2023 to assess the origin of comments made in the 2018 ASR Feasibility Study regarding the exchange of water between the upper and lower WBZs within Well 2. The quote "the exchange of water between the two water bearing zones was observed, with water from the water from the lower water bearing zone moving upwards and mixing with the upper water bearing zone" is found on page 11 of the ASR Feasibility Study and in Appendix C page 1.

In the review of the video survey, documented suspended sediment and debris dislodged from the inside of the well was observed floating downward in the water column, including when the camera was not in motion. The video survey from top of casing to the bottom of the well (0 to 669.7 bgs) at no time indicates evidence of upward flow. It is CwM's conclusion that the survey interpretation error occurred as the video camera was retracted from the well. Specifically, it is believed that upward movement of sediment upon the retraction of the camera was interpreted as upward flow. In reality, this effect is the result of suction created behind the camera when it is being pulled back up the well.

CwM's intent with this memo is to correct this statement about upward water flow and exchange between WBZ in Well 2. There is no evidence from the video survey of water movement in either direction. The evidence provided by the downhole video suggests that the two WBZs share very similar hydraulic pressure regimes under static conditions.

Summary

The goal of this memo is to update the factual evidence related to two water bearing zones (WBZ) with in the Columbia River Basalt Group (CRBG) that supply groundwater water to production wells in and around Banks, Oregon in the northern Tualatin Valley in support of a proposed application to add five additional points of appropriation to Certificate 95849. The application proposes to use both WBZs as a single aquifer for both production and for future ASR operations. It is the professional opinion of CwM, based on the evidence presented in geophysical analysis, well log static water levels,

and current static water levels measured by CwM at Well 1 and Well 2, that these basalt WBZ are in equilibrium and operate as a single aquifer unit. Previous observations in the 2018 ASR Feasibility Study and interpretations of flow within the borehole based on a downhole video data are incorrect and are amended herein based on the reevaluation of the 2018 video in question.

Please let us know if there are any issues with processing this application or questions regarding the information included therein. Thank you for your assistance.

Sincerely,

CwM H2O, L.L.C.

Robert Long, CWRE

CC Jolynn Becker, City Manager, City of Banks
Joe Schiewe, Holt Homes
Paul Sellke, AKS Engineering & Forestry

TM – City of Banks Wells Water-bearing Zones

EXHIBIT A
GEOPHYSICAL LOG SURVEYS

14450 -

Pacific Surveys, LLC
A full service geophysical well logging company

Jason Melady
Summit Water Resources, LLC

November 9, 2022

RE: Technical Memo: Static Spinner

Under non-pumping condition the spinner/flowmeter is lowered into the boring/well at a constant speed. The revolutions of the impeller are recorded as counts/sec. Once the spinner/flowmeter reaches total depth, the survey is stopped and a new survey begins with the tool ascending the boring/well. The spinner/flowmeter is raised to the surface at a constant rate and the revolutions of the impeller are recorded.

Both the down and up runs are merged onto one graph and scaled so that both spinner response overlay one another in a zone of known zero-flow. This zone is typically above all perforations. In the case of Well #2, this would be in the 12-inch casing that is set to 300ft. This zone of zero-flow demonstrates that the revolutions of the spinner is directly a result of the speed of descent/ascent of the tool.

If both the down and up run overlay one another throughout the entire boring/well, the inference would be that there is no vertical flow anywhere in the boring/well. If vertical flow was occurring, the down and up runs would diverge from one another in response to the direction of the flow (velocities are additive). In the case for Well #2, there is no significant divergence between the down and up runs, indicating zero-flow through the entire interval.

Best Regards,
Michael Ridder
Pacific Surveys, LLC

4456 Via St. Ambrose • Claremont • Ca • 91711 909.625.6262 fax 909.399.3180 www.pacificsurveys.com

PACIFIC SURVEYS

STATIC SPINNER
UP & DOWN RUNS
NON-PUMPING CONDITION

Job No.
23530

File No.

Company CITY OF BANKS
Well WELL 2
Field BANKS
County WASHINGTON State OR

Location:

41700 NW BANKS RD.
GPS: 45.6214 -123.1066

Sec. Twp. Rge.

Other Services:

VIDEO CALIPER
DYNAMINC SPINNER
STOP COUNTS
SPINNER ANALYSIS

Permanent Datum	T.O.C.	Elevation above perm. datum	Elevation K.B. D.F. G.L.
Log Measured From	T.O.C.		
Drilling Measured From	N/A		

Date	01-12-2018		
Run Number	ONE		
Depth Driller	669'		
Depth Logger	669'		
Bottom Logged Interval	660'		
Top Log Interval	225'		
Pump Set @	196' (BOTTOM)		
Time Pumping Prior to Survey	30 MIN		
Pumping Water Level	NOT MEASURED		
Max. Recorded Temp.	N/A		
Pump Rate (GPM)	N/A		
Time Well Ready	0800		
Time Logger on Bottom	1200		
Equipment Number	PS-7		
Location	SAC		
Recorded By	SCHUMACHER		
Witnessed By	R. DOUGHERTY		

Perforation Record				Perforation Record			
Type	Slot Size	From	To	Type	Slot Size	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	12"	N/A	0'	300'
Camera Tube				
Production String				
Liner				

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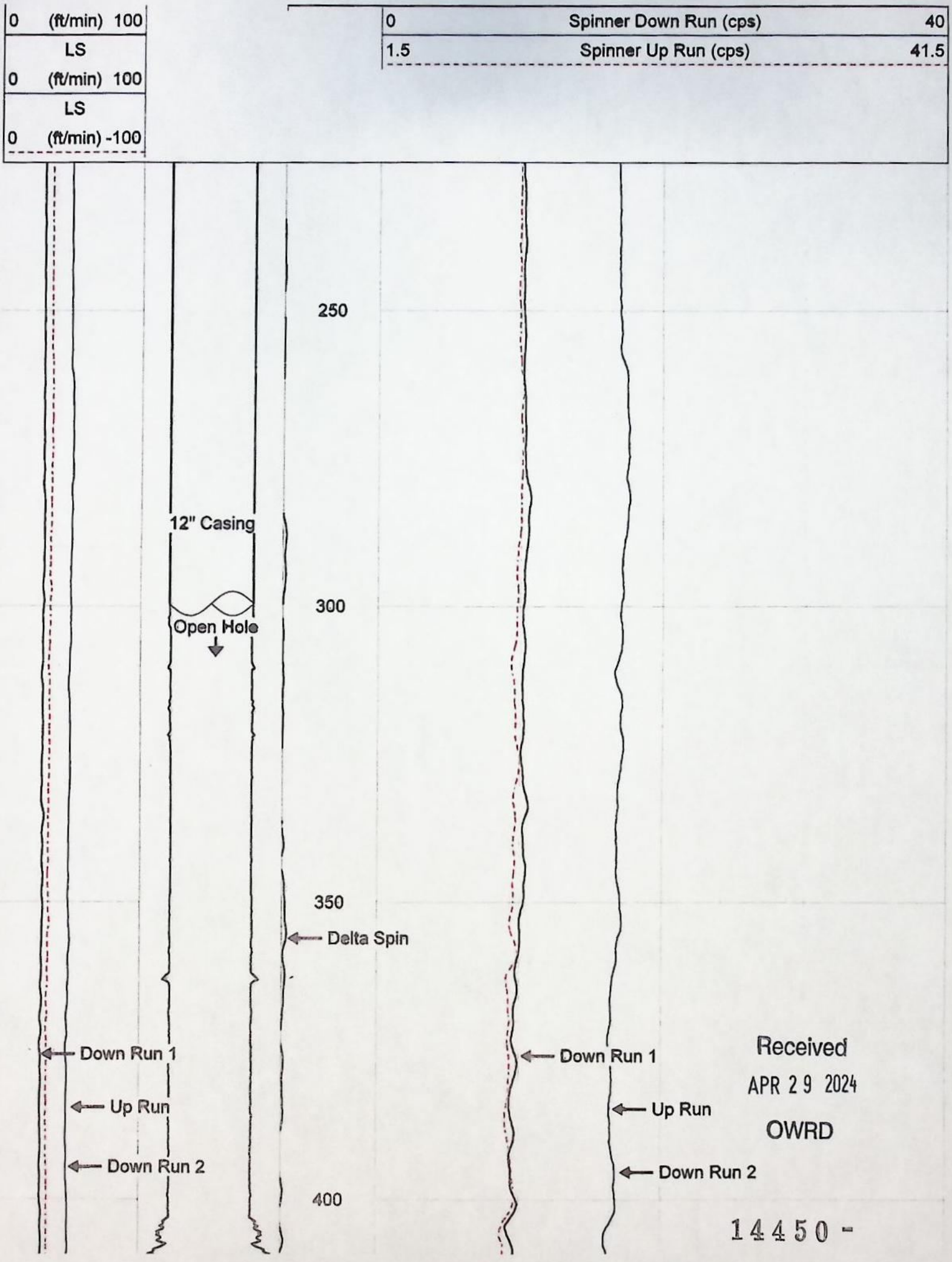
Comments

FULL BORE
12" OPEN HOLE BELOW 300'

Database File 23530.db
Dataset Pathname statD1
Presentation Format spinmerg
Dataset Creation Fri Jan 12 10:11:44 2018
Charted by Depth in Feet scaled 1:240



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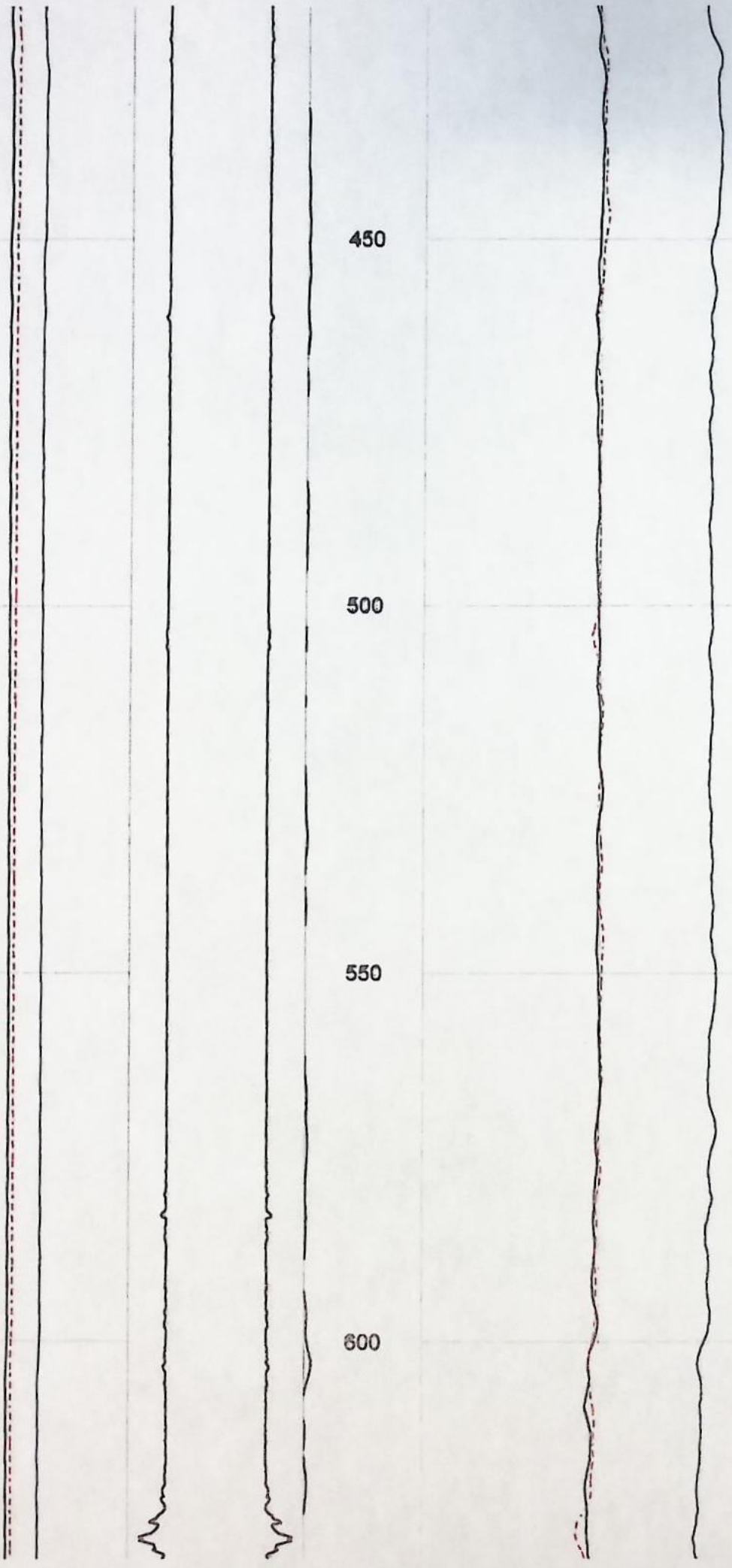

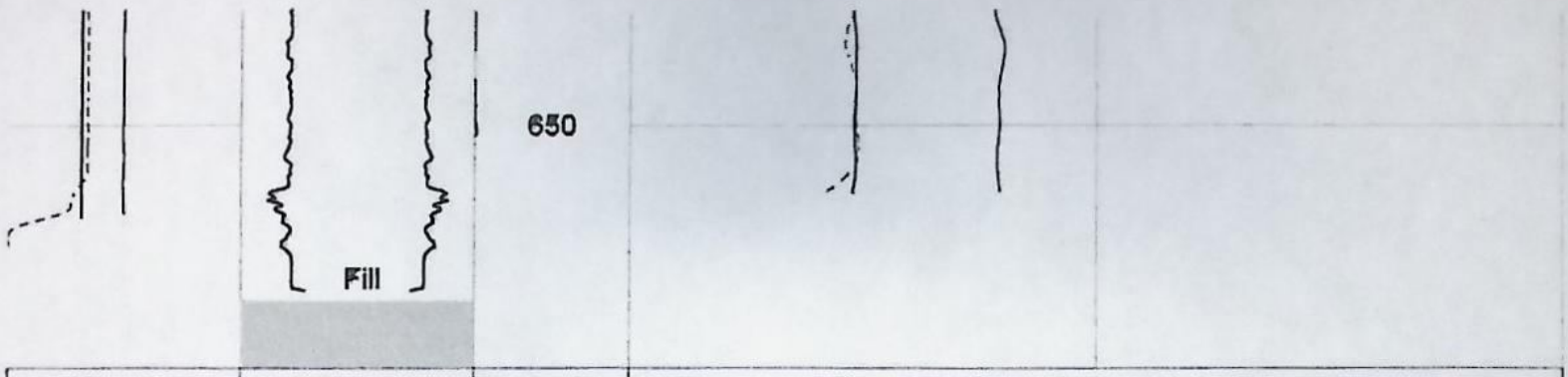

LS	Delta Spin	0	Spinner Down Run (cps)	40
0 (ft/min) 100		0	Spinner Down Run (cps)	40
LS		1.5	Spinner Up Run (cps)	41.5
0 (ft/min) 100				
LS				
0 (ft/min) -100				

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.

WATER WELL REPORT
STATE OF OREGON
(Please type or print)

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

WASH 4651

State Well No. 2N/3W-31

State Permit No.

WATER RESOURCES DEPT.
SALEM, OREGON

(1) OWNER:
Name City of Banks
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:
Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☐ Industrial ☐ Municipal ☒
Irrigation ☐ Test Well ☐ Other ☐

(5) 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
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

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(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? AMJannsen
Yield: 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 210 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
¼ ¼ 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.
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] (Drilling Machine Operator) Date 8/29/77, 19
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. Jannsen Drilling Co. (Person, firm or corporation) (Type or print)
Address 21075 SW Tualatin Valley Hwy. Aloha, Oreg
[Signed] Edward M. Jannsen (Water Well Contractor)
Contractor's License No. 79 Date 8/29/77, 19

(USE ADDITIONAL SHEETS IF NECESSARY)

14450 -

SP*45656-119

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
SEP - 6 1977
WATER RESOURCES DEPT.
SALEM, OREGON

WATER WELL REPORT
STATE OF OREGON
(Please type or print)
(Do not write above this line)

State Well No. 2N/3W-31

State Permit No.

Page 2

(1) OWNER:
Name City of Banks
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 .....

(6) PERFORATIONS:
Perforated? ☐ Yes ☐ No.
Type of perforator used
Size of perforations in. by in.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.

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

(8) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☐ No If yes, by whom?
Yield: 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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APR 29 2024
OWRD

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.....

(USE ADDITIONAL SHEETS IF NECESSARY)

14450 -

SP*45656-110

Pacific Surveys, LLC
A full service geophysical well logging company

Ryan Dougherty
Summit Water Resources, LLC

December 14, 2022

RE: Static Spinner

On November 30th, 2022, we performed a static spinner survey on the Quail Valley Golf Course Well in Banks, OR. Only one down and up run were required for this survey, as both the down and up run overlaid one another throughout the entire cased and open-hole portions of the well, with no significant divergence. This corresponds with the Temperature Log performed on this well from November 2020, which, similarly, revealed no significant divergence from the expected geothermal gradient. Therefore, it appears that there is no vertical flow in the boring/well.

Best Regards,
Mike Schumacher
Pacific Surveys, LLC

4456 Via St. Ambrose • Claremont • Ca • 91711 909.625.6262 fax 909.399.3180 www.pacificsurveys.com

PACIFIC SURVEYS

STATIC SPINNER
UP & DOWN RUNS
NON-PUMPING CONDITION

Job No. 30460

Company SUMMIT WATER RESOURCES, LLC
Well QVGC WELL
Field BANKS
County WASHINGTON State OR

Location:

12565 NW AERTS RD
GPS: 45.6167 -123.0958

Sec. Twp. Rge.

Other Services:

CALIPER

Permanent Datum	G.L.	Elevation above perm. datum	Elevation K.B. D.F. G.L.
Log Measured From	G.L.		
Drilling Measured From	N/A		

Date	11-30-2022
Run Number	ONE
Depth Driller	640'
Depth Logger	641'
Bottom Logged Interval	620'
Top Log Interval	0'
Static Water Level	~25'
Depth Of Pump Bowls	N/A
Density / Viscosity	N/A
Max. Recorded Temp.	N/A
Pump Rate (GPM)	N/A
Time Well Ready	0900
Time Logger on Bottom	0945
Equipment Number	PS-8
Location	SAC
Recorded By	SCHUMACHER
Witnessed By	R. DOUGHERTY

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APR 29 2024
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Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String				
Prot. String				
Production String	10.25" ID	0.25" WALL	0'	315.1'
Liner				

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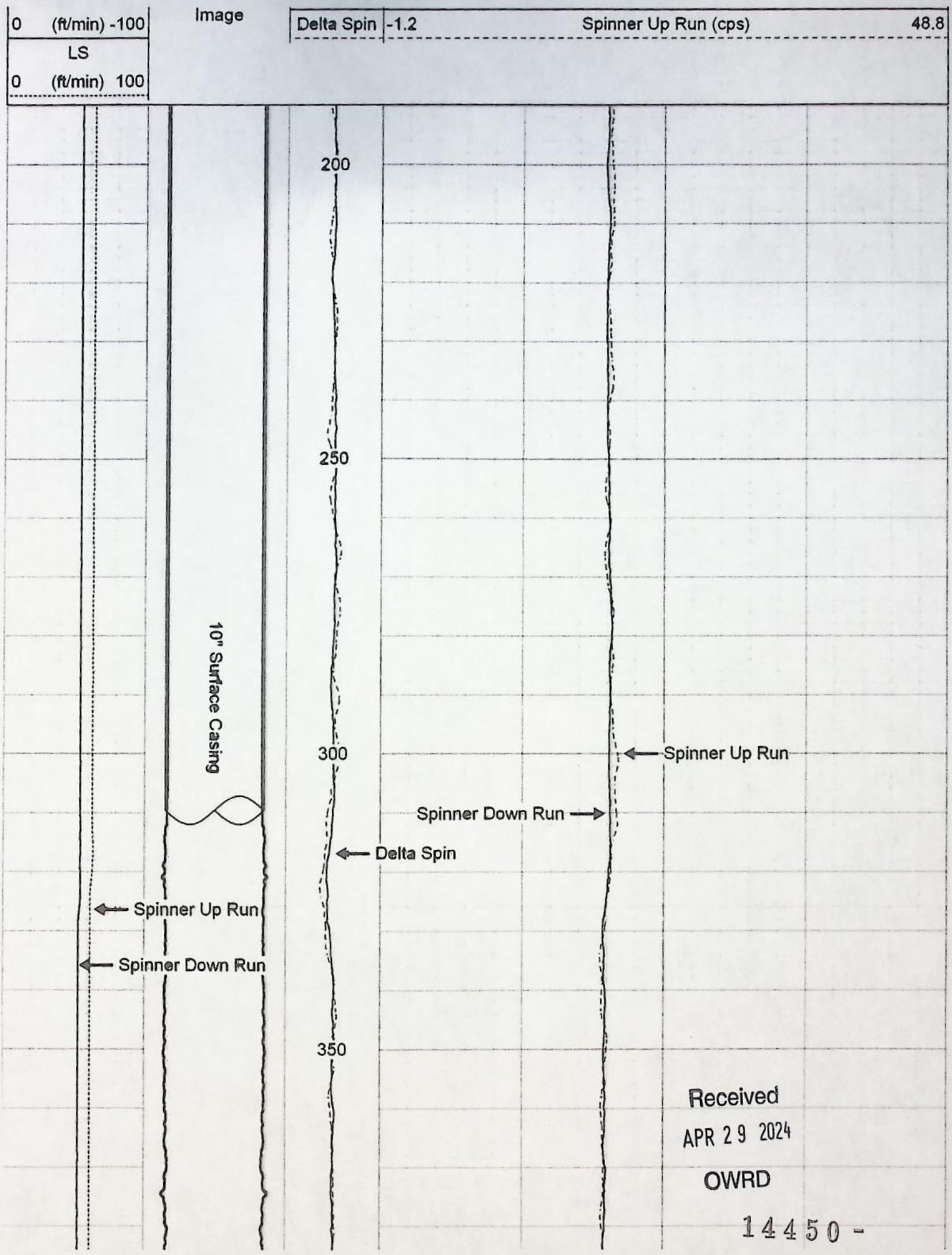
All interpretations are opinions based on inferences from electrical or other measurements and Pacific Surveys cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to Pacific Surveys' general terms and conditions set out in our current Price Schedule.

Comments

OPEN HOLE FROM 315.1 FT TO APPROX. 645 FT.

Database File 30460.db
Dataset Pathname spn_d4
Presentation Format spinmerg
Dataset Creation Wed Nov 30 11:05:14 2022
Charted by Depth in Feet scaled 1:240



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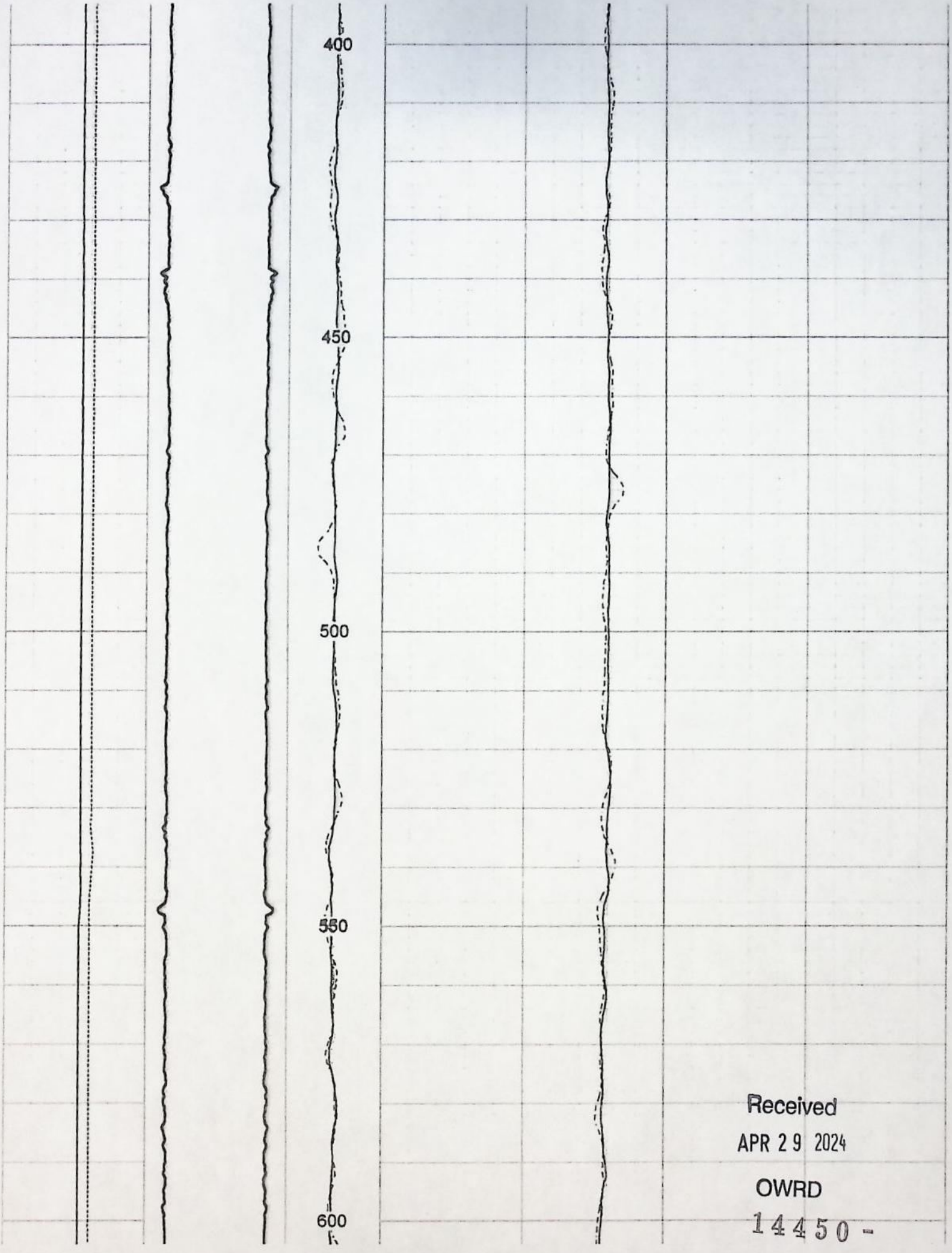

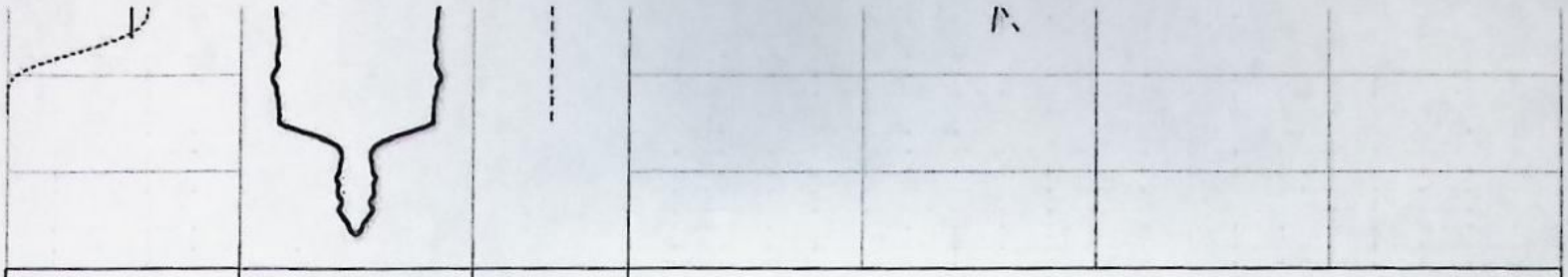

LS 0 (ft/min) -100	Borehole Caliper Image	Delta Spin	0	Spinner Down Run (cps) 50
		Delta Spin	-1.2	Spinner Up Run (cps) 48.8
LS 0 (ft/min) 100				

14450 -

EXHIBIT B
AREA BASALT WELLS

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

RECEIVED JUN 02 2005 WATER RESOURCES DEPT SALEM, OREGON

CITY WELL-2

WELL I.D. # L 75346

START CARD # 173577

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

(1) LAND OWNER Well Number _____
Name City of Banks
Address 100 South Main Street
City Banks State Or Zip 97106

(2) TYPE OF WORK ☒ New Well
☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment ☐ Conversion

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

(4) PROPOSED USE
☐ Domestic ☒ Community ☐ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Livestock ☐ Other _____

(5) BORE HOLE CONSTRUCTION Special Construction: ☐ Yes ☒ No
Depth of Completed Well 665 ft.
Explosives used: ☐ Yes ☒ No Type _____ Amount _____

BORE HOLE Diameter	From	To	SEAL Material	From	To	Sacks or Pounds
16	0	300	Cem/Bent	0	300	115 sks
12	300	665				

How was seal placed: Method ☐ A ☒ B ☒ C ☐ D ☐ E
☐ Other _____
Backfill placed from _____ ft. to _____ ft. Material _____
Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	12	+2	300	.250	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Drive Shoe used ☐ Inside ☐ Outside ☒ None
Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS
☐ Perforations Method _____
☐ Screens Type _____ Material _____

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

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

Yield gal/min	Drawdown	Drill stem at	Time
650+		660	1hr.
275-280		200	1hr.

Temperature of water 57°F Depth Artesian Flow Found _____
Was a water analysis done? ☒ Yes By whom A.M.J.
Did any strata contain water not suitable for intended use? ☐ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other _____
Depth of strata: _____

(9) LOCATION OF WELL (legal description)
County Washington
Tax Lot 402 Lot _____
Township 2N N or S Range 3W E or W WM
Section 31 NE 1/4 NW 1/4
Lat ___ ° ___ ' ___ " or _____ (degrees or decimal)
Long ___ ° ___ ' ___ " or _____ (degrees or decimal)
Street Address of Well (or nearest address) _____
42000 NW Banks Rd. Banks, Or

(10) STATIC WATER LEVEL
48 ft. below land surface. Date 5-25-05
_____ ft. below land surface. Date _____
Artesian pressure _____ lb. per square inch Date _____

(11) WATER BEARING ZONES
Depth at which water was first found 378

From	To	Estimated Flow Rate	SWL
378	468	350 gpm	48
615	660	300 gpm	48

(12) WELL LOG Ground Elevation _____

Material	From	To	SWL
Brn & red-brn cly sticky, firm.	0	69	
Red-brn basalt, very weathered.	69	102	
Green clay soft	102	121	
Gry-brn clay firm	121	155	
Red-brn basalt very weathered.	155	179	
Brn basalt, weathered	179	201	
Gry-brn basalt	201	206	
Gry/gry-blk basalthrd	206	231	
Gry-brn basalt w/ interbeds.	231	251	
Gry-gry blk basalt hrd	251	313	
Brn basalt interbed	313	325	

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Date Started 3-22-05 Completed 5-25-05

(unbonded) Water Well Constructor Certification
I certify that the work I performed on the construction, deepening, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

WWC Number 573 Date 5-31-2005
Signed _____

(bonded) Water Well Constructor Certification
I accept responsibility for the construction, deepening, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 1266 Date May 31, 2005
Signed _____

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Wn- 50693

MAY 28 1996

WATER RESOURCES DEPT.
SALEM OREGON

QV WELL

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

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

(START CARD) # 86703

(1) OWNER: Well Number

Name QUAIL VALLEY GOLF COURSE

Address 12565 NW AERTS RD.

City BANKS State OR Zip 97106

(2) TYPE OF WORK

[X] New Well [ ] Deepening [ ] Alteration (repair/recondition) [ ] Abandonment

(3) DRILL METHOD:

[X] Rotary Air [X] Rotary Mud [ ] Cable [ ] Auger

[ ] Other

(4) PROPOSED USE:

[ ] Domestic [ ] Community [ ] Industrial [X] Irrigation

[ ] Thermal [ ] Injection [ ] Livestock [ ] Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval [ ] Yes [X] No Depth of Completed Well 640 ft.

Explosives used [ ] Yes [X] No Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
14-3/4	0	312	Cement	0	90	35 SKS
			Cement	280	312	20 SKS
10	312	640				

How was seal placed: Method [ ] A [X] B [X] C [ ] D [ ] E

[ ] Other

Backfill placed from 90 ft. to 280 ft. Material Hivisc Gel & Bent. chips

Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	10"	+1	312	.250	[X]	[ ]	[X]	[ ]
					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
Liner:					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]

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APR 29 2024
OWRD

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:

[ ] Perforations Method

[ ] Screens Type Material

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

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

[ ] Pump [ ] Bailer [X] Air [ ] Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
300+		280	1 hr.
200		180	"
180		100	"

Temperature of water 56 °F Depth Artesian Flow Found

Was a water analysis done? [X] Yes By whom AMJ

Did any strata contain water not suitable for intended use? [ ] Too little

[ ] Salty [ ] Muddy [ ] Odor [ ] Colored [ ] Other

Depth of strata:

(9) LOCATION OF WELL by legal description:

County WASHINGTON Latitude Longitude

Township 2N N or S Range 3W E or W. WM.

Section 31 NW 1/4 SE 1/4

Tax Lot 00100 Lot Block Subdivision

Street Address of Well (or nearest address) 12565 NW AERTS RD BANKS, OR

(10) STATIC WATER LEVEL:

18 ft. below land surface. Date 05/20/96

Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:

Depth at which water was first found 340

From	To	Estimated Flow Rate	SWL
340	465	100 GPM	18
515	575	100 "	18
575	630	100+GPM	18

(12) WELL LOG:

Ground Elevation

Material	From	To	SWL
Topsoil	0	1	
Dark brown clay	1	4	
Sticky brown clay	4	16	
Sticky gray-brown clay	16	94	
Sticky red-brown clay	94	156	
Decomp. brown basalt, occ. clay interbeds	156	283	
Soft brown basalt	283	298	
Firm gray-brown basalt	298	310	
Hard gray basalt	310	340	
Gray-brown, gray-black basalt	340	465	18
occ. brown basalt streaks			"
(caving zone 420-435, grouted solid)			
Brown basalt & ash, cemented debris	465	515	
Gray-brown basalt, frac. occ.	515	575	18
broken green mineral stain			"
Brown & gray-brown basalt, brown	575	630	18
Gray-black basalt, hard, frac.	630	640	

Date started 04/02/96 Completed 05/20/96

(unbonded) Water Well Constructor Certification:

I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

WWC Number

Signed Date

(bonded) Water Well Constructor Certification:

I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 1266 & 573

Signed Date 05/22/96

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JUN 02 2005

WATER RESOURCES DEPT
SALEM, OREGON

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

WELL I.D. # L 75346

START CARD # 173577

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

(1) LAND OWNER Well Number
Name City of Banks Conti. Page 2
Address 100 South Main Street
City Banks State OR Zip 97106

(2) TYPE OF WORK ☒ New Well
☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment ☐ Conversion

(3) DRILL METHOD
☒ Rotary Air ☒ Rotary Mud ☐ Cable ☐ Auger ☐ Cable Mud
☐ Other

(4) PROPOSED USE
☐ Domestic ☒ Community ☐ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Livestock ☐ Other

(5) BORE HOLE CONSTRUCTION Special Construction: ☐ Yes ☒ No
Depth of Completed Well 665 ft.
Explosives used: ☐ Yes ☒ No Type Amount

BORE HOLE Diameter	From	To	SEAL Material	From	To	Sacks or Pounds

How was seal placed: Method ☐ A ☐ B ☐ C ☐ D ☐ E
☐ Other
Backfill placed from ft. to ft. Material
Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Drive Shoe used ☐ Inside ☐ Outside ☐ None
Final location of shoe(s)

(7) PERFORATIONS/SCREENS
☐ Perforations Method
☐ Screens Type Material

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

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

Yield gal/min	Drawdown	Drill stem at	Time

Temperature of water Depth Artesian Flow Found
Was a water analysis done? ☐ Yes By whom
Did any strata contain water not suitable for intended use? ☐ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other
Depth of strata:

(9) LOCATION OF WELL (legal description)
County Washington
Tax Lot 402 Lot
Township 2N N or S Range 3W E or W WM
Section 31 NE 1/4 NW 1/4
Lat ___°___'___" or _____ (degrees or decimal)
Long ___°___'___" or _____ (degrees or decimal)
Street Address of Well (or nearest address)
42000 NW Banks Rd., Banks, OR

(10) STATIC WATER LEVEL
48 ft. below land surface. Date 05/25/2005
ft. below land surface. Date
Artesian pressure lb. per square inch Date

(11) WATER BEARING ZONES
Depth at which water was first found

From	To	Estimated Flow Rate	SWL

(12) WELL LOG Ground Elevation

Material	From	To	SWL
Blk basalt, fracs, occ soapstone.	325	378	
Brn/gry-brn basalt frac broken occ red-brn basalt/lava streaks	378	420	48
Blk/gry blk basalt/lava	420	468	
Blk/gry blk basalt, hard occ fracs.	468	615	
Blk basalt interbed, occ claystone occ lava streaks.	615	660	48
Blk/gry-blk basalt, fracs.	660	665	

Date Started 3-22-2005 Completed 5-25-2005

(unbonded) Water Well Constructor Certification
I certify that the work I performed on the construction, deepening, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

WWC Number 573 Date 5-31-2005
Signed

(bonded) Water Well Constructor Certification
I accept responsibility for the construction, deepening, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 1266 Date May 31, 2005
Signed

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STATE OF OREGON

WATER WELL REPORT

(as required by ORS 537.765)

WASH 7691

RECEIVED

SEP 29 1989

WATER RESOURCES DEPT.
SALEM, OREGON

2N/3W/36C

(START CARD) # 13022 pg. 1

(1) OWNER:

Well Number: WASH 7691

Name Pumpkin Ridge Development, Inc.

Address One Southwest Columbia, Suite 1010

City Portland State OR Zip 97258

(2) TYPE OF WORK:

☒ New Well ☐ Deepen ☐ Recondition ☐ Abandon

(3) DRILL METHOD

☒ Rotary Air ☐ Rotary Mud ☐ Cable

☐ Other

(4) PROPOSED USE:

☐ Domestic ☐ Community ☐ Industrial ☒ Irrigation

☐ Thermal ☐ Injection ☐ Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval Yes ☐ No ☒ Depth of Completed Well 583 ft.

Explosives used Yes ☐ No ☒ Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Amount sacks or pounds
17½	0	65	Cement	0	65	50 sacks
17½	65	200	Drill gel	65	200	
17½	200	224	Cement	200	224	25 sacks
14-3/4	224	232	Cement	224	232	" "

How was seal placed: Method ☐ A ☐ B ☒ C ☒ D ☐ E

☐ Other

Backfill placed from ft. to ft. Material

Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	12"	+2	232	.250	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:

☐ Perforations Method

☐ Screens Type Material

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

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APR 29 2024
OWRD

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

☒ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
280	103		24 hr.
350	148		30 hr.
400	195		48 hr.

Temperature of water Depth Artesian Flow Found

Was a water analysis done? ☐ Yes By whom

Did any strata contain water not suitable for intended use? ☐ Too little

☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other

Depth of strata:

(9) LOCATION OF WELL by legal description:

County Washington Latitude ' Longitude '

Township 2 N N or S, Range 3 W E or W, WM.

Section 36 SE ¼ SW ¼

Tax Lot Lot Block Subdivision

Street Address of Well (or nearest address)

(10) STATIC WATER LEVEL:

40 ft. below land surface. Date 9/21/89

Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:

Depth at which water was first found 245

From	To	Estimated Flow Rate	SWL
245	253	20 gpm	40
335	350	10 gpm	"
380	403	70 gpm	"
413	417	15 gpm	"

(12) WELL LOG:

Ground elevation

Material	From	To	SWL
Topsoil	0	1	
Firm brown clay	1	4	
Soft brown silty clay	4	23	
Sticky light gray-brown clay	23	47	
Sticky red-brown clay	47	79	
Sticky light gray clay	79	97	
Sticky red-brown clay	97	136	
Sticky red clay	136	151	
Decomposed brown basalt	151	156	
Firm decomp. gray-brown basalt	156	160	
Interbedded red,brown & gray clay	160	170	
Soft decomposed brown basalt	170	191	
Firm decomposed brown basalt	191	218	
Firm gray-brown basalt	218	220	
Hard gray basalt	220	253	
Firm gray-black basalt	253	261	
Soft black basalt	261	268	
Firm gray-black basalt	268	289	
Hard gray basalt	289	299	
Firm gray basalt	299	305	
Soft gray-black basalt	305	312	
Firm gray basalt	312	316	

Date started 8/10/89 Completed 9/25/89

(unbonded) Water Well Constructor Certification:

I certify that the work I performed on the construction, alteration, abandonment of this well is in compliance with Oregon well constructi standards. Materials used and information reported above are true to my be knowledge and belief.

WWC Number

Signed Date

(bonded) Water Well Constructor Certification:

I accept responsibility for the construction, alteration, or abandonme work performed on this well during the construction dates reported above. work performed during this time is in compliance with Oregon w construction standards. This report is true to the best of my knowledge a belief.

WWC Number 1266

Signed Date 9/27/89

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STATE OF OREGON

WATER WELL REPORT

(as required by ORS 537.765)

RECEIVED SEP 29 1989 WATER RESOURCES DEPARTMENT SALEM, OREGON

Ridge Development. 2N/3W/36CC

(START CARD) # 13022 pg 2

(1) OWNER:

Well Number: WATER RESOURCES DEPARTMENT SALEM, OREGON

Name

Address

City State Zip

(2) TYPE OF WORK:

☐ New Well ☐ Deepen ☐ Recondition ☐ Abandon

(3) DRILL METHOD

☐ Rotary Air ☐ Rotary Mud ☐ Cable

☐ Other

(4) PROPOSED USE:

☐ Domestic ☐ Community ☐ Industrial ☐ Irrigation

☐ Thermal ☐ Injection ☐ Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval Yes ☐ No ☐ Depth of Completed Well ____ ft.

Explosives used Yes ☐ No ☐ Type ____ Amount ____

HOLE Diameter	From	To	SEAL Material	From	To	Amount sacks or pounds
12"	232	552				
10"	552	583				

How was seal placed: Method ☐ A ☐ B ☐ C ☐ D ☐ E

☐ Other

Backfill placed from ____ ft. to ____ ft. Material ____

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

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:

☐ Perforations Method

☐ Screens Type ____ Material

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

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

☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
			1 hr.

Temperature of water ____ Depth Artesian Flow Found ____

Was a water analysis done? ☐ Yes By whom ____

Did any strata contain water not suitable for intended use? ☐ Too little

☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other ____

Depth of strata: ____

(9) LOCATION OF WELL by legal description:

County ____ Latitude ____ Longitude ____

Township ____ N or S, Range ____ E or W, WM.

Section ____ ¼ ¼

Tax Lot ____ Lot ____ Block ____ Subdivision ____

Street Address of Well (or nearest address) ____

(10) STATIC WATER LEVEL:

____ ft. below land surface. Date ____

Artesian pressure ____ lb. per square inch. Date ____

(11) WATER BEARING ZONES:

Depth at which water was first found ____

From	To	Estimated Flow Rate	SWL
434	443	20 gpm	4(
453	458	30 "	"
458	519	85 "	"
559	575	150 "	"

(12) WELL LOG:

Ground elevation ____

Material	From	To	SWL
Hard gray basalt	316	335	
Soft reddish-black basalt w/ green claystone (335-337)	335	350	
Hard gray basalt	350	403	
Firm gray-black basalt	403	417	
Hard gray basalt	417	430	
Soft gray-black basalt	430	443	
Firm gray-black basalt	443	447	
Soft gray-black basalt	447	453	
Hard gray basalt	453	458	
Soft gray-black basalt w/clay-stone	458	504	
Soft gray-green Claystone	504	508	
Firm gray-black basalt	508	519	
Wood	519	523	
Soft gray-green claystone	523	528	
Gray basalt w/gray claystone interbeds	528	533	
Hard gray basalt	533	559	
Firm gray-black basalt, occ. broken streak	559	583	

Date started ____ Completed ____

(unbonded) Water Well Constructor Certification:

I certify that the work I performed on the construction, alteration, abandonment of this well is in compliance with Oregon well constructic standards. Materials used and information reported above are true to my be knowledge and belief.

WWC Number ____

Signed ____ Date ____

(bonded) Water Well Constructor Certification:

I accept responsibility for the construction, alteration, or abandonme work performed on this well during the construction dates reported above. work performed during this time is in compliance with Oregon wa construction standards. This report is true to the best of my knowledge ar belief.

WWC Number ____

Signed ____ Date ____

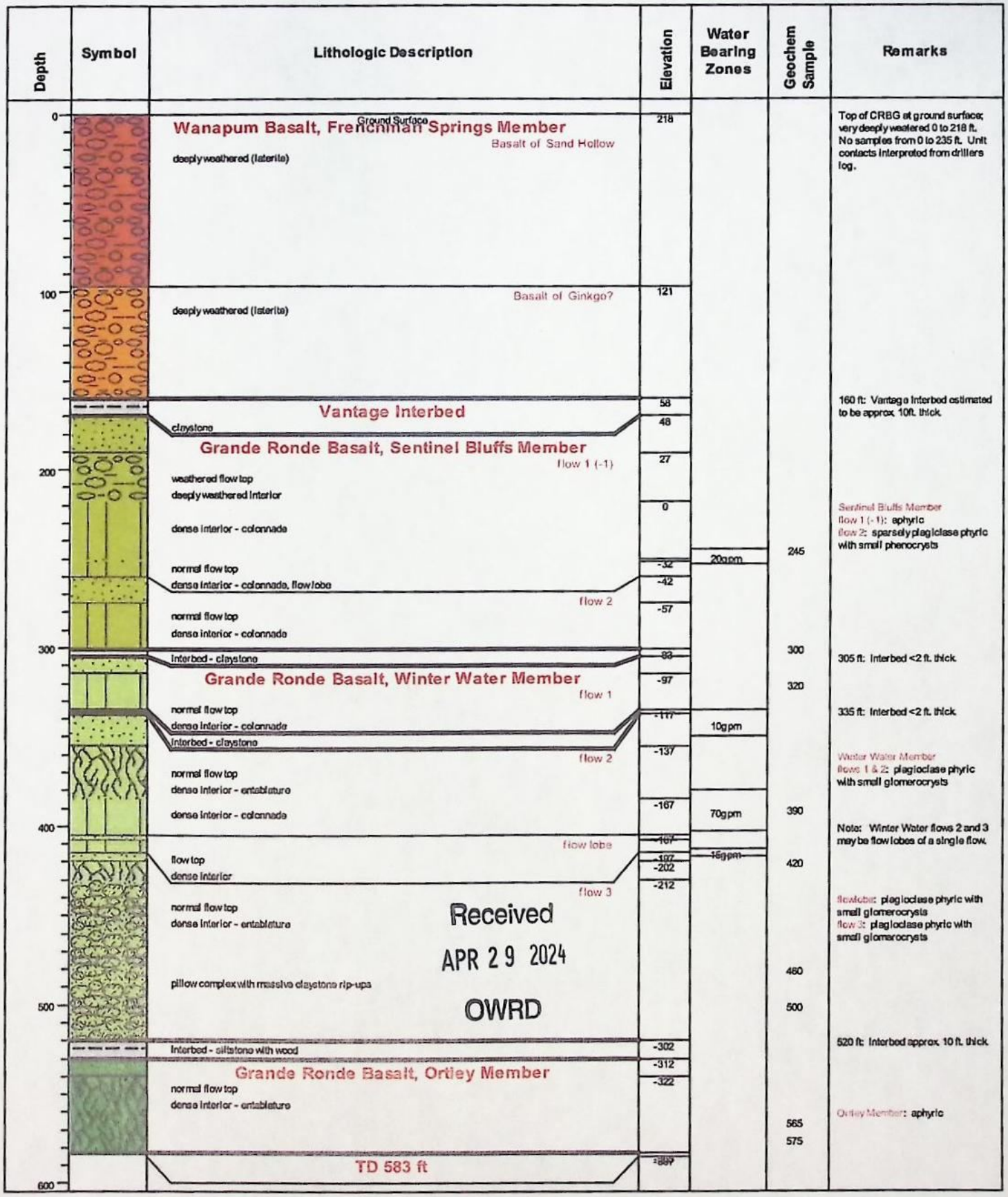
ORIGINAL & FIRST COPY - WATER RESOURCES DEPARTMENT SECOND COPY - CONSTRUCTOR THIRD COPY - CUSTOMER 9809C 3/

14450 -

Geologic Log For Site WASH 7691

NWIS Site ID: 453650123000301
OWRD Log ID: WASH 7691
Well location: 02N/03W-36CAA
Depth drilled, in feet below land surface: 583
Land surface altitude, in feet above Nation Geodetic Vertical Datum of 1929: 220

Logged by: T. L. Tolan and M. H. Beeson
Date drilled: 08/10/1989



STATE OF OREGON

WATER WELL REPORT

(as required by ORS 537.765)

JUN 10 1987 RECEIVED WRD/SH 013531 2N/3W-21dd

WATER RESOURCES DEPT JUL 09 1987 SALEM, OREGON

Well Number

(1) OWNER:

Name Harry Lazott

Address Rt 20 Box

City Banks State Or Zip 97106

(2) TYPE OF WORK:

☒ New Well ☐ Deepen ☐ Recondition ☐ Abandon

(3) DRILL METHOD

☒ Rotary Air ☐ Rotary Mud ☐ Cable

☐ Other

(4) PROPOSED USE:

☒ Domestic ☐ Community ☐ Industrial ☐ Irrigation

☐ Thermal ☐ Injection ☐ Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval Yes ☐ No ☒ Depth of Completed Well 500 ft.

Explosives used Yes ☐ No ☒ Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Amount sacks or pounds
10	0	100	Cement	0	100	28 sacks
6"	100	500				

How was seal placed: Method ☐ A ☐ B ☒ C ☐ D ☐ E

☐ Other

Backfill placed from ft. to ft. Material

Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6	+1	180	7	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:	4	10	500	160 RAB	☐	☒	☐	☐
					☐	☐	☐	☐

Final location of shoe(s) Drive shoe 180 ft

(7) PERFORATIONS/SCREENS:

☐ Perforations Method Drill

☐ Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
300	490	½	160			☐	☒
						☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

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

☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
50		480	1 hr.
40		420	½
15		360	½

Temperature of water 55 Depth Artesian Flow Found

Was a water analysis done? ☐ Yes By whom

Did any strata contain water not suitable for intended use? ☐ Too little

☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other

Depth of strata:

(9) LOCATION OF WELL by legal description:

County Wash Latitude Longitude

Township 2N N or S, Range 3W E or W, WM.

Section 21 NE ¼ SE ¼

Tax Lot Lot Block Subdivision

Street Address of Well (or nearest address) Hahn Rd.

(10) STATIC WATER LEVEL:

250 ft. below land surface. Date 5-19-87

Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:

Depth at which water was first found

From	To	Estimated Flow Rate	SWL
300	320	6	250
440	490	50	250

(12) WELL LOG:

Ground elevation

Material	From	To	SWL
Brn soil	0	2	
Red clay	2	40	
Tan clay	40	90	
Brn clay	90	140	
Brn clay - Broken rock	140	300	
Black Gravel - W.B.	300	320	250
Brn clay - Fayers rock	320	440	
Black Gravel W.B.	440	490	250
Brn clay	490	500	250

Received APR 29 2024 OWRD

Date started 5-18-87 Completed 5-19-87

(unbonded) Water Well Constructor Certification:

I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to my best knowledge and belief.

WWC Number

Signed Date

(bonded) Water Well Constructor Certification:

I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. all work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 711

Signed Joseph Trussell Date 5-21-87

WHITE COPIES - WATER RESOURCES DEPARTMENT YELLOW COPY - CONSTRUCTOR PINK COPY - CUSTOMER 9809C 10/88

14430

WASH 54161

RECEIVED

NOV 27 1998

WATER RESOURCES DEPT.
SALEM, OREGON

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

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

WELL I.D. # L 27709
START CARD # 118198

(1) OWNER: Well Number

Name BILL & RHONDA OWEN
Address 4850 NW KAHNEETA CRT.
City PORTLAND . State OR Zip 97229

(2) TYPE OF WORK

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

(3) DRILL METHOD:

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

(4) PROPOSED USE:

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

(5) BORE HOLE CONSTRUCTION:

Special Construction approval ☐ Yes ☒ No Depth of Completed Well 465 ft.
Explosives used ☐ Yes ☒ No Type ____ Amount ____

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
6	210	465	SEAL NOT DISTURBED			

How was seal placed: Method ☐A ☐B ☐C ☐D ☐E
☐ Other
Backfill placed from ____ ft. to ____ ft. Material ____
Gravel placed from ____ ft. to ____ ft. Size of gravel ____

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:	4½	0	455	200#	☐	☒	☒	☐
					☐	☐	☐	☐

Final location of shoe(s) 4½x6 K-Packer @ 355 (SEE NOTE)

(7) PERFORATIONS/SCREENS:

☒ Perforations Method SAW CUT
☐ Screens Type ____ Material PVC 200

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
435	455	1/8x12	80			☐	☒
						☐	☐
						☐	☐
						☐	☐
						☐	☐

Received
APR 29 2024
OWRD

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

☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
100+		350 to T.D.	1 hr.
60		180	"
18-20		100	"

Temperature of water 53°F Depth Artesian Flow Found ____
Was a water analysis done? ☒ Yes By whom AMJ
Did any strata contain water not suitable for intended use? ☐ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other ____
Depth of strata: ____

(9) LOCATION OF WELL by legal description:

County WASHINGTON Latitude ____ Longitude ____
Township 2N N or S Range 3W E or W. WM.
Section 36 NW 1/4 NW 1/4
Tax Lot 103 Lot ____ Block ____ Subdivision ____
Street Address of Well (or nearest address) 13990 NW OLD PUMPKIN RIDGE RD., CORNELIUS, OR

(10) STATIC WATER LEVEL:

62 ft. below land surface. Date 11/18/98
Artesian pressure ____ lb. per square inch. Date ____

(11) WATER BEARING ZONES:

Depth at which water was first found ?/210

From	To	Estimated Flow Rate	SWL
--	210	6 GPM	62
210	435	4 GPM	"
435	465	90+GPM	62

(12) WELL LOG:

Ground Elevation ____

Material	From	To	SWL
Existing 6" steel cased well	0	210	62
open hole			
Red minerals sludge & rock fragements	200	210	
Gray-black basalt, occ. blk lava	210	257	
Multi-colored claystone, ash, sconia coleamic debris	257	270	
Black basalt & lava, occ. broken, creviced	270	390	
Gray-black basalt, occ. lava streaks	390	438	
Black lava, very broken, occ. gray-black basalt	438	455	
Black & red basalt & lava	455	465	62
NOTE: Liner hung on packer @ 355', wedged on bell.			

Date started 11/12/98 Completed 11/18/98

(unbonded) Water Well Constructor Certification:

I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

WWC Number ____
Signed ____ Date ____

(bonded) Water Well Constructor Certification:

I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 573
Signed ____ Date 11/20/98

ORIGINAL – WATER RESOURCES DEPARTMENT FIRST COPY – CONSTRUCTOR SECOND COPY – CUSTOMER

14450 -

WASH. 55819

APR - 5 2000

WATER RESOURCES DEPT.
SALEM, OREGON

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

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

WELL I.D. # L 38991

START CARD # 129593

(1) OWNER: Well Number

Name CROPP FARMS

Address 31345 NW NORTH AVE.

City NORTH PLAINS State OR Zip 97133

(2) TYPE OF WORK

[X] New Well [ ] Deepening [ ] Alteration (repair/recondition) [ ] Abandonment

(3) DRILL METHOD:

[X] Rotary Air [X] Rotary Mud [ ] Cable [ ] Auger

[ ] Other

(4) PROPOSED USE:

[X] Domestic [ ] Community [ ] Industrial [ ] Irrigation

[ ] Thermal [ ] Injection [ ] Livestock [ ] Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval [ ] Yes [X] No Depth of Completed Well 420 ft.

Explosives used [ ] Yes [X] No Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
10	0	281	Cement	0	45	17 sks
			Drill gel	45	250	
8	281	363	Cement	250	363	28 sks
6	363	420				

How was seal placed: Method [ ] A [ ] B [X] C [X] D [ ] E

[ ] Other

Backfill placed from ft. to ft. Material

Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6"	+1	363	250	[X]	[ ]	[X]	[ ]
					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
Liner:					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:

[ ] Perforations Method

[ ] Screens Type Material

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

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APR 29 2024
OWRD

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

[ ] Pump [ ] Bailer [X] Air [ ] Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
45		400	1 hr.
36		250	"
21		150	"

Temperature of water 56°F Depth Artesian Flow Found

Was a water analysis done? [X] Yes By whom AMJ

Did any strata contain water not suitable for intended use? [ ] Too little

[ ] Salty [X] Muddy [ ] Odor [X] Colored [ ] Other

Depth of strata: 231-278' (SEALED OFF)

(9) LOCATION OF WELL by legal description:

County WASHINGTON Latitude Longitude

Township 2N N or S Range 3W E or W. WM.

Section 35 SE 1/4 NW 1/4

Tax Lot 500 Lot Block Subdivision

Street Address of Well (or nearest address) 34051 NW MTN DALE RD

(10) STATIC WATER LEVEL:

38 ft. below land surface. Date 03/30/2000

Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:

Depth at which water was first found 383

From	To	Estimated Flow Rate	SWL
383	388	21 GPM	38
391	405	24 GPM	38

(12) WELL LOG:

Ground Elevation

Material	From	To	SWL
Topsoil	0	1	
Brown clay	1	17	
Gray clay	17	24	
Sticky brown clay	24	102	
Sticky gray clay	102	130	
Fine to coarse black sand	130	141	
Sticky gray clay	141	178	
Fine gray sand w/wood	178	190	
Soft dark gray clay	190	231	
Fine to med. black gravel	231	243	wb
Fine to med. brown gravel	243	247	wb
Fine to med. black gravel	247	278	wb
Sticky gray clay	278	318	
Firm gray-brown basalt	318	329	
Soft brown basalt	329	350	
Firm gray-brown basalt	350	391	38
Soft dk. gray-brown basalt	391	405	38
Firm gray-brown basalt	405	412	
Hard gray basalt	412	420	

Date started 03/06/2000 Completed 03/30/2000

(unbonded) Water Well Constructor Certification:

I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

WWC Number

Signed Date

(bonded) Water Well Constructor Certification:

I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 1266

Signed Date 03/31/2000

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14450 -

STATE OF OREGON
WATER SUPPLY WELL REPORT
(ORS 537.765 & OAR 690-205-0210)
Instructions for completing this report are on the last page of this form.

WASH 71480

WELL LABEL # L 107489
START CARD # 207761
ORIGINAL LOG #

(1) LANDOWNER Owner Well I.D. _____
First Name Brady + Darci Last Name Wilson
Company _____
Address 1815 NW 143rd Ave B 28
City Portland State OR Zip 97229

(2) TYPE OF WORK ☒ New ☐ Conversion ☐ Deepening
☐ Alteration (complete Sections 2a & 10) ☐ Abandonment (complete Section 5a)

(2a) PRE-ALTERATION: Well Depth _____ ft.
Seal Material _____
Casing Type: ☐ Steel ☐ Plastic ☐ Other _____
Casing Gauge _____ Casing Diameter _____

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

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

(5) BORE HOLE CONSTRUCTION
Depth of Completed Well 486 ft. Special Standard: ☐ Yes (attach copy)

BORE HOLE Dia	From	To	SEAL Material	From	To	Amount	Sacks/lbs
10"	0	35	bentonite	0	35	50	
6"	35	98					
8"	98	133	cement	98	133	9	
6"	133	486					

How was seal placed: Method ☐ A ☐ B ☐ C ☒ D ☐ E
☒ Other bentonite poured in dry
Backfill placed from _____ ft. to _____ ft. Material _____
Filter pack from _____ ft. to _____ ft. Material _____ Size _____

(5a) ABANDONMENT USING UNHYDRATED BENTONITE:
Calculated Amount Proposed to be Used: _____ sacks/lbs
Actual Amount Used: _____ sacks/lbs

(6) CASING/LINER

Csng	Linr	Dia	+	From	To	Gauge	Steel	Plastic	Welded	Thrd
X		6"	+	1½	133½	250	X		X	
	X	4½		6	486			X		

Shoe ☐ Inside ☒ Outside ☐ Other Location of shoe(s) 133½
Temporary casing ☐ Yes Diameter _____ From _____ To _____

(7) PERFORATIONS/SCREENS
Perforations Method drilled
Screens Type _____ Material _____

Perf	Scrn	Csng	Linr	Screen Dia	From	To	Screen/ slot width	Slot length	# of slots	Tele/ pipe size
X			X		446	486	3/8"		120	4½

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

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)
60	200		1½ hrs

Temperature 55 °F Lab analysis ☐ Yes By _____
Water quality concerns? ☐ Yes (describe below) TDS _____ ppm

From	To	Description	Amount	Units

(9) LOCATION OF WELL (legal description)
County Washington Twp 2N N or S Range 3W E or W W.M.
Sec 29 NE 1/4 of the NW 1/4 Tax Lot 1400
Tax Map Number _____ Lot _____
Lat ___ ° ___ ' ___ . ___ " or _____ DMS or DD
Long ___ ° ___ ' ___ . ___ " or _____ DMS or DD
Street Address of Well (or nearest address) 15600 NW Roads En Banks Oregon 97106

(10) STATIC WATER LEVEL

	Date	SWL(psi)	+	SWL (ft)
Existing Well/Pre-Alteration				
Completed Well	1-29-13			232

Flowing Artesian? ☐ Yes Dry Hole? ☐ Yes
WATER BEARING ZONES Depth water was first found 350

SWL Date	From	To	Est Flow	SWL (psi)	+	SWL (ft)
1-29-13	350	365	10			232
1-29-13	415	430	15			232
1-29-13	472	486	35			232

(11) WELL LOG Ground Elevation _____

Material	From	To
brown soil	0	2
brown clay	2	5
red brown sandstone	5	12
red clay	12	48
brown clay	48	69
red clay	69	87
brown sandstone	87	98
grey rock	98	386
grey rock w/clay + wood	386	411
grey rock	411	460
grey rock w/clay + wood	460	471
grey rock	471	486

Date Started 11-19-12 Completed 1-29-13

(unbonded) Water Well Constructor Certification
I certify that the work I performed on the construction, deepening, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
License Number Received Date MAR 06 2013
Signed APR 29 2024 RECEIVED BY OWRD

(bonded) Water Well Constructor Certification
I accept responsibility for the construction, deepening, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
License Number 1430 Date 2-16-13
Signed _____ Received
Contact Info. (optional) APR 29 2024
14450 - OWRD

ORIGINAL – WATER RESOURCES DEPARTMENT ONE COPY FOR CONSTRUCTOR ONE COPY FOR CUSTOMER
SUBMITTED TO THE WATER RESOURCES DEPARTMENT WITHIN 30 DAYS OF COMPLETION OF WORK 01/02/2009

WASH 72830

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

WELL LABEL # L 113897

START CARD # 210675

(1) LAND OWNER

Owner Well I.D

First Name MATTHEW Last Name HUNT

Company

Address 32790 NW PEACEFUL LANE

City NORTH PLAINS State OR Zip 97133

(2) TYPE OF WORK

[X] New Well [ ] Deepening [ ] Conversion
[ ] Alteration (repair/recondition) [ ] Abandonment

(3) DRILL METHOD

[X] Rotary Air [ ] Rotary Mud [ ] Cable [ ] Auger [ ] Cable Mud
[ ] Reverse Rotary [ ] Other

(4) PROPOSED USE

[X] Domestic [ ] Irrigation [ ] Community
[ ] Industrial/ Commericial [ ] Livestock [ ] Dewatering
[ ] Thermal [ ] Injection [ ] Other

(5) BORE HOLE CONSTRUCTION

Special Standard [ ] Attach copy

Depth of Completed Well 515 ft.

BORE HOLE

Dia	From	To
10	0	30
6	30	350
8	350	428
5.5	428	515

SEAL

Material	From	To	Amt	sacks/ lbs
Bentonite	0	25	16	S
Cement	350	428	20	S

How was seal placed: Method [ ] A [X] B [ ] C [ ] D [ ] E

[X] Other POUR SLOWLY & PROD

Backfill placed from ft. to ft. Material

Filter pack from ft. to ft. Material Size

Explosives used: [ ] Yes Type Amount

(6) CASING/LINER

Casing	Liner	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
◉	○	6	X	2	428	250	◉	○	X	
○	○						○	○		
○	○						○	○		
○	○						○	○		
○	○						○	○		

Shoe [ ] Inside [ ] Outside [ ] Other Location of shoe(s)

Temp casing [ ] Yes Dia From To

(7) PERFORATIONS/SCREENS

Perforations Method

Screens Type Material

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

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

○ Pump ○ Bailer ◉ Air ○ Flowing Artesian

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)
80		515	1
80		425	.25
50		325	.25

Temperature 54 °F Lab analysis [ ] Yes By

Water quality concerns? [ ] Yes (describe below)

From	To	Description	Amount	Units

RECEIVED BY OWRD
JUL 17 2014

(9) LOCATION OF WELL (legal description)

County WASHING Twp 2 N N/S Range 3 W E/W WM

Sec 35 SW 1/4 of the NE 1/4 Tax Lot 207

Tax Map Number Lot

Lat ° ' " or DMS or DD

Long ° ' " or DMS or DD

( ) Street address of well (◉) Nearest address

32790 NW PEACEFUL LANE

(10) STATIC WATER LEVEL

	Date	SWL(psi)	+	SWL(ft)
Existing Well / Predeepening				
Completed Well	07-08-2014			59

Flowing Artesian? [ ] Dry Hole? [ ]

WATER BEARING ZONES Depth water was first found 434

SWL Date	From	To	Est Flow	SWL(psi)	+	SWL (ft)
07-07-2014	434	505	24			59
07-08-2014	505	515	56			59

(11) WELL LOG

Ground Elevation

Material	From	To
BROWN CLAY	0	19
GRAY CLAY	19	29
STICKY BROWN CLAY	29	43
SOFT BROWN SILTY CLAY	43	59
STICKY BROWN CLAY WITH GRAY STREAKS	59	135
STICKY GRAY CLAY WITH SOFT GRAY	135	
BROWN SEAMS		194
SOFT BROWN SANDY CLAY	194	198
STICKY GRAY CLAY WITH OCC. BROWN	198	
STREAKS		295
RED BROWN CLAY	295	314
BROWN, GRAY BROWN CLAY WITH BROKEN	314	
ROCK		363
GRAY&BROWN CLY W/ROTTEN WOOD STRK	363	405
GRAY BROWN CLAY	405	419
GRAY SANDSTONE WITH CLAY	419	433
GRAY CLAY	433	434
GRAY, GRAY BROWN BASALT	434	478
GRAY BASALT	478	515

Date Started 06-23-2014 Completed 07-08-2014

(unbonded) Water Well Constructor Certification

I certify that the work I performed on the construction, deepening, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

License Number 1492 Date 07-09-2014

Password : (if filing electronically)

Signed Meen Rigsby

Received
APR 29 2024

(bonded) Water Well Constructor Certification

I accept responsibility for the construction, deepening, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.

OWRD

License Number 1266 Date 07-09-2014

Password : (if filing electronically)

Signed

Contact Info (optional)

ORIGINAL - WATER RESOURCES DEPARTMENT

THIS REPORT MUST BE SUBMITTED TO THE WATER RESOURCES DEPARTMENT WITHIN 30 DAYS OF COMPLETION OF WORK

SALEM, OR

Form Version: 0.95

14450 -

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

Was 141

SEP 24 1990
WATER RESOURCES DEPT.
SALEM, OREGON

2N/3W/29 ba

(START CARD) # 20118

(1) OWNER: Well Number:
Name James & Chantal Tarsuda
Address 808 S.W. 175th Pl.
City Beaverton State OR Zip 97006

(2) TYPE OF WORK:
☒ New Well ☐ Deepen ☐ Recondition ☐ Abandon

(3) DRILL METHOD
☒ Rotary Air ☐ Rotary Mud ☐ Cable
☐ Other

(4) PROPOSED USE:
☒ Domestic ☐ Community ☐ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval Yes ☐ No ☑ Depth of Completed Well 455 ft.
Explosives used Yes ☐ No ☑ Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Amount sacks or pounds
10	0	179	Cement & Bentonite	0	179	38
6	179	455				

How was seal placed: Method ☐ A ☐ B ☑ C ☐ D ☐ E
☐ Other
Backfill placed from ft. to ft. Material
Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6	+1	179	250	☑	☐	☑	☐
Liner:	4	5	455		☐	☑	☐	☐

Final location of shoe(s) none

(7) PERFORATIONS/SCREENS:
☑ Perforations Method DRILL
☐ Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
435	455		40	5x8		☐	☑

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APR 29 2024
OWRD

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

Yield gal/min	Drawdown	Drill stem at	Time
5		440	1 hr.

Temperature of water Depth Artesian Flow Found
Was a water analysis done? ☐ Yes By whom
Did any strata contain water not suitable for intended use? ☐ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other
Depth of strata:

(9) LOCATION OF WELL by legal description:
County Wash Latitude Longitude
Township 2N N or S. Range 3W E or W. WM.
Section 29 NE ¼ NW ¼
Tax Lot 510 Lot Block Subdivision
Street Address of Well (or nearest address) Walker Road
Banks, OR.

(10) STATIC WATER LEVEL:
305 ft. below land surface. Date 9-19-9
Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:
Depth at which water was first found 374

From	To	Estimated Flow Rate	SW
374	383	3	30
393	397	2	30

(12) WELL LOG: Ground elevation

Material	From	To	SW
Red Clay	0	26	
Brn Clay	26	150	
Weathered Rock	150	165	
Md. Grey Rock	165	205	
Seamy Grey Rock	205	240	
Brn Rock	240	288	
Grey Rock	288	295	
Brn Rock	295	334	
Dark Grey Rock	334	346	
Grey Rock	346	374	
Black Por Rock	374	383	30
Grey Rock	383	393	
Black Rock	393	397	30
Brn Clay	397	402	
Blue Clay	402	406	
Brn/Grey Clay	406	418	
Dark Grey Sandstone	418	446	
Dark Grey Clay	446	455	

Date started 9-17-90 Completed 9-19-90

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, abandonment of this well is in compliance with Oregon well construct standards. Materials used and information reported above are true to my b knowledge and belief.
14450 WWC Number
Signed Date

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonm work performed on this well during the construction dates reported above. work performed during this time is in compliance with Oregon v construction standards. This report is true to the best of my knowledge a belief. WWC Number 715
Signed Don Frahm Date 9-20-90

ORIGINAL & FIRST COPY - WATER RESOURCES DEPARTMENT SECOND COPY - CONSTRUCTOR THIRD COPY - CUSTOMER 9809C

STATE OF OREGON

WATER WELL REPORT

(as required by ORS 537.765)

WATER RESOURCES DEPT.
SALEM, OREGON

WASH 0002

1N/3W/1C

(START CARD) # 13639

(1) OWNER: Well Number

Name Oregon Canadian Forest Prod., Inc.

Address P.O. Box 279

City North Plains State OR Zip 97133

(2) TYPE OF WORK:

☑ New Well ☐ Deepen ☐ Recondition ☐ Abandon

(3) DRILL METHOD

☑ Rotary Air ☐ Rotary Mud ☐ Cable

☐ Other

(4) PROPOSED USE:

☐ Domestic ☐ Community ☑ Industrial ☐ Irrigation

☐ Thermal ☐ Injection ☐ Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval Yes ☐ No ☑ Depth of Completed Well 380 ft.

Explosives used Yes ☐ No ☑ Type ____ Amount ____

HOLE Diameter	From	To	SEAL Material	From	To	Amount sacks or pounds
10	0	359	Cement + 5% Bent	0	359	140
8	359	380				

How was seal placed: Method ☐ A ☐ B ☐ C ☑ D ☐ E

☐ Other

Backfill placed from ____ ft. to ____ ft. Material ____

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

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	8	+1	359	250	☑	☐	☑	☐
Liner:	none				☐	☐	☐	☐

Final location of shoe(s) none

(7) PERFORATIONS/SCREENS: none

☐ Perforations Method ____

☐ Screens Type ____ Material ____

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

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

☐ Pump ☐ Bailer ☑ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
180		350	1 hr.
90		180	½ hr.

Temperature of water ____ Depth Artesian Flow Found ____

Was a water analysis done? ☐ Yes By whom ____

Did any strata contain water not suitable for intended use? ☐ Too little

☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other ____

Depth of strata: ____

(9) LOCATION OF WELL by legal description:

County Wash Latitude ____ Longitude ____

Township 1N N or S, Range 3W E or W, WM.

Section 1 ¼ SW ¼

Tax Lot ____ Lot ____ Block ____ Subdivision ____

Street Address of Well (or nearest address) 7408 West Commercial, North Plains

(10) STATIC WATER LEVEL:

95 ft. below land surface. Date 3-27-90

Artesian pressure ____ lb. per square inch. Date ____

(11) WATER BEARING ZONES:

Depth at which water was first found 367

From	To	Estimated Flow Rate	SWL
367	380	180	95

(12) WELL LOG: Ground elevation ____

Material	From	To	SWL
FILL	0	4	
BRN CLAY	4	23	
Blue CLAY	23	60	
TAN CLAY	60	84	
GREY CLAY	84	109	
LT BRN CLAY	109	135	
GREY CLAY	135	324	
WEATHERED ROCK	324	329	
BRN SEAMY ROCK	329	344	
MED GREY ROCK	344	367	
BRN POROUS ROCK	367	380	95

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APR 29 2024
OWRD

Date started 3-12-90 Completed 3-27-90

(unbonded) Water Well Constructor Certification:

I certify that the work I performed on the construction, alteration, abandonment of this well is in compliance with Oregon well construct standards. Materials used and information reported above are true to my b knowledge and belief.

WWC Number ____

Signed 14450 Date ____

(bonded) Water Well Constructor Certification:

I accept responsibility for the construction, alteration, or abandonm work performed on this well during the construction dates reported above. work performed during this time is in compliance with Oregon v construction standards. This report is true to the best of my knowledge belief.

WWC Number 215

Signed Don Feakes Date 3-30-90

ORIGINAL & FIRST COPY - WATER RESOURCES DEPARTMENT SECOND COPY - CONSTRUCTOR THIRD COPY - CUSTOMER 9809C

#18 STATE OF OREGON

Wash 199

1N/3W/1 CC

WATER WELL REPORT
(as required by ORS 537.765)

(START CARD) # 18727

(1) OWNER: Well Number
Name Forest Products Oregon Canadian Inc
Address
City North Plains State Ore Zip 97133

(2) TYPE OF WORK:
☐ New Well ☒ Deepen ☐ Recondition ☐ Abandon

(3) DRILL METHOD
☒ Rotary Air ☐ Rotary Mud ☐ Cable
☐ Other

(4) PROPOSED USE:
☐ Domestic ☐ Community ☒ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval Yes ☐ No ☐ Depth of Completed Well 500 ft.
Explosives used Yes ☐ No ☐ Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Amount sacks or pounds
8	380	500				

How was seal placed: Method ☐ A ☐ B ☐ C ☐ D ☐ E
☐ Other
Backfill placed from ft. to ft. Material
Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:					☐	☐	☐	☐
Existing well					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:
☐ Perforations Method
☐ Screens Type Material

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

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

Yield gal/min	Drawdown	Drill stem at	Time
500+	Full	500	1 hr.
250	Full	200	
120	Full	150	

Temperature of water 60° Depth Artesian Flow Found
Was a water analysis done? ☐ Yes By whom
Did any strata contain water not suitable for intended use? ☐ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other
Depth of strata:

(9) LOCATION OF WELL by legal description:
County Wash Latitude ' " Longitude ' "
Township 1N N or S, Range 3W E or W, WM.
Section 1 SW ¼ SW ¼
Tax Lot Lot Block Subdivision
Street Address of Well (or nearest address) 7408 West Commercial - North Plains Ore

(10) STATIC WATER LEVEL:
95 ft. below land surface. Date June 13
Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:
Depth at which water was first found

From	To	Estimated Flow Rate	SWL
Existing well		150±	95
413	434	150±	95
475	500	150±	95

(12) WELL LOG: Ground elevation 200±

Material	From	To	SWL
Existing well 380 deep			
Broken Brown Basalt	380	413	
Dark gray Basalt broken	413	434	
Blue Basalt with holes	434	475	
Brown Basalt Broken w/holes	475	500	

RECEIVED
DEC 17 1990
WATER RESOURCES DEPT.
SALEM, OREGON
Received
APR 29 2024
OWRD

Date started June 12 Completed 13 June

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, abandonment of this well is in compliance with Oregon well constructi standards. Materials used and information reported above are true to my b knowledge and belief. 14450 WWC Number
Signed Date

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonm work performed on this well during the construction dates reported above. work performed during this time is in compliance with Oregon w construction standards. This report is true to the best of my knowledge a belief. WWC Number 128
Signed Gale D. Abernathy Date June 19

ORIGINAL & FIRST COPY - WATER RESOURCES DEPARTMENT SECOND COPY - CONSTRUCTOR THIRD COPY - CUSTOMER 9809C

CwM-H2O
Complete Water Management

April 17, 2024

Oregon Water Resources Department
Attn: *Water Rights Services Division*
725 Summer St. NE Ste A
Salem, Oregon 97301

RE: CITY OF BANKS – PERMANENT TRANSFER APPLICATION FOR CERTIFICATE 95849

Dear OWRD Staff,

Please find accompanying this letter an Application for Permanent Water Right Transfer for the City of Banks (City) Certificate 95849. The City currently has one point of appropriation (POA) on this right, City Well-2. The City is proposing to add six potential well locations distributed throughout the City with the intent of eventually developing viable wells at up to three locations. No change the place of use or character of use is proposed.

The goals of this transfer are threefold. While Well-2's infrastructure has the capacity to produce the full water right rate (1.0 cfs), local drawdown response limits long-term production at that rate. Additional wells would allow the City to minimize that drawdown effect by distributing production across multiple wells. Similarly, additional wells would allow for rotational pumping operations to optimize production under this right to support future peak demands. Finally, the proposed wells will be critical for the testing and operation of the City's proposed Aquifer Storage and Recovery system.

The proposed well locations are not on City-owned property. One of the proposed POAs (WTP) is located on a lot that the City is currently in negotiations to purchase. The remaining POAs are on developer-owned lands. The City has obtained agreements with the landowners for access to drill, construct, develop, and operate municipal wells at the proposed locations. Landowner consent forms are included in this application package (Attachment 3).

The Permanent Water Right Transfer application is accompanied by a variety of supplemental forms and attachments:

- Reimbursement Authority (RA) Request for Expedited Review
- Attachment 1 – Transfer Map
- Attachment 2 – Evidence of Use Affidavit
- Attachment 3 – Landowner Consent Form
- Attachment 4 – Land Use Information Form
- Attachment 5 – Well-2 Well Log
- Attachment 6 – Basalt Aquifer Memorandum
- A check from the City for the RA fee of $125
- A check from the City for the transfer application fee of $3,890

311 B Avenue, Suite P Lake Oswego, OR 97034
Complete Water Management | CwMH2O.com

Please let us know if there are any issues with processing this application or questions regarding the information included therein. Thank you for your assistance.

Sincerely,

CwM H2O, L.L.C.

Robert Long, CWRE

311 B Avenue, Suite P, Lake Oswego, OR 97034
Complete Water Management | CwMH2O.com

Permanent Transfer Application Checklist

Check the Certificates in WRIS **Transfer # T-14450**

Checked by __Dante_____ **Date** ___5/2/2024_____	**Type of Change(s) Proposed:** **NO other changes allowed other than those listed**	
Fee Received: **$3890**	☐ POU ☐ POD ☐ APOD ☐ POA ☒ APOA ☐ USE	
Calculated Fee: **$3890**		*How many rights to be Transferred?* *1*
Deficiencies and Observations:		*Certificate #(s)* *95849*

If **OK, check box; if not, fill in.**

☒ **1.** Is the applicant information complete? Have all the applicants listed at the top of the page signed at the bottom?
If not, what is missing? Whose signature is missing? _____

☒ **2.** Has the applicant indicated that the place of use is in or near an irrigation district? Have they included a Form D? ☒ N/A.
Name of the District _____

☒ **3.** Part 5 of application, has the applicant completed the entire page and does the information match the description of the explanation of the reasons on Part 4 of the application?
If not, you may need to contact the applicant or agent? _____

☒ **4.** For multiple certificates, do each of the certificates listed on Application Page 1 have their own separate completed Part 5 tables 1 & 2? *(compare with OAR 690-380-3220-may need to return)*
If no, which certificates are missing a separate Part 5, tables 1 & 2? _____

☒ **5.** Has the map been completed and signed by a CWRE? Does the map meet the requirements?
If not, what is missing? _____. Map waiver included? ☐

☒ **6.** If a change in point of appropriation, have the well logs been included? ☐ N/A.

☒ **7.** If a change in place of use within Umatilla County, have the applicant(s) provided a Supplemental Form U? ☒ N/A.

☒ **8.** Has applicant filled out the Minimum Requirements Checklist (Part 1 of 5)? Is the application complete? If not, what is missing (check Evidence of Use and Land Use)?_____
_____

☒ **9.** If all boxes on this checklist are checked (with no remaining deficiencies identified), accept the application. Put this check sheet in the transfer folder.

OR:

☐ This application is deficient, and **CANNOT** be accepted.
It should be returned and the **deficiencies listed in the "staff" section at the bottom of Application Page 1**, unless the applicant or agent can resolve the deficiencies within 2-3 days.

Actions taken:

_____date_____

Revised 12/2022.krf

STATE OF OREGON
WATER RESOURCES DEPARTMENT

725 Summer St. N.E. Ste. A
SALEM, OR 97301-4172
(503) 986-0900 / (503) 986-0904 (fax)

RECEIPT # 142942 INVOICE # _____

RECEIVED FROM: City of Banks
BY: _____

APPLICATION	
PERMIT	
TRANSFER	T-14450

CASH: ☐ CHECK:# ☒ 26996 OTHER: (IDENTIFY) ☐ _____

TOTAL REC'D $2,820.00

1083 TREASURY 4170 WRD MISC CASH ACCT

0407	COPIES	47124 R.11500-25	$
0412	OTHER:	(IDENTIFY) Transfer R.A.	$2,820.00

0243 I/S Lease _____ 0244 Muni Water Mgmt. Plan _____ 0245 Cons. Water _____

4270 WRD OPERATING ACCT

	MISCELLANEOUS				
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		LICENSE FEE	
0218	WELL DRILL CONSTRUCTOR	$	0219	$	
	LANDOWNER'S PERMIT		0220	$	

_____ OTHER (IDENTIFY) _____

0536 TREASURY 0437 WELL CONST. START FEE

0211	WELL CONST START FEE	$	CARD#	
0210	MONITORING WELLS	$	CARD#	

_____ OTHER (IDENTIFY) _____

0607 TREASURY 0467 HYDRO ACTIVITY

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

_____ TREASURY OTHER / RDX

FUND _____ TITLE _____
OBJ. CODE _____ VENDOR # _____
DESCRIPTION _____ $

RECEIPT: 142942 DATED: 5/17/24 BY: _____

Distribution – White Copy - Customer, Yellow Copy - Fiscal, Blue Copy - File, Buff Copy - Fiscal

CITY OF BANKS

26996

Oregon Water Resource Dept

5/14/2024

Date	Type	Reference	Original Amt.	Balance Due	Discount	Payment
5/14/2024	Bill		2,820.02	2,820.02		2,820.02
					Check Amount	2,820.02

Received

MAY 17 20[illegible]

OWRD

Checking

Application Number: T-14450

2,820.02

STATE OF OREGON
WATER RESOURCES DEPARTMENT
725 Summer St. N.E. Ste. A
SALEM, OR 97301-4172
(503) 986-0900 / (503) 986-0904 (fax)

RECEIPT # 142818 INVOICE # _____

RECEIVED FROM: City of Banks
BY: _____

APPLICATION	
PERMIT	
TRANSFER	T-14450

CASH: ☐ CHECK:# ☒ 26907 OTHER: (IDENTIFY) ☐ _____

TOTAL REC'D $ 125.00

1083 TREASURY 4170 WRD MISC CASH ACCT

0407	COPIES	47124 R11500-25	$
0412	OTHER:	(IDENTIFY) Toilsto P-A	$ 125.00

0243 I/S Lease _____ 0244 Muni Water Mgmt. Plan _____ 0245 Cons. Water _____

4270 WRD OPERATING ACCT

	MISCELLANEOUS				
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		LICENSE FEE	
0218	WELL DRILL CONSTRUCTOR	$	0219	$	
	LANDOWNER'S PERMIT		0220	$	

_____ OTHER (IDENTIFY) _____

0536 TREASURY 0437 WELL CONST. START FEE

0211	WELL CONST START FEE	$	CARD#	
0210	MONITORING WELLS	$	CARD#	

_____ OTHER (IDENTIFY) _____

0607 TREASURY 0467 HYDRO ACTIVITY LIC NUMBER

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

_____ TREASURY OTHER / RDX

FUND _____ TITLE _____
OBJ. CODE _____ VENDOR # _____
DESCRIPTION _____ $

RECEIPT: 142818 DATED: 4-29-2024 BY: Lacy Miller

Distribution – White Copy - Customer, Yellow Copy - Fiscal, Blue Copy - File, Buff Copy - Fiscal

CITY OF BANKS

26907

Oregon Water Resource Dept

4/10/2024

Date	Type	Reference	Original Amt.	Balance Due	Discount	Payment
4/10/2024	Bill		125.00	125.00		125.00
					Check Amount	125.00

Well #1 - For RA Application

Received
APR 29 2024
OWRD

Checking 125.00

STATE OF OREGON

WATER RESOURCES DEPARTMENT

725 Summer St. N.E. Ste. A
SALEM, OR 97301-4172
(503) 986-0900 / (503) 986-0904 (fax)

RECEIPT # 142828 INVOICE # _____

RECEIVED FROM: City of Bonn

BY: _____

APPLICATION	
PERMIT	
TRANSFER	T-14450

CASH: ☐ CHECK:# ☒ 21906 OTHER: (IDENTIFY) ☐ _____

TOTAL REC'D $ 3,890.00

1083 TREASURY 4170 WRD MISC CASH ACCT

0407	COPIES		$
_____	OTHER:	(IDENTIFY) _____	$

0243 I/S Lease _____ 0244 Muni Water Mgmt. Plan _____ 0245 Cons. Water _____

4270 WRD OPERATING ACCT

46110

	MISCELLANEOUS				
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	$ 3,890			
	WELL CONSTRUCTION	EXAM FEE		LICENSE FEE	
0218	WELL DRILL CONSTRUCTOR	$	0219	$	
	LANDOWNER'S PERMIT		0220	$	

_____ OTHER (IDENTIFY) _____

0536 TREASURY 0437 WELL CONST. START FEE

0211	WELL CONST START FEE	$	CARD#	
0210	MONITORING WELLS	$	CARD#	

_____ OTHER (IDENTIFY) _____

0607 TREASURY 0467 HYDRO ACTIVITY

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

_____ TREASURY OTHER / RDX

FUND _____ TITLE _____

OBJ. CODE _____ VENDOR # _____

DESCRIPTION _____ $

RECEIPT: 142828 DATED: 4-29-2024 BY: _____

Distribution – White Copy - Customer, Yellow Copy - Fiscal, Blue Copy - File, Buff Copy - Fiscal

CITY OF BANKS

26906

Oregon Water Resource Dept

4/10/2024

Date	Type	Reference	Original Amt.	Balance Due	Discount	Payment
4/10/2024	Bill		3,890.00	3,890.00		3,890.00
					Check Amount	3,890.00

Well #2 - For Transfer Application

Received
APR 29 2024
OWRD

Checking 3,890.00