

Application No. G-18894

Permit No. _____

Certificate No. _____

FEES PAID

Date	Amount	Receipt No.
12-18-19	\$ 3,440.00	131550
8-16-24	\$ 480.00	143549

Date

DENIED _____

MISFILED _____

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Volume | Page

FEES REFUNDED

Date	Amount	Receipt No.

Cert. Fee

Name G-18894
 Applicant Gregory L Bingaman
 Address 64088 McDonald Lane
La Grande OR 97850

Priority 12/14/2019

County Union WM# 6

RELATED FILES

G-18895

ASSIGNMENTS

Date	To Whom	Address

DEVELOPMENT

Date

Completion _____

Extended to _____

Final Proof received _____

Proposed Cert. Mailed _____

REMARKS _____

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SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

G-18894
 Gregory L. Bingaman
 64088 McDonald Lane
 La Grande, OR 97850



9590 9402 7704 2122 6638 17

2. Article Number (Transfer from service label)

7022 3330 0000 2912 2110

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *ASB*

- Agent
- Addressee

B. Received by (Printed Name)

Greg Bingaman

C. Date of Delivery

7/12

D. Is delivery address different from item 1? If YES, enter delivery address below:

- Yes
- No

Received

JUL 15 2024

OWRD

3. Service Type

- Adult Signature
- Adult Signature Restricted Delivery
- Certified Mail®
- Certified Mail Restricted Delivery
- Collect on Delivery
- Collect on Delivery Restricted Delivery
- Insured Mail
- Insured Mail Restricted Delivery (over \$500)

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PS Form 3811, July 2020 PSN 7530-02-000-9053 **TM/AM - PFO**

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Received by OWRD
AUG 16 2024
Salem, OR

Date Received (Date Stamp Here)

OWRD Over-the-Counter Submission Receipt

Applicant Name(s) & Address: Gregory Bingaman
44088 McDonald Ln, La Grande OR 97850

Transaction Type: Protest

Fees Received: \$ 480.00

Cash Check: Check No. 959370
Name(s) on Check: Stoel River

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

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

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

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

Sincerely,
OWRD Customer Service Staff

Submission received by: Corie Lowman
(Name of OWRD staff)

Instructions for OWRD staff:

- Complete this Submission Receipt and make two (2) copies. Place one copy with the check/cash; and place the other copy with the submission (i.e., the application or other document).
- Date-stamp all pages. (NOTE: Do not stamp check.)
- Give this original Submission Receipt to the applicant.
- Record Submission Receipt information on the "RECEIVED OVER THE COUNTER" log sheet.
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Received by OWRD
AUG 16 2024
Salem, OR

Date Received (Date Stamp Here)

OWRD Over-the-Counter Submission Receipt

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44088 McDonald Ln, LaGrande OR 97850

Transaction Type: Protest

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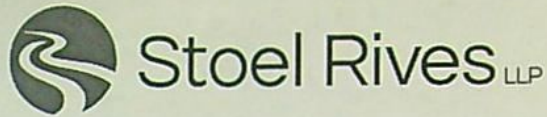
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(Name of OWRD staff)

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August 16, 2024

Kirk B. Maag
760 SW Ninth Avenue, Suite 3000
Portland, OR 97205
D. 503.294.9546
kirk.maag@stoel.com

VIA HAND DELIVERY

Ivan Gall
Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, OR 97301-1271

Re: Protests of Gregory L. Bingaman in the Matters of Water Right Applications G-18894 and G-18895

Dear Director Gall:

This firm represents Gregory L. Bingaman in connection with the above-referenced matters. Enclosed please find the original and one copy of each of the following:

1. Protest of Gregory L. Bingaman and Request for Contested Case Hearing in the matter of Water Right Application G-18894 in the Name of Gregory L. Bingaman; and
2. Protest of Gregory L. Bingaman and Request for Contested Case Hearing in the matter of Water Right Application G-18895 in the Name of Gregory L. Bingaman and Equitable Life Insurance Co. c/o Equitable AgriFinance LLC.

The required filing fees for each Protest are also enclosed.

Please contact me at (503) 294-9546 or kirk.maag@stoel.com if you have any questions regarding this letter or the Protest.

Very truly yours,

A handwritten signature in blue ink, appearing to be 'Kirk B. Maag', written over a printed name.

Kirk B. Maag

Enclosures
cc: Gregory Bingaman

Received by OWRD

AUG 16 2024

Salem, OR

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 # **143549**

INVOICE # _____

RECEIVED FROM: Stout River LLC
BY: _____

APPLICATION 6-18894
PERMIT _____
TRANSFER _____

CASH: CHECK:# 959370 OTHER: (IDENTIFY)

TOTAL REC'D \$ 480.00

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

MISCELLANEOUS 47235
0407 COPY & TAPE FEES \$ _____
0410 RESEARCH FEES \$ _____
0408 MISC REVENUE: (IDENTIFY) _____ \$ _____
TC162 DEPOSIT LIAB. (IDENTIFY) _____ \$ _____
0240 EXTENSION OF TIME \$ _____

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

WELL CONSTRUCTION:
0218 WELL DRILL CONSTRUCTOR EXAM FEE \$ _____ 0219 LICENSE FEE \$ _____
LANDOWNER'S PERMIT 0220 LICENSE FEE \$ _____

0223 OTHER (IDENTIFY) Protest # 480.00

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: **143549**

DATED: 8-16-24 BY: hsu DM

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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 # **143549**

INVOICE # _____

RECEIVED FROM: Stout River LLC
BY: _____

APPLICATION 6-18894
PERMIT _____
TRANSFER _____

CASH: CHECK:# 959370 OTHER: (IDENTIFY)

TOTAL REC'D \$ 480.00

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

MISCELLANEOUS 47235
0407 COPY & TAPE FEES \$ _____
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0408 MISC REVENUE: (IDENTIFY) _____ \$ _____
TC162 DEPOSIT LIAB. (IDENTIFY) _____ \$ _____
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0210 MONITORING WELLS \$ _____ CARD# _____

OTHER (IDENTIFY) _____

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HYDRO APPLICATION \$ _____

TREASURY OTHER / RDX

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

RECEIPT: **143549**

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STATE OF OREGON
WATER RESOURCES DEPARTMENT
WATER RIGHT SERVICES DIVISION

Before the Director of the Water Resources Department

In the Matter of Water Right)
Application G-18894 in the Name of)
Gregory L. Bingaman) **PROTEST OF GREGORY L.
BINGAMAN AND REQUEST FOR
CONTESTED CASE HEARING**

On July 2, 2024, the Oregon Water Resources Department (the "Department") issued a proposed final order ("PFO") recommending denial of water right application G-18894 (the "Application") filed by Gregory L. Bingaman ("Protestant") on December 16, 2019.¹ Pursuant to ORS 537.621(7) and OAR 690-310-0160, Protestant protests the PFO and requests a contested case hearing.²

1. Protestant's Name, Address, and Telephone Number

Protestant's contact information is as follows:

Gregory L. Bingaman
64088 McDonald Lane
La Grande, OR 97850
(541) 786-1000 (telephone)

Orders, notices, and other correspondence concerning this matter should be sent to legal counsel representing Protestant in this matter as follows:

Kirk B. Maag
Merissa A. Moeller
Hayley K. Siltanen
Stoel Rives LLP
760 SW Ninth Avenue, Suite 3000
Portland, OR 97205
(503) 294-9546 (telephone)
kirk.maag@stoel.com
merissa.moeller@stoel.com
hayley.siltanen@stoel.com

Received by OWRD
AUG 16 2024
Salem, OR

¹ The PFO is attached hereto as Exhibit A, and the Application is attached as Exhibit B.

² Concurrent with the filing of this Protest, Protestant is filing a separate protest of the proposed final order issued by the Department on July 2, 2024, recommending denial of water right application G-18895 (the "G-18895 Application"). The G-18895 Application proposes to appropriate water from the same point of appropriation (a well) that is proposed in this Application.

2. Protestant's Interest in the PFO

The Application proposes appropriation of 5.18 cubic feet per second ("cfs"), not to exceed 932.67 acre-feet annually, from an existing well (UNIO 50684) (the "Existing Well") in Canyon Creek Basin. Water would be used during the period of March 1 through October 1 for primary irrigation of approximately 310.89 acres located in Sections 13 and 14, Township 2 South, Range 38 East, Willamette Meridian (the "Subject Property"). As the applicant, Protestant has a direct and immediate interest in the PFO proposing to deny the Application.

Protestant requires the proposed water right to irrigate and farm the Subject Property, which Protestant leases from Speckhart Farms Inc. The Subject Property does not have any existing irrigation rights. Accordingly, Protestant requires the proposed water right to grow desired crops on the Subject Property pursuant to the farm lease.

Protestant owns and operates the Existing Well. The Existing Well is the authorized point of appropriation for three existing water rights: Certificate 89503, Permit G-12738, and Permit G-15160. Although these existing water rights authorize pumping from the Existing Well, they are not authorized for use on the Subject Property. These water rights are further described in the following table.

Water Right	Rate (cfs)	Priority	Use	Claim of Beneficial Use Filed
Certificate 89503	0.91	01/31/2003	Irrigation of 72.94 acres	06/28/2004
Permit G-12738	2.00	11/17/1994	Irrigation of 160 acres	01/30/2004
Permit G-15160	3.79	04/02/2001	Irrigation of 308.6 acres	06/28/2004

The Existing Well is improved with an existing 150 horsepower motor and American Turbine pump. The well and pump supply a 10-inch above-ground steel mainline that crosses McDonald Road and flows south to the Subject Property. If the Application is approved, Protestant will install new mainlines and sprinklers on the Subject Property to distribute water from the Existing Well, pursuant to Protestant's lease.

Due to the local dry climate, the Application requests a diversion rate of 1/60th cfs per acre irrigated. Prior to filing the Application, Protestant's agent consulted with the Watermaster for District 6, who agreed that a rate of 1/60th cfs per acre was appropriate and that a rate of 1/80th cfs per acre would be inadequate to satisfy irrigation demand for the Subject Property.³

3. Procedural Background

As noted above, Protestant submitted the Application on December 16, 2019. The following day, the Department notified Protestant that it had received the Application and the Department's next step would be to complete a groundwater review, which could "take approximately 6-9 months to complete, sometimes longer."⁴ On February 14, 2020, the

³ Exhibit B, at 6,8.

⁴ The letter from the Department dated December 17, 2019, is attached as Exhibit C.

Department completed the groundwater review (the “Original Groundwater Review”) for the Application.⁵ Approximately six months later, on August 7, 2020, the Department issued its Initial Review.⁶ The Initial Review determined that “[g]roundwater will likely be available within the capacity of the resource[.]”⁷ Based on consideration of all relevant factors, the Initial Review determined that the requested appropriation of 5.18 cfs from the Existing Well was allowable.⁸

On March 9, 2023, more than three years after the Original Groundwater Review was issued, the Department completed a modified groundwater review for the Application (the “Modified Groundwater Review,” and together with the Original Groundwater Reviews, the “Groundwater Reviews”).⁹ The Modified Groundwater Review determined, for the first time, that groundwater for the proposed use would not “likely [] be available within the capacity of the groundwater resource.”¹⁰ On July 2, 2024, the Department issued the PFO.¹¹ This Protest follows.

4. Argument

The Department must approve an application for a groundwater permit if the proposed use of groundwater will ensure the preservation of the public welfare, safety and health as described in ORS 537.525. ORS 537.625(1). If the following four criteria are satisfied, then the proposed use is presumed to ensure the preservation of the public welfare, safety, and health:

- 1) “the proposed use is allowed in the applicable basin program established pursuant to ORS 536.300 and 536.340 or given a preference under ORS 536.310(12)”;
- 2) “water is available”;
- 3) “the proposed use will not injure other water rights”; and
- 4) “the proposed use complies with rules of the Water Resources Commission.”

ORS 537.621(2); OAR 690-310-0130(1).

In the PFO, the Department concluded that the Application satisfies the first, third, and fourth criteria necessary to establish the presumption of public welfare, safety, and health.¹² Regarding the *first criterion*, the PFO recognized: (i) that irrigation is allowed under the Grande Ronde Basin Program, *see* OAR 690-508-0020(1)(a);¹³ and, (ii) that the proposed groundwater use is not within a designated critical groundwater area.¹⁴ Regarding the *third criterion*, the PFO

⁵ The Original Groundwater Review is attached as Exhibit D.

⁶ The Initial Review is attached as Exhibit E.

⁷ Exhibit E, at 1.

⁸ Exhibit E, at 2.

⁹ The Modified Groundwater Review is attached as Exhibit F.

¹⁰ Exhibit F, at ¶ B1.c.

¹¹ By issuing the PFO almost three years after issuing the Initial Review, the Department failed to comply with its statutory duty to issue the PFO within 60 days of notifying Protestant of the Department’s preliminary determinations. ORS 537.621(1).

¹² Exhibit A, at ¶¶ 6-7, 10-12.

¹³ The Subject Property is located within the Middle Grande Ronde Basin. *See* State Water Res. Bd., *Grande Ronde River Basin*, 106 (Sept. 1960) (describing location of Middle Grande Ronde Basin).

¹⁴ Exhibit A, at ¶¶ 6, 7.

concluded that, if properly conditioned, the proposed groundwater use will not injure other water rights.¹⁵ Regarding the *fourth criterion*, the PFO concluded that the proposed use: (i) is allowed as of right by the relevant land-use planning jurisdiction; and (ii) will not measurably reduce the surface water flows necessary to maintain the free-flowing character of the Wallowa-Grande Ronde State Scenic Waterway in quantities necessary for recreation, fish, and wildlife.¹⁶

According to the PFO, the only criterion not satisfied by the Application is the *second criterion*, which requires that “water is available.” See ORS 537.621(2); OAR 690-310-0130(1)(b). Specifically, the PFO concluded that although groundwater is “not over-appropriated,” it is “not available within the capacity of the resource,” and therefore “groundwater is not available for the proposed use.”¹⁷ On that basis, the PFO concluded that the proposed groundwater use will not ensure the preservation of the public welfare, safety and health under ORS 537.525.¹⁸ Because water is available for the proposed use, and therefore the public welfare, safety and health presumption is established, the Department was required to issue a PFO proposing to approve the Application. ORS 537.621(2).

a. Water Is Available

The Department’s water availability analysis is flawed for several reasons. First, the PFO applied an erroneous legal standard to evaluate whether “water is available.” Second, the PFO concluded that water is not available, even though the proposed water source is not over-appropriated. Third, the finding in the PFO that the proposed groundwater use is not available within the “capacity of the resource” is not supported by substantial evidence and based on an incorrect application of the controlling legal standard.

i. The PFO applies an erroneous standard to determine whether “water is available.”

The PFO applied an erroneous standard to determine whether “water is available” for the use proposed by the Application. By doing so, the PFO misinterpreted and misapplied state statute and the Department’s own rules.

Under the Department’s rules, which are currently in effect and govern all pending applications for groundwater permits, “[w]ater is available” for the purpose of evaluating an application for a proposed groundwater use if “[t]he requested source is not over-appropriated under OAR 690-400-0010 and 690-410-0070 during any period of the proposed use[.]” OAR 690-300-0010(57); see OAR 690-400-0010(11) (defining “over-appropriated”); OAR 690-410-0070(b) (“The groundwater of the state shall be allocated to new beneficial uses when the allocations will not contribute to the over-appropriation of groundwater sources.”).

¹⁵ Exhibit A, at ¶ 10. Although the PFO does not specify the condition(s) that would be necessary to prevent injury, the Groundwater Reviews recommend a condition requiring yearly static water level measurements be take and that Department staff be granted access to the Existing Well to conduct static water level measurements. Exhibit F, at ¶¶ B1.d, C6.

¹⁶ Exhibit A, at ¶¶ 11, 12.

¹⁷ Exhibit A, at ¶ 8.

¹⁸ Exhibit A, at p. 4 (“Conclusion of Law”).

The PFO correctly applied that governing legal standard to the extent it concluded that “groundwater for the proposed use is not over-appropriated[.]”¹⁹ The PFO should have stopped there. If the groundwater source “is not over-appropriated,” then “[w]ater is available.” OAR 690-300-0010(57). Instead, the PFO went on to state:

Groundwater for the proposed use is not over-appropriated;
however, groundwater for the proposed use is not available within
the capacity of the resource. Therefore, groundwater is not
available for the proposed use.²⁰

Thus, the PFO decided that, even though groundwater is not over-appropriated, water is not available because groundwater “is not available within the capacity of the resource.”²¹ This reasoning inserts a requirement into the legal standard for determining whether water is available that is contrary to the Department’s own rules and the state statute authorizing those rules. *See* ORS 537.621(2).

In inventing the “capacity of the resource” as a legal standard to review groundwater applications, the Department appears to have drawn from the legislative policy statement at ORS 537.525, as further reflected in the Department’s rules in OAR 690-410-0070. ORS 537.525 identifies a state policy interest in “beneficial use without waste, within the capacity of available sources.” ORS 537.525(3). This policy statement is echoed in OAR 690-410-0070(1), which identifies the policy to allocate water “within the capacity of the resource.” The declaration that water “be allocated within the capacity of the resource” is a statement of general state policy, which is not an appropriate or applicable standard for evaluating an application for a proposed water use. Instead, that policy is “achieve[d]” through the Department’s programs. OAR 690-410-0070(2). And the Department’s programs are guided by the “principles” in OAR 690-410-0070(2), which include that: “[t]he groundwater of the state shall be allocated to new beneficial uses when the allocations will not contribute to the over-appropriation of groundwater sources.” OAR 690-410-0070(2)(b) (emphasis added). The phrase “capacity of the resource” does not appear anywhere else in the Department’s rules governing applications for new water uses. That is because it is not a legal standard for evaluating such uses.

By reading the term “capacity of the resource” into the standard for determining whether “water is available,” it appears that the Department is attempting to apply its not-yet finalized or adopted proposed groundwater allocation rules (the “Proposed Rules”) to the Application.²² For example, the Proposed Rules would modify the definition of “water is available” and establish a new principle requiring the Department to make an affirmative finding that water is available—as opposed to a determination that a proposed use will not contribute to over-appropriation of the groundwater source—before allocating groundwater for new uses.²³ This change in the Proposed

¹⁹ Exhibit A, at ¶ 8 (emphasis added).

²⁰ Exhibit A, ¶ 8 (emphasis added).

²¹ Exhibit A, ¶ 8.

²² *See* Or. Water Res. Dept., Notice of Proposed Rulemaking, *Amend, repeal or adopt rules pertaining to allocation of new groundwater rights* (Feb. 22, 2024).

²³ *See id.* at 30. The Proposed Rules would modify OAR 690-410-0070(2)(b) as follows:

Rules is consistent with what the Department has done in the PFO, which is to expand the evaluation of whether “water is available” beyond whether water is “over-appropriated.”

The Department is required to review the Application based on existing law, not based on changes in the law that the Department wishes to see. The Water Resources Commission has sole authority to adopt rules, ORS 536.025(1), (2), and the Department “may apply only those rules . . . that are in effect as of the date that a completed application is made for a permit in deciding whether to approve, deny, or impose conditions on the permit,” ORS 536.031(1). Here, the Department deemed the Application complete more than three years ago, and so the Department’s rules in effect at that time provide the controlling legal standard. Absent final rulemaking changing the applicable legal standard, the Department does not have authority to consider the “capacity of the resource” in interpreting and applying the second criterion at ORS 537.621(2). Such policy-making power lies solely with the Commission. *See* ORS 536.025(2). Therefore, the Department erred by applying that erroneous legal standard to determine whether “water is available.”

ii. The requested source is not over-appropriated.

The PFO found that groundwater for the use proposed by the Application is “not over-appropriated.” Protestant assumes that the PFO means what it says, and therefore, because the proposed groundwater source is not over-appropriated, “water is available.” *See* OAR 690-300-0010(57) (defining “water is available”). To the extent the PFO can be read to find that the requested groundwater source is over-appropriated, however, that finding is not supported by substantial evidence.

A groundwater source is “over-appropriated” if “[t]he appropriation of groundwater resources by all water rights,” *first*, “exceeds the average annual recharge to a groundwater source over the period of record,” or, *second*, “results in the further depletion of already over-appropriated surface waters.” OAR 690-400-0010(11)(a)(B). This standard “shall apply” to water availability determinations for all permit applications submitted after July 17, 1992, OAR 690-400-0010(11)(b), such as the Application.

In this case, the groundwater source for the Existing Well does not meet either part of the test to be designated as over-appropriated. Beginning with the second part of the test for whether a groundwater source is over-appropriated, the Department found that the Existing Well is not hydraulically connected to surface water.²⁴ As such, the proposed groundwater use will not cause “further depletion of already over-appropriated surface waters” as a matter of law. *See* OAR 690-400-0010(11)(a)(B).

(b) The groundwater of the state shall be allocated to new beneficial uses only when the ~~allocations will not contribute to the over-appropriation of groundwater sources~~ Department makes a finding: that water is available for a proposed use as defined in OAR 690-300-0010. Restrictions on ~~allocations of water~~ additional appropriation for exempt groundwater uses may be considered when a ~~groundwater source is over-appropriated;~~ water is not available from a groundwater source;

²⁴ Exhibit D, ¶ C2; Exhibit E, ¶ C2.

Regarding the first part of the test for whether a groundwater source is over-appropriated, there is no evidence in the record to indicate that average annual recharge of the proposed groundwater source exceeds groundwater appropriations by all water rights. The Existing Well is a flowing artesian well that is constructed to a depth of approximately 3137 feet.²⁵ The Department determined in the Groundwater Reviews that the Existing Well produces water from “volcanic flow rocks and associated volcanics of the Powder River Volcanics and likely the upper portions of the Grande Ronde Basalt of the Columbia River Basalt Group.”²⁶ Thus, based on the information in the Groundwater Reviews, the relevant groundwater source is the basalt aquifer underlying the well.

Neither of the Groundwater Reviews includes an estimate for average annual recharge to the basalt aquifer accessed by the Well. Indeed, the Department recognized that recharge amounts “cannot be confirmed with available data.”²⁷ Likewise, neither of the Groundwater Reviews includes an estimate for the total appropriation by all water rights accessing the basalt aquifer. Although the Department considered the increase in pumping from the Existing Well, the Department made no attempt to quantify the groundwater appropriations from all water rights that utilize the aquifer accessed by the Existing Well.²⁸

To the contrary, data that is available indicates steady groundwater levels in the basalt aquifer, which support a conclusion that appropriations are not exceeding recharge. Indeed, in the Modified Groundwater Review, the Department identified two nearby wells, UNIO 173 and UNIO 2046, that appear to produce water from the same source aquifer as the Existing Well.²⁹ Groundwater elevation data for the Existing Well, UNIO 173, and UNIO 2046 show that groundwater levels have remained relatively constant for those wells over the past approximately 20 years.³⁰ This water level data demonstrates that total appropriations from the aquifer do not exceed recharge. To the extent the PFO implies otherwise, the Department has made no findings and identified no supporting evidence to the contrary.

In sum, the PFO correctly found that basalt aquifer accessed by the Existing Well is not over-appropriated, and there is no evidence in the record to indicate otherwise.

iii. The proposed use is within the capacity of the groundwater resource.

For the reasons already discussed, whether the proposed use is “within the capacity of the groundwater resource” is not the correct standard for determining whether “water is available” under ORS 537.621(2) and OAR 690-310-0130(1)(b). But even if it the capacity of the resource is relevant to interpret the controlling legal standard, the Department’s finding and conclusion that the proposed use exceeds the capacity of the resource is not supported by substantial evidence and incorrectly interprets the term “capacity of the resource” as it is used in ORS 537.525(2).

²⁵ The Water Supply Well Report for the Existing Well is attached hereto as Exhibit G.

²⁶ Exhibit F, ¶¶ A4, B3.

²⁷ Exhibit F, ¶ B3.

²⁸ See Exhibit F, ¶ B3.

²⁹ See Exhibit F, ¶ B3.

³⁰ Exhibit F, at 8.

The Department has unambiguously defined the term “[c]apacity of the resource” by rule. It means the ability of a water use “to sustain a balance of public and private uses without causing over-appropriation or otherwise significantly impairing the function or character of the resource.” OAR 690-400-0010(4). In this case, the PFO conceded that the proposed groundwater source is not over-appropriated. Accordingly, the proposed groundwater use would exceed the capacity of the resource only if it would “significantly impair[]” the function or capacity of the aquifer. Neither the PFO nor the Groundwater Reviews claimed that the proposed use will “significantly impair[]” the function or capacity of the aquifer, and there is no evidence that such impairment would occur.

The PFO found that the proposed use is not within the capacity of the resource, because the “substantial increase in pumping under [this Application and the G-18895 Application] raises concerns about the long-term sustainability of the productive aquifer utilized by [the Existing Well].”³¹ This finding appears to be based on groundwater availability remarks included in the Modified Groundwater Review.³² That review states that “available data” cannot confirm that “adequate sources of recharge existing for th[e] aquifer,” and a “large degree of uncertainty” exists concerning “the ability of groundwater to migrate into the productive aquifer.”³³ The Modified Groundwater Review determined, based on that uncertainty, that the increased pumping proposed by this Application and the G-18895 Application “presents an unreasonable risk without further data to support that this level of development is sustainable.”³⁴

These findings are wholly unsupported by evidence in the Groundwater Reviews. As the Department acknowledges, it lacks “available data” to evaluate the aquifer.³⁵ The data that is available, undermines the Department’s concerns regarding the sustainability of the aquifer. Groundwater elevation data included in the Groundwater Reviews indicates that groundwater levels in the aquifer accessed by the Existing Well are remaining steady, rather than declining.³⁶

Notably, although the PFO appears to be based largely on remarks in in the Modified Groundwater Review that were not included in the Original Groundwater Review, the Modified Groundwater Review is not based on any new information that was not available when the Original Groundwater Review was completed. Both Groundwater Reviews relied on the same references concerning the aquifer.³⁷ And the Modified Groundwater Review does not identify any new data or studies concerning the aquifer that would support the added remarks. Instead, the remarks in the Modified Groundwater Review appear to reflect the Department’s shifting policies regarding the standards that should apply to applications for new groundwater appropriations. Changes in agency policy are not substantial evidence to support a determination that the groundwater use proposed by the Application exceeds the capacity of the groundwater source.

³¹ Exhibit A, ¶ 15.

³² Exhibit F, at ¶ B3.

³³ Exhibit F, at ¶ B3.

³⁴ Exhibit F, at ¶ B3.

³⁵ Exhibit F, at ¶ B3.

³⁶ Exhibit F, at 8.

³⁷ Exhibit D, at 5; Exhibit E, at 5. The Modified Groundwater Review identifies an additional 1941 text concerning the “effect of a well on the flow of a nearby stream,” which does not appear to relate to the nature of the aquifer or recharge. *Id.*

b. The Proposed Use Will Not Impair or Adversely Affect the Public Welfare, Safety, and Health

Finally, even where the public welfare, safety and health presumption is not established, the Department still must consider the factors listed at ORS 537.525 to determine whether the proposed use will impair or adversely affect the public welfare, safety, and health. ORS 537.621(2); OAR 690-310-0140(2). Thus, even if the Department finds that water is not available for the Application's proposed use, the Department still must weigh the factors at ORS 537.525 to determine whether the proposed use would be detrimental to the public welfare, safety, or health. In that case, Department is obligated to propose "appropriate modifications or conditions" to ensure that the proposed use will not impair or adversely affect the public welfare, safety, and health. ORS 537.621(3)(f); OAR 690-310-0140(2)(b).

In this case, the PFO concluded that the use proposed by the Application will not preserve the public welfare, safety and health because it is not within the capacity of the resource.³⁸ For the reasons stated above, that conclusion is incorrect, and the proposed use is within the capacity of the aquifer accessed by the Existing Well. Further, the Department's finding that water is not available within the capacity of the resource was based, in part, on the "substantial increase in pumping proposed" under this Application and the concurrently proposed G-18895 Application.³⁹ Despite this concern, and despite having had more than three years to review each application, the Department failed to propose appropriate conditions to mitigate any perceived risk concerning the pumping rates requested by the Application.

5. Protest Filing Requirements

This Protest is timely filed. Any person may submit a protest against a proposed final order within 45 days after publication of notice of the proposed final order in the Department's weekly notice. ORS 537.621(6), (7). The Department published notice of the PFO on July 2, 2024. Therefore, any protests of the PFO must be submitted on or before August 16, 2024.

Protestant has included with this Protest the protest fee of \$480. See ORS 536.050(1)(j)(B).

Protestant has complied with the provisions of OAR 690-310-0160. The Protest is in writing and includes:

- (a) The name, address and telephone number of the protestant;
- (b) A description of the protestant's interest in the proposed final order and, if the protestant claims to represent the public interest, a precise statement of the public interest represented;
- (c) A detailed description of how the action proposed in the proposed final order would impair or be detrimental to the protestant's interest;

³⁸ Exhibit A, at ¶ 15.

³⁹ Exhibit A, at ¶ 15. See also Exhibit E, at ¶ B3 ("The substantial increase in pumping proposed . . . presents an unreasonable risk.").

- (d) A detailed description of how the proposed final order is in error or deficient and how to correct the alleged error or deficiency;
- (e) Any citation of legal authority supporting the protest, if known; and
- (f) For persons other than the applicant, the protest fee required under ORS 536.050.

OAR 690-310-0160(1).

6. Conclusion and Request for Contested Case Hearing

For the reasons set forth above, the Department should issue a revised order to approve the Application. If for any reason the Department cannot or does not issue an order so-revised, Protestant respectfully protests the PFO and requests a contested case hearing.

DATED: August 16, 2024

Respectfully submitted,



Kirk B. Maag, OSB No. 105507
Merissa A. Moeller, OSB No. 153926
Hayley K. Siltanen, OSB No. 164825

Of Attorneys for Gregory L. Bingaman

**Oregon Water Resources Department
Water Right Services Division**

Water Right Application G-18894 in the
name of GREGORY L. BINGAMAN

)
)
)

PROPOSED FINAL ORDER
TO DENY

Summary: The Department proposes to issue an order denying Application G-18894 because groundwater for the proposed use is not available within the capacity of the resource.

Although it is unlikely that a permit will be issued, if the Department's findings change, prior to the issuance of a permit, the Department must receive the following:

- Permit recording fees in the amount of \$610.00. A check should be made out to the Oregon Water Resources Department or OWRD.

Please include the application number on any documents submitted.

Authority

The application is being processed in accordance with Oregon Revised Statute (ORS) 537.615 through 537.628, and 390.826, and Oregon Administrative Rule (OAR) Chapter 690, Divisions 5, 8, 9, 33, 300, 310, 400, 410 and the Grande Ronde Basin Program (OAR 690-508). These statutes and rules can be viewed on the following website: www.oregon.gov/OWRD/programs/policylawandrules

The Department's main website can be found at: www.oregon.gov/OWRD

The Department shall presume that a proposed groundwater use will ensure the preservation of the public welfare, safety and health as described in ORS 537.525 if:

- a) The proposed use is allowed in the applicable basin program established pursuant to ORS 536.300 and ORS 536.340 or given a preference under ORS 536.310(12);
- b) Water is available;
- c) The proposed use will not injure other water rights; and
- d) The proposed use complies with the rules of the Commission.

ORS 537.621(2); OAR 690-310-0130.

All four criteria must be met for a proposed use to be presumed to ensure the preservation of the public welfare, safety and health. This shall be a rebuttable presumption and may be overcome by a preponderance of evidence that either one or more of the criteria for establishing the presumption are not satisfied, or that the proposed use would not ensure the preservation of the public welfare, safety and health as demonstrated in any comments received, information available in the Department's files or received from other interested agencies, and any other available information. ORS 537.621(2); OAR 690-310-0130(2).

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Application G-18894

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Proposed Final Order

Salem, OR

Exhibit A
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If the Department determines that the presumption is not established, the Department shall determine whether the proposed use will impair or adversely affect the public welfare, safety and health under ORS 537.525 and may either:

- a) Propose denial of the application upon a finding that the use will impair or adversely affect the public welfare, safety and health; or
- b) Make specific findings to demonstrate that even though the presumption is not established, the proposed use will not impair or adversely affect the public welfare, safety and health and propose approval of the application with appropriate modifications or conditions.

OAR 690-310-0140(2).

FINDINGS OF FACT

Application History

1. On December 16, 2019, Gregory L. Bingaman filed a complete application for the following water use:

Source: A WELL (UNIO 50684) IN CANYON CREEK BASIN

Use: IRRIGATION OF 310.89 ACRES

Rate: 5.18 CUBIC FEET PER SECOND (CFS), FURTHER LIMITED TO 932.67 ACRE-FEET (AF) ANNUALLY

Period of Use: MARCH 1 THROUGH OCTOBER 1

County: UNION COUNTY

Place of Use: SECTIONS 13 AND 14, TOWNSHIP 2 SOUTH, RANGE 38 EAST, W.M.

2. On August 7, 2020, the Department mailed the applicant notice of its Initial Review, determining that the appropriation of 5.18 CFS of water from a well (UNIO 50684/L40696) in Canyon Creek Basin for irrigation of 310.89 acres is allowable March 1 through October 31 of each year. The applicant did not notify the Department to stop processing the application within 14 days of that date.
3. On August 11, 2020, the Department provided notice of the application in its weekly public notice, requesting comments, and providing information for interested persons about obtaining future notices and a copy of the Proposed Final Order.
4. The Department's continuing evaluation reveals that the following corrections to the Initial Review are necessary to accurately reflect the application for a Permit. The Department has determined an error was made in the Initial Review as to the time of the year that the applicant proposed to use the water. The applicant indicated on the application that the proposed use would be March 1 through October 1 of each year. The determinations of the Initial Review should be corrected to reflect the period of use as March 1 through October 1 of each year.
5. On March 9, 2023, the Department's Groundwater Section issued a re-review of the application, which indicated that groundwater for the proposed use is not available within the capacity of the resource.

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Presumption Criterion (a) - Consistency with Basin Program

6. Irrigation is allowed under the Grande Ronde Basin Program (OAR 690-508-0020(1)(a)). ORS 537.621(3)(b); OAR 690-310-0150(2)(b).
7. The proposed groundwater use is not within a designated critical groundwater area. ORS 537.621(3)(b); OAR 690-310-0150(2)(b).

Presumption Criterion (b) - Water Availability

8. An assessment of groundwater availability has been completed by the Department. A copy of this assessment is in the file and can be viewed on the Department's website. Groundwater for the proposed use is not over-appropriated; however, groundwater for the proposed use is not available within the capacity of the resource. Therefore, groundwater is **not** available for the proposed use. ORS 537.621(3)(c); OAR 690-310-0150(2)(c); OAR 690-300-0010(57).
9. The Department has determined that the proposed groundwater use will not have the potential for substantial interference (PSI) with surface water. ORS 537.621(3)(c); OAR 690-009-0040.

Presumption Criterion (c) - Injury Determination

10. If properly conditioned (and if authorized), the proposed use of groundwater will not injure other water rights. ORS 537.621(3)(d); OAR 690-310-0150(2)(e).

Presumption Criterion (d) - Whether the Use Complies with Rules of the Commission

11. Documentation has been submitted from the relevant land-use planning jurisdiction that indicates the proposed use is allowed outright. ORS 537.621(3)(b); OAR 690-310-0150(2)(b).
12. The proposed use is located above the Wallowa-Grande Ronde State Scenic Waterway, as designated under ORS 390.826. The Department has determined, based upon OAR 690-310-0260, that there is not a preponderance of evidence that the proposed use of groundwater will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway in quantities necessary for recreation, fish and wildlife. OAR 690-310-0260(9)(a).

Presumption that a Proposed Use will Ensure the Preservation of the Public Welfare, Safety and Health under ORS 537.525

13. Because water is not available, one of the criteria necessary to establish the presumption is not met and the presumption that the proposed groundwater use will ensure the preservation of the public, welfare, safety and health under ORS 537.525 is **not** established. OAR 690-310-0140(1); OAR 690-310-0150(2)(h).
14. Because the presumption is not established, the Department evaluated whether the proposed use will impair or adversely affect the public welfare, safety and health under ORS 537.525. OAR 690-310-0140(2).
15. In accordance with ORS 537.525(3), in order to insure the preservation of the public welfare, safety and health it is necessary that beneficial use without waste, within the capacity of available sources, be the basis, measure and extent of the right to appropriate ground water. Public welfare, safety and health under ORS 537.525(3) would be impaired or detrimentally affected for the following reasons. The Department finds that groundwater for the proposed use is not available

within the capacity of the resource. The substantial increase in pumping proposed under Applications G-18894 (this application) and G-18895 raises concerns about the long-term sustainability of the productive aquifer utilized by UNIO 50684. As such, the proposed use is determined to be not within the capacity of the resource. Therefore, the proposed use will impair or adversely affect the public welfare, safety, and health under ORS 537.525. ORS 537.525; ORS 537.621(2); OAR 690-310-0140(2).

Further Evaluation of the Proposed Use

16. No written comments were received by the close of the comment period. OAR 690-310-0150(1).

Other Criteria and Requirements

17. The amount of water requested, 5.18 CFS, is necessary for the proposed use. ORS 537.621(3)(c); OAR 690-310-0150(2)(d).

18. The applicant proposed measures to prevent waste, measure the amount of water appropriated, prevent damage to aquatic life and riparian habitat, prevent discharge of contaminated water to a surface stream and to prevent damage to public uses of any affected surface waters. These measures are included in Sections 6 and 8 of the application. OAR 690-310-0150(2)(j).

19. The proposed use complies with rules of the Water Resources Commission not otherwise described above.

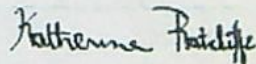
CONCLUSION OF LAW

1. The proposed use will not ensure the preservation of the public welfare, safety and health as described in ORS 537.525.

PROPOSED ORDER

The Department recommends issuing an order denying Application G-18894.

DATED July 2, 2024



Katherine Ratcliffe
Water Rights Section Manager, for
Ivan Gall, Director
Oregon Water Resources Department

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Salem, OR

Protests

Under the provisions of ORS 537.153(7) (for surface water) or ORS 537.621(8) (for groundwater), you can protest this Proposed Final Order. If you wish to submit a protest by U.S. mail, please consider mailing early to ensure the Department receives the protest by the deadline specified. Protests must be received by the Water Resources Department no later than **August 16, 2024**.

As provided in ORS 537.621(7), ORS 536.050(1)(j), and OAR 690-002-0025 — 0035, protests must be in writing and include the following:

- Your name, address, and telephone number;
- A description of your interest in the Proposed Final Order, and, if you claim to represent the public interest, a precise statement of the public interest represented;
- A detailed description of how the action proposed in the Proposed Final Order would impair or be detrimental to your interest;
- A detailed description of how the Proposed Final Order is in error or deficient, and how to correct the alleged error or deficiency;
- Any citation of legal authority to support your protest, if known;
- Any information or evidence that the proposed use or the proposed use as modified would preserve the public welfare, safety and health as provided in ORS 537.625(3).
- If you are the applicant, a protest fee of \$480 required by ORS 536.050; and
- If you are not the applicant, a protest fee of \$950 required by ORS 536.050 and proof of service of the protest upon the applicant.
- If you are the applicant, a statement of whether or not you are requesting a contested case hearing.

Requests for Standing

Under the provisions of ORS 537.153(7) (for surface water) or ORS 537.621(8) (for groundwater), persons other than the applicant who support a Proposed Final Order can request standing for purposes of participating in any contested case proceeding on the Proposed Final Order or for judicial review of a Final Order.

Requests for standing must be received in the Water Resources Department no later than **August 16, 2024**. Requests for standing must be in writing, and must include the following:

- The requester's name, mailing address and telephone number;
- If the requester is representing a group, association or other organization, the name, address and telephone number of the represented group;
- A statement that the requester supports the Proposed Final Order as issued;
- A detailed statement of how the requester would be harmed if the Proposed Final Order is modified; and
- A standing fee of \$270. If a hearing is scheduled, an additional fee of \$680 must be submitted along with a petition for party status.

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After the protest period has ended, the Director will either issue a Final Order or schedule a contested case hearing. The contested case hearing will be scheduled only if a protest has been submitted and either:

- upon review of the issues, the director finds that there are significant disputes related to the proposed use of water, or
- the applicant requests a contested case hearing within 30 days after the close of the protest period.

If you do not timely file a protest or timely request a hearing, or if you withdraw a request for a hearing, notify the Department or the administrative law judge that you will not appear or fail to appear at a scheduled hearing, the Director may issue a Final Order by default. If the Director issues a Final Order by default, the Department designates the relevant portions of its files on this matter, including all materials that you have submitted relating to this matter, as the record for purpose of proving a *prima facie* case upon default. OAR 137-003-0670.

You may be represented by an attorney at the hearing. Legal aid organizations may be able to assist a party with limited financial resources. Generally, partnerships, corporations, associations, governmental subdivisions or public or private organizations are represented by an attorney. However, consistent with OAR 690-002-0020 and OAR 137-003-0555, an agency representative may represent a partnership, corporation, association, governmental subdivision or public or private organization if the Department determines that appearance of a person by an authorized representative will not hinder the orderly and timely development of the record in this case.

Notice To Active Duty Servicemembers: Active-duty service members have a right to stay proceedings under the federal Service Members Civil Relief Act. 50 U.S.C. App. §§501-597b. For more information contact the Oregon State Bar at 800-452-8260, the Oregon Military Department at 971-355-4127, or the nearest United States Armed Forces Legal Assistance Office through <http://legalassistance.law.af.mil>.

-
- If you have any questions about statements contained in this document, please contact Amanda Mather at Amanda.L.Mather@water.oregon.gov or 971-718-7937.
 - If you have questions about how to file a protest or if you have previously filed a protest and you want to know the status, please contact Will Davidson at Will.D.Davidson@water.oregon.gov or 503-507-2749.
 - If you have any questions about the Department or any of its programs, please contact our Water Resources Customer Service Group at 503-986-0900.
 - Address any correspondence to: Water Right Services Division
725 Summer St NE, Suite A
Salem, OR 97301-1266
Fax: 503-986-0901
-

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Salem, OR

wp

Oregon

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Water Resources Department
Water Right Services Division
725 Summer St NE, Suite A
Salem, OR 97301-1266

ADDRESS SERVICE REQUESTED

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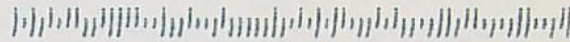


US POSTAGE BY FIRST-CLASS PERMIT NO. 1000 SALEM, OR
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02 7W
0008029482 JUL 02 2024

G-18894
Gregory L. Bingaman
64088 McDonald Lane
La Grande, OR 97850

First Notice 7/6/24
Second Notice 7/11/24
Returned 7/22/24

97850&5157 R001



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Salem, OR

Application for a Permit to Use Groundwater



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

SECTION 1: APPLICANT INFORMATION AND SIGNATURE

Applicant

NAME GREGORY L. BINGAMAN			PHONE (HM)
PHONE (WK)	CELL 541-786-1000	FAX	
ADDRESS 64088 MCDONALD LANE			
CITY LA GRANDE	STATE OREG	ZIP 97850	E-MAIL*

Organization

NAME			PHONE	FAX
ADDRESS			CELL	
CITY	STATE	ZIP	E-MAIL*	

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

AGENT / BUSINESS NAME GREGORY BLACKMAN			PHONE 541-963-6771	FAX
ADDRESS 126 RIDGE DRIVE			CELL 541-786-2859	
CITY LA GRANDE	STATE ORE	ZIP 97850	E-MAIL* gtblackman@yahoo.com	

Note: Attach multiple copies as needed

* By providing an e-mail address, consent is given to receive all correspondence from the Department electronically. (Paper copies of the proposed and final order documents will also be mailed.)

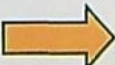
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DEC 16 2019

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By my signature below I confirm that I understand:

- I am asking to use water specifically as described in this application.
- Evaluation of this application will be based on information provided in the application.
- I cannot use water legally until the Water Resources Department issues a permit.
- Oregon law requires that a permit be issued before beginning construction of any proposed well, unless the use is exempt. Acceptance of this application does not guarantee a permit will be issued.
- If I get a permit, I must not waste water.
- If development of the water use is not according to the terms of the permit, the permit can be cancelled.
- The water use must be compatible with local comprehensive land-use plans.
- Even if the Department issues a permit, I may have to stop using water to allow senior water-right holders to get water to which they are entitled.



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

[Signature]
Applicant Signature

Gregory L. Bingaman, Lessee of land

Print Name and Title if applicable

12-12-2019
Date

Applicant Signature

Print Name and Title if applicable

Date

For Department Use: App. Number: 6-10094

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Salem, OR

Exhibit B
Page 1 of 20

SECTION 2: PROPERTY OWNERSHIP

Please indicate if you own all the lands associated with the project from which the water is to be diverted, conveyed, and used.

- YES, there are no encumbrances.
- YES, the land is encumbered by easements, rights of way, roads or other encumbrances.
- NO, I have a recorded easement or written authorization permitting access.
- NO, I do not currently have written authorization or easement permitting access.
- NO, written authorization or an easement is not necessary, because the only affected lands I do not own are state-owned submersible lands, and this application is for irrigation and/or domestic use only (ORS 274.040).
- NO, because water is to be diverted, conveyed, and/or used only on federal lands.

Affected Landowners: List the names and mailing addresses of all owners of any lands that are not owned by the applicant and that are crossed by the proposed ditch, canal or other work, even if the applicant has obtained written authorization or an easement from the owner. *(Attach additional sheets if necessary).*

Legal Description: You must provide the legal description of: 1. The property from which the water is to be diverted, 2. Any property crossed by the proposed ditch, canal or other work, and 3. Any property on which the water is to be used as depicted on the map.

SECTION 3: WELL DEVELOPMENT

WELL NO.	NAME OF NEAREST SURFACE WATER	IF LESS THAN 1 MILE:	
		DISTANCE TO NEAREST SURFACE WATER	ELEVATION CHANGE BETWEEN NEAREST SURFACE WATER AND WELL HEAD
UNIO 50684	CANYON CREEK	6300'	-60'

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Please provide any information for your existing or proposed well(s) that you believe may be helpful in evaluating your application. For existing wells, describe any previous alteration(s) or repair(s) not documented in the attached well log or other materials *(attach additional sheets if necessary).*

THE PROPOSED POD IS AN EXISTING WORKING WELL, UNIO 50684, AND IS BEING USED UNDER C-89503. WE ARE REQUESTING THAT THE RATE BE BASED UPON A 1/60TH CFS INSTEAD OF 1/80TH DUE TO THE DRY CLIMATE OF EASTERN OREGON.

SECTION 3: WELL DEVELOPMENT, continued

Total maximum rate requested: 5.18 CFS (each well will be evaluated at the maximum rate unless you indicate well-specific rates and annual volumes in the table below).

The table below must be completed for each source to be evaluated or the application will be returned. If this is an existing well, the information may be found on the applicable well log. *(If a well log is available, please submit it in addition to completing the table.)* If this is a proposed well, or well-modification, consider consulting with a licensed well driller, geologist, or certified water right examiner to obtain the necessary information.

OWNER'S WELL NAME OR NO.	PROPOSED	EXISTING	WELL ID (WELL TAG) NO.* OR WELL LOG ID**	FLOWING ARTESIAN	CASING DIAMETER	CASING INTERVALS (IN FEET)	PERFORATED OR SCREENED INTERVALS (IN FEET)	SEAL INTERVALS (IN FEET)	MOST RECENT STATIC WATER LEVEL & DATE (IN FEET)	PROPOSED USE			
										SOURCE AQUIFER***	TOTAL WELL DEPTH	WELL-SPECIFIC RATE (GPM)	ANNUAL VOLUME (ACRE-FEET)
UNIO 50684	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1-40696	<input checked="" type="checkbox"/>	18"-14"	SEE LOG	SEE LOG	SEE LOG	3/2019	BASALT	3138'	409 GPM C-89503	3.0 AC FT
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>									
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* Licensed drillers are required to attach a Department-supplied Well Tag, with a unique Well ID or Well Tag Number to all new or newly altered wells. Landowners can request a Well ID for existing wells that do not have one. The Well ID is intended to serve as a unique identification number for each well.
 ** A well log ID (e.g. MARI 1234) is assigned by the Department to each log in the agency's well log database. A separate well log is required for each subsequent alteration of the well.
 *** Source aquifer examples: Troutdale Formation, gravel and sand, alluvium, basalt, bedrock, etc.

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DEC 16 2019

OWRD

For Department Use: App. Number: 6-10094

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AUG 16 2024

Salem, OR

SECTION 4: SENSITIVE, THREATENED OR ENDANGERED FISH SPECIES PUBLIC INTEREST INFORMATION

This information must be provided for your application to be accepted as complete. The Water Resources Department will determine whether the proposed use will impair or be detrimental to the public interest with regard to sensitive, threatened or endangered fish species if your proposed groundwater use is determined to have the potential for substantial interference with nearby surface waters.

To answer the following questions, use the map provided in Attachment 3 or the link below to determine whether the proposed point of appropriation (POA) is located in an area where the Upper Columbia, the Lower Columbia, and/or the Statewide public interest rules apply.

For more detailed information, click on the following link and enter the TRSQQ or the Lat/Long of a POA and click on "Submit" to retrieve a report that will show which section, if any, of the rules apply:
https://apps.wrd.state.or.us/apps/misc/lkp_trsqq_features/

If you need help to determine in which area the proposed POA is located, please call the customer service desk at (503) 986-0801.

Upper Columbia - OAR 690-033-0115 thru -0130

Is the well or proposed well located in an area where the Upper Columbia Rules apply?

Yes x No

If yes, you are notified that the Water Resources Department will consult with numerous federal, state, local and tribal governmental entities so it may determine whether the proposed use is consistent with the "Columbia River Basin Fish and Wildlife Program" adopted by the Northwest Power Planning Council in 1994 for the protection and recovery of listed fish species. The application may be denied, heavily conditioned, or if appropriate, mitigation for impacts may be needed to obtain approval for the proposed use.

If yes, and if the Department determines that proposed groundwater use has the potential for substantial interference with nearby surface waters:

- I understand that the permit, if issued, will not allow use during the time period April 15 to September 30, except as provided in OAR 690-033-0140.
- I understand that the Department of Environmental Quality will review my application to determine if the proposed use complies with existing state and federal water quality standards.
- I understand that I will install and maintain water use measurement and recording devices as required by the Water Resources Department, and comply with recording and reporting permit condition requirements.

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Lower Columbia - OAR 690-033-0220 thru -0230

Is the well or proposed well located in an area where the Lower Columbia rules apply?

Yes x No

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If yes, and the proposed groundwater use is determined to have the potential for substantial interference with nearby surface waters you are notified that the Water Resources Department will determine, by reviewing recovery plans, the Columbia River Basin Fish and Wildlife Program, and regional restoration programs applicable to threatened or endangered fish species, in coordination with state and federal agencies, as

For Department Use: App. Number: 6-10094

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appropriate, whether the proposed use is detrimental to the protection or recovery of a threatened or endangered fish species and whether the use can be conditioned or mitigated to avoid the detriment.

If a permit is issued, it will likely contain conditions to ensure the water use complies with existing state and federal water quality standards; and water use measurement, recording and reporting required by the Water Resources Department. The application may be denied, or if appropriate, mitigation for impacts may be needed to obtain approval of the proposed use.

If yes, you will be required to provide the following information, if applicable.

X Yes No The proposed use is for more than one cubic foot per second (448.8 gpm) and is not subject to the requirements of OAR 690, Division 86 (Water Management and Conservation Plans).

If yes, provide a description of the measures to be taken to assure reasonably efficient water use:
The proposed point of appropriation is an existing artesian well flowing at a rate near 1700 gpm.
The well is currently in use on C-89503, with other COBU applications on file, but certificates not issued.

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Statewide - OAR 690-033-0330 thru -0340

Is the well or proposed well located in an area where the Statewide rules apply?

Yes x No

If yes, and the proposed groundwater use is determined to have the potential for substantial interference with nearby surface waters you are notified that the Water Resources Department will determine whether the proposed use will occur in an area where endangered, threatened or sensitive fish species are located. If so, the Water Resources Department, Department of Fish and Wildlife, Department of Environmental Quality, and the Department of Agriculture will recommend conditions required to achieve "no loss of essential habitat of threatened and endangered (T&E) fish species," or "no net loss of essential habitat of sensitive (S) fish species." If conditions cannot be identified that meet the standards of no loss of essential T E fish habitat or no net loss of essential S fish habitat, the agencies will recommend denial of the application unless they conclude that the proposed use would not harm the species.

SECTION 5: WATER USE

USE	PERIOD OF USE	ANNUAL VOLUME (ACRE-FEET)
Irrigation	March 1 thru October 1	3.0

For irrigation use only:

Please indicate the number of primary and supplemental acres to be irrigated (*must match map*).

Primary: 310.89* Acres Supplemental: Acres

If you listed supplemental acres, list the Permit or Certificate number of the underlying primary water right(s):

Indicate the maximum total number of acre-feet you expect to use in an irrigation season: 932.67 Ac ft

- If the use is municipal or quasi-municipal, attach Form M

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- If the use is **domestic**, indicate the number of households: ____ (Exempt Uses: Please note that 15,000 gallons per day for single or group **domestic** purposes and 5,000 gallons per day for a single **industrial or commercial** purpose are exempt from permitting requirements.)
- If the use is **mining**, describe what is being mined and the method(s) of extraction (*attach additional sheets if necessary*): ____

SECTION 6: WATER MANAGEMENT

A. Diversion and Conveyance

What equipment will you use to pump water from your well(s)?

- Pump (give horsepower and type): 150 HP with American Turbine pump.
 Other means (describe): ____

Provide a description of the proposed means of diversion, construction, and operation of the diversion works and conveyance of water. Diversion will include the existing well and existing 150 HP motor and American Turbine pump. The well and pump supplies a 10" above ground steel mainline that crosses McDonald road in a culvert and flows South to the property requesting water. Greg Bingaman has a farming lease to all of the mapped property. Greg Bingaman will supply the water and labor etc, as well as place linear sprinklers on the proposed land. New mainlines will distribute the water on the lands so that the corners will be irrigated. There may be a few wheel lines to irrigate the irregular portions of the land.

B. Application Method

What equipment and method of application will be used? (e.g., drip, wheel line, high-pressure sprinkler) (*attach additional sheets if necessary*)

Probably low pressure linear sprinklers with a few wheel lines.

C. Conservation

Please describe why the amount of water requested is needed and measures you propose to: prevent waste; measure the amount of water diverted; prevent damage to aquatic life and riparian habitat; prevent the discharge of contaminated water to a surface stream; prevent adverse impact to public uses of affected surface waters (*attach additional sheets if necessary*).

We are requesting a rate of 1/60th instead of 1/80th because of the dry eastern Oregon climate. A rate of 1/80th is not enough water for some of the desirable crops to be grown.

SECTION 7: PROJECT SCHEDULE

- Date construction will begin: March 2020
- Date construction will be completed: July 2022
- Date beneficial water use will begin: June 2025

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SECTION 8: RESOURCE PROTECTION

In granting permission to use water the state encourages, and in some instances requires, careful control of activities that may affect adjacent waterway or streamside area. See instruction guide for a list of possible permit requirements from other agencies. Please indicate any of the practices you plan to undertake to protect water resources.

NA Water quality will be protected by preventing erosion and run-off of waste or chemical products.

Describe: The well is existing and the only excavation required will be to bury mainline and hook to the existing 10" mainline.

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NA Excavation or clearing of banks will be kept to a minimum to protect riparian or streamside areas.

Note: If disturbed area is greater than one acre, applicant should contact the Oregon Department of Environmental Quality to determine if a 1200C permit is required.

Describe planned actions and additional permits required for project implementation: No banks to be excavated.

NA Other state and federal permits or contracts required and to be obtained, if a water right permit is granted:

List: _____

SECTION 9: WITHIN A DISTRICT

Check here if the point of appropriation (POA) or place of use (POU) are located within or served by an irrigation or other water district.

Irrigation District Name	Address	
City	State	Zip

SECTION 10: REMARKS

Use this space to clarify any information you have provided in the application (*attach additional sheets if necessary*).

This application is for an existing point of appropriation that currently produces around 1700 GPM. We are applying for a rate of 1/60th due to the dry climate of Eastern Oregon. There have been discussions with the Union County Watermaster, Shad Hatton and he agrees that 1/80th is not enough for our dry climate. Very little construction needs to be done with the exception of the mainlines. The Well is in place, with a pump and motor, as well as a Totalizing meter, and past reporting has also been done. There is also a well test on file that has been accepted by Water Resources, under C-89503.

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Minimum Requirements Checklist

Minimum Requirements (OAR 690-310-0040, OAR 690-310-0050 & ORS 537.140)

Include this checklist with the application

Check that each of the following items is included. The application will be returned if all required items are not included. If you have questions, please call the Water Rights Customer Service Group at (503) 986-0900.

Please submit the original application and signatures to the Water Resources Department. Applicants are encouraged to keep a copy of the completed application.

- x SECTION 1: Applicant Information and Signature
- x SECTION 2: Property Ownership
- x SECTION 3: Well Development
- x SECTION 4: Sensitive, Threatened or Endangered Fish Species Public Interest Information
- x SECTION 5: Water Use
- x SECTION 6: Water Management
- x SECTION 7: Project Schedule
- x SECTION 8: Resource Protection
- NA SECTION 9: Within a District
- x SECTION 10: Remarks

Include the following additional items:

- x Land Use Information Form with approval and signature of local planning department (*must be an original*) or signed receipt.
- x Provide the legal description of: (1) the property from which the water is to be diverted, (2) any property crossed by the proposed ditch, canal or other work, and (3) any property on which the water is to be used as depicted on the map.
- Fees - Amount enclosed: \$ 3,960.00
See the Department's Fee Schedule at www.oregon.gov/owrd or call (503) 986-0900.
- x Map that includes the following items:
 - x Permanent quality and drawn in ink
 - x Even map scale not less than 4" = 1 mile (example: 1" = 400 ft, 1" = 1320 ft, etc.)
 - x North Directional Symbol
 - x Township, Range, Section, Quarter/Quarter, Tax Lots
 - x Reference corner on map
 - x Location of each diversion, by reference to a recognized public land survey corner (distances north/south and east/west)
 - x Indicate the area of use by Quarter/Quarter and tax lot identified clearly.
 - x Number of acres per Quarter/Quarter and hatching to indicate area of use if for primary irrigation, supplemental irrigation, or nursery
 - x Location of main canals, ditches, pipelines or flumes (if well is outside of the area of use)

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Note: In addition to a groundwater application, a standard reservoir application is required to store groundwater in a reservoir. If an applicant proposes to divert water from a reservoir, a surface water application is also required.

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6-10094

Land Use Information Form



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

Applicant(s): Gregory L. Bingaman

Mailing Address: 64088 McDonald Lane

City: La Grande

State: Oregon Zip Code: 97850

Daytime Phone: 541-786-1000

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:
<u>2S</u>	<u>38E</u>	<u>12</u>	—	<u>2301</u>	— <u>EFU</u>	<input checked="" type="checkbox"/> Diverted	<input type="checkbox"/> Conveyed	<input type="checkbox"/> Used	—
<u>2s</u>	<u>38E</u>	<u>13 & 14</u>	—	<u>3400</u>	— <u>EFU</u>	<input type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	—
<u>2S</u>	<u>38E</u>	<u>14</u>	—	<u>3700 & 4000</u>	— <u>EFU</u>	<input type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	—
<u>2S</u>	<u>38E</u>	<u>14</u>	—	<u>4100</u>	— <u>EFU</u>	<input type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	—

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

UNION COUNTY

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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: 5.18
 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:

Mr. Bingaman leases lands listed as T.L.s. 3400, 3700, 4000, and 4100 from SPECKHART FARMS INC. Greg Bingaman intends to use his existing deep Basalt well to irrigate the above lands which he has leased.

Note to applicant: If the Land Use Information Form cannot be completed while you wait, please have a local government representative sign the receipt at the bottom of the next page and include it with the application filed with the Water Resources Department.

See bottom of Page 3. →

Revised 2/8/2010

Land Use Information Form - Page 1 of 3

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WR / FS

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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): WZPSO Sec. 24.01
- 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:	
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being Pursued <input type="checkbox"/> 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.

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Name: Stacy Warren OWRD Title: Associate Planner
 Signature: *Stacy Warren* Phone: 541-965-1014 Date: Dec. 10, 2019
 Government Entity: Union County Planning

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: _____

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76 3700

NS

992967



Mary Virginia Koza
63850 McDonald Ln.
LaGrande, Oregon 97850
Grantor's Name and Address
Speckhart Farms Inc.
63970 McDonald Ln.
LaGrande, Oregon 97850
Grantee's Name and Address

After recording, return to (Name, Address, Zip):
Speckhart Farms Inc.
63970 McDonald Ln.
LaGrande, Oregon 97850
Until requested otherwise, send all tax statements to (Name, Address, Zip):
Same as above

SPACE RESERVED
FOR
RECORDER'S USE

STATE OF OREGON,
County of Union } ss.
I certify that the within instrument
was received for record on the _____ day
of _____, 19____, at
_____ o'clock _____ M., and recorded in
book/reel/volume No. _____ on page
_____ and/or as fee/file/instru-
ment/microfilm/reception No. _____,
Records of said County.
Witness my hand and seal of County
affixed.

NAME _____ TITLE _____
By _____, Deputy.

BARGAIN AND SALE DEED - STATUTORY FORM
(INDIVIDUAL GRANTOR)

Mary Virginia Koza _____, Grantor,
conveys to Speckhart Farms Inc. _____, Grantee,
the following real property situated in Union _____ County, Oregon, to-wit:

see exhibit "A" attached

(IF SPACE INSUFFICIENT, CONTINUE DESCRIPTION ON REVERSE)

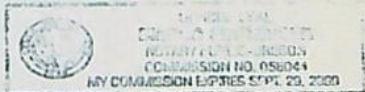
The true consideration for this conveyance is \$1.00 (Here, comply with the requirements of ORS 93.030.)

Dated this 2 day of June, 1999

THIS INSTRUMENT WILL NOT ALLOW USE OF THE PROPERTY DESCRIBED IN THIS INSTRUMENT IN VIOLATION OF APPLICABLE LAND USE LAWS AND REGULATIONS. BEFORE SIGNING OR ACCEPTING THIS INSTRUMENT, THE PERSON ACQUIRING FEE TITLE TO THE PROPERTY SHOULD CHECK WITH THE APPROPRIATE CITY OR COUNTY PLANNING DEPARTMENT TO VERIFY APPROVED USES AND TO DETERMINE ANY LIMITS ON LAWSUITS AGAINST FARMING OR FOREST PRACTICES AS DEFINED IN ORS 30.930.

Mary V. Koza

STATE OF OREGON, County of Union } ss.
This instrument was acknowledged before me on 2nd Day of June, 1999,
by Mary Koza



Margo Schlessel
Notary Public for Oregon
My commission expires Sept 29, 2000

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Salem, OR

LEGAL DESCRIPTION
Koza to Speckhart Farms Inc.

A parcel of land situated in the Northeast Quarter of the Northeast Quarter of Section 14, Township 2 South, Range 38 East of the Willamette Meridian, more particularly described as follows with reference to Minor Partition Plat Number 1999-12, as filed in the Union County Plat records;

All of the Northeast Quarter of the Northeast Quarter of Section 14, Township 2 South, Range 38 East of the Willamette Meridian, **EXCEPT THE FOLLOWING:**

Exception:

All of Parcel Number 1 of Minor Land Partition Number 1999-12, filed as Microfilm Number 992728, filed in Plat Cabinet Number B-534 of the Union County Plat Records;

Also Excepting ;

With Reference to Minor Partition Plat Number 1999-12:

Beginning at the Northeast Corner of said Section 14, Township 2 South, Range 38 East of the Willamette Meridian;

Thence; S 0°02'30" E, along the East line of Section 14, a distance of 217.05 feet to the South line of the property conveyed to David Koza and Mary Virginia Koza in deed document Microfilm Number 75982 as filed in the Union County Deed Records;

Thence; N 89°51'03" W, along said South lin of Koza property, a distance of 197.01 feet to the Southwest corner of said Koza Property;

Thence; N 0°55'17" W, along the West line of said Koza property, a distance of 216.50 feet to the intersection of the North line of said Section 14;

Thence; N 89°58'52" E, along said North line of said Section 14, a distance of 201.08 feet, to the point of beginning of this description.

Subject to roads over and across said premises as same may now exist or appear of record.

Parcel conveyed to Speckhart Farms Inc. Contains 36.2 acres more or less including roads.

STATE OF OREGON

County of Union

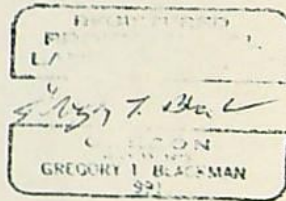
} SS

I certify that this instrument was received and recorded in the book of records of said county.

R. NELLIE BOGUE HIBBERT,
Union County Clerk

by: [Signature] Deputy.

DOC#: 992967
RCPT: 27303 35.00
6/02/1999 1:25 PM
REFUND: .00



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1 Personally appeared the above named HELEN JEAN SPECKHART and
2 acknowledged the foregoing instrument to be her voluntary act. Before



[Signature]
Notary Public for Oregon
My Commission Expires: 12/31/16

7 Until a change is requested, all tax statements shall be forwarded to:
8 Speckhart Farms, Inc., c/o Harlow Speckhart, Rt. 1, Box 1651
9 La Grande, OR 97850

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98781

I certify that the within instrument
of writing was received for record on
19 day of
Jul 1981 at 1:25
o'clock P.M. and recorded on page
 in book Record at
 of said County.
County Clerk

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Salem, OR

20191270

RETURN TO: Manmen Null Lawyers, PO Box 477 97850
GRANTOR: David Koza, 905 M Ave, La Grande, OR 97850
GRANTEES: Stephen A. Koza, Teresa Jean Koza, and John D. Koza
TAXES TO: Stephen A. Koza, 69624 Squire Loop, Cove, OR 97824

STATUTORY BARGAIN AND SALE DEED

DAVID KOZA, Grantor bargains, sells, and conveys to **STEPHEN A. KOZA, TERESA JEAN KOZA, AND JOHN D. KOZA**, Grantees, all Grantor's interest in the following described real property located in Union County, Oregon:

SEE EXHIBIT "A" ATTACHED

The true and actual consideration for this conveyance is estate planning. BEFORE SIGNING OR ACCEPTING THIS INSTRUMENT, THE PERSON TRANSFERRING FEE TITLE SHOULD INQUIRE ABOUT THE PERSON'S RIGHTS, IF ANY, UNDER ORS 195.300, 195.301 AND 195.305 TO 195.336 AND SECTIONS 5 TO 11, CHAPTER 424, OREGON LAWS 2007, SECTIONS 2 TO 9 AND 17, CHAPTER 855, OREGON LAWS 2009, AND SECTIONS 2 TO 7, CHAPTER 8, OREGON LAWS 2010. THIS INSTRUMENT DOES NOT ALLOW USE OF THE PROPERTY DESCRIBED IN THIS INSTRUMENT IN VIOLATION OF APPLICABLE LAND USE LAWS AND REGULATIONS. BEFORE SIGNING OR ACCEPTING THIS INSTRUMENT, THE PERSON ACQUIRING FEE TITLE TO THE PROPERTY SHOULD CHECK WITH THE APPROPRIATE CITY OR COUNTY PLANNING DEPARTMENT TO VERIFY THAT THE UNIT OF LAND BEING TRANSFERRED IS A LAWFULLY ESTABLISHED LOT OR PARCEL, AS DEFINED IN ORS 92.010 OR 215.010, TO VERIFY THE APPROVED USES OF THE LOT OR PARCEL, TO DETERMINE ANY LIMITS ON LAWSUITS AGAINST FARMING OR FOREST PRACTICES, AS DEFINED IN ORS 30.930, AND TO INQUIRE ABOUT THE RIGHTS OF NEIGHBORING PROPERTY OWNERS, IF ANY, UNDER ORS 195.300, 195.301 AND 195.305 TO 195.336 AND SECTIONS 5 TO 11, CHAPTER 424, OREGON LAWS 2007, SECTIONS 2 TO 9 AND 17, CHAPTER 855, OREGON LAWS 2009, AND SECTIONS 2 TO 7, CHAPTER 8, OREGON LAWS 2010.

Dated this 24 day of MAY, 2019

[Signature]
DAVID KOZA

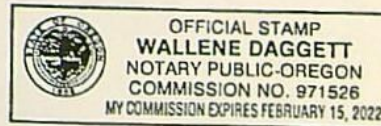
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STATE OF OREGON)
) ss.
County of Union)

OWRD

On May 24th, 2019, before me personally appeared David Koza, and acknowledged the foregoing instrument to be his voluntary act and deed.

[Signature]



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EXHIBIT "A"

TRACT 1

TL-4000

The southeast quarter of the northeast quarter of Section 14, Township 2 South, Range 38 East of the Willamette Meridan.

(02S38-4000 Ref #6407)

TRACT 2

TL 4100

The northeast quarter of southeast quarter of Section 14, Township 2 South, Range 38 East of the Willamette Meridian, EXCEPTING the South 60 feet thereof.

(02S38-4100 Ref#6403)

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STATE OF OREGON

County of Union

} SS

I certify that this instrument was received and recorded in the book of records of said county.

ROBIN A. CHURCH
Union County Clerk

by *[Signature]* Deputy.

DOC# 20191270
RCPT 192377 95.00
5/28/2019 10:00 AM
REFUND: .00

6-10094



98781^M

BARGAIN AND SALE DEED

HELEN JEAN SPECKHART conveys to SPECKHART FARMS, INC., all of her right, title and interest in that real property described as:

TRACT I

TL
3900

The south half of northwest quarter, the north half of southwest quarter, the southwest quarter of northeast quarter and the northwest quarter of southeast quarter of Section 14, Township 2 South, Range 38 East of the Willamette Meridian; SUBJECT TO roads over and across the north and west sides thereof.

TRACT II

TL
3400

The west half of west half of Section 13 and the southeast quarter of southeast quarter and the South 60 feet of northeast quarter of southeast quarter of Section 14, Township 2 South, Range 38 East of the Willamette Meridian; SUBJECT TO road over and across the north side thereof, and EXCEPTING THEREFROM: Beginning at the northeast corner of the west half of west half of said Section 13, and running thence West 28 rods; thence South 10 rods; thence East 28 rods; thence North 10 rods to the place of beginning.

TRACT III

Beginning at the southwest corner of the northeast quarter of southwest quarter of Section 33, Township 1 South, Range 38 East of the Willamette Meridian; thence North 20 rods; thence east parallel with the south line of said Section 33 a distance of 160 rods; thence South 20 rods to the southeast corner of the northeast quarter of southwest quarter of said Section 33; thence west along the south line of said section 160 rods to the place of beginning. Being the South 20 rods of the northeast quarter of southwest quarter and the South 20 rods of the northwest quarter of southeast quarter of Section 33, Township 1 South, Range 38 EWM.

ALL SITUATE IN Union County, State of Oregon.

The true and actual consideration for this transfer is stock in Speckhart Farms, Inc.

DATED this 25 day of February, 1981.

HELEN JEAN SPECKHART

STATE OF OREGON)
COUNTY OF UNION) ss:
February 24, 1981

Page ONE--Bargain & Sale Deed

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Exhibit B
Page 16 of 20

EXHIBIT "A"

PARCEL I:

The north half of southeast quarter of Section 32 in Township 1 South, Range 39 East of the Willamette Meridian; SUBJECT TO roads over and across the north and west sides thereof and utility easements as same may now exist or appear of record.

SITUATE IN the County of Union, State of Oregon.

PARCEL II:

TAX LOTS 1300 and 1400

All of Lots (or tracts) of Lots one (1), two (2), and three (3) of RIVERSIDE ORCHARD TRACTS, Grande Ronde Valley, Oregon, Union County, Oregon, according to the recorded plat thereof and situated in Section 29, Township 1 South, Range 39 East of the Willamette Meridian, Union County, Oregon

TAX LOT 10400

All of the northeast quarter (NE 1/4) of Section 32 and the west 16 acres of the northwest quarter of Section thirty-three (33), all in township 1 South, Range 39 East of the Willamette Meridian, Union County, Oregon; except a portion of land conveyed to Elwyn Bingaman, Union County deed book 149, Page 428, and excepting that portion of the northeast quarter of Section 32 lying northerly of the Grande Ronde River;

All of that portion of the southeast quarter of the southeast quarter (SE 1/4) (SE 1/4) of Section twenty-nine (29) and all of that portion of the southwest quarter of the southwest quarter (SW 1/4) (SW 1/4) of Section twenty-eight (28) lying southerly of the Grande Ronde River and westerly of the west line of the 16-acre parcel (described above) in the northwest quarter of Section 33 as said line is extended northerly to the said Grande Ronde River, all situated in Township 1 South, Range 39 East of the Willamette Meridian, Union County, Oregon.

PARCEL III:

Part of TL #2300,

The South half of the South half (S 1/2 of S 1/2) of Section 12, being situated in Township 2 South, Range 38 East of the Willamette Meridian, Union County, Oregon, SUBJECT TO County road.

TL-2301

2301 E.B.

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PARCEL IV:

The southeast quarter (SE 1/4) of Section Thirty (30), Township 1 South, Range 39 East of the Willamette Meridian (\$47,500.00). SUBJECT TO county road.

PARCEL V:

The south half of the southeast quarter (S 1/2, SE 1/4) of Section two (2), Township 2 South, Range 38 east of the Willamette Meridian, SUBJECT TO county road (\$27,000.00).

PARCEL VI:

An undivided one-half (1/2) interest in the following described property:

Lots 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18 and 19 in IMBLER FRUIT COLONY TRACT in Union County, Oregon, according to the recorded plat thereof. Also one square acre tract in the southeast corner of the southwest quarter of Section 32, Township 1 South, Range 39 East of the Willamette Meridian, bounded as follows:

Commencing at the southeast corner of the southwest quarter of said Section 32; running thence West 208.71 feet; thence North 208.71 feet; thence East 208.71 feet; thence South 208.71 feet to the place of beginning, all of the above land being situated in the southwest quarter of Section 32, Township 1 South, Range 39 East of the Willamette Meridian.

PARCEL VII:

An undivided one-half (1/2) interest in the following described property:

Commencing at the northeast corner of the northeast quarter of the southwest quarter of Section 32, in Township 1 South, Range 39 East of the Willamette Meridian; running thence West 24.07 chains to the right of way of the Oregon-Washington Railroad and Navigation Company (Elgin Branch); thence in a southwesterly direction along the easterly line of said railroad right of way 19.86 chains; thence East 28.956 chains to the quarter section line running north and south through said section; thence north along said quarter section line 19.25 chains to the place of beginning. Situated in the north half of the southwest quarter of Section 32, Township 1 South, Range 39 East of the Willamette Meridian.

SITUATE in the county of Union, State of Oregon.

STATE OF OREGON

County of Union

SS

I certify that this instrument was received and recorded in the book of records of said county.



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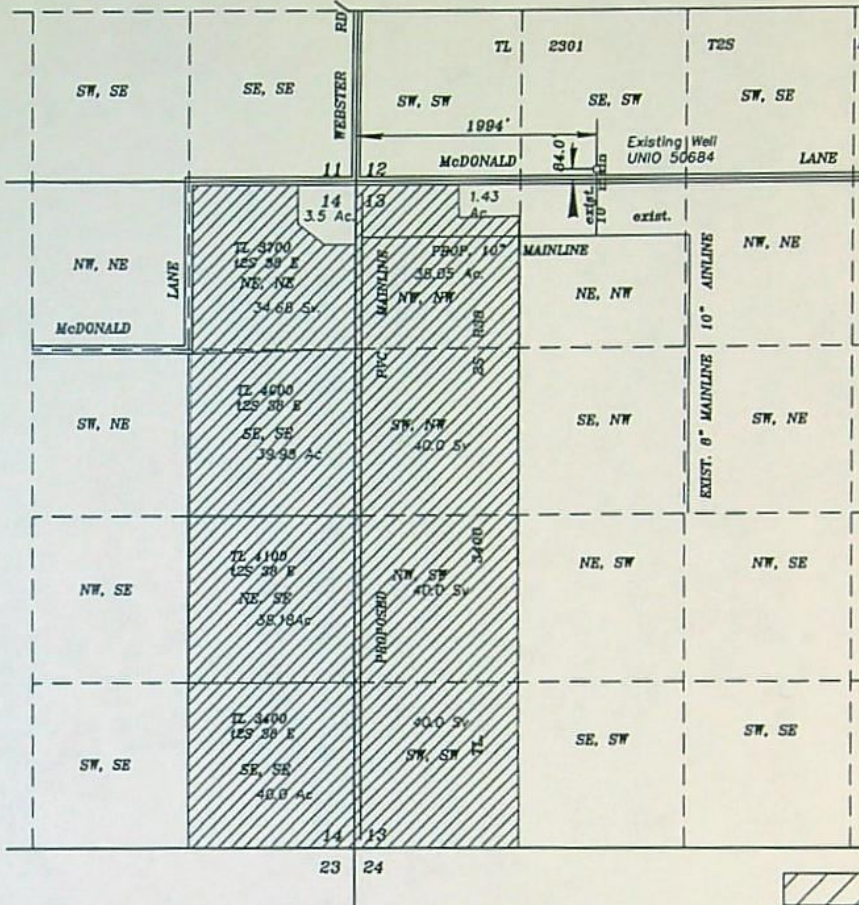
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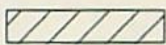
OWRD

T 2 S R 38 E



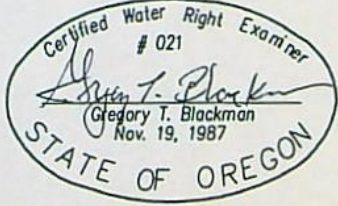
SCALE: 1"=1320'

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Lands requesting primary water from well UNIO 50684.

Proposed point of diversion is authorized under Certificate No. 89503 shown. POD located at a point 84" North and 1994" East from the SW Corner of Section 12, T2S R 38 E, WM. This point of diversion is existing and is a working Basalt Well, well log UNIO 50684 with a priority date of January 31, 2003.



NOVEMBER 21, 2019
APPLICATION MAP FOR
IRRIGATION OF LANDS
FROM AN EXISTING
BASALT WELL

FOR
GREG BINGAMAN
BY
GREG BLACKMAN WATER RIGHTS
126 RIDGE DRIVE
LA GRANDE, OREGON 97850

NOTE: The preparation of this map was for the purpose of identifying the location of the proposed water right and has no intent to provide dimensions or location of property ownership lines. Location information shown hereon was furnished by the applicant.

APPLICATION NO. _____
PERMIT NO. _____

G-10094



Oregon
Kate Brown, Governor

Water Resources Department
725 Summer St NE, Suite A
Salem, OR 97301
(503) 986-0900
Fax (503) 986-0904

December 17, 2019

Dear Applicant:

The Oregon Water Resources Department has received your groundwater applications for a water use permit. Your applications has been assigned file number G-18894, and G-18895. Please refer to this number when contacting the Department. Should you have any questions about your applications, please contact the following Water Rights Specialist assigned to your applications:

Lisa Graham, Water Rights Specialist	Phone: 503-986-0808
	Email: elisabeth.a.graham@oregon.gov

A description of the steps that are used for processing a water right application are shown on the reverse side of this letter.

The first step in the water rights process is the completion of a groundwater review by the Department. This review can take approximately 6-9 months to complete, sometimes longer. Once the groundwater review is completed, you will receive a copy of an Initial Review that summarizes the Department's preliminary determinations. Copies of the Proposed Final Order and Final Order will also be mailed to you.

Please note that your application is subject to review and comment from other state agencies and interested parties.

Sincerely,

Cory Middleton
Customer Service Representative
Oregon Water Resources Department

cc: File
Gregory Blackman, Agent

COPY

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PUBLIC INTEREST REVIEW FOR GROUNDWATER APPLICATIONS

TO: Water Rights Section Date 02/14/2020
 FROM: Groundwater Section Phillip L. Marcy
 Reviewer's Name
 SUBJECT: Application G- 18894 Supersedes review of _____
 Date of Review(s) _____

PUBLIC INTEREST PRESUMPTION: GROUNDWATER

OAR 690-310-130 (1) The Department shall presume that a proposed groundwater use will ensure the preservation of the public welfare, safety and health as described in ORS 537.525. Department staff review groundwater applications under OAR 690-310-140 to determine whether the presumption is established. OAR 690-310-140 allows the proposed use be modified or conditioned to meet the presumption criteria. **This review is based upon available information and agency policies in place at the time of evaluation.**

A. GENERAL INFORMATION: Applicant's Name: Gregory L. Bingaman County: Union

- A1. Applicant(s) seek(s) 5.18 cfs from 1 well(s) in the Grande Ronde Basin,
 _____ subbasin
- A2. Proposed use Irrigation (310.89 acres) Seasonality: March 1st - October 1st (214 days)
- A3. Well and aquifer data (attach and number logs for existing wells; mark proposed wells as such under logid):

Well	Logid	Applicant's Well #	Proposed Aquifer*	Proposed Rate(cfs)	Location (T/R-S QQ-Q)	Location, metes and bounds, e.g. 2250' N, 1200' E fr NW cor S 36
1	UNIO 50684	1	Basalt	5.18	2S/38E-12 SE-SW	84' N, 1994' E fr SW cor. S 12
2						
3						
4						
5						

* Alluvium, CRB, Bedrock

Well	Well Elev ft msl	First Water ft bls	SWL ft bls	SWL Date	Well Depth (ft)	Seal Interval (ft)	Casing Intervals (ft)	Liner Intervals (ft)	Perforations Or Screens (ft)	Well Yield (gpm)	Draw Down (ft)	Test Type
1	2775	154	-30.03	03/24/2008	3138	0-197, 1772-1872	0-1772	NA	1772-1952, 2352-2472, 2417-2457, 2587-2687, 2697-2767, 2817-3138	1700	36' in 7 hours	Pump

Use data from application for proposed wells

- A4. **Comments:** The proposed POA well is constructed to produce from Powder River Volcanics and associated volcanioclastic lithologies at depths below 1872' below land surface. This well is an authorized POA on three existing water rights, Certificate 89503, Permit G-12738, and Permit G-15160, for a total authorized rate of 6.7 cfs. The reported yield of the POA well is 1700 gpm (3.79 cfs), far below what is already authorized.
- A5. **Provisions of the** Grande Ronde Basin rules relative to the development, classification and/or management of groundwater hydraulically connected to surface water are, or are not, activated by this application. (Not all basin rules contain such provisions.)
 Comments: _____

- A6. Well(s) # _____, _____, _____, _____, _____ tap(s) an aquifer limited by an administrative restriction.
 Name of administrative area: _____
 Comments: _____

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B. GROUNDWATER AVAILABILITY CONSIDERATIONS. OAR 690-310-130, 400-010, 410-0070

B1. Based upon available data, I have determined that groundwater* for the proposed use:

- a. is over appropriated. is not over appropriated, or cannot be determined to be over appropriated during any period of the proposed use. * This finding is limited to the groundwater portion of the over-appropriation determination as prescribed in OAR 690-310-130;
- b. will not or will likely be available in the amounts requested without injury to prior water rights. * This finding is limited to the groundwater portion of the injury determination as prescribed in OAR 690-310-130;
- c. will not or will likely to be available within the capacity of the groundwater resource; or
- d. will, if properly conditioned, avoid injury to existing groundwater rights or to the groundwater resource:
- The permit should contain condition #(s) 7N: "Large Water Use Reporting";
 - The permit should be conditioned as indicated in item 2 below.
 - The permit should contain special condition(s) as indicated in item 3 below;

- B2. a. Condition to allow groundwater production from no deeper than _____ ft. below land surface;
- b. Condition to allow groundwater production from no shallower than _____ ft. below land surface;
- c. Condition to allow groundwater production only from the _____ groundwater reservoir between approximately _____ ft. and _____ ft. below land surface;
- d. Well reconstruction is necessary to accomplish one or more of the above conditions. The problems that are likely to occur with this use and without reconstructing are cited below. Without reconstruction, I recommend withholding issuance of the permit until evidence of well reconstruction is filed with the Department and approved by the Groundwater Section.

Describe injury –as related to water availability– that is likely to occur without well reconstruction (interference w/ senior water rights, not within the capacity of the resource, etc): _____

- B3. **Groundwater availability remarks:** The proposed POA well, UNIO 50684, produces from volcanic flow rocks and associated volcanoclastics of the Powder River Volcanics and likely the upper portions of the Grande Ronde Basalt of the Columbia River Basalt Group. Based on construction and similar head elevations, two nearby wells appear to produce water from the same source aquifer. UNIO 2046 lies about 3 miles NNE of the proposed POA, is authorized for irrigation use under certificate 90496, and belongs to the applicant. UNIO 173 is located 2.75 miles due north of the proposed POA, is authorized under certificate 51170 and permits G-15644 and G-16963, and is not owned by the applicant, and therefore likely represents the most likely target of possible well to well interference.

Calculations of expected drawdown at neighboring UNIO 173 include all currently authorized pumping, in addition to the proposed rate herein, a total of 11.88 cfs. Using a range of transmissivity values derived from nearby pump tests in basalt wells, and a range of storativity values appropriate for confined aquifers, a series of Theis drawdown calculations were performed. Expected impacts at UNIO 173 from pumping UNIO 50684 at 11.88 cfs for a period of 245 days fall between 25 and 50 feet under the most likely scenarios. Static water levels in UNIO 173 are typically between 55 and 85 feet above land surface, meaning that if 50' of drawdown does occur, resulting static water level will likely remain above land surface.

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C. GROUNDWATER/SURFACE WATER CONSIDERATIONS, OAR 690-09-040

C1. 690-09-040 (1): Evaluation of aquifer confinement:

Well	Aquifer or Proposed Aquifer	Confined	Unconfined
1	Powder River Volcanics and CRBG	<input checked="" type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>

Basis for aquifer confinement evaluation: The applicant's well produces from depths below 1872' below land surface, and flows artesian at land surface. It is typical for wells producing from deep-seated volcanic aquifers in this region to have static water levels well above the elevation of their respective water-bearing zones.

C2. 690-09-040 (2) (3): Evaluation of distance to, and hydraulic connection with, surface water sources. All wells located a horizontal distance less than ¼ mile from a surface water source that produce water from an unconfined aquifer shall be assumed to be hydraulically connected to the surface water source. Include in this table any streams located beyond one mile that are evaluated for PSI.

Well	SW #	Surface Water Name	GW Elev ft msl	SW Elev ft msl	Distance (ft)	Hydraulically Connected?			Potential for Subst. Interfer. Assumed?	
						YES	NO	ASSUMED	YES	NO
1	1	Canyon Creek	2805	2720	5200	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Basis for aquifer hydraulic connection evaluation: Groundwater in the deep-seated volcanic aquifer in the Grande Ronde Valley is likely hydraulically isolated, due to thick successions of volcanic rock and fine-grained sediments that severely limit the ability of groundwater to migrate vertically. In addition, the elevation difference between groundwater in the POA well and surface water within 1 mile are significantly different.

Water Availability Basin the well(s) are located within: GRANDE RONDE R> SNAKE R- AB WILLOW CR

C3a. 690-09-040 (4): Evaluation of stream impacts for each well that has been determined or assumed to be hydraulically connected and less than 1 mile from a surface water source. Limit evaluation to instream rights and minimum stream flows that are pertinent to that surface water source, and not lower SW sources to which the stream under evaluation is tributary. Compare the requested rate against the 1% of 80% natural flow for the pertinent Water Availability Basin (WAB). If Q is not distributed by well, use full rate for each well. Any checked box indicates the well is assumed to have the potential to cause PSI.

Well	SW #	Well < ¼ mile?	Qw > 5 cfs?	Instream Water Right ID	Instream Water Right Q (cfs)	Qw > 1% ISWR?	80% Natural Flow (cfs)	Qw > 1% of 80% Natural Flow?	Interference @ 30 days (%)	Potential for Subst. Interfer. Assumed?
		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>

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C3b. 690-09-040 (4): Evaluation of stream impacts by total appropriation for all wells determined or assumed to be hydraulically connected and less than 1 mile from a surface water source. Complete only if Q is distributed among wells. Otherwise same evaluation and limitations apply as in C3a above.

SW #	Qw > 5 cfs?	Instream Water Right ID	Instream Water Right Q (cfs)	Qw > 1% ISWR?	80% Natural Flow (cfs)	Qw > 1% of 80% Natural Flow?	Interference @ 30 days (%)	Potential for Subst. Interfer. Assumed?
	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>

Comments: This section does not apply.

C4a. 690-09-040 (5): Estimated impacts on hydraulically connected surface water sources greater than one mile as a percentage of the proposed pumping rate. Limit evaluation to the effects that will occur up to one year after pumping begins. This table encompasses the considerations required by 09-040 (5)(a), (b), (c) and (d), which are not included on this form. Use additional sheets if calculated flows from more than one WAB are required.

Non-Distributed Wells													
Well	SW#	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS													
Interference CFS													
Distributed Wells													
Well	SW#	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS													
Interference CFS													
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS													
Interference CFS													
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS													
Interference CFS													
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS													
Interference CFS													
(A) = Total Interf.													
(B) = 80 % Nat. Q													
(C) = 1 % Nat. Q													
(D) = (A) > (C)													
(E) = (A / B) x 100		%	%	%	%	%	%	%	%	%	%	%	%

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(A) = total interference as CFS; (B) = WAB calculated natural flow at 80% exceed. as CFS; (C) = 1% of calculated natural flow at 80% exceed. as CFS; (D) = highlight the checkmark for each month where (A) is greater than (C); (E) = total interference divided by 80% flow as percentage.

Basis for impact evaluation: This section does not apply.

C4b. 690-09-040 (5) (b) The potential to impair or detrimentally affect the public interest is to be determined by the Water Rights Section.

- C5. If properly conditioned, the surface water source(s) can be adequately protected from interference, and/or groundwater use under this permit can be regulated if it is found to substantially interfere with surface water:
 - i. The permit should contain condition #(s) _____;
 - ii. The permit should contain special condition(s) as indicated in "Remarks" below;

C6. SW / GW Remarks and Conditions:

Special Condition: If a permit is issued, OWRD staff shall be granted access to the POA well in order to conduct static water level measurements in addition to yearly static water level measurements in March required by Condition 7N in Section B1 above.

References Used: Development Potential of Ground Water in the Grande Ronde Valley, Union County, Oregon, Ham, 1966

Ferns, M. L., McConnell, V. S., Madin, I. P., and Johnson, J. A., 2010, Geology of the upper Grande Ronde River basin, Union County, Oregon; Oregon Department of Geology and Mineral Industries Bulletin 107, scale 1:100,000, 65 p.

OWRD water level database.

Groundwater review G-17558.

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D. WELL CONSTRUCTION, OAR 690-200

D1. Well #: _____ Logid: _____

D2. THE WELL does not appear to meet current well construction standards based upon:

- a. review of the well log;
- b. field inspection by _____;
- c. report of CWRE _____;
- d. other: (specify) _____

D3. THE WELL construction deficiency or other comment is described as follows: _____

D4. Route to the Well Construction and Compliance Section for a review of existing well construction.

Water Availability Tables

DETAILED REPORT ON THE WATER AVAILABILITY CALCULATION						
Watershed ID #: 30810407		GRANDE RONDE R > SNAKE R - AB WILLOW CR			Exceedance Level: 80	
Time: 3:52 PM		Basin: GRANDE RONDE			Date: 02/11/2020	
Month	Natural Stream Flow	Consumptive Use and Storage	Expected Stream Flow	Reserved Stream Flow	Instream Requirements	Net water Available
Monthly values are in cfs. Storage is the annual amount at 50% exceedance in ac-ft.						
JAN	138.00	17.70	120.00	23.70	0.00	96.60
FEB	246.00	21.70	224.00	62.30	0.00	162.00
MAR	431.00	23.50	408.00	118.00	0.00	290.00
APR	966.00	148.00	818.00	131.00	0.00	687.00
MAY	1,100.00	332.00	768.00	187.00	0.00	581.00
JUN	530.00	293.00	237.00	58.40	0.00	179.00
JUL	257.00	138.00	119.00	0.00	0.00	119.00
AUG	185.00	90.20	94.80	0.00	0.00	94.80
SEP	127.00	63.60	63.40	0.00	0.00	63.40
OCT	85.60	23.30	62.30	1.55	0.00	60.80
NOV	93.10	15.00	78.10	0.00	0.00	78.10
DEC	111.00	16.80	94.20	13.00	0.00	81.20
ANN	429,000	71,500	358,000	35,900	0	322,000

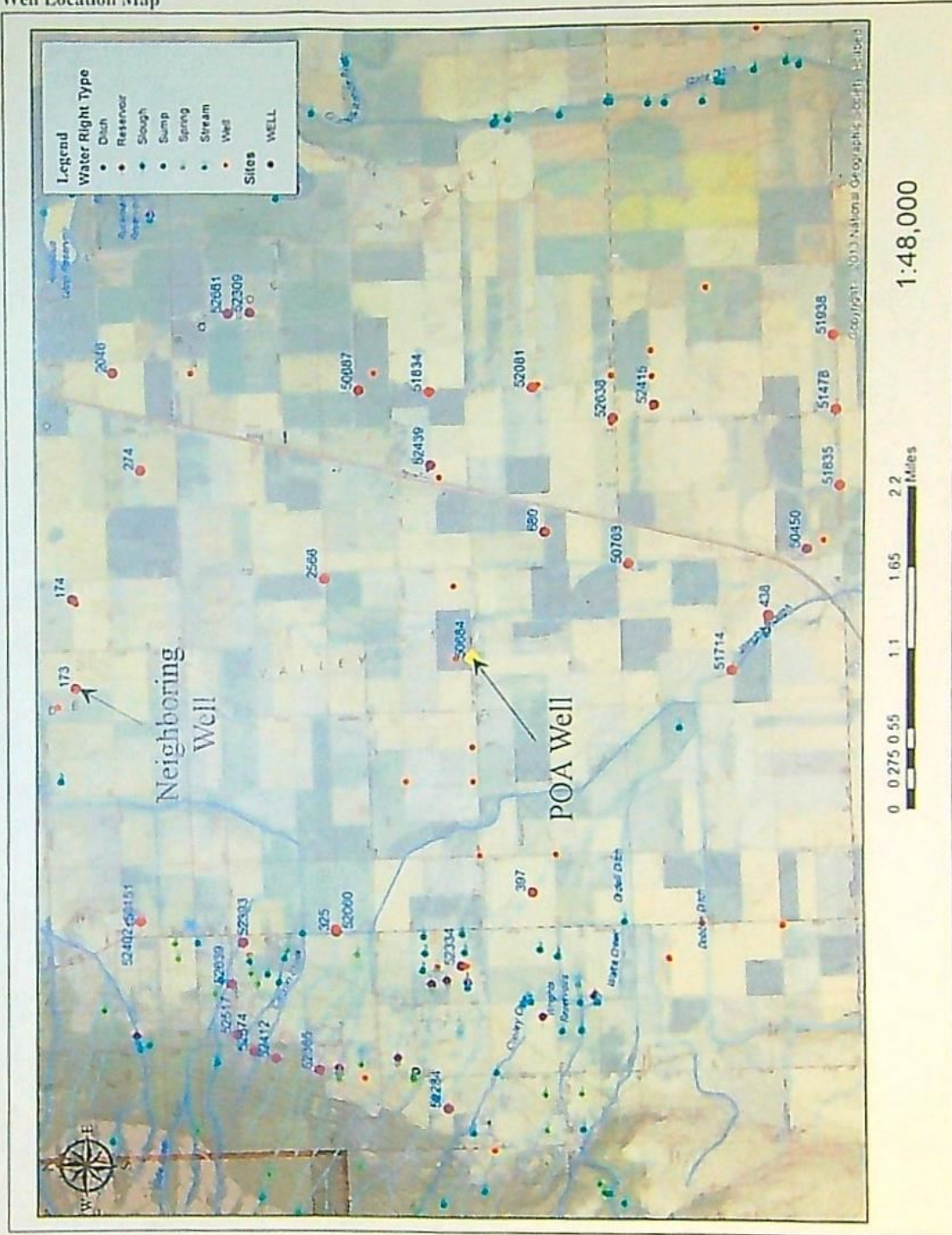
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Well Location Map



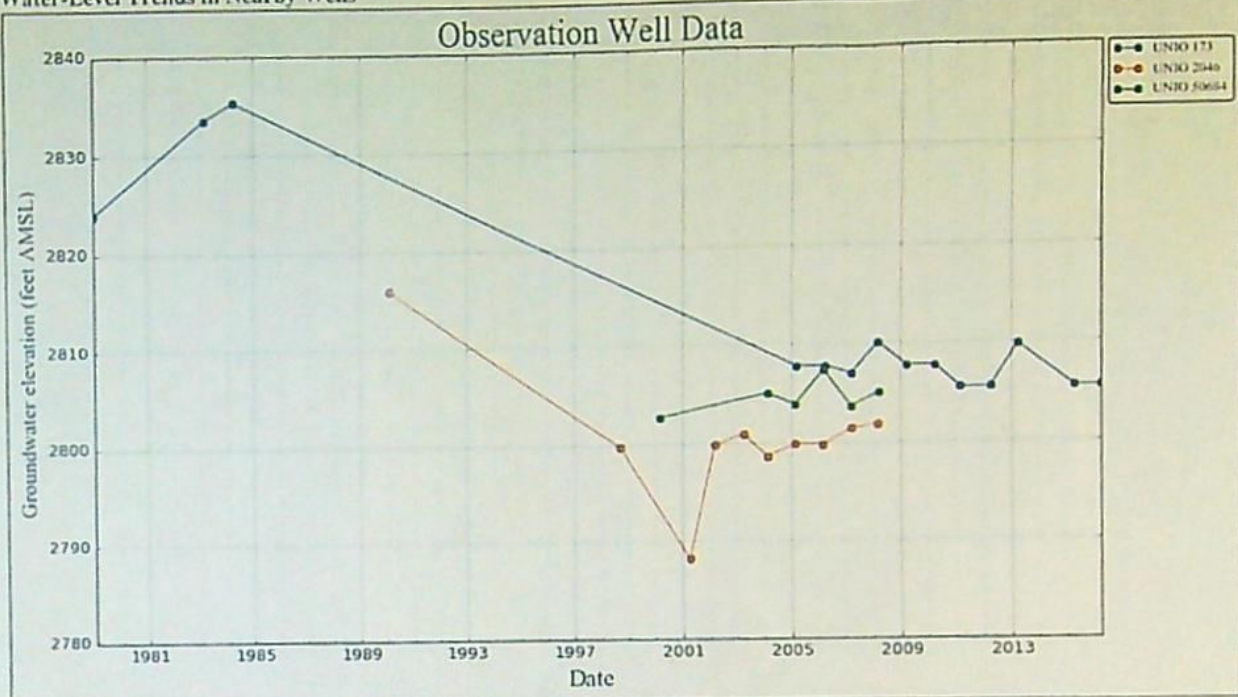
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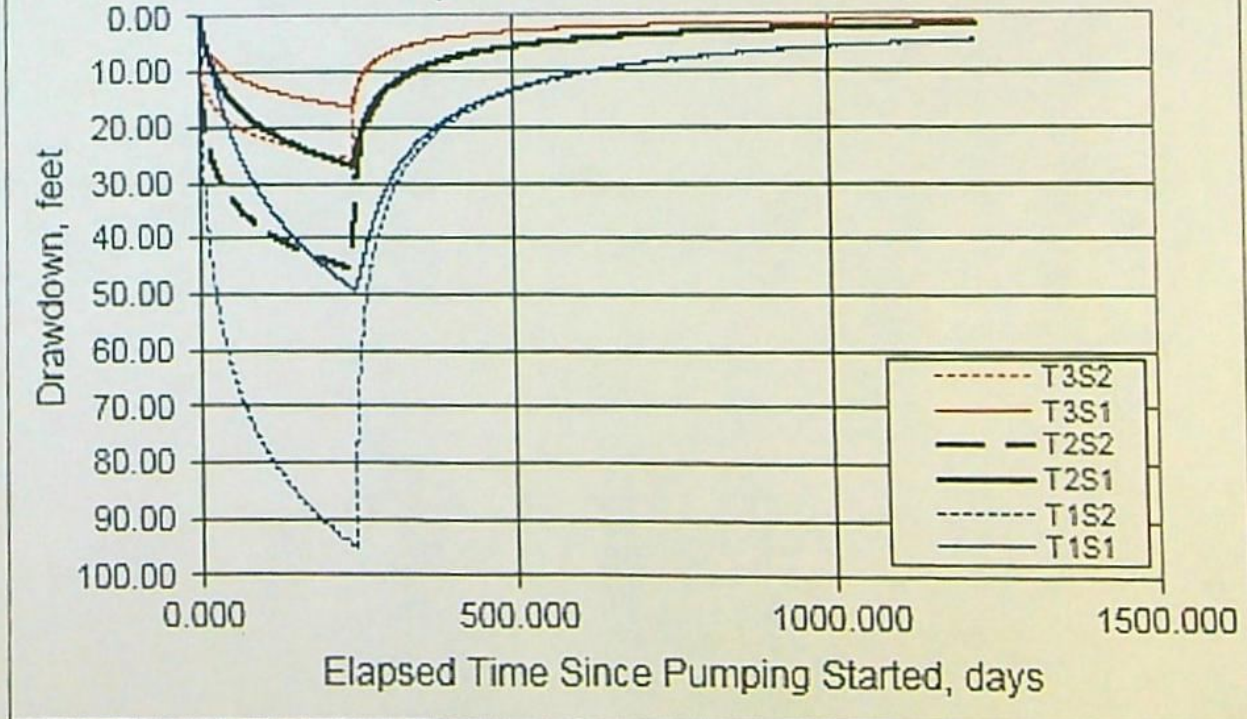
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Water-Level Trends in Nearby Wells



This Drawdown and Recovery at r = 14500 ft From Pumping Well
 Pump on = 352800 minutes = 245.00 days



Expected drawdown (using T2 curves) at UNIO 173 is between roughly 25 and 55 feet after pumping UNIO 50684 for 245 days at a rate of 11.88 cfs, the combined rate of current authorizations and the proposed rate on this application.

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Exhibit D
 Page 8 of 8



Water Right Application Initial Review

August 7, 2020

GREGORY L. BINGAMAN
64088 MCDONALD LANE
LA GRANDE OR 97850

Reference: Application G-18894

This document is to inform you of the preliminary analysis of the water-use permit application and to describe your options. In determining whether an application may be approved, the Department must consider the factors listed below, all of which must be favorable to the proposed use if it is to be allowed. Based on the information supplied, the Water Resources Department has made the following preliminary determinations:

Preliminary Determinations under Oregon Administrative Rule (OAR) 690-310-0080:

1. Application G-18894 proposes the appropriation of 5.18 cubic feet per second (CFS) of water from a well (UNIO 50684/L40696) in Canyon Creek Basin for irrigation of 310.89 acres March 1 through October 31 of each year.
2. The proposed use is not prohibited by law or rule except where otherwise noted below.
3. Irrigation is allowed under the Grande Ronde Basin Program. (OAR 690-508-0020(1)(a))
4. Groundwater will likely be available within the capacity of the resource, and if properly conditioned (and if authorized), the proposed use of groundwater will avoid injury to existing groundwater rights.
5. The Department has determined, based upon OAR 690-009, that the proposed groundwater use will not have the potential for substantial interference with any surface water source.
6. The proposed use is located above the Grande Ronde Scenic Waterway, as designated under Oregon Revised Statute 390.826. The Department has determined, based upon OAR 690-310-0260, that there is not a preponderance of evidence that the proposed use of groundwater will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway in quantities necessary for recreation, fish and wildlife.
7. The point of appropriation is not located within a critical, limited, or withdrawn groundwater area.
8. Documentation has been submitted from the relevant land-use planning jurisdiction that indicates the proposed use is allowed outright.

9. The application proposed a rate that is higher than the general basin-wide standard and submitted information that demonstrates the need for the higher amount. Oregon Revised Statute 537.621(4) allows the Department to authorize the requested amount, except upon specific findings related to the application to support a determination that a lesser amount is needed. The Department has determined there is a need for the higher amount of 1/60th of a CFS per acre.

Summary of Preliminary Determinations

The appropriation of 5.18 CFS of water from a well (UNIO 50684/L40696) in Canyon Creek Basin for irrigation of 310.89 acres is allowable March 1 through October 31 of each year.

Because of the favorable determinations described herein, Application G-18894 can move to the next phase of the water-rights application review process, which includes a public interest review.

At this time, you must decide whether to proceed or to withdraw the application.

- To Proceed - If you choose to proceed with the application you do not have to notify the Department. The application will be placed on the Department's Public Notice to allow others the opportunity to comment. After the comment period the Department will complete a public interest review and issue a Proposed Final Order.
- To Withdraw - You may withdraw the application and receive a refund (minus a \$260 examination fee per application). You must notify the Department **in writing** by **August 21, 2020**. For your convenience you may use the enclosed "STOP PROCESSING" form.

If a permit is issued, it will likely include the following conditions:

1. Construction of the well shall begin within five years of the date of permit issuance. The deadline to begin construction may not be extended. This permit is subject to cancellation proceedings if the construction deadline to begin is missed.
2. If the number, location, source, or construction of any well deviates from that proposed in the permit application or required by permit conditions, this permit may not be valid, unless the Department authorizes the change in writing.
3. **Water Use Measurement, Recording, and Reporting Condition:**
 - A. Before water use may begin under this permit, the permittee shall install a totalizing flow meter at each point of appropriation. The permittee shall maintain the device in good working order.
 - B. The permittee shall allow the watermaster access to the device; provided however, where any device is located within a private structure, the watermaster shall request access upon reasonable notice.
 - C. The permittee shall keep a complete record of the volume of water used each month, and shall submit an annual report which includes the recorded water-use measurements to the Department annually, or more frequently as may be required by the Director. Further, the

Director may require the permittee to report general water-use information, including the place and nature of use of water under the permit.

- D. The Director may provide an opportunity for the permittee to submit alternative measuring and reporting procedures for review and approval.

4. Static Water Level Condition:

The Department requires the water user to obtain, from a qualified individual (see below), and report annual static water levels for each well on the permit. The static water level shall be measured in the month of March. Reports shall be submitted to the Department within 30 days of measurement.

The permittee shall report an initial March static water-level measurement once well construction is complete and annual measurements thereafter. Annual measurements are required whether or not the well is used. The first annual measurement will establish a reference level against which future measurements will be compared. However, the Director may establish the reference level based on an analysis of other water-level data. The Director may require the user to obtain and report additional water levels each year if more data are needed to evaluate the aquifer system.

All measurements shall be made by a certified water rights examiner, registered professional geologist, registered professional engineer, licensed well constructor or pump installer licensed by the Construction Contractors Board. Measurements shall be submitted on forms provided by, or specified by, the Department. Measurements shall be made with equipment that is accurate to at least the standards specified in OAR 690-217-0045. The Department requires the individual performing the measurement to:

- A. Associate each measurement with an owner's well name or number and a Department well log ID; and
- B. Report water levels to at least the nearest tenth of a foot as depth-to-water below ground surface; and
- C. Specify the method of measurement; and
- D. Certify the accuracy of all measurements and calculations reported to the Department.

The water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s) if any of the following events occur:

- A. Annual water-level measurements reveal an average water-level decline of three or more feet per year for five consecutive years; or
- B. Annual water-level measurements reveal a water-level decline of 15 or more feet in fewer than five consecutive years; or
- C. Annual water-level measurements reveal a water-level decline of 25 or more feet; or
- D. Hydraulic interference leads to a decline of 25 or more feet in any neighboring well with senior priority.

The period of restricted use shall continue until the water level rises above the decline level which triggered the action or the Department determines, based on the permittee's and/or the Department's data and analysis, that no action is necessary because the aquifer in question can sustain the observed declines without adversely impacting the resource or causing substantial interference with senior water rights. The water user shall not allow excessive decline, as defined in Commission rules, to occur within the aquifer as a result of use under this permit. If more than one well is involved, the water user may submit an alternative measurement and reporting plan for review and approval by the Department.

5. The Department shall be granted access to the well in order to conduct static water level measurements in addition to yearly static water level measurements in March, as required by the condition above.

6. **Scenic Water Way Condition:**

Use of water under authority of this permit may be regulated if analysis of data available after the permit is issued discloses that the appropriation will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway in quantities necessary for recreation, fish and wildlife in effect as of the priority date of the right or as those quantities may be subsequently reduced.

7. **Well Identification Tag Condition:**

Prior to using water from any well listed on this permit, the permittee shall ensure that the well has been assigned an OWRD Well Identification Number (Well ID tag), which shall be permanently attached to the well. The Well ID shall be used as a reference in any correspondence regarding the well, including any reports of water use, water level, or pump test data.

The water source identified in the application may be affected by an Agricultural Water Quality Management Area Plan. These plans are developed by the Oregon Department of Agriculture (ODA) with the cooperation of local landowners and other interested stakeholders, and help to ensure that current and new appropriations of water are done in a way that does not adversely harm the environment. You are encouraged to explore ODA's website at <https://www.oregon.gov/ODA> to learn more about the plans and how they may affect the proposed water use.

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For Further Information:

Feel free to contact me at Elisabeth.A.Graham@oregon.gov or 503-986-0808 if you have any questions regarding the contents of this letter or the application. Please include the application number in all correspondence. General questions about water rights and water use permits should be directed to our customer service staff at 503-986-0900. When corresponding by mail, please use this address: Lisa Graham, Oregon Water Resources Department, 725 Summer St NE Ste A, Salem OR 97301-1266. Our fax number is 503-986-0901.

Sincerely,

Lisa Graham

Lisa Graham
Water Right Application Specialist
Oregon Water Resources Department

Enclosures: Application Process Description and Stop Processing Request Form

G-18894
WAB: No PSI
Proposed to Approve

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APPLICATION FACT SHEET

Application File Number: G-18894

Applicant: GREGORY L. BINGAMAN

County: UNION

Watermaster: JANNA STEVENS, 6, ER

Priority Date: DECEMBER 16, 2019

Source: A WELL (UNIO 50684/L40696) IN CANYON CREEK BASIN

Use: IRRIGATION OF 310.89 ACRES

Quantity: 5.18 CUBIC FEET PER SECOND

Basin Name & Number: GRANDE RONDE, #8

WAB: GRANDE RONDE R > SNAKE R - AB WILLOW CR

Well Location:

Twsp	Rng	Mer	Sec	Q-Q	Measured Distances
2 S	38 E	WM	12	SE SW	84 FEET NORTH AND 1994 FEET EAST FROM SW CORNER, SECTION 12

Place of Use:

Twsp	Rng	Mer	Sec	Q-Q	Acres
2 S	38 E	WM	13	NW NW	38.05
2 S	38 E	WM	13	SW NW	40.00
2 S	38 E	WM	13	NW SW	40.00
2 S	38 E	WM	13	SW SW	40.00
2 S	38 E	WM	14	NE NE	34.68
2 S	38 E	WM	14	SE NE	39.98
2 S	38 E	WM	14	NE SE	38.18
2 S	38 E	WM	14	SE SE	40.00

PUBLIC NOTICE DATE: August 11, 2020

14 DAY STOP PROCESSING DEADLINE DATE: August 21, 2020

30 DAY COMMENT DEADLINE DATE: September 10, 2020

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The protest process

If one or more protests are filed, the process consists of:

- settlement discussion;
- contested case hearing;
- proposed Order;
- period of time to file exceptions; or
- Possible hearing by Water Resources Commission.
- Final Order is issued.

Permit holder responsibilities

- Comply with all water use conditions of the permit.
- Advise Department of address change or assignment to new permit holder.
- If need arises, request extension of time or authorize cancellation of permit.
- Submit timely claim of beneficial use (COBU) to the Department.
- Most permits require COBU to be prepared by a Certified Water Right Examiner.
- Permits may be canceled by the permit holder or by the Department for failure to comply with or one or more permit conditions.

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STOP PROCESSING REQUEST FORM
FOR GROUNDWATER, SURFACE WATER AND REGULAR RESERVOIR
APPLICATIONS

- Stop processing deadline is within 14 days of Initial Review.

Applicant notification to withdraw Water Right Application **G-18894**.

After reviewing the Initial Review for my application, I request that processing be stopped and fees be refunded (minus a \$260 examination fee). I understand that without a valid permit I may not legally use the water as requested in my application.

Signature _____ Date _____

Signature _____ Date _____

Under ORS 537.150 (5) and 537.620 (5), timely submission of this request authorizes that the water right application process be stopped and all filing fees (except \$260 examination fee) be returned.

- This notice must be received by the Water Resources Department no later than:

August 21, 2020

- Return the notice to:

OWRD, Water Right Services Division
STOP PROCESSING
725 Summer Street, NE - Suite A
Salem, OR 97301-1271

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PUBLIC INTEREST REVIEW FOR GROUNDWATER APPLICATIONS

TO: Water Rights Section Date 03/09/2023
 FROM: Groundwater Section Phillip I. Marcy
 Reviewer's Name
 SUBJECT: Application G- 18894 Supersedes review of 02/14/2020
 Date of Review(s)

PUBLIC INTEREST PRESUMPTION; GROUNDWATER

OAR 690-310-130 (1) The Department shall presume that a proposed groundwater use will ensure the preservation of the public welfare, safety and health as described in ORS 537.525. Department staff review groundwater applications under OAR 690-310-140 to determine whether the presumption is established. OAR 690-310-140 allows the proposed use be modified or conditioned to meet the presumption criteria. This review is based upon available information and agency policies in place at the time of evaluation.

A. **GENERAL INFORMATION:** Applicant's Name: Gregory L. Bingaman County: Union

A1. Applicant(s) seek(s) 5.18 cfs from 1 well(s) in the Grande Ronde Basin,
 _____ subbasin

A2. Proposed use Irrigation (310.89 acres) Seasonality: March 1st – October 1st (214 days)

A3. Well and aquifer data (attach and number logs for existing wells; mark proposed wells as such under logid):

Well	Logid	Applicant's Well #	Proposed Aquifer*	Proposed Rate(cfs)	Location (T/R-S QQ-Q)	Location, metes and bounds, e.g. 2250' N, 1200' E fr NW cor S 36
1	UNIO 50684	1	Basalt	5.18	2S/38E-12 SE-SW	84'N, 1994'E fr SW cor, S 12
2						
3						
4						
5						

* Alluvium, CRB, Bedrock

Well	Well Elev ft msl	First Water ft bls	SWL ft bls	SWL Date	Well Depth (ft)	Seal Interval (ft)	Casing Intervals (ft)	Liner Intervals (ft)	Perforations Or Screens (ft)	Well Yield (gpm)	Draw Down (ft)	Test Type
1	2775	154	-30.03	03/24/2008	3138	0-197; 1772- 1872	0-1772	NA	1772-1952; 2352-2472; 2417-2457; 2587-2687; 2697-2767; 2817-3138	1700	36' in 7 hours	Pump

Use data from application for proposed wells.

A4. **Comments:** The proposed POA well is constructed to produce from Powder River Volcanics and associated volcanoclastic lithologies at depths below 1872' below land surface. This well is an authorized POA on three existing water rights, Certificate 89503, Permit G-12738, and Permit G-15160, for a total authorized rate of 6.7 cfs. The reported yield of the POA well is 1700 gpm (3.79 cfs), far below what is already authorized.

This application proposing 5.18 CFS, was submitted at the same time as application G-18895, which proposes additional 3.85 CFS from the same POA (UNIO 50684), for a total combined rate of 15.73 CFS if these new applications are approved.

This re-review is being conducted in order to assess the capacity of the resource at the proposed POA.

A5. **Provisions of the** Grande Ronde Basin rules relative to the development, classification and/or management of groundwater hydraulically connected to surface water are, or are not, activated by this application. (Not all basin rules contain such provisions.)
 Comments: _____

A6. Well(s) # _____, _____, _____, _____, _____, tap(s) an aquifer limited by an administrative restriction. Name of administrative area: _____
 Comments: _____

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B. GROUNDWATER AVAILABILITY CONSIDERATIONS, OAR 690-310-130, 400-010, 410-0070

B1. Based upon available data, I have determined that groundwater* for the proposed use:

- a. is over appropriated, is not over appropriated, or cannot be determined to be over appropriated during any period of the proposed use. * This finding is limited to the groundwater portion of the over-appropriation determination as prescribed in OAR 690-310-130;
- b. will not or will likely be available in the amounts requested without injury to prior water rights. * This finding is limited to the groundwater portion of the injury determination as prescribed in OAR 690-310-130;
- c. will not or will likely to be available within the capacity of the groundwater resource; or
- d. will, if properly conditioned, avoid injury to existing groundwater rights or to the groundwater resource:
 - i. The permit should contain condition #(s) 7N; "Large Water Use Reporting";
 - ii. The permit should be conditioned as indicated in item 2 below.
 - iii. The permit should contain special condition(s) as indicated in item 3 below;

- B2.
- a. Condition to allow groundwater production from no deeper than _____ ft. below land surface;
 - b. Condition to allow groundwater production from no shallower than _____ ft. below land surface;
 - c. Condition to allow groundwater production only from the _____ groundwater reservoir between approximately _____ ft. and _____ ft. below land surface;
 - d. Well reconstruction is necessary to accomplish one or more of the above conditions. The problems that are likely to occur with this use and without reconstructing are cited below. Without reconstruction, I recommend withholding issuance of the permit until evidence of well reconstruction is filed with the Department and approved by the Groundwater Section.

Describe injury –as related to water availability– that is likely to occur without well reconstruction (interference w/ senior water rights, not within the capacity of the resource, etc): _____

B3. **Groundwater availability remarks:** The proposed POA well, UNIO 50684, produces from volcanic flow rocks and associated volcanoclastics of the Powder River Volcanics and likely the upper portions of the Grande Ronde Basalt of the Columbia River Basalt Group. Based on construction and similar head elevations, two nearby wells appear to produce water from the same source aquifer. UNIO 2046 lies about 3 miles NNE of the proposed POA, is authorized for irrigation use under certificate 90496, and belongs to the applicant. UNIO 173 is located 2.75 miles due north of the proposed POA, is authorized under certificate 51170 and permits G-15644 and G-16963, and is not owned by the applicant, and therefore likely represents the most likely target of possible well to well interference.

Calculations of expected drawdown at neighboring UNIO 173 include all currently authorized pumping, in addition to the proposed rate herein and application G-18895, a total of 15.73 cfs. Using a range of transmissivity values derived from nearby pump tests in basalt wells, and a range of storativity values appropriate for confined aquifers, a series of drawdown calculations were performed. Expected impacts at UNIO 173 from pumping UNIO 50684 at 15.73 cfs for a period of 214 days fall between 34 and 59 feet under the most likely scenarios (using transmissivity from pump test performed on the POA well).

The substantial increase in pumping proposed under applications G-18894 (this application) and G-18895 raises concerns about the long-term sustainability of the productive aquifer utilized by UNIO 50684. Using the identical parameters as used to calculate drawdown in UNIO 173, the calculated drawdown in the production well ranges between 241 and 266 feet after 245 days of continuous pumping. Due to the high transmissivity in the target aquifer, the well is expected to recover quickly, returning to near 16 feet below pre-pumping levels within 60 days after pumping ceases. This assumes that adequate sources of recharge exist for this aquifer, an assumption that cannot be confirmed with available data. The highly confined nature of the aquifer, and its anticipated degree of compartmentalization have led to determinations of a lack of connection to nearby water sources, including surface water and other wells. However, these factors also carry negative implications regarding the ability of groundwater to migrate into the productive aquifer. Due to the large degree of uncertainty surrounding this question, further development should be approached with caution. The substantial increase in pumping proposed would more than double the currently authorized production rate (2.35 times) and therefore presents an unreasonable risk without further data to support that this level of development is sustainable.

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C. GROUNDWATER/SURFACE WATER CONSIDERATIONS, OAR 690-09-040

C1. **690-09-040 (1):** Evaluation of aquifer confinement:

Well	Aquifer or Proposed Aquifer	Confined	Unconfined
1	Powder River Volcanics and CRBG	<input checked="" type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>

Basis for aquifer confinement evaluation: The applicant's well produces from depths below 1872' below land surface, and flows artesian at land surface. It is typical for wells producing from deep-seated volcanic aquifers in this region to have static water levels well above the elevation of their respective water-bearing zones.

C2. **690-09-040 (2) (3):** Evaluation of distance to, and hydraulic connection with, surface water sources. All wells located a horizontal distance less than ¼ mile from a surface water source that produce water from an unconfined aquifer shall be assumed to be hydraulically connected to the surface water source. Include in this table any streams located beyond one mile that are evaluated for PSI.

Well	SW #	Surface Water Name	GW Elev ft msl	SW Elev ft msl	Distance (ft)	Hydraulically Connected?			Potential for Subst. Interfer. Assumed?	
						YES	NO	ASSUMED	YES	NO
1	1	Canyon Creek	2805	2720	5200	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Basis for aquifer hydraulic connection evaluation: Groundwater in the deep-seated volcanic aquifer in the Grande Ronde Valley is likely hydraulically isolated, due to thick successions of volcanic rock and fine-grained sediments that severely limit the ability of groundwater to migrate vertically. In addition, the elevation difference between groundwater in the POA well and surface water within 1 mile are significantly different.

Water Availability Basin the well(s) are located within: GRANDE RONDE R> SNAKE R- AB WILLOW CR

C3a. **690-09-040 (4):** Evaluation of stream impacts for each well that has been determined or assumed to be **hydraulically connected and less than 1 mile** from a surface water source. Limit evaluation to instream rights and minimum stream flows that are pertinent to that surface water source, and not lower SW sources to which the stream under evaluation is tributary. Compare the requested rate against the 1% of 80% *natural* flow for the pertinent Water Availability Basin (WAB). If Q is not distributed by well, use full rate for each well. Any checked box indicates the well is assumed to have the potential to cause PSI.

Well	SW #	Well < ¼ mile?	Qw > 5 cfs?	Instream Water Right ID	Instream Water Right Q (cfs)	Qw > 1% ISWR?	80% Natural Flow (cfs)	Qw > 1% of 80% Natural Flow?	Interference @ 30 days (%)	Potential for Subst. Interfer. Assumed?
		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>

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C3b. **690-09-040 (4):** Evaluation of stream impacts by total appropriation for all wells determined or assumed to be hydraulically connected and less than 1 mile from a surface water source. Complete only if Q is distributed among wells. Otherwise same evaluation and limitations apply as in C3a above.

SW #	Qw > 5 cfs?	Instream Water Right ID	Instream Water Right Q (cfs)	Qw > 1% ISWR?	80% Natural Flow (cfs)	Qw > 1% of 80% Natural Flow?	Interference @ 30 days (%)	Potential for Subst. Interfer. Assumed?
	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>

Comments: This section does not apply.

C4a. **690-09-040 (5):** Estimated impacts on hydraulically connected surface water sources greater than one mile as a percentage of the proposed pumping rate. Limit evaluation to the effects that will occur up to one year after pumping begins. This table encompasses the considerations required by 09-040 (5)(a), (b), (c) and (d), which are not included on this form. Use additional sheets if calculated flows from more than one WAB are required.

Non-Distributed Wells													
Well	SW#	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS													
Interference CFS													
Distributed Wells													
Well	SW#	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS													
Interference CFS													
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS													
Interference CFS													
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS													
Interference CFS													
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS													
Interference CFS													
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS													
Interference CFS													
(A) = Total Interf.													
(B) = 80 % Nat. Q													
(C) = 1 % Nat. Q													
(D) = (A) > (C)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
(E) = (A / B) x 100		%	%	%	%	%	%	%	%	%	%	%	%

(A) = total interference as CFS; (B) = WAB calculated natural flow at 80% exceed, as CFS; (C) = 1% of calculated natural flow at 80% exceed, as CFS; (D) = highlight the checkmark for each month where (A) is greater than (C); (E) = total interference divided by 80% flow as percentage.

Basis for impact evaluation: This section does not apply.

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Exhibit F
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Salem, OR

D. WELL CONSTRUCTION, OAR 690-200

D1. Well #: _____ Logid: _____

D2. **THE WELL does not appear to meet current well construction standards based upon:**

- a. review of the well log;
- b. field inspection by _____;
- c. report of CWRE _____;
- d. other: (specify) _____

D3. **THE WELL construction deficiency or other comment is described as follows:** _____

D4. Route to the Well Construction and Compliance Section for a review of existing well construction.

Water Availability Tables

DETAILED REPORT ON THE WATER AVAILABILITY CALCULATION						
Watershed ID #: 30810407 Time: 3:52 PM		GRANDE RONDE R > SNAKE R - AB WILLOW CR Basin: GRANDE RONDE			Exceedance Level: 80 Date: 02/11/2020	
Month	Natural Stream Flow	Consumptive Use and Storage	Expected Stream Flow	Reserved Stream Flow	Instream Requirements	Net water Available
Monthly values are in cfs. Storage is the annual amount at 50% exceedance in ac-ft.						
JAN	138.00	17.70	120.00	23.70	0.00	96.60
FEB	246.00	21.70	224.00	62.30	0.00	162.00
MAR	431.00	23.50	408.00	118.00	0.00	290.00
APR	966.00	148.00	818.00	131.00	0.00	687.00
MAY	1,100.00	332.00	768.00	187.00	0.00	581.00
JUN	530.00	293.00	237.00	58.40	0.00	179.00
JUL	257.00	138.00	119.00	0.00	0.00	119.00
AUG	185.00	90.20	94.80	0.00	0.00	94.80
SEP	127.00	63.60	63.40	0.00	0.00	63.40
OCT	85.60	23.30	62.30	1.55	0.00	60.80
NOV	93.10	15.00	78.10	0.00	0.00	78.10
DEC	111.00	16.80	94.20	13.00	0.00	81.20
ANN	429,000	71,500	358,000	35,900	0	322,000

Summary of Authorized and Proposed Use from UNIO 50684

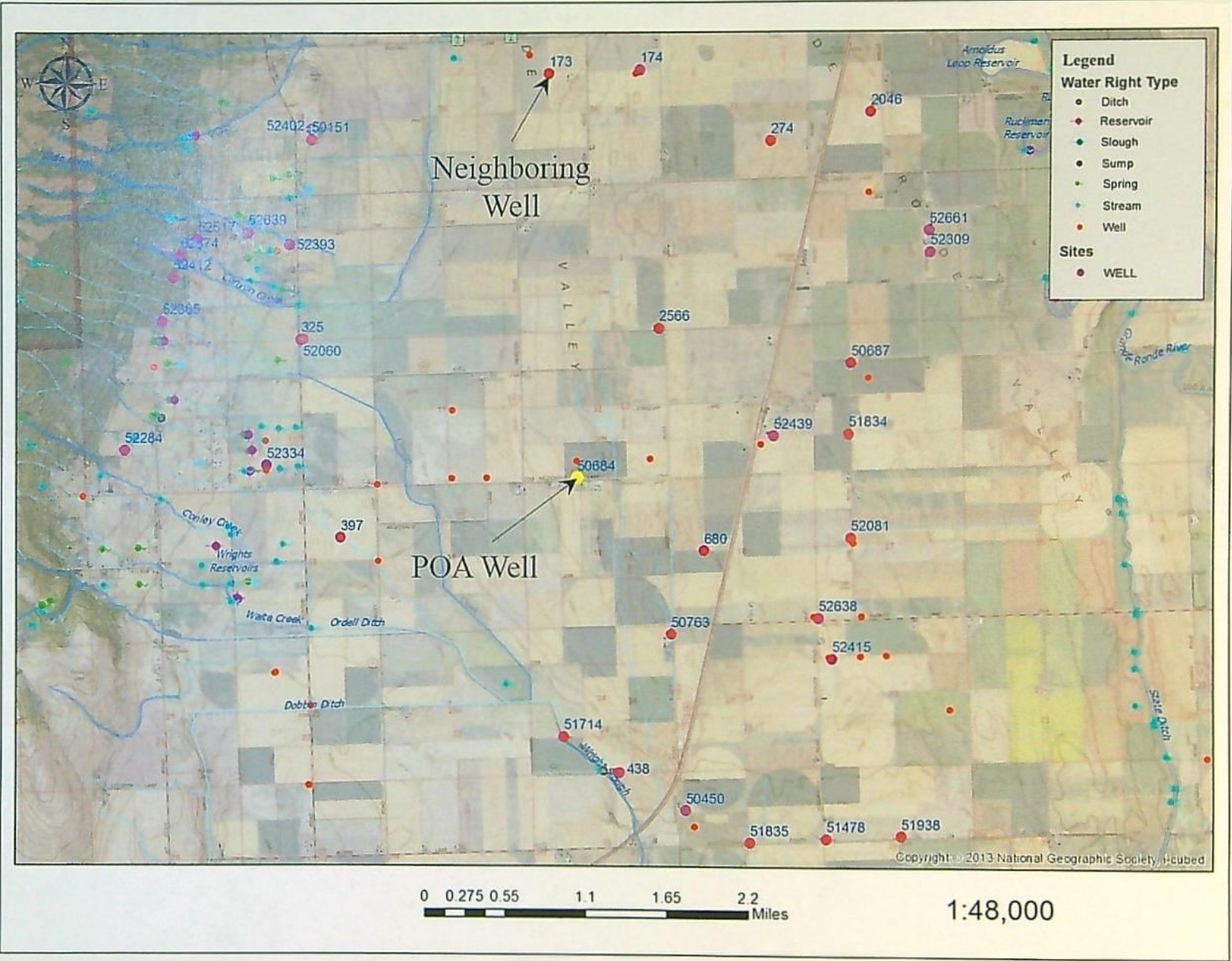
Application	Permit	Certificate	Priority Date	Rate (CFS)	Status
G-13878	G-12738		11/17/1994	2.00	Authorized
G-15464	G-15160		4/2/2001	3.79	Authorized
G-15919	G-15504	89503	1/31/2003	0.91	Authorized
G-18894			12/16/2019	5.18	Proposed
G-18895			12/16/2019	3.85	Proposed
				15.73	

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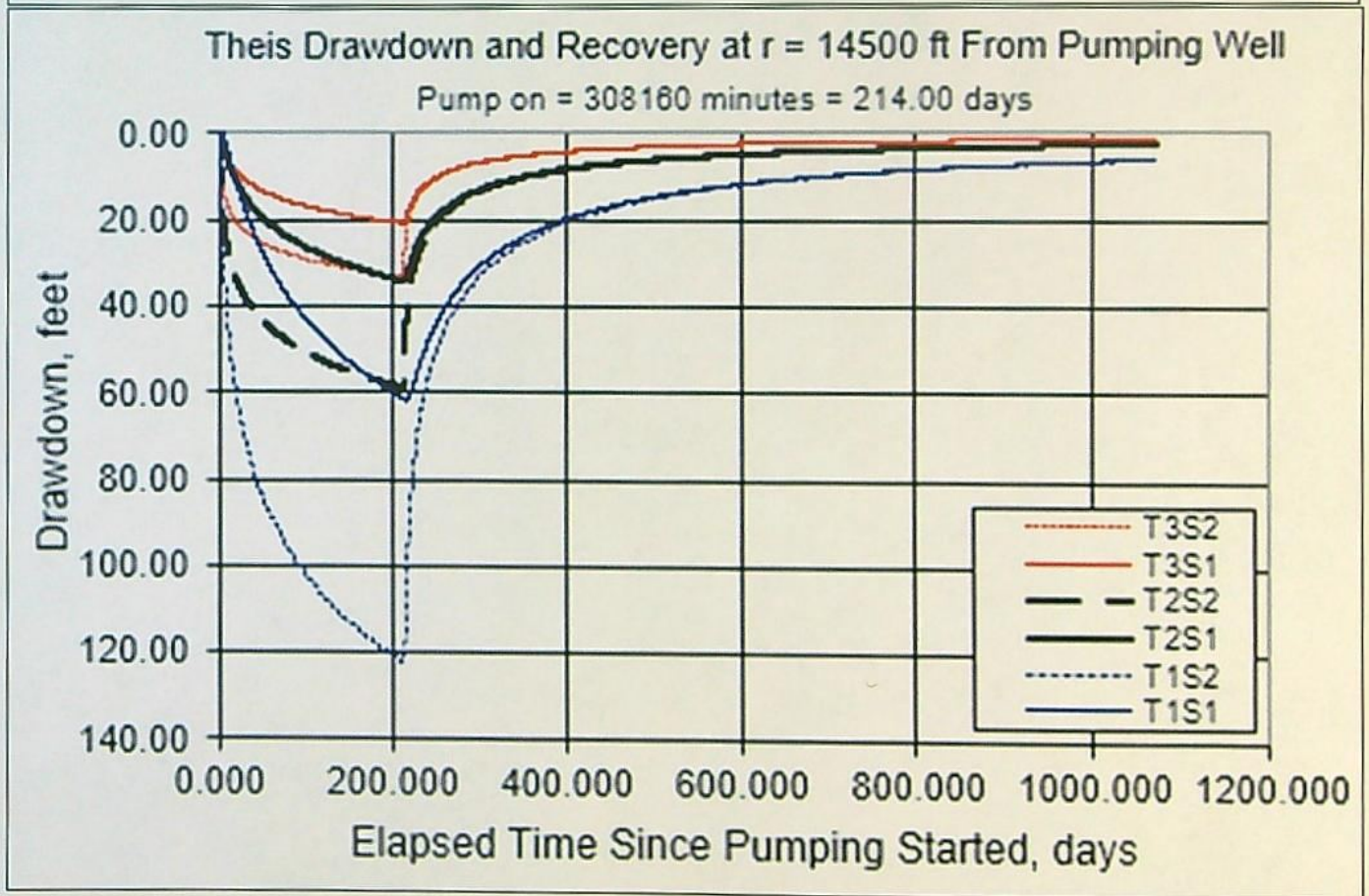
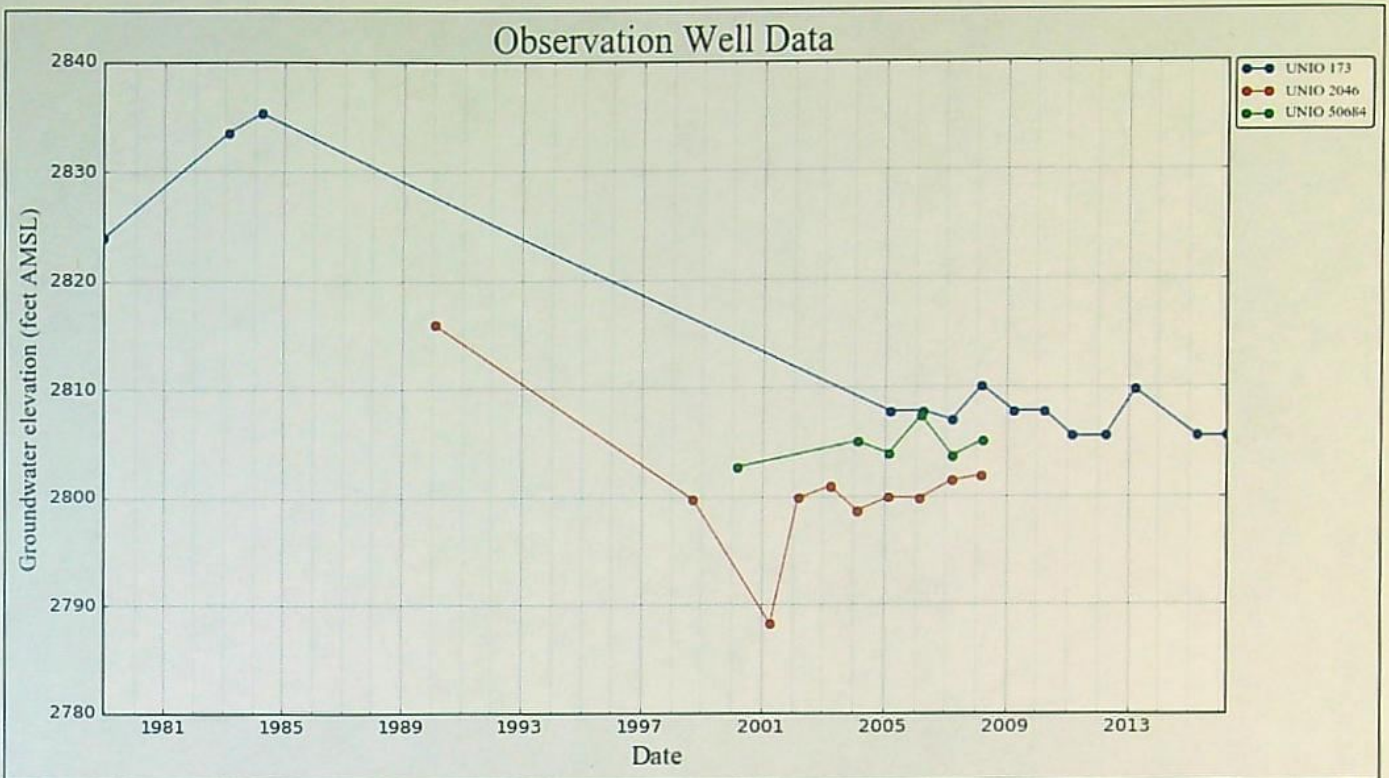


Water-Level Trends in Nearby Wells

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Salmon, OR



Expected drawdown (using T2 curves) at UNIO 173 is between roughly 34 and 59 feet after pumping UNIO 50684 for 214 days at a rate of 15.73 cfs, the combined rate of current authorizations and the proposed rate on this application and G-18895.

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Exhibit F
Page 8 of 8

APR 13 2000

4710
50684

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

WATER RESOURCES DEPT.
SALEM, OREGON

WELL I.D. #1 40696
START CARD # 114141

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

(1) OWNER: Well Number _____
Name GREG BIRGAMAN
Address 64088 MCDONALD LANE
City LAGRANDE State OR Zip 977850

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

(3) DRILL METHOD:
 Rotary Air Rotary Mud Cable Auger
 Other AIR REVERSE

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

(5) BORE HOLE CONSTRUCTION:
Special Construction approval Yes No Depth of Completed Well 3638'
Explosives used Yes No Type _____ Amount _____

HOLE			SEAL			
Diameter	From	To	Material	From	To	Sacks or pounds
2.3"	0	430	concrete	0	197	225 SK
1.9"	430	1872	concrete	1772	1872	130 SK

How was seal placed: Method A B C D E
 Other _____
Backfill placed from _____ ft. to _____ ft. Material 5440's
Gravel placed from 197 ft. to 1772 ft. Size of gravel 3/8

Casing	Diameter	From	To	Gauge	Steel			
					Plastic	Welded	Threaded	Other
18"	42	8	325	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
16"	8	430	325	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
14"	430	1872	325	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Liner	Diameter	From	To	Steel			
				Plastic	Welded	Threaded	Other
10.750	172	2422	250	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8.3/8	2417	3138	250	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(7) PERFORATIONS/SCREENS:
 Perforations Method Factory
 Screens Type _____ Material STEEL

From	To	Slot size	Number	Diameter	Tube size	Casing	Liner
1770	1952	230	7200	10.750	2.50	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2352	2422	250	6400	10.750	2.50	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2417	2457	3/16	640	8.5/8	2.50	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2587	2687	3/16	1600	8.5/8	2.50	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2697	2767	3/16	1120	8.5/8	2.50	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

(8) WELL TESTS: Minimum testing time is 1 hour
 Pump Bailor Air PUMP Flowing Artesian
Yield gal/min _____ Drawdown _____ Drill stem at _____ Time _____
1700 36" 10.250-180' 7 hrs.

Temperature of water 10.1 Depth Artesian Flow Found 1916
Was a water analysis done? NO Yes By whom _____
Did any strata contain water not suitable for intended use? NO Too little
 Salty Muddy Odor Colored Other _____
Depth of strata: ARTESIAN 12 POUNDS

(9) LOCATION OF WELL, by legal description:
County UNION Latitude _____ Longitude _____
Township 25 S Range 38E E or W-M _____
Section 18 SE 1/4 SW 1/4
Tax Lot 2701 Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) 64088 MCDONALD LANE

(10) STATIC WATER LEVEL:
Flowing _____ ft. below land surface. Date 7-30-98
Artesian pressure 12 lb. per square inch. Date 3-6-2000

(11) WATER BEARING ZONES:
Depth at which water was first found 153

From	To	Estimated Flow Rate	SWL
154	171	100	22
325	334		
436	439		
542	544		
768	774		

(12) WELL LOG:
Ground Elevation _____

Material	From	To	SWL
TOPSOIL	0	1	
loamy clay TAN	1	108	22
clay green SOFT	108	112	
clay gray SOFT	112	137	
clay green & sand	137	141	
clay gray	141	142	
clay gray & sand coarse V4	142	147	
clay gray & sand fine cement	147	153	
sandstone & sand coarse V4	153	154	
gravel V4 - 1" + sand	154	171	water
clay gray SOFT	171	182	
clay brown & gray	182	188	
sand & sandstone fine & clay	188	202	
sandstone block	202	205	
clay gray & green SOFT sand	205	209	
claystone gray	209	214	
clay brown & sand coarse	214	219	
clay TAN - SOFT	219	223	
clay & sand - green	223	237	
clay TAN - SOFT	237	241	

Date started 6-29-1998 Completed 3-6-2000
(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.

Signed _____ WWC Number _____ Date _____

(bonded) Water Well Constructor Certification:

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

Signed Walter Lowe WWC Number 1399 Date 3-20-2000

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

WATER RESOURCES DEPT.
SALEM, OREGON

WELL I.D. # 40696
START CARD # 114141

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

(1) OWNER: Well Number _____
Name _____
Address _____
City _____ State _____ Zip _____

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

HOLE		SEAL			
Diameter	From	Material	From	To	Sacks or pounds
12 1/4	18 7/8	2472			
9 7/8	24 7/8	3138			

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:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(7) PERFORATIONS/SCREENS:

Perforations Method _____
 Screens Type 33B Material STEEL

From	To	Slot size	Number	Diameter	Tri/p/pe size	Casing	Liner
48 1/2	73 1/8	5/16	5120	2 3/8	230	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

(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 by legal description:
County _____ Latitude _____ Longitude _____
Township _____ N or S Range _____ E or W. WM. _____
Section _____ 1/4 _____ 1/4 _____
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
797	800		
862	867		
1001	1003		
1056	1058		
1062	1067		

(12) WELL LOG:
Ground Elevation _____

Material	From	To	SWL
clay green + gray dry	241	254	
clay gray SOFT	254	265	
clay green SOFT	265	320	
clay gray + green same dry	320	325	
sandstone + clay - green	325	334	water
clay green + gray - HARD	334	406	
gravel + sand + clay gray	406	410	
clay gray	410	436	
gravel sand + sand coarse	436	439	water
clay green SOFT	439	463	
claystone + clay green HARD	463	481	
clay gray SOFT	481	487	
clay + sand green SOFT	487	528	
clay Brown SOFT	528	542	
sand green FINE	542	544	water
clay graygreen SOFT	544	576	
clay green sandy SOFT	576	615	
Rock	615	616	
clay gray + green SOFT	616	712	
clay Brown + sandy SOFT	712	725	

Date started _____ Completed _____
(unbonded) Water Well Constructor Certification:

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

Signed _____ WWC Number _____
Date _____

(bonded) Water Well Constructor Certification:

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

Signed Walter Lowe WWC Number 1399
Date _____

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

WATER RESOURCES DEPT.
SALEM, OREGON

WELL I.D. # 40696
START CARD # 114141

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

(1) OWNER: Well Number _____
Name _____
Address _____
City _____ State _____ Zip _____

(2) TYPE OF WORK
 New Well Deepening Alteration (repair/retrofit) 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 _____ ft.
Explosives used Yes No Type _____ Amount _____

HOLE SEAL

Diameter	From	To	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:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Liner:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(7) PERFORATIONS/SCREENS:

From	To	Slot size	Number	Diameter	Telephone size	Casing	Liner
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>

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

Yield gal/min	Drawdown	Drill stem at	Flowing Artesian	Time
			<input type="checkbox"/>	1 hr.
			<input type="checkbox"/>	

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 _____ 1/4 _____ 1/4 _____
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
1091	1093		
1222	1226		
1477	1479		
1540	1542		
1620	1623		

(12) WELL LOG:
Ground Elevation _____

Material	From	To	SWL
clay Brown in Red SOFT	725	729	
clay TAN SOFT + DRY	729	731	
clay Tan + gravel 1/8-1"	731	732	
clay green SOFT	732	739	
gravel + clay green	739	740	
clay Brown SOFT	740	768	
sand + gravel + clay green	768	774	water
clay green SOFT	774	797	
gravel 1/8-1"	797	800	water
clay Brown SOFT	800	827	
clay TAN SOFT	827	832	
clay green + green SOFT	832	842	
clay green Hard + Dry	842	862	
sand coarse + gravel 1/8-1"	862	867	water
clay green + gray SOFT	867	898	
clay Tan + shale Hard	898	900	
clay gray + sandstone	900	918	
spindle clay - green	918	923	
clay gray + Brown Hard - Dry	923	969	
sand + clay green + gravel small	969	971	

Date started _____ Completed _____

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

Signed _____ WWC Number _____
Date _____

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

Signed Waldo Lorne WWC Number _____
Date _____

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STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.705)

APR 13 2000

WELL I.D. # L 40696
START CARD # 114141

Instructions for completing this report are on the last page of this report. WATER RESOURCES DEPT. SALEM, OREGON

(1) OWNER: Well Number _____
Name _____
Address _____
City _____ State _____ Zip _____

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

HOLE		SEAL		Sacks or pounds	
Diameter	From To	Material	From To		

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

(7) PERFORATIONS/SCREENS:

From	To	Shot size	Number	Diameter	Material	Tele/pipe size	Casing	Liner
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>

(8) WELL TESTS: Minimum testing time is 1 hour
 Pump Bailor 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 _____ 1/4 _____ 1/4 _____
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
1915	1918	Flowing 350 gpm	J
2412	2417	25 gpm	0.5
2722	2730		
2839	2845	350 gpm	0.5

(12) WELL LOG:
Ground Elevation _____

Material	From	To	SWL
clay green SOFT	971	973	
gravel + sand + clay - green	973	974	
clay green	974	983	
sand + clay green	983	985	
clay green SOFT	985	1001	
sand course	1001	1003	Water
clay green SOFT	1003	1004	
sand course	1004	1008	
clay green	1008	1009	
clay green + gravel 3/8-1/2	1022	1024	
clay green SOFT	1024	1032	
sand course	1032	1034	
clay green SOFT	1034	1048	
clay + sand Fine + green	1048	1056	
gravel 1/8-3/4	1056	1058	Water
clay green SOFT + wood	1058	1069	
gravel 1/8-1/2	1069	1067	Water
clay green	1067	1079	
sand course	1079	1081	
clay green - green	1081	1091	

Date started _____ Completed _____

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

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

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

WATER RESOURCES DEPT.

WELL I.D. # 40696
START CARD # 114141

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

(1) OWNER: Well Number _____
Name _____
Address _____
City _____ State _____ Zip _____

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

HOLE SEAL

Diameter	From	To	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:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Liner:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(7) PERFORATIONS/SCREENS:

Perforations Method _____
 Screens Type _____ Material _____

From	To	Slot size	Number	Diameter	Tube/pipe size	Casing	Liner
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>

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

Pump Bailer Air Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
			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 _____ 1/4 _____ 1/4 _____
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

(12) WELL LOG:
Ground Elevation _____

Material	From	To	SWL
clay green SOFT	1455	1461	
clay green + claystone Hard	1461	1463	
clay green + gray SOFT	1463	1476	
clay gray green + sand coarse	1476	1477	
sand coarse + gravel 3/8	1477	1479	Water
clay green SOFT	1479	1496	
clay green soft + claystone	1496		
Dark + sand coarse		1498	
clay gray SOFT	1498	1516	
clay green SOFT + sand coarse	1516	1518	
clay green SOFT	1518	1540	
sand coarse	1540	1549	Water
clay green SOFT	1549	1547	
clay tan SOFT	1547	1563	
clay green SOFT + sand coarse	1563	1567	
clay green SOFT	1567	1579	
clay green + shale gray Dark	1579	1582	
clay green SOFT sand coarse	1582	1591	
sand coarse green	1591	1594	
clay green SOFT	1594	1609	

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

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

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

WATER RESOURCES DEPT.
SALEM, OREGON

WELL I.D. # L 40696
START CARD # 114171

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

(1) OWNER: Well Number _____
Name _____
Address _____
City _____ State _____ Zip _____

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

HOLE			SEAL			Sacks or pounds
Diameter	From	To	Material	From	To	

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:

Casing/Liner	Diameter	From	To	Gauge	Material			
					Steel	Plastic	Welded	Threaded
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(7) PERFORATIONS/SCREENS:

From	To	Slat size	Type	Number	Diameter	Material		Casing	Liner
						Tube/pipe size	_____		
								<input type="checkbox"/>	<input type="checkbox"/>
								<input type="checkbox"/>	<input type="checkbox"/>
								<input type="checkbox"/>	<input type="checkbox"/>
								<input type="checkbox"/>	<input type="checkbox"/>

(8) WELL TESTS: Minimum testing time is 1 hour
 Pump Bailor Air Flowing Artesian
Yield gal/min _____ Drawdown _____ Drill stem at _____ Time _____ I 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 _____ 1/4 _____ 1/4 _____
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

(12) WELL LOG:
Ground Elevation _____

Material	From	To	SWL
clay green + sand course	1609	1620	
sand course + gravel 1/2-3/8	1620	1625	water
clay green SOFT	1623	1627	
sand course green + clay green	1627	1629	
sand course + gravel 1/2-3/8	1629	1632	
clay + sand green	1632	1636	
sand course green	1636	1638	
clay + shale - green Dark	1638	1647	
clay gray + Black SOFT	1647	1649	
clay green SOFT	1649	1653	
clay gray SOFT	1653	1657	
clay green	1657	1660	
clay + shale - green + gray	1660	1661	
clay green SOFT	1661	1681	
clay green + shale green + Red	1681	1709	
shale green Dark + gravel 3/4	1709	1713	
clay green SOFT + gravel 3/4	1713	1716	
clay green SOFT	1716	1738	
clay green Dark	1738	1740	
sand course	1740	1743	

Date started _____ Completed _____
(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
Signed _____ WWC Number _____ Date _____
(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
Signed Walter Lowe WWC Number _____ Date _____

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

WATER RESOURCES DEPT.
SALEM, OREGON

WELL I.D. # 40696
START CARD # 114141

Instructions for completing this report are on the last page.

(1) OWNER: Well Number _____

Name _____
Address _____
City _____ State _____ Zip _____

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

HOLE			SEAL			Sacks or pounds
Diameter	From	To	Material	From	To	

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	Material			
				Steel	Plastic	Welded	Threaded
Casing:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Liner:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

From	To	Slot size	Number	Diameter	Material		Casing	Liner
					Tube/pipe size			
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>

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

Yield gal/min	Drawdown	Drill stem at	Flowing Artesian	Time
			<input type="checkbox"/>	1 hr.
			<input type="checkbox"/>	

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 _____ 1/4 _____ 1/4
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

(12) WELL LOG:
Ground Elevation _____

Material	From	To	SWL
clay TAN SOFT	2428	2451	
clay green + gray + DRY + HARD	2451	2454	
clay green + gray + Basalt Block Vsc	2454	2456	
clay TAN SOFT	2456	2457	
shale green + Basalt Block Vsc	2457	2461	
clay tan Brown SOFT	2461	2464	
Basalt Block Vsc, shale green	2464	2472	
Basalt Block Vsc, clay green	2472	2509	
Basalt Block clay tan shale green	2509	2511	
cinder Red + clay Brown + shale green	2511	2516	
Basalt Block clay gray green	2516	2525	
Basalt Brown SOFT	2525	2527	
cinder Red shale green gray	2527	2529	
Basalt Brown + shale " "	2529	2531	
Basalt Block + shale green gray + quality	2531	2584	
Basalt Brown + clay green SOFT	2584	2587	
Basalt Block + clay green HARD	2587	2590	
cinder Brown + Red + shale green	2590	2593	

Date started _____ Completed _____

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

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

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

WATER RESOURCES DEPT.
SALEM, OREGON

WELL I.D. # 40696
START CARD # 114141

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

(1) OWNER: Well Number _____
Name _____
Address _____
City _____ State _____ Zip _____

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

HOLE SEAL
Diameter From To Material From To Sacks or pounds

Diameter	From	To	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:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Liner:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

From	To	Slot size	Number	Diameter	Material	Tele/pipe size	Casing	Liner
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>

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

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 _____ 1/4 _____ 1/4 _____
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

(12) WELL LOG:
Ground Elevation _____

Material	From	To	SWL
Basalt Brown shale green	2593	2596	
Basalt Brown shale green quarry	2596		
White & cinder Red clay red		2597	
Basalt Brown SOFT	2597	2600	
Basalt Black shale green-quartz	2600	2609	
Basalt Brown " " " "	2603	2605	
Basalt Black shale green	2605	2612	
Basalt gray's red shale green	2612	2629	
Basalt gray Brown quartz white	2629	2632	
Basalt Red shale green	2632	2637	
Basalt Black quartz w/ shale	2637	2645	
Basalt gray shale green + quartz	2645	2652	
Basalt Brown shale green	2652	2657	
Basalt Black var. shale green	2657	2663	
Basalt gray + Black shale green	2663		
clay gray		2667	
shale green Basalt Black	2667	2683	
Basalt Black shale green	2683		
clay gray SOFT		2689	
shale green Basalt Black	2689	2690	

Date started _____ Completed _____
(unbonded) Water Well Constructor Certification:

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

Signed _____ WWC Number _____
Date _____

(bonded) Water Well Constructor Certification:

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

Signed Waldo Jones WWC Number _____
Date _____

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

APR 13 2000

WATER RESOURCES DEPT.

WELL I.D. #1 40696

START CARD # 114141

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

(1) OWNER: Well Number _____
 Name _____
 Address _____
 City _____ State _____ Zip _____

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

HOLE		SEAL				
Diameter	From	To	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:

Casing/Liner	Diameter	From	To	Gauge	Material			
					Steel	Plastic	Welded	Threaded
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

From	To	Slot size	Number	Diameter	Material	Tele/lyte size	Casing/Liner	
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>

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

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 by legal description:
 County _____ Latitude _____ Longitude _____
 Township _____ N or S Range _____ E or W. WM. _____
 Section _____ 1/4 _____ 1/4 _____
 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

(12) WELL LOG:
 Ground Elevation _____

Material	From	To	SWL
Basalt block shale green	2833	2839	
Basalt block	2839	2845	350 GPM
Basalt gray shale green	2845	2863	
Basalt block + quartz	2863	2870	
Basalt gray + shale green	2870	2872	
Basalt block + shale green	2872	2879	
Basalt gray shale green	2879	2881	
Basalt block " "	2881	2914	
Basalt block + cinder red	2914	2922	
Basalt gray v. + shale green	2922	2924	
Basalt block shale green	2924	2939	
Basalt gray + shale green + quartz	2939	2943	
Basalt block " " "	2943	2954	
Basalt gray + shale green	2954	2958	
Basalt block + " "	2958	2962	
Basalt gray to shale green	2962	2970	
Basalt brown + block shale green	2970	2973	
Basalt gray + shale green	2973	2976	
Basalt block	2976	2982	
Basalt gray + block green	2982	2986	

Date started _____ Completed _____

(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 1399
 Signed Wally Lane Date _____

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Exhibit G

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Salem, OR

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

WATER RESOURCES DEPT.
OREGON

WELL I.D. # L 40696
START CARD # 214191

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

(1) OWNER: Well Number _____
Name _____
Address _____
City _____ State _____ Zip _____

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

HOLE			SEAL			Sacks or pounds
Diameter	From	To	Material	From	To	

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	Material			
				Steel	Plastic	Welded	Threaded
Casing:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Liner:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(7) PERFORATIONS/SCREENS:

Perforations Method _____
 Screens Type _____ Material _____

From	To	Slot size	Number	Diameter	Material	Casing	Liner
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>

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

Pump Bailor Air Flowing
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 by legal description:
County _____ Latitude _____ Longitude _____
Township _____ N or S Range _____ E or W. WM. _____
Section _____ 1/4 _____ 1/4 _____
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

(12) WELL LOG:
Ground Elevation _____

Material	From	To	SWL
Basalt block + frag	2986	2988	
Basalt frag	2988	2991	
Basalt block similar Red shale	2991	2997	
Basalt frag + shale	2997	3009	
Basalt frag shale green	3009	3023	
Basalt block quartz white	3023	3027	
Basalt block conifer red	3027	3035	
Basalt frag quartz shale gray	3035	3041	
Basalt block + shale green	3041	3043	
Basalt frag + shale gray quartz	3043	3054	
Basalt frag shale green	3054	3078	
Basalt block quartz white	3078	3081	
Basalt frag shale green + shale	3081		
conifer red + block		3099	
Basalt block + quartz white		3099	
Basalt frag + shale green + gray	3106	3109	
Basalt block + clay block	3109	3111	
shale green + secondary Red	3111	3116	
Basalt block via shale green	3116	3124	

Date started _____ Completed _____

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

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
Signed Walter Jones WWC Number 1399 Date _____

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Exhibit G

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Salem, OR

CERTIFICATE OF SERVICE

I hereby certify that on August 16, 2024, I caused the original and one copy of the foregoing **Protest of Gregory L. Bingaman and Request for Contested Case Hearing** to be served by HAND DELIVERY to the following address:

Director Ivan Gall
Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301

DATED: August 16, 2024



Kirk B. Maag, OSB 105507
Merissa A. Moeller, OSB No. 153926
Hayley K. Siltanen, OSB No. 164825

Of Attorneys for Gregory L. Bingaman

Received by OWRD

AUG 16 2024

Salem, OR

Mailing List for PFO Copies

Application G-18894

PFO Date July 2, 2024

Original mailed via CERTIFIED MAIL to applicant:

GREGORY L. BINGAMAN
64088 MCDONALD LANE
LA GRANDE OR 97850

Copies Mailed	
By:	<u>TM</u> (SUPPORT STAFF)
On:	<u>7-2-2024</u> (DATE)

Sent via auto email:

1. Agent – gtblackman@yahoo.com
2. WRD – Watermaster #6, Shad L. Hattan
3. WRD – Jason Spriet, ER
4. WRD – SW Section

Copies sent to:

1. WRD – File # G-18894

Application Specialist: Amanda Mather

**Oregon Water Resources Department
Water Right Services Division**

Water Right Application G-18894 in the
name of GREGORY L. BINGAMAN

)
)
)

PROPOSED FINAL ORDER
TO DENY

Summary: The Department proposes to issue an order denying Application G-18894 because groundwater for the proposed use is not available within the capacity of the resource.

Although it is unlikely that a permit will be issued, if the Department's findings change, prior to the issuance of a permit, the Department must receive the following:

- Permit recording fees in the amount of \$610.00. A check should be made out to the Oregon Water Resources Department or OWRD.

Please include the application number on any documents submitted.

Authority

The application is being processed in accordance with Oregon Revised Statute (ORS) 537.615 through 537.628, and 390.826, and Oregon Administrative Rule (OAR) Chapter 690, Divisions 5, 8, 9, 33, 300, 310, 400, 410 and the Grande Ronde Basin Program (OAR 690-508). These statutes and rules can be viewed on the following website: www.oregon.gov/OWRD/programs/policylawandrules

The Department's main website can be found at: www.oregon.gov/OWRD

The Department shall presume that a proposed groundwater use will ensure the preservation of the public welfare, safety and health as described in ORS 537.525 if:

- a) The proposed use is allowed in the applicable basin program established pursuant to ORS 536.300 and ORS 536.340 or given a preference under ORS 536.310(12);
- b) Water is available;
- c) The proposed use will not injure other water rights; and
- d) The proposed use complies with the rules of the Commission.

ORS 537.621(2); OAR 690-310-0130.

All four criteria must be met for a proposed use to be presumed to ensure the preservation of the public welfare, safety and health. This shall be a rebuttable presumption and may be overcome by a preponderance of evidence that either one or more of the criteria for establishing the presumption are not satisfied, or that the proposed use would not ensure the preservation of the public welfare, safety and health as demonstrated in any comments received, information available in the Department's files or received from other interested agencies, and any other available information. ORS 537.621(2); OAR 690-310-0130(2).

If the Department determines that the presumption is not established, the Department shall determine whether the proposed use will impair or adversely affect the public welfare, safety and health under ORS 537.525 and may either:

- a) Propose denial of the application upon a finding that the use will impair or adversely affect the public welfare, safety and health; or
- b) Make specific findings to demonstrate that even though the presumption is not established, the proposed use will not impair or adversely affect the public welfare, safety and health and propose approval of the application with appropriate modifications or conditions.

OAR 690-310-0140(2).

FINDINGS OF FACT

Application History

1. On December 16, 2019, Gregory L. Bingaman filed a complete application for the following water use:

Source: A WELL (UNIO 50684) IN CANYON CREEK BASIN

Use: IRRIGATION OF 310.89 ACRES

Rate: 5.18 CUBIC FEET PER SECOND (CFS), FURTHER LIMITED TO 932.67 ACRE-FEET (AF) ANNUALLY

Period of Use: MARCH 1 THROUGH OCTOBER 1

County: UNION COUNTY

Place of Use: SECTIONS 13 AND 14, TOWNSHIP 2 SOUTH, RANGE 38 EAST, W.M.

2. On August 7, 2020, the Department mailed the applicant notice of its Initial Review, determining that the appropriation of 5.18 CFS of water from a well (UNIO 50684/L40696) in Canyon Creek Basin for irrigation of 310.89 acres is allowable March 1 through October 31 of each year. The applicant did not notify the Department to stop processing the application within 14 days of that date.
3. On August 11, 2020, the Department provided notice of the application in its weekly public notice, requesting comments, and providing information for interested persons about obtaining future notices and a copy of the Proposed Final Order.
4. The Department's continuing evaluation reveals that the following corrections to the Initial Review are necessary to accurately reflect the application for a Permit. The Department has determined an error was made in the Initial Review as to the time of the year that the applicant proposed to use the water. The applicant indicated on the application that the proposed use would be March 1 through October 1 of each year. The determinations of the Initial Review should be corrected to reflect the period of use as March 1 through October 1 of each year.
5. On March 9, 2023, the Department's Groundwater Section issued a re-review of the application, which indicated that groundwater for the proposed use is not available within the capacity of the resource.

Presumption Criterion (a) - Consistency with Basin Program

6. Irrigation is allowed under the Grande Ronde Basin Program (OAR 690-508-0020(1)(a)). ORS 537.621(3)(b); OAR 690-310-0150(2)(b).
7. The proposed groundwater use is not within a designated critical groundwater area. ORS 537.621(3)(b); OAR 690-310-0150(2)(b).

Presumption Criterion (b) - Water Availability

8. An assessment of groundwater availability has been completed by the Department. A copy of this assessment is in the file and can be viewed on the Department's website. Groundwater for the proposed use is not over-appropriated; however, groundwater for the proposed use is not available within the capacity of the resource. Therefore, groundwater is **not** available for the proposed use. ORS 537.621(3)(c); OAR 690-310-0150(2)(c); OAR 690-300-0010(57).
9. The Department has determined that the proposed groundwater use will not have the potential for substantial interference (PSI) with surface water. ORS 537.621(3)(c); OAR 690-009-0040.

Presumption Criterion (c) - Injury Determination

10. If properly conditioned (and if authorized), the proposed use of groundwater will not injure other water rights. ORS 537.621(3)(d); OAR 690-310-0150(2)(e).

Presumption Criterion (d) - Whether the Use Complies with Rules of the Commission

11. Documentation has been submitted from the relevant land-use planning jurisdiction that indicates the proposed use is allowed outright. ORS 537.621(3)(b); OAR 690-310-0150(2)(b).
12. The proposed use is located above the Willowa-Grande Ronde State Scenic Waterway, as designated under ORS 390.826. The Department has determined, based upon OAR 690-310-0260, that there is not a preponderance of evidence that the proposed use of groundwater will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway in quantities necessary for recreation, fish and wildlife. OAR 690-310-0260(9)(a).

Presumption that a Proposed Use will Ensure the Preservation of the Public Welfare, Safety and Health under ORS 537.525

13. Because water is not available, one of the criteria necessary to establish the presumption is not met and the presumption that the proposed groundwater use will ensure the preservation of the public, welfare, safety and health under ORS 537.525 is **not** established. OAR 690-310-0140(1); OAR 690-310-0150(2)(h).
14. Because the presumption is not established, the Department evaluated whether the proposed use will impair or adversely affect the public welfare, safety and health under ORS 537.525. OAR 690-310-0140(2).
15. In accordance with ORS 537.525(3), in order to insure the preservation of the public welfare, safety and health it is necessary that beneficial use without waste, within the capacity of available sources, be the basis, measure and extent of the right to appropriate ground water. Public welfare, safety and health under ORS 537.525(3) would be impaired or detrimentally affected for the following reasons. The Department finds that groundwater for the proposed use is not available

within the capacity of the resource. The substantial increase in pumping proposed under Applications G-18894 (this application) and G-18895 raises concerns about the long-term sustainability of the productive aquifer utilized by UNIO 50684. As such, the proposed use is determined to be not within the capacity of the resource. Therefore, the proposed use will impair or adversely affect the public welfare, safety, and health under ORS 537.525. ORS 537.525; ORS 537.621(2); OAR 690-310-0140(2).

Further Evaluation of the Proposed Use

16. No written comments were received by the close of the comment period. OAR 690-310-0150(1).

Other Criteria and Requirements

17. The amount of water requested, 5.18 CFS, is necessary for the proposed use. ORS 537.621(3)(c); OAR 690-310-0150(2)(d).

18. The applicant proposed measures to prevent waste, measure the amount of water appropriated, prevent damage to aquatic life and riparian habitat, prevent discharge of contaminated water to a surface stream and to prevent damage to public uses of any affected surface waters. These measures are included in Sections 6 and 8 of the application. OAR 690-310-0150(2)(j).

19. The proposed use complies with rules of the Water Resources Commission not otherwise described above.

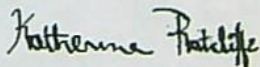
CONCLUSION OF LAW

1. The proposed use will not ensure the preservation of the public welfare, safety and health as described in ORS 537.525.

PROPOSED ORDER

The Department recommends issuing an order denying Application G-18894.

DATED July 2, 2024



Katherine Ratcliffe
Water Rights Section Manager, for
Ivan Gall, Director
Oregon Water Resources Department

Protests

Under the provisions of ORS 537.153(7) (for surface water) or ORS 537.621(8) (for groundwater), you can protest this Proposed Final Order. If you wish to submit a protest by U.S. mail, please consider mailing early to ensure the Department receives the protest by the deadline specified. Protests must be received by the Water Resources Department no later than **August 16, 2024**.

As provided in ORS 537.621(7), ORS 536.050(1)(j), and OAR 690-002-0025 — 0035, protests must be in writing and include the following:

- Your name, address, and telephone number;
- A description of your interest in the Proposed Final Order, and, if you claim to represent the public interest, a precise statement of the public interest represented;
- A detailed description of how the action proposed in the Proposed Final Order would impair or be detrimental to your interest;
- A detailed description of how the Proposed Final Order is in error or deficient, and how to correct the alleged error or deficiency;
- Any citation of legal authority to support your protest, if known;
- Any information or evidence that the proposed use or the proposed use as modified would preserve the public welfare, safety and health as provided in ORS 537.625(3).
- If you are the applicant, a protest fee of \$480 required by ORS 536.050; and
- If you are not the applicant, a protest fee of \$950 required by ORS 536.050 and proof of service of the protest upon the applicant.
- If you are the applicant, a statement of whether or not you are requesting a contested case hearing.

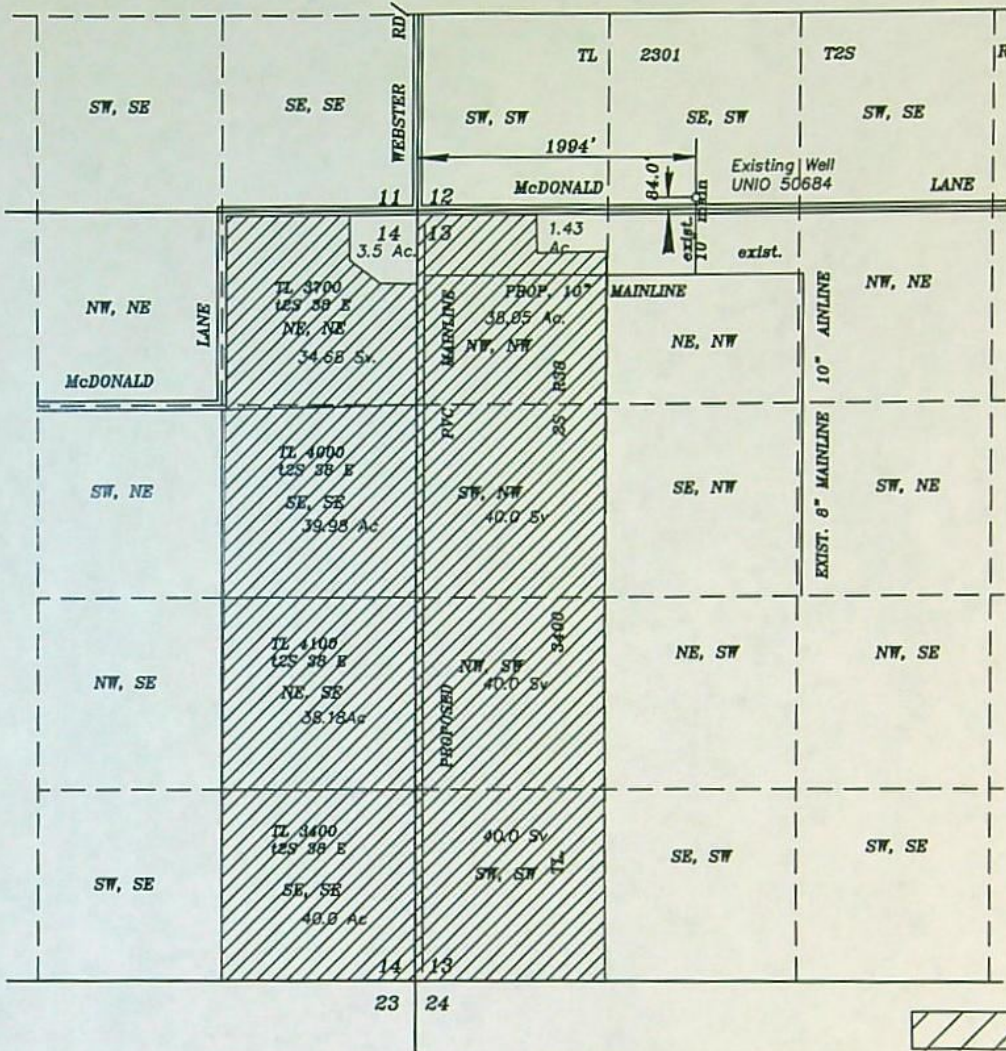
Requests for Standing

Under the provisions of ORS 537.153(7) (for surface water) or ORS 537.621(8) (for groundwater), persons other than the applicant who support a Proposed Final Order can request standing for purposes of participating in any contested case proceeding on the Proposed Final Order or for judicial review of a Final Order.

Requests for standing must be received in the Water Resources Department no later than **August 16, 2024**. Requests for standing must be in writing, and must include the following:

- The requester's name, mailing address and telephone number;
- If the requester is representing a group, association or other organization, the name, address and telephone number of the represented group;
- A statement that the requester supports the Proposed Final Order as issued;
- A detailed statement of how the requester would be harmed if the Proposed Final Order is modified; and
- A standing fee of \$270. If a hearing is scheduled, an additional fee of \$680 must be submitted along with a petition for party status.

T 2 S R 38 E

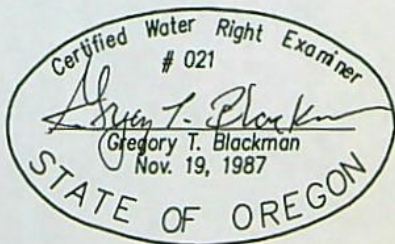


SCALE: 1"=1320'

RECEIVED
DEC 16 2019
OWRD

Lands requesting primary water from well UNIO 50684.

Proposed point of diversion is authorized under Certificate No. 89503 shown. POD located at a point 84" North and 1994" East from the SW Corner of Section 12, T2S R 38 E, WM. This point of diversion is existing and is a working Basalt Well, well log UNIO 50684 with a priority date of January 31, 2003.

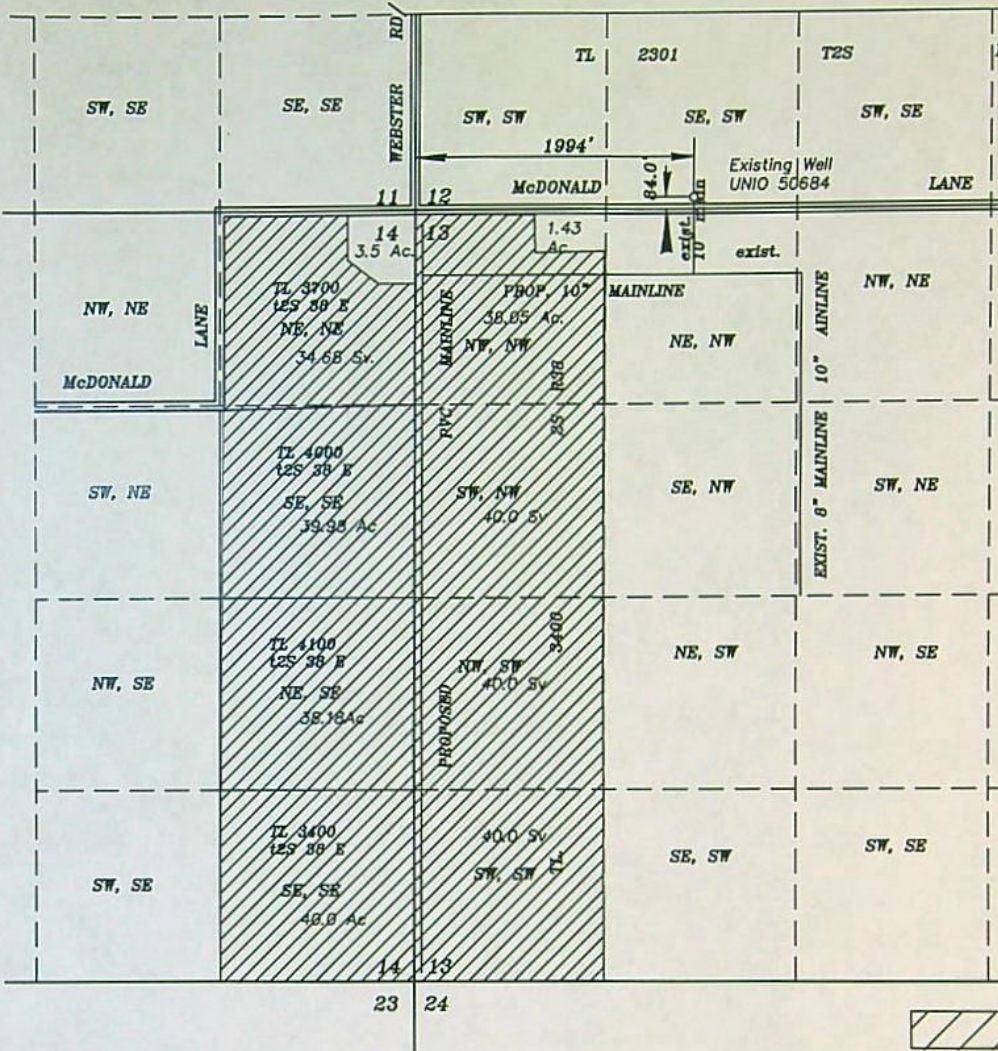


NOVEMBER 21, 2019
**APPLICATION MAP FOR
 IRRIGATION OF LANDS
 FROM AN EXISTING
 BASALT WELL
 FOR
 GREG BINGAMAN**
 BY
**GREG BLACKMAN WATER RIGHTS
 126 RIDGE DRIVE
 LA GRANDE, OREGON 97850**
 APPLICATION NO. _____
 PERMIT NO. _____

NOTE: The preparation of this map was for the purpose of identifying the location of the proposed water right and has no intent to provide dimensions or location of property ownership lines. Location information shown hereon was furnished by the applicant.

G-10094

T 2 S R 38 E



SCALE: 1"=1320'

RECEIVED

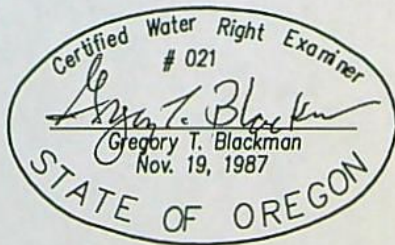
DEC 16 2019

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NOTE: The preparation of this map was for the purpose of identifying the location of the proposed water right and has no intent to provide dimensions or location of property ownership lines. Location information shown hereon was furnished by the applicant.

G-10094

Mailing List for IR Copies

Application G-18894

IR Date: August 7, 2020

Original and map mailed to applicant:

GREGORY L. BINGAMAN
64088 MCDONALD LANE
LA GRANDE OR 97850

Copies Mailed

By: TM
(SUPPORT STAFF)

On: 8/7/2020
(DATE)

Sent via auto email:

1. Agent – Greg Blackman: gtblackman@yahoo.com
2. WRD – Watermaster #6, Janna Stevens
3. WRD - Jason Spriet ER
4. WRD – SW Section

Copies sent to:

1. WRD - File G-18894
2. A.L.O. - Speckhart Farms Inc; Joanne Parsons; 63970 Mc Donald Lane; La Grande, Oregon 97850
3. A.L.O. - TSJ Koza Inc; 69264 Squire Loop; Cove, Oregon 97824

Application Specialist: Lisa Graham

APPLICATION PROCESS DESCRIPTION FOR GROUNDWATER, SURFACE WATER AND REGULAR RESERVOIR APPLICATIONS

In order to use the waters of Oregon, an application must be submitted and a permit obtained from the Water Resources Department. The water must be used for beneficial purpose without waste. For more information about water right topics, weekly public notice, forms and fees please visit our web site at www.oregon.gov/OWRD

1. Pre-application considerations

- Follow instructions in the application packet.
- If you have questions about completing an application or would like to arrange a pre-application conference contact the Department's Water Rights Customer Service Group at (503) 986-0900.

2. Application filing

- Application with fee is received by the Department.
- Department determines completeness of application.
- If use is not allowed by statute (ORS 538), the application and fees are returned to the applicant.
- An incomplete application and fees are returned to the applicant.
- Only a complete application receives a tentative priority date, is assigned a caseworker, and moves forward for processing.

3. Initial Review (IR)

- Caseworker reviews application by considering basin plans, water availability, statutory restrictions, and all other appropriate factors.
- Caseworker sends IR report to Applicant.
- Contact the Caseworker if you have questions about the IR.
- Four days after date of the IR, it is included in Department's weekly Public Notice.
- Public comments must be submitted within 30 days after the Public Notice.
- **An administrative hold** may be requested in writing by Applicant.

4. Proposed Final Order (PFO)

- Caseworker evaluates application against required criteria and develops draft permit, if appropriate.
- PFO includes instructions for filing of protests.
- Caseworker considers public comments and mails PFO to Applicant.
- The PFO is included in Department's weekly Public Notice.
- Public protests to the PFO must be submitted within 45 days after the Public Notice.

5. Final Order (FO)

- If no protest is filed, Final Order is issued.



Water Right Application Initial Review

August 7, 2020

GREGORY L. BINGAMAN
64088 MCDONALD LANE
LA GRANDE OR 97850

Reference: Application G-18894

This document is to inform you of the preliminary analysis of the water-use permit application and to describe your options. In determining whether an application may be approved, the Department must consider the factors listed below, all of which must be favorable to the proposed use if it is to be allowed. Based on the information supplied, the Water Resources Department has made the following preliminary determinations:

Preliminary Determinations under Oregon Administrative Rule (OAR) 690-310-0080:

1. Application G-18894 proposes the appropriation of 5.18 cubic feet per second (CFS) of water from a well (UNIO 50684/L40696) in Canyon Creek Basin for irrigation of 310.89 acres March 1 through October 31 of each year.
2. The proposed use is not prohibited by law or rule except where otherwise noted below.
3. Irrigation is allowed under the Grande Ronde Basin Program. (OAR 690-508-0020(1)(a))
4. Groundwater will likely be available within the capacity of the resource, and if properly conditioned (and if authorized), the proposed use of groundwater will avoid injury to existing groundwater rights.
5. The Department has determined, based upon OAR 690-009, that the proposed groundwater use will not have the potential for substantial interference with any surface water source.
6. The proposed use is located above the Grande Ronde Scenic Waterway, as designated under Oregon Revised Statute 390.826. The Department has determined, based upon OAR 690-310-0260, that there is not a preponderance of evidence that the proposed use of groundwater will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway in quantities necessary for recreation, fish and wildlife.
7. The point of appropriation is not located within a critical, limited, or withdrawn groundwater area.
8. Documentation has been submitted from the relevant land-use planning jurisdiction that indicates the proposed use is allowed outright.

9. The application proposed a rate that is higher than the general basin-wide standard and submitted information that demonstrates the need for the higher amount. Oregon Revised Statute 537.621(4) allows the Department to authorize the requested amount, except upon specific findings related to the application to support a determination that a lesser amount is needed. The Department has determined there is a need for the higher amount of 1/60th of a CFS per acre.

Summary of Preliminary Determinations

The appropriation of 5.18 CFS of water from a well (UNIO 50684/L40696) in Canyon Creek Basin for irrigation of 310.89 acres is allowable March 1 through October 31 of each year.

Because of the favorable determinations described herein, Application G-18894 can move to the next phase of the water-rights application review process, which includes a public interest review.

At this time, you must decide whether to proceed or to withdraw the application.

- To Proceed - If you choose to proceed with the application you do not have to notify the Department. The application will be placed on the Department's Public Notice to allow others the opportunity to comment. After the comment period the Department will complete a public interest review and issue a Proposed Final Order.
- To Withdraw - You may withdraw the application and receive a refund (minus a \$260 examination fee per application). You must notify the Department **in writing** by **August 21, 2020**. For your convenience you may use the enclosed "STOP PROCESSING" form.

If a permit is issued, it will likely include the following conditions:

1. Construction of the well shall begin within five years of the date of permit issuance. The deadline to begin construction may not be extended. This permit is subject to cancellation proceedings if the construction deadline to begin is missed.
2. If the number, location, source, or construction of any well deviates from that proposed in the permit application or required by permit conditions, this permit may not be valid, unless the Department authorizes the change in writing.
3. **Water Use Measurement, Recording, and Reporting Condition:**
 - A. Before water use may begin under this permit, the permittee shall install a totalizing flow meter at each point of appropriation. The permittee shall maintain the device in good working order.
 - B. The permittee shall allow the watermaster access to the device; provided however, where any device is located within a private structure, the watermaster shall request access upon reasonable notice.
 - C. The permittee shall keep a complete record of the volume of water used each month, and shall submit an annual report which includes the recorded water-use measurements to the Department annually, or more frequently as may be required by the Director. Further, the

Director may require the permittee to report general water-use information, including the place and nature of use of water under the permit.

- D. The Director may provide an opportunity for the permittee to submit alternative measuring and reporting procedures for review and approval.

4. **Static Water Level Condition:**

The Department requires the water user to obtain, from a qualified individual (see below), and report annual static water levels for each well on the permit. The static water level shall be measured in the month of March. Reports shall be submitted to the Department within 30 days of measurement.

The permittee shall report an initial March static water-level measurement once well construction is complete and annual measurements thereafter. Annual measurements are required whether or not the well is used. The first annual measurement will establish a reference level against which future measurements will be compared. However, the Director may establish the reference level based on an analysis of other water-level data. The Director may require the user to obtain and report additional water levels each year if more data are needed to evaluate the aquifer system.

All measurements shall be made by a certified water rights examiner, registered professional geologist, registered professional engineer, licensed well constructor or pump installer licensed by the Construction Contractors Board. Measurements shall be submitted on forms provided by, or specified by, the Department. Measurements shall be made with equipment that is accurate to at least the standards specified in OAR 690-217-0045. The Department requires the individual performing the measurement to:

- A. Associate each measurement with an owner's well name or number and a Department well log ID; and
- B. Report water levels to at least the nearest tenth of a foot as depth-to-water below ground surface; and
- C. Specify the method of measurement; and
- D. Certify the accuracy of all measurements and calculations reported to the Department.

The water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s) if any of the following events occur:

- A. Annual water-level measurements reveal an average water-level decline of three or more feet per year for five consecutive years; or
- B. Annual water-level measurements reveal a water-level decline of 15 or more feet in fewer than five consecutive years; or
- C. Annual water-level measurements reveal a water-level decline of 25 or more feet; or
- D. Hydraulic interference leads to a decline of 25 or more feet in any neighboring well with senior priority.

The period of restricted use shall continue until the water level rises above the decline level which triggered the action or the Department determines, based on the permittee's and/or the Department's data and analysis, that no action is necessary because the aquifer in question can sustain the observed declines without adversely impacting the resource or causing substantial interference with senior water rights. The water user shall not allow excessive decline, as defined in Commission rules, to occur within the aquifer as a result of use under this permit. If more than one well is involved, the water user may submit an alternative measurement and reporting plan for review and approval by the Department.

5. **The Department shall be granted access to the well in order to conduct static water level measurements in addition to yearly static water level measurements in March, as required by the condition above.**

6. **Scenic Water Way Condition:**

Use of water under authority of this permit may be regulated if analysis of data available after the permit is issued discloses that the appropriation will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway in quantities necessary for recreation, fish and wildlife in effect as of the priority date of the right or as those quantities may be subsequently reduced.

7. **Well Identification Tag Condition:**

Prior to using water from any well listed on this permit, the permittee shall ensure that the well has been assigned an OWRD Well Identification Number (Well ID tag), which shall be permanently attached to the well. The Well ID shall be used as a reference in any correspondence regarding the well, including any reports of water use, water level, or pump test data.

The water source identified in the application may be affected by an Agricultural Water Quality Management Area Plan. These plans are developed by the Oregon Department of Agriculture (ODA) with the cooperation of local landowners and other interested stakeholders, and help to ensure that current and new appropriations of water are done in a way that does not adversely harm the environment. You are encouraged to explore ODA's website at <https://www.oregon.gov/ODA> to learn more about the plans and how they may affect the proposed water use.

For Further Information:

Feel free to contact me at Elisabeth.A.Graham@oregon.gov or 503-986-0808 if you have any questions regarding the contents of this letter or the application. Please include the application number in all correspondence. General questions about water rights and water use permits should be directed to our customer service staff at 503-986-0900. When corresponding by mail, please use this address: Lisa Graham, Oregon Water Resources Department, 725 Summer St NE Ste A, Salem OR 97301-1266. Our fax number is 503-986-0901.

Sincerely,

Lisa Graham

Lisa Graham
Water Right Application Specialist
Oregon Water Resources Department

Enclosures: Application Process Description and Stop Processing Request Form

G-18894
WAB: No PSI
Proposed to Approve

APPLICATION FACT SHEET

Application File Number: G-18894

Applicant: GREGORY L. BINGAMAN

County: UNION

Watermaster: JANNA STEVENS, 6, ER

Priority Date: DECEMBER 16, 2019

Source: A WELL (UNIO 50684/L40696) IN CANYON CREEK BASIN

Use: IRRIGATION OF 310.89 ACRES

Quantity: 5.18 CUBIC FEET PER SECOND

Basin Name & Number: GRANDE RONDE, #8

WAB: GRANDE RONDE R > SNAKE R - AB WILLOW CR

Well Location:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
2 S	38 E	WM	12	SE SW	84 FEET NORTH AND 1994 FEET EAST FROM SW CORNER, SECTION 12

Place of Use:

Twp	Rng	Mer	Sec	Q-Q	Acres
2 S	38 E	WM	13	NW NW	38.05
2 S	38 E	WM	13	SW NW	40.00
2 S	38 E	WM	13	NW SW	40.00
2 S	38 E	WM	13	SW SW	40.00
2 S	38 E	WM	14	NE NE	34.68
2 S	38 E	WM	14	SE NE	39.98
2 S	38 E	WM	14	NE SE	38.18
2 S	38 E	WM	14	SE SE	40.00

PUBLIC NOTICE DATE: August 11, 2020

14 DAY STOP PROCESSING DEADLINE DATE: August 21, 2020

30 DAY COMMENT DEADLINE DATE: September 10, 2020

The protest process

If one or more protests are filed, the process consists of:

- settlement discussion;
- contested case hearing;
- proposed Order;
- period of time to file exceptions; or
- Possible hearing by Water Resources Commission.
- Final Order is issued.

Permit holder responsibilities

- Comply with all water use conditions of the permit.
- Advise Department of address change or assignment to new permit holder.
- If need arises, request extension of time or authorize cancellation of permit.
- Submit timely claim of beneficial use (COBU) to the Department.
- Most permits require COBU to be prepared by a Certified Water Right Examiner.
- Permits may be canceled by the permit holder or by the Department for failure to comply with or one or more permit conditions.

STOP PROCESSING REQUEST FORM

FOR GROUNDWATER, SURFACE WATER AND REGULAR RESERVOIR
APPLICATIONS

- Stop processing deadline is within 14 days of Initial Review.

Applicant notification to withdraw Water Right Application **G-18894**.

After reviewing the Initial Review for my application, I request that processing be stopped and fees be refunded (minus a \$260 examination fee). I understand that without a valid permit I may not legally use the water as requested in my application.

Signature _____ Date _____

Signature _____ Date _____

Under ORS 537.150 (5) and 537.620 (5), timely submission of this request authorizes that the water right application process be stopped and all filing fees (except \$260 examination fee) be returned.

- This notice must be received by the Water Resources Department no later than:

August 21, 2020

- Return the notice to:

OWRD, Water Right Services Division
STOP PROCESSING
725 Summer Street, NE - Suite A
Salem, OR 97301-1271

Groundwater Application Review Summary Form

Application # G- 18894

GW Reviewer Phil Marcy Date Review Completed: 2/14/2020

Summary of GW Availability and Injury Review:

Groundwater for the proposed use is either over appropriated, will not likely be available in the amounts requested without injury to prior water rights, OR will not likely be available within the capacity of the groundwater resource per Section B of the attached review form.

Summary of Potential for Substantial Interference Review:

There is the potential for substantial interference per Section C of the attached review form.

Summary of Well Construction Assessment:

The well does not appear to meet current well construction standards per Section D of the attached review form. Route through Well Construction and Compliance Section.
on 2/25/20

This is only a summary. Documentation is attached and should be read thoroughly to understand the basis for determinations and for conditions that may be necessary for a permit (if one is issued).

PUBLIC INTEREST REVIEW FOR GROUNDWATER APPLICATIONS

TO: Water Rights Section Date 02/14/2020
 FROM: Groundwater Section Phillip I. Marcy
 Reviewer's Name
 SUBJECT: Application G- 18894 Supersedes review of _____
 Date of Review(s) _____

PUBLIC INTEREST PRESUMPTION: GROUNDWATER

OAR 690-310-130 (1) The Department shall presume that a proposed groundwater use will ensure the preservation of the public welfare, safety and health as described in ORS 537.525. Department staff review groundwater applications under OAR 690-310-140 to determine whether the presumption is established. OAR 690-310-140 allows the proposed use be modified or conditioned to meet the presumption criteria. **This review is based upon available information and agency policies in place at the time of evaluation.**

A. GENERAL INFORMATION: Applicant's Name: Gregory L. Bingaman County: Union

A1. Applicant(s) seek(s) 5.18 cfs from 1 well(s) in the Grande Ronde Basin,
 _____ subbasin

A2. Proposed use Irrigation (310.89 acres) Seasonality: March 1st - October 1st (214 days)

A3. Well and aquifer data (attach and number logs for existing wells; mark proposed wells as such under logid):

Well	Logid	Applicant's Well #	Proposed Aquifer*	Proposed Rate(cfs)	Location (T/R-S QQ-Q)	Location, metes and bounds, e.g. 2250' N, 1200' E fr NW cor S 36
1	UNIO 50684	1	Basalt	5.18	2S/38E-12 SE-SW	84' N, 1994' E fr SW cor. S 12
2						
3						
4						
5						

* Alluvium, CRB, Bedrock

Well	Well Elev ft msl	First Water ft bls	SWL ft bls	SWL Date	Well Depth (ft)	Seal Interval (ft)	Casing Intervals (ft)	Liner Intervals (ft)	Perforations Or Screens (ft)	Well Yield (gpm)	Draw Down (ft)	Test Type
1	2775	154	-30.03	03/24/2008	3138	0-197; 1772- 1872	0-1772	NA	1772-1952; 2352-2472; 2417-2457; 2587-2687; 2697-2767; 2817-3138	1700	36' in 7 hours	Pump

Use data from application for proposed wells.

A4. **Comments:** The proposed POA well is constructed to produce from Powder River Volcanics and associated volcanoclastic lithologies at depths below 1872' below land surface. This well is an authorized POA on three existing water rights, Certificate 89503, Permit G-12738, and Permit G-15160, for a total authorized rate of 6.7 cfs. The reported yield of the POA well is 1700 gpm (3.79 cfs), far below what is already authorized.

A5. Provisions of the Grande Ronde Basin rules relative to the development, classification and/or management of groundwater hydraulically connected to surface water are, or are not, activated by this application. (Not all basin rules contain such provisions.)

Comments: _____

A6. Well(s) # _____, _____, _____, _____, tap(s) an aquifer limited by an administrative restriction. Name of administrative area: _____

Comments: _____

B. GROUNDWATER AVAILABILITY CONSIDERATIONS, OAR 690-310-130, 400-010, 410-0070

B1. Based upon available data, I have determined that groundwater* for the proposed use:

- a. is over appropriated, is not over appropriated, or cannot be determined to be over appropriated during any period of the proposed use. * This finding is limited to the groundwater portion of the over-appropriation determination as prescribed in OAR 690-310-130;
- b. will not or will likely be available in the amounts requested without injury to prior water rights. * This finding is limited to the groundwater portion of the injury determination as prescribed in OAR 690-310-130;
- c. will not or will likely to be available within the capacity of the groundwater resource; or
- d. will, if properly conditioned, avoid injury to existing groundwater rights or to the groundwater resource:
 - i. The permit should contain condition #(s) 7N: "Large Water Use Reporting";
 - ii. The permit should be conditioned as indicated in item 2 below.
 - iii. The permit should contain special condition(s) as indicated in item 3 below;

- B2. a. Condition to allow groundwater production from no deeper than _____ ft. below land surface;
- b. Condition to allow groundwater production from no shallower than _____ ft. below land surface;
- c. Condition to allow groundwater production only from the _____ groundwater reservoir between approximately _____ ft. and _____ ft. below land surface;
- d. Well reconstruction is necessary to accomplish one or more of the above conditions. The problems that are likely to occur with this use and without reconstructing are cited below. Without reconstruction, I recommend withholding issuance of the permit until evidence of well reconstruction is filed with the Department and approved by the Groundwater Section.

Describe injury –as related to water availability– that is likely to occur without well reconstruction (interference w/ senior water rights, not within the capacity of the resource, etc): _____

B3. **Groundwater availability remarks:** The proposed POA well, UNIO 50684, produces from volcanic flow rocks and associated volcanics of the Powder River Volcanics and likely the upper portions of the Grande Ronde Basalt of the Columbia River Basalt Group. Based on construction and similar head elevations, two nearby wells appear to produce water from the same source aquifer. UNIO 2046 lies about 3 miles NNE of the proposed POA, is authorized for irrigation use under certificate 90496, and belongs to the applicant. UNIO 173 is located 2.75 miles due north of the proposed POA, is authorized under certificate 51170 and permits G-15644 and G-16963, and is not owned by the applicant, and therefore likely represents the most likely target of possible well to well interference.

Calculations of expected drawdown at neighboring UNIO 173 include all currently authorized pumping, in addition to the proposed rate herein, a total of 11.88 cfs. Using a range of transmissivity values derived from nearby pump tests in basalt wells, and a range of storativity values appropriate for confined aquifers, a series of Theis drawdown calculations were performed. Expected impacts at UNIO 173 from pumping UNIO 50684 at 11.88 cfs for a period of 245 days fall between 25 and 50 feet under the most likely scenarios. Static water levels in UNIO 173 are typically between 55 and 85 feet above land surface, meaning that if 50' of drawdown does occur, resulting static water level will likely remain above land surface.

C. GROUNDWATER/SURFACE WATER CONSIDERATIONS, OAR 690-09-040

C1. **690-09-040 (1):** Evaluation of aquifer confinement:

Well	Aquifer or Proposed Aquifer	Confined	Unconfined
1	Powder River Volcanics and CRBG	<input checked="" type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>

Basis for aquifer confinement evaluation: The applicant's well produces from depths below 1872' below land surface, and flows artesian at land surface. It is typical for wells producing from deep-seated volcanic aquifers in this region to have static water levels well above the elevation of their respective water-bearing zones.

C2. **690-09-040 (2) (3):** Evaluation of distance to, and hydraulic connection with, surface water sources. All wells located a horizontal distance less than ¼ mile from a surface water source that produce water from an unconfined aquifer shall be assumed to be hydraulically connected to the surface water source. Include in this table any streams located beyond one mile that are evaluated for PSI.

Well	SW #	Surface Water Name	GW Elev ft msl	SW Elev ft msl	Distance (ft)	Hydraulically Connected?			Potential for Subst. Interfer. Assumed?	
						YES	NO	ASSUMED	YES	NO
1	1	Canyon Creek	2805	2720	5200	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Basis for aquifer hydraulic connection evaluation: Groundwater in the deep-seated volcanic aquifer in the Grande Ronde Valley is likely hydraulically isolated, due to thick successions of volcanic rock and fine-grained sediments that severely limit the ability of groundwater to migrate vertically. In addition, the elevation difference between groundwater in the POA well and surface water within 1 mile are significantly different.

Water Availability Basin the well(s) are located within: GRANDE RONDE R> SNAKE R- AB WILLOW CR

C3a. **690-09-040 (4):** Evaluation of stream impacts for each well that has been determined or assumed to be **hydraulically connected and less than 1 mile** from a surface water source. Limit evaluation to instream rights and minimum stream flows that are pertinent to that surface water source, and not lower SW sources to which the stream under evaluation is tributary. Compare the requested rate against the 1% of 80% natural flow for the pertinent Water Availability Basin (WAB). If Q is not distributed by well, use full rate for each well. Any checked box indicates the well is assumed to have the potential to cause PSI.

Well	SW #	Well < ¼ mile?	Qw > 5 cfs?	Instream Water Right ID	Instream Water Right Q (cfs)	Qw > 1% ISWR?	80% Natural Flow (cfs)	Qw > 1% of 80% Natural Flow?	Interference @ 30 days (%)	Potential for Subst. Interfer. Assumed?
		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>

C3b. **690-09-040 (4):** Evaluation of stream impacts by total appropriation for all wells determined or assumed to be **hydraulically connected and less than 1 mile** from a surface water source. **Complete only if Q is distributed among wells.** Otherwise same evaluation and limitations apply as in C3a above.

SW #	Qw > 5 cfs?	Instream Water Right ID	Instream Water Right Q (cfs)	Qw > 1% ISWR?	80% Natural Flow (cfs)	Qw > 1% of 80% Natural Flow?	Interference @ 30 days (%)	Potential for Subst. Interfer. Assumed?
	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>

Comments: This section does not apply.

C4a. **690-09-040 (5):** Estimated impacts on **hydraulically connected surface water sources greater than one mile** as a percentage of the proposed pumping rate. Limit evaluation to the effects that will occur up to one year after pumping begins. This table encompasses the considerations required by 09-040 (5)(a), (b), (c) and (d), which are not included on this form. Use additional sheets if calculated flows from more than one WAB are required.

Non-Distributed Wells													
Well	SW#	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS													
Interference CFS													
Distributed Wells													
Well	SW#	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS													
Interference CFS													
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS													
Interference CFS													
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS													
Interference CFS													
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS													
Interference CFS													
(A) = Total Interf.													
(B) = 80 % Nat. Q													
(C) = 1 % Nat. Q													
(D) = (A) > (C)													
(E) = (A / B) x 100		%	%	%	%	%	%	%	%	%	%	%	%

D. WELL CONSTRUCTION, OAR 690-200

D1. Well #: _____ Logid: _____

D2. THE WELL does not appear to meet current well construction standards based upon:

- a. review of the well log;
- b. field inspection by _____;
- c. report of CWRE _____;
- d. other: (specify) _____

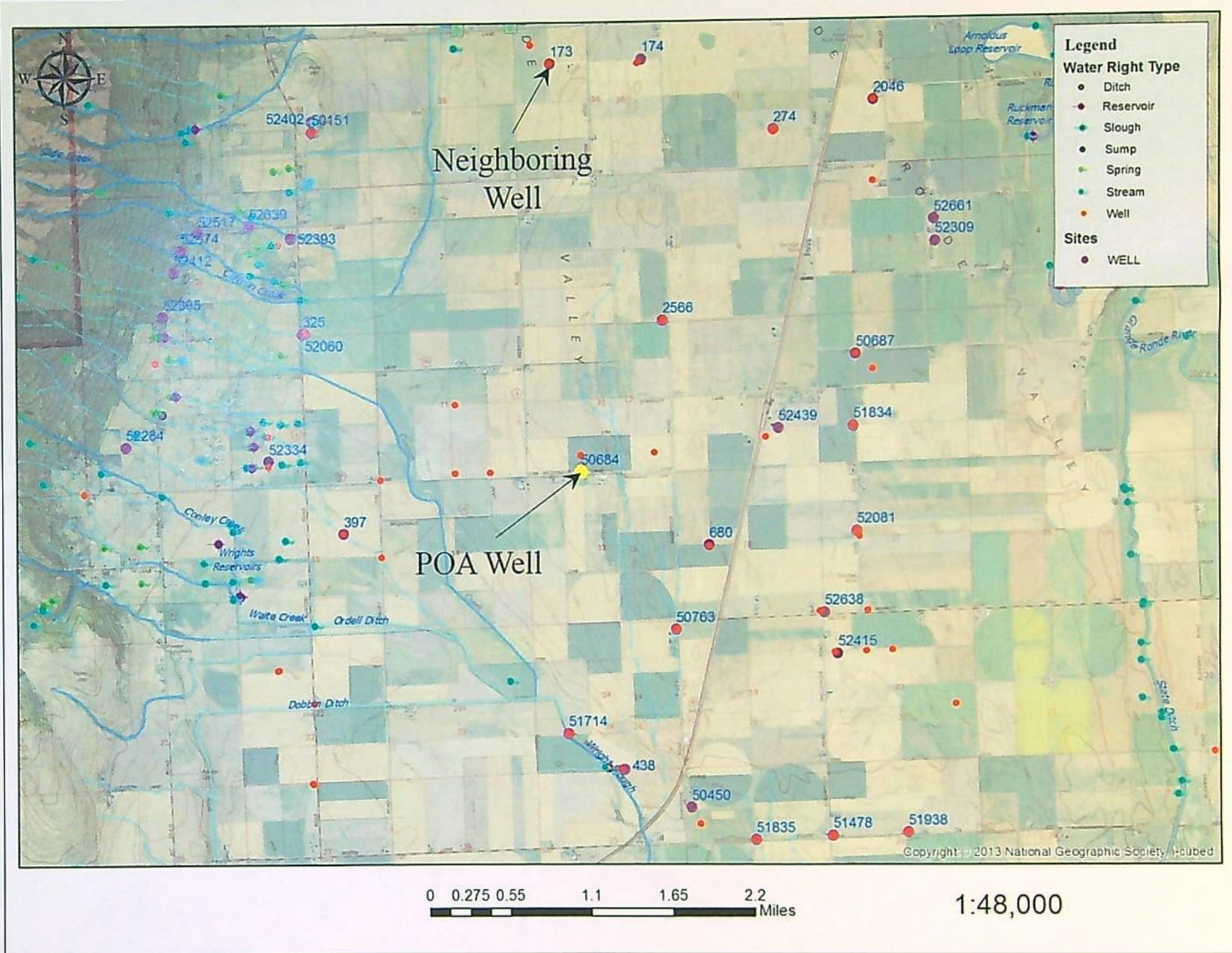
D3. THE WELL construction deficiency or other comment is described as follows: _____

D4. Route to the Well Construction and Compliance Section for a review of existing well construction.

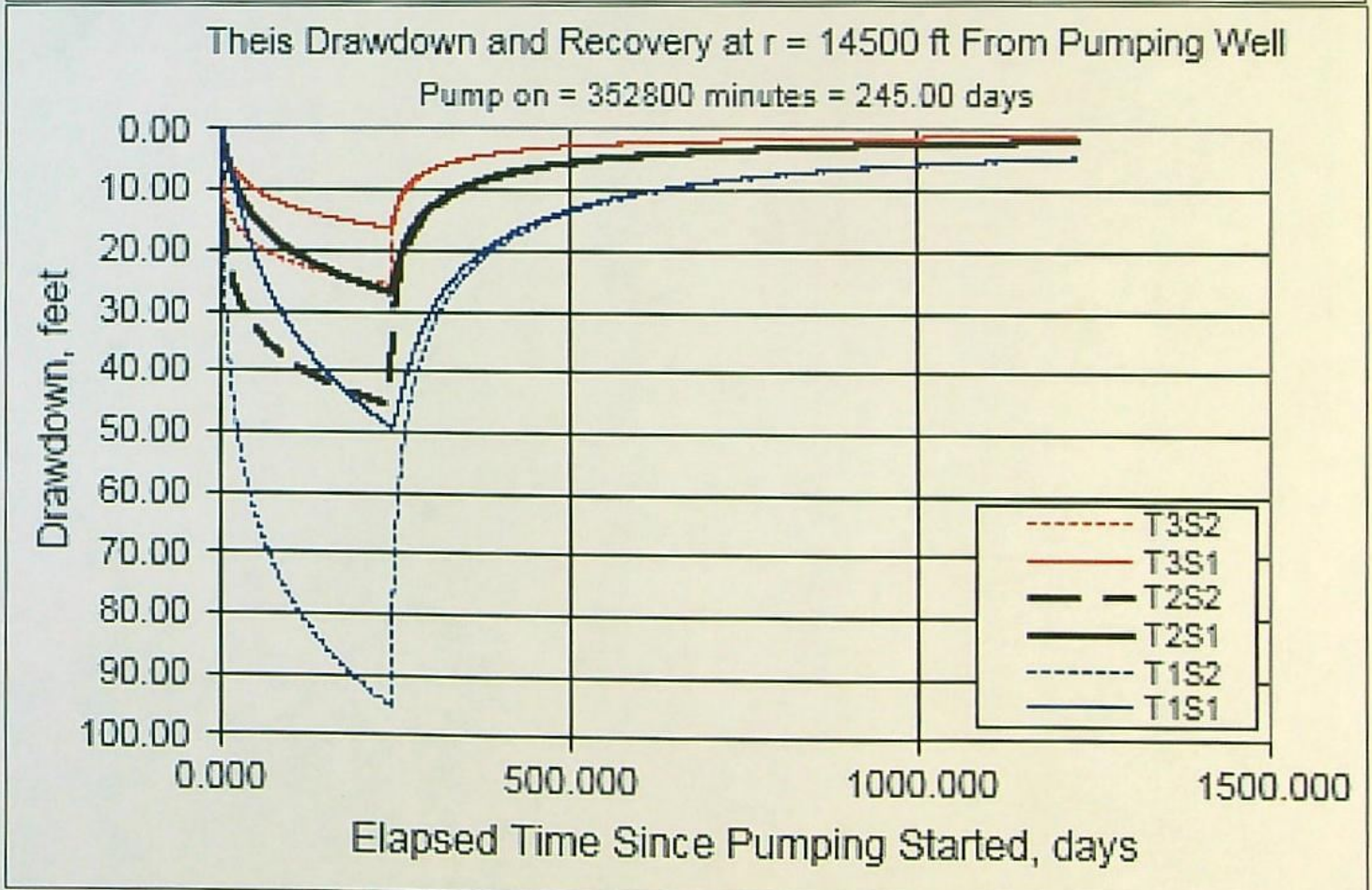
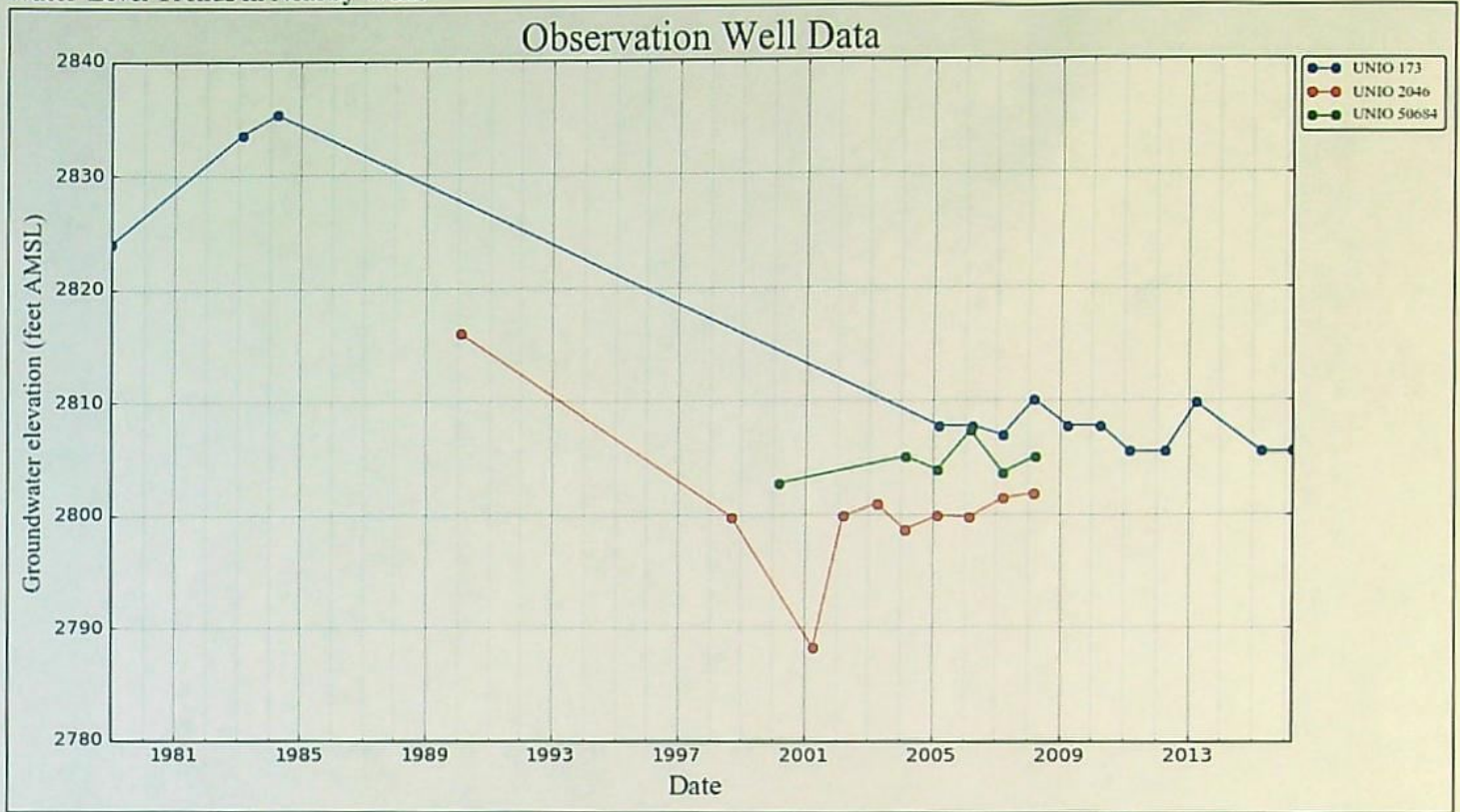
Water Availability Tables

DETAILED REPORT ON THE WATER AVAILABILITY CALCULATION						
Watershed ID #: 30810407		GRANDE RONDE R > SNAKE R - AB WILLOW CR			Exceedance Level: 80	
Time: 3:52 PM		Basin: GRANDE RONDE			Date: 02/11/2020	
Month	Natural Stream Flow	Consumptive Use and Storage	Expected Stream Flow	Reserved Stream Flow	Instream Requirements	Net water Available
Monthly values are in cfs. Storage is the annual amount at 50% exceedance in ac-ft.						
JAN	138.00	17.70	120.00	23.70	0.00	96.60
FEB	246.00	21.70	224.00	62.30	0.00	162.00
MAR	431.00	23.50	408.00	118.00	0.00	290.00
APR	966.00	148.00	818.00	131.00	0.00	687.00
MAY	1,100.00	332.00	768.00	187.00	0.00	581.00
JUN	530.00	293.00	237.00	58.40	0.00	179.00
JUL	257.00	138.00	119.00	0.00	0.00	119.00
AUG	185.00	90.20	94.80	0.00	0.00	94.80
SEP	127.00	63.60	63.40	0.00	0.00	63.40
OCT	85.60	23.30	62.30	1.55	0.00	60.80
NOV	93.10	15.00	78.10	0.00	0.00	78.10
DEC	111.00	16.80	94.20	13.00	0.00	81.20
ANN	429,000	71,500	358,000	35,900	0	322,000

Well Location Map



Water-Level Trends in Nearby Wells



Expected drawdown (using T2 curves) at UNIO 173 is between roughly 25 and 55 feet after pumping UNIO 50684 for 245 days at a rate of 11.88 cfs, the combined rate of current authorizations and the proposed rate on this application.

OK
KHQ

MEMO

To: Kristopher Byrd, Well Construction and Compliance Section Manager
From: Joel Jeffery, Well Construction Program Coordinator
Subject: Review of Water Right Application G-18894
Date: March 2, 2020

The attached application was forwarded to the Well Construction and Compliance Section by Water Rights. Phil Marcy reviewed the application. Please see Phil's review and the Well Log.

Applicant's Well #1 (UNIO 50684): Based on a review of the Well Report, Applicant's Well #1 seems to protect the groundwater resource.

The construction of Applicant's Well #1 may not satisfy hydraulic connection issues.

MEMO

To: Kristopher Byrd, Well Construction and Compliance Section Manager
From: Joel Jeffery, Well Construction Program Coordinator
Subject: Review of Water Right Application G-18894
Date: February 27, 2020

The attached application was forwarded to the Well Construction and Compliance Section by Water Rights. Phil Marcy reviewed the application. Please see Phil's review and the Well Log.

Applicant's Well #1 (UNIO 50684): Based on a review of the Well Report, Applicant's Well #1 does not appear to comply with current minimum construction Standards (See OAR Division 210). This is a flowing artesian well. In order to meet minimum well construction standards, the well must be continuously cased and continuously sealed into the consolidated formation immediately overlying the water bearing zone. In addition, flowing artesian wells shall be equipped with a control valve and a water tight mechanical cap threaded or welded, so that all flow of water from the well can be completely stopped. Also, the well shall be equipped with a pressure gauge on a dead end line with a petcock valve placed between the gauge and the well casing.

protective

My recommendation is that the Department **not issue** a permit for Applicant's Well #1 (UNIO 50684) unless it is brought into compliance with current minimum well construction standards or information is provided showing it is in compliance with current minimum well construction standards.

Bringing Applicant's Well #1 into compliance with minimum well construction standards may not satisfy hydraulic connection issues.

APR 19 2000

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

WATER RESOURCES DEPT. SALEM, OREGON

WELL I.D. # 40696 START CARD # 114141

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

(1) OWNER: Well Number Name GREG BINGAMAN Address 64088 MCDONALD LANE City LAGRANDE State OR Zip 97850

(2) TYPE OF WORK: [X] New Well [] Deepening [] Alteration (repair/recondition) [] Abandonment

(3) DRILL METHOD: [] Rotary Air [] Rotary Mud [] Cable [] Auger [] Other AIR REVERSE

(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 3138 ft. Explosives used [] Yes [X] No Type Amount

Table with columns: HOLE Diameter, From, To, Material, SEAL From, To, Sacks or pounds. Includes entries for 23" and 19" diameters.

How was seal placed: Method [X] A [] B [X] C [] D [] E Backfill placed from 197 ft. to 1772 ft. Material 54405 Gravel placed from 197 ft. to 1772 ft. Size of gravel 3/8

(6) CASING/LINER: Table with columns: Diameter, From, To, Gauge, Steel, Plastic, Welded, Threaded. Includes entries for 18", 16", 14" casing and 10.750", 8.375" liner.

(7) PERFORATIONS/SCREENS: Table with columns: From, To, Slot size, Number, Diameter, Tele/pipe size, Casing, Liner. Includes entries for various slot sizes and diameters.

(8) WELL TESTS: Minimum testing time is 1 hour. [] Pump [] Bailer [X] Air PUMP [X] Flowing Artesian. Yield 1700 gal/min, Drawdown 36", Drill stem at 10.750-180', Time 7 hours.

Temperature of water 101.1 Depth Artesian Flow Found 1916 Was a water analysis done? NO Yes By whom Did any strata contain water not suitable for intended use? NO Too little. [] Salty [] Muddy [] Odor [] Colored [] Other Depth of strata: ARTESIAN 12 POUNDS

(9) LOCATION OF WELL by legal description: County UNION Latitude Longitude Township 2S Range 38E E or W-M. Section 12 SE 1/4 SW 1/4 Tax Lot 2301 Lot Block Subdivision Street Address of Well (or nearest address) 64088 MCDONALD LANE

(10) STATIC WATER LEVEL: Flowing ft. below land surface. Date 7-30-98 Artesian pressure 12 lb. per square inch. Date 3-6-2000

(11) WATER BEARING ZONES: Depth at which water was first found 153

Table with columns: From, To, Estimated Flow Rate, SWL. Includes entries for 154-171, 325-334, 436-439, 542-544, 768-774.

(12) WELL LOG: Ground Elevation

Table with columns: Material, From, To, SWL. Includes entries for TOPSOIL, Sandy clay TAN, clay green SOFT, clay gray SOFT, clay green & sand, clay gray, clay gray & sand coarse, clay gray & sand coarse cement, sandstone & sand coarse, gravel 1/4-1" & sand, clay gray SOFT, clay Brown & gray, sand & sandstone green & clay, sandstone block, clay gray & green SOFT sand, claystone gray, clay Brown & sand coarse, clay TAN - SOFT, clay & sand - green, clay TAN - SOFT.

Date started 6-29-1998 Completed 3-6-2000

(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.

Signed WWC Number Date

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

Signed WWC Number 1299 Date 3-20-2000

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2 of 19

UNIO
50684

APR 13 2000

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

WATER RESOURCES DEPT.
SALEM, OREGON

WELL I.D. # L 40696
START CARD # 114141

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

(1) OWNER: Well Number _____
Name _____
Address _____
City _____ State _____ Zip _____

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

HOLE		SEAL		Sacks or pounds
Diameter	From	Material	From	
12 1/4	1872	2472		
9 7/8	2472	3138		

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 _____

Casing/Liner	Diameter	From	To	Gauge	Material			
					Steel	Plastic	Welded	Threaded
Casing					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Liner					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) NO

(7) PERFORATIONS/SCREENS:

Perforations Method _____
 Screens Type 33B Material STEEL

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
2817	3138	3/16	5120	8 3/8	8.30	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

(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 by legal description:
County _____ Latitude _____ Longitude _____
Township _____ N or S Range _____ E or W. WM. _____
Section _____ 1/4 _____ 1/4 _____
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
797	800		
862	867		
1001	1003		
1056	1058		
1062	1067		

(12) WELL LOG:
Ground Elevation _____

Material	From	To	SWL
clay green + gray dry	241	254	
clay gray SOFT	254	265	
clay green SOFT	265	320	
clay gray + green some dry	320	325	
sandstone + clay - green	325	334	Water
clay green + gray - HARD	334	406	
gravel + sand + clay gray	406	410	
clay gray	410	436	
gravel sand + sand coarse	436	439	Water
clay green SOFT	439	463	
claystone + clay green HARD	463	481	
clay gray SOFT	481	487	
clay + sand green SOFT	487	528	
clay Brown SOFT	528	542	
sand green FINE	542	544	Water
clay graygreen SOFT	544	576	
clay green sandy SOFT	576	615	
Rock	615	616	
clay gray + green SOFT	616	712	
clay Brown + sandy SOFT	712	725	

Date started _____ Completed _____

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

Signed _____ WWC Number _____ Date _____

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

Signed Wally Lowe WWC Number 1399 Date _____

4110
50684

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APR 13 2000

#3 of 19

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

WATER RESOURCES DEPT.
SALEM, OREGON

WELL I.D. # L 40696
START CARD # 114141

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

(1) OWNER: Well Number _____
Name _____
Address _____
City _____ State _____ Zip _____

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

HOLE SEAL

Diameter	From	To	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:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Liner:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

From	To	Slot size	Type	Number	Diameter	Tele/pipe size	Material	Casing	Liner
								<input type="checkbox"/>	<input type="checkbox"/>
								<input type="checkbox"/>	<input type="checkbox"/>
								<input type="checkbox"/>	<input type="checkbox"/>
								<input type="checkbox"/>	<input type="checkbox"/>
								<input type="checkbox"/>	<input type="checkbox"/>

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

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

Pump Bailer Air Flowing Artesian

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 _____ 1/4 _____ 1/4 _____
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
1091	1093		
1222	1226		
1477	1479		
1540	1542		
1620	1623		

(12) WELL LOG:
Ground Elevation _____

Material	From	To	SWL
clay Brown's Red SOFT	725	729	
clay TAN SOFT + DRG	729	731	
clay Tan + gravel 1/8-1"	731	732	
clay green SOFT	732	739	
gravel + clay green	739	740	
clay Brown SOFT	740	768	
sand + gravel + clay green	768	774	water
clay green SOFT	774	797	
gravel 1/8-1"	797	800	water
clay Brown SOFT	800	827	
clay TAN SOFT	827	832	
clay green + green SOFT	832	842	
clay green Hard + DRG	842	862	
sand coarse + gravel 1/8-1"	862	867	water
clay green + gravel SOFT	867	898	
clay tan + shale Hard	898	900	
clay green + sandstone	900	918	
spindle clay - green	918	923	
clay green + Brown's Red + DRG	923	969	
sand + clay green + gravel sand	969	971	

Date started _____ Completed _____

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

Signed _____ WWC Number _____
Date _____

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

Signed Waldo Lorne WWC Number _____
Date _____

U1110
50684

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

WELL I.D. # L 40696
START CARD # 114141

Instructions for completing this report are on the last page of this form. WATER RESOURCES DEPT. SALEM, OREGON

(1) OWNER: Well Number _____
Name _____
Address _____
City _____ State _____ Zip _____

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

HOLE SEAL

Diameter	From	To	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:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Liner:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

Perforations Method _____
 Screens Type _____ Material _____

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>

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

<input type="checkbox"/> Pump	<input type="checkbox"/> Bailer	<input type="checkbox"/> Air	<input type="checkbox"/> 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 _____ 1/4 _____ 1/4 _____
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
1915	1918	Flowing 350 gpm	7
2412	2417	25 gpm	10
2722	2730		11
2839	2845	350 gpm	12

(12) WELL LOG:
Ground Elevation _____

Material	From	To	SWL
clay green SOFT	971	973	
gravel + sand + clay - green	973	974	
clay green	974	983	
sand + clay green	983	985	
clay green SOFT	985	1001	
sand course	1001	1003	Water
clay green SOFT	1003	1006	
sand course	1006	1008	
clay green	1008	1022	
clay green + gravel 3/8-1/2	1022	1024	
clay green SOFT	1024	1032	
sand course	1032	1034	
clay green SOFT	1034	1048	
clay + sand Fine + green	1048	1056	
gravel 1/8-3/16	1056	1058	Water
clay green SOFT + wood	1058	1062	
gravel 1/8-1/2	1062	1067	Water
clay green	1067	1079	
sand course	1079	1081	
clay green - green	1081	1091	

Date started _____ Completed _____

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

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

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

WELL I.D. # L40696
START CARD # 114141

Instructions for completing this report are on the last page of this report.
WATER RESOURCES DEPT.
SALEM, OREGON

(1) OWNER: Well Number _____
Name _____
Address _____
City _____ State _____ Zip _____

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

HOLE SEAL

Diameter	From	To	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:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Liner:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

From	To	Slot size	Number	Diameter	Material	Tele./pipe size	Casing	Liner
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>

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

Yield gal/min	Drawdown	Drill stem at	Flowing 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 _____ 1/4 _____ 1/4 _____
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

(12) WELL LOG:
Ground Elevation _____

Material	From	To	SWL
sand course	1091	1093	water
clay green hard	1093	1118	
clay Brown Hard	1118	1126	
sand course green	1126	1131	
clay green	1131	1146	
clay gray hard	1146	1149	
clay Brown + digital hard	1149	1152	
clay light green Hard	1152	1198	
clay tan SOFT + sand course sandstone	1198	1222	
sand course green	1222	1226	water
clay gray SOFT	1226	1229	
clay tan SOFT	1229	1245	
clay stone green	1245	1254	
clay gray + green + dogstone	1254	1258	
clay Brown's red SOFT + HARD	1258	1261	
clay green SOFT	1261	1273	
clay gray SOFT	1273	1292	
sand course green	1292	1293	
clay green	1293	1295	
clay Block Hard	1295	1298	

Date started _____ Completed _____

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

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

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

WELL I.D. # L 40696
START CARD # 114141

WATER RESOURCES DEPT.
SALEM, OREGON

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

(1) OWNER: Well Number _____
Name _____
Address _____
City _____ State _____ Zip _____

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

HOLE SEAL

Diameter	From	To	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:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Liner:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

Perforations Method _____
 Screens Type _____ Material _____

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>

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

<input type="checkbox"/> Pump	<input type="checkbox"/> Bailer	<input type="checkbox"/> Air	<input type="checkbox"/> 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 _____ 1/4 _____ 1/4 _____
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

(12) WELL LOG:
Ground Elevation _____

Material	From	To	SWL
clay gray SOFT	1298	1323	
sand coarse	1323	1325	
clay green & dogstone	1325	1343	
sand FINE & clay green	1343	1345	
clay green Hard	1345	1375	
sand coarse	1375	1378	
clay green + dogstone	1378	1392	
clay gray SOFT	1392	1393	
clay Brown SOFT	1393	1403	
clay green sand & clay Red	1403	1405	
clay green SOFT	1405	1416	
clay green & sand coarse	1416	1421	
sand coarse & gravel small	1421	1423	
clay green SOFT	1423	1439	
clay sandy & SOFT	1439	1441	
sand coarse & clay green	1441	1444	
clay green + Brown SOFT	1444	1447	
clay gray + green Very SOFT	1447	1451	
clay sandy Red SOFT	1451	1453	
clay gray green SOFT	1453	1455	

Date started _____ Completed _____

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

Signed _____ WWC Number _____
Date _____

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

Signed Walden Lowe WWC Number _____
Date _____

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

WATER RESOURCES DEPT.
SALEM, OREGON

WELL I.D. # L 40696
START CARD # 114141

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

(1) OWNER: Well Number _____
Name _____
Address _____
City _____ State _____ Zip _____

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

HOLE SEAL

Diameter	From	To	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:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Liner:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>

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

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 _____ 1/4 _____ 1/4 _____
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

(12) WELL LOG:
Ground Elevation _____

Material	From	To	SWL
clay green SOFT	1455	1461	
clay green + claystone Hard	1461	1463	
clay green + gray SOFT	1463	1476	
clay gray green + sand course	1476	1477	
sand course + gravel 3/8	1477	1479	Water
clay green SOFT	1479	1496	
clay green soft + claystone	1496		
Dark to sand course		1498	
clay gray SOFT	1498	1516	
clay green SOFT + sand course	1516	1518	
clay green SOFT	1518	1540	
sand course	1540	1549	Water
clay green SOFT	1549	1547	
clay tan SOFT	1547	1563	
clay green SOFT + sand course	1563	1567	
clay green SOFT	1567	1579	
clay green + shale green Dark	1579	1582	
clay green SOFT sand course	1582	1591	
sand course green	1591	1594	
clay green SOFT	1594	1609	

Date started _____ Completed _____
(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 _____
Signed Walter Lorne Date _____

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

WATER RESOURCES DEPT.
SALEM, OREGON

WELL I.D. # L 40696
START CARD # 114171

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

(1) OWNER: Well Number _____

Name _____
Address _____
City _____ State _____ Zip _____

(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 _____ ft.

Explosives used Yes No Type _____ Amount _____

HOLE			SEAL			Sacks or pounds
Diameter	From	To	Material	From	To	

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:

Casing/Liner	Diameter	From	To	Gauge	Material			
					Steel	Plastic	Welded	Threaded
Casing:					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Liner:					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

Perforations Method _____

Screens Type _____ Material _____

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>

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

Pump Bailor 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 _____ 1/4 _____ 1/4 _____
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

(12) WELL LOG:

Ground Elevation _____

Material	From	To	SWL
clay green + sand course	1609	1620	
sand course + gravel 1/2-3/8	1620	1623	water
clay green SOFT	1623	1627	
sand course green + clay green	1627	1629	
sand course + gravel 1/2-3/8	1629	1632	
clay + sand green	1632	1636	
sand course green	1636	1638	
clay + shale - green Dark	1638	1647	
clay gray + Block SOFT	1647	1649	
clay green SOFT	1649	1633	
clay gray SOFT	1633	1637	
clay green	1637	1660	
clay + shale - green + gray	1660	1661	
clay green SOFT	1661	1681	
clay green + shale green + Red	1681	1709	
shale green Dark + gravel 3/4	1709	1713	
clay green SOFT + gravel 3/4	1713	1716	
clay green SOFT	1716	1738	
clay green Dark	1738	1740	
sand course	1740	1743	

Date started _____ Completed _____

(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 _____

Signed Walter Lowe Date _____

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

WELL I.D. # 40696
START CARD # 114141

Instructions for completing this report are on the last page of this report. WATER RESOURCES DEPT. SALEM, OREGON

(1) OWNER: Well Number _____
Name _____
Address _____
City _____ State _____ Zip _____

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

HOLE SEAL

Diameter	From	To	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:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Liner:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(7) PERFORATIONS/SCREENS:

Perforations Method _____
 Screens Type _____ Material _____

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>

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

Yield gal/min	Drawdown	Drill stem at	Flowing Artesian 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 _____ 1/4 _____ 1/4 _____
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

(12) WELL LOG:
Ground Elevation _____

Material	From	To	SWL
clay gray SOFT	1743	1746	
clay Brown SOFT DRY	1746	1751	
clay & shale Block	1751	1766	
clay Brown SOFT	1766	1771	
clay green SOFT	1771	1776	
clay Brown SOFT	1776	1779	
clay green SOFT	1779	1781	
clay Brown SOFT	1781	1784	
clay + shale Brown's green SOFT + HARD	1784	1786	
clay Brown	1786	1787	
clay Brown's green SOFT + HARD	1787	1788	
clay green + SOFT	1788	1791	
clay gray-green SOFT	1791	1793	
clay Brown SOFT	1793	1796	
clay gray SOFT	1796	1798	
clay Brown SOFT	1798	1805	
clay gray SOFT + HARD	1805	1808	

Date started _____ Completed _____

(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 _____
Signed Waldo Lorne Date _____

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UNIO
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APR 13 2000

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

WATER RESOURCES DEPT.
SALEM, OREGON

WELL I.D. # L 40694
START CARD # 17141

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

(1) OWNER: Well Number _____
Name _____
Address _____
City _____ State _____ Zip _____

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

HOLE SEAL

Diameter	From	To	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:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Liner:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>

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

<input type="checkbox"/> Pump	<input type="checkbox"/> Bailer	<input type="checkbox"/> Air	<input type="checkbox"/> 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 _____ 1/4 _____ 1/4 _____
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

(12) WELL LOG:
Ground Elevation _____

Material	From	To	SWL
Basalt gray + clay gray SOFT	1994	1997	
clay gray SOFT Basalt Block	1997	2002	
Basalt gray clay gray SOFT	2002	2087	
cinder Red + Block + shale green	2087	2091	
Basalt Block + shale green + gray	2091	2104	
Basalt gray + shale green	2104	2109	
Basalt Block + shale green	2109	2112	
Basalt Block vec. + shale green	2112		
+ tan + pink SOFT		2133	
cinder Block " " "	2133	2162	
Basalt Block + shale green	2162	2164	
Basalt Block + gray + shale green + pink + gray + clay gray SOFT	2164		
Basalt Block + shale Red + shale green	2218	2221	
Basalt Block + shale green clay gray	2221	2270	
clay Red Brown Basalt Block	2270	2274	
Basalt Block + cinder Red	2274	2279	
Basalt gray + clay gray SOFT shale green	2279	2304	

Date started _____ Completed _____

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

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

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APR 13 2000

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

WATER RESOURCES DEPT.
SALEM, OREGON

WELL I.D. # L 40896
START CARD # 114141

Instructions for completing this report are on the last page.

(1) OWNER: Well Number _____
Name _____
Address _____
City _____ State _____ Zip _____

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

HOLE SEAL
Diameter From To Material From To Sacks or pounds

Diameter	From	To	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:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Liner:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>

(8) WELL TESTS: Minimum testing time is 1 hour
 Pump Bailer Air Flowing Artesian
Yield gal/min _____ Drawdown _____ Drill stem at _____ Time _____
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 _____ 1/4 _____ 1/4 _____
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

(12) WELL LOG:
Ground Elevation _____

Material	From	To	SWL
Basalt gray - Brown + shale green	2304	2329	
Basalt gray shale green	2329	2338	
clay Red + clay Red SOFT	2338	2341	
clay Brown + clay Brown	2341	2347	
clay Black + clay Black	2347	2354	
clay gray SOFT	2354	2356	
clay + shale green	2356	2362	
clay green SOFT + cinder gray	2362	2368	
cinder Black + clay gray SOFT	2368	2371	
shale green Basalt Black	2371	2379	
Basalt gray + shale green	2379	2383	
Basalt Black + shale green	2383	2392	
cinder gray + Red shale green +	2392	2396	
Basalt Black + all gray Hard		2396	
cinder Brown + shale green	2396	2412	
Basalt Black Veg. cinder Red shale green	2412	2417	Flowing
Basalt Black shale green + clay gray	2417	2425	
clay gray + Black + Basalt Black	2425	2427	
clay green + gray SOFT	2427	2428	

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

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

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APR 13 2000

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

WATER RESOURCES DEPT.
SALEM, OREGON

WELL I.D. # L 40696
START CARD # 114141

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

(1) OWNER: Well Number _____
Name _____
Address _____
City _____ State _____ Zip _____

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

HOLE SEAL

Diameter	From	To	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:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Liner:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(7) PERFORATIONS/SCREENS:

Perforations Method _____
 Screens Type _____ Material _____

From	To	Slot size	Number	Diameter	Tela/pipe size	Casing	Liner
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>

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

Pump Bailer Air Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
			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 _____ 1/4 _____ 1/4 _____
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

(12) WELL LOG:
Ground Elevation _____

Material	From	To	SWL
clay TAN SOFT	2428	2451	
clay green + gray + DRY + HARD	2451	2454	
clay green + gray + Basalt Block Vac	2454	2456	
clay TAN SOFT	2456	2457	
shale green + Basalt Block Vac	2457	2461	
clay tan Brown SOFT	2461	2464	
Basalt Block Vac, shale green	2464	2472	
Basalt Block Vac, clay green	2472	2509	
Basalt Block clay tan shale green	2509	2511	
cinder Red + clay Brown + Red shale green	2511	2516	
Basalt Block clay gray green	2516	2525	
Basalt Brown SOFT	2525	2527	
cinder Red shale green gray	2527	2579	
Basalt Brown + shale "	2579	2581	
Basalt Block + shale green gray + quality	2581	2584	
Basalt Brown + clay green SOFT	2584	2587	
Basalt Block + clay green HARD	2587	2590	
cinder Brown + Red + shale green	2590	2593	

Date started _____ Completed _____

(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 _____
Signed Walter Lorne Date _____

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APR 13 2000

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

WATER RESOURCES DEPT.
SALEM OREGON

WELL I.D. # L. 40696
START CARD # 114141

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

(1) OWNER: Well Number _____
Name _____
Address _____
City _____ State _____ Zip _____

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

HOLE SEAL

Diameter	From	To	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:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Liner:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) _____
(7) PERFORATIONS/SCREENS:

Perforations Method _____
 Screens Type _____ Material _____

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>

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

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

Pump Bailer Air Flowing Artesian

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 _____ 1/4 _____ 1/4
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

(12) WELL LOG:
Ground Elevation _____

Material	From	To	SWL
shale gray + brown Hard & clay gray SOFT	2690	2705	
Basalt Block conchoidal	2705	2711	
shale Brown & clay B. stony	2711	2714	
shale Brown & green Hard	2714	2718	
shale green + brown & gray	2718	2720	
shale " " Basalt Block	2720	2722	
Basalt Block	2722	2730	Water
Basalt gray quartz white	2730	2761	
Basalt gray clay or ash gray	2761	2772	
Basalt Block " " "	2772	2779	
Basalt Block shale green inter. Red	2779	2782	
shale Brown HARD	2782	2784	
Basalt Block & shale gray	2784	2791	
Basalt gray shale gray	2791	2799	
shale Brown & Basalt Block	2799	2801	
limestone Block shale green	2801	2816	
Basalt Block & shale gray green	2816	2826	
limestone Block & red shale green	2826	2829	
" " " shale Brown & green	2829	2835	

Date started _____ Completed _____
(unbonded) Water Well Constructor Certification:

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

Signed _____ WWC Number _____ Date _____

(bonded) Water Well Constructor Certification:

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

Signed Walter Lorne WWC Number 1599 Date _____

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

WATER RESOURCES DEPT.
OREGON

WELL I.D. # L 40696
START CARD # 214191

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

(1) OWNER: Well Number _____
Name _____
Address _____
City _____ State _____ Zip _____

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

HOLE			SEAL			Sacks or pounds
Diameter	From	To	Material	From	To	

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:

Casing:	Diameter	From	To	Gauge	Material			
					Steel	Plastic	Welded	Threaded
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(7) PERFORATIONS/SCREENS:

Perforations Method _____
 Screens Type _____ Material _____

From	To	Slot size	Number	Diameter	Tele./pipe size	Casing	Liner
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>

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

Pump Bailer Air Flowing Artesian
Yield gal/min Drawdown Drill stem at Time
_____ 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 _____ 1/4 _____ 1/4 _____
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

(12) WELL LOG:
Ground Elevation _____

Material	From	To	SWL
Basalt Block + gray	2986	2988	
Basalt gray	2988	2991	
Basalt Block cinder Red shale green	2991	2997	
Basalt gray + shale green	2997	3009	
Basalt gray shale green	3009	3023	
Basalt Block quartz white	3023	3027	
Basalt Block cinder Red	3027	3035	
Basalt gray quartz shale gray	3035	3041	
Basalt Block + shale green	3041	3043	
Basalt gray + shale gray quartz	3043	3054	
Basalt gray shale green	3054	3078	
Basalt Block quartz white	3078	3081	
Basalt gray shale green + cinder	3081		
cinder's red + block		3099	
Basalt Block + quartz white	3099		
White		3106	
Basalt gray + shale green + gray	3106	3109	
Basalt Block + clay Block	3109	3111	
shale green + cinder Red	3111	3116	
Basalt Block via shale green	3116	3124	

Date started _____ Completed _____

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

Signed _____ WWC Number _____
Date _____

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

Signed Waldo Jones WWC Number 1399
Date _____

E-2 Standard Application Completeness Checklist

Yes No

For use with Groundwater and Surface Water Applications Only

Minimum Requirements (OAR 690-310-0040) (ORS 537.400)

For use by WRD staff only

Application G-18894 County Union Priority Date 12/16/2019
Township 2S Range 38E Section 12,13,14
Amount 5.18 cfs Use Irrigation WM Dist. # 6
Applicant Name Gregory L Bingaman
Receipt No. 131550 Caseworker Assigned: Kim Lisa

Applicant/Organization Name and Mailing Address

Signature of all applicants (include title or authority of representative if applicant is an organization or corporation). *Applicant's agent may NOT sign application.

Property Ownership: Does the applicant own all the land for the proposed project? Y N

If No:

The affected landowner's name(s) and mailing address(s) must be listed

A signed statement declaring the existence of either written authorization or an easement permitting access to land crossed by the proposed ditch canal or other work must be submitted.

For a SW Application: Source of water must be indicated.

If the source is stored water, is the stored water component filled out and does the applicant own the reservoir or include a non-expired agreement for stored water? (ORS 537.400)
NOTE: A surface water application cannot be filed at the same time as a Reservoir or Alt Reservoir if it will be for the use of the stored water under the PROPOSED Reservoir application, Exp. Secondary (E2)(ORS 537.147).

If for stored water not under contract, is the source authorized under a permit, certificate, or decree?
Permit or Certificate issued Y N Permit or Certificate # _____

For a GW Application: Well Development Tables completed and/or a well log report included (if existing)

Division 33, Public Interest Information (Sensitive, Threatened, Endangered, Fish Species)

Proposed Water Use

Amount of water from each source in GPM, CFS, or AF

Period of use indicated

If for supplemental irrigation, primary acreage or underlying permit or certificate number listed
(Primary and Supplemental Irrigation counts as 2 uses)

Water Management Section (Estimates if the water system has not been designed)

Resource Protection Section

Project schedule (If system is already completed, indicate "existing.")

N/A Supplemental data sheets enclosed (if needed)

- Form M (Municipal or Quasi-Municipal)
- Spring Description Sheet (if source is a spring)

X A completed **Land-Use Form** or receipt signed and dated by the appropriate planning department officials. *Please be certain that the Land-Use form lists all lands involved and all uses proposed. Date of signature must be within the past 12 months.*

X A **Legal Description** of all the properties involved where water is diverted, crossed, and used. The Legal description includes a metes and bounds or other government survey description. A copy of the deed, land sales contract or title insurance policy can provide this information, or applicant may submit a lot book report prepared by a title company. Copies of tax bills are not acceptable.

- TDD The proposed source **IS / IS NOT** (circle one) restricted or withdrawn from further appropriation. *NOTE: If it is withdrawn under ORS 538, return application and fees.*

The **map** must meet all the minimum requirements of OAR 690-310-0050.

- X Township, Range, Section
- X Location of main canals, ditches, pipelines or flumes (if POA/POD is outside of POU)
- X Place of use, 1/4-1/4's and tax lot clearly identified
- X Even map scale not less than 4" = 1 mile (1" = 1320 ft.); examples: 1" = 100 ft., 1" = 200 ft.
- X Location of *each* diversion point or well by reference to a recognized public land survey corner. Multiple wells shall be uniquely labeled, and identified on well logs, if existing.
- X Reference corner on map
- X North Directional Symbol
- X Number of acres per 1/4 1/4 if for irrigation, nursery, or agriculture

Fees: Print out from Fee Calculator

Total Fees (exam+recording):
 Fee Paid
 Amount Due

\$3,960.⁰⁰
 \$3,440.⁰⁰
 \$520.⁰⁰ @ permit issuance

Reviewed by: Judy Ferrell

Date: 12/17/2019

Com Middleton

12/17/2019

amm 12/10/19



Oregon Water Resources Department
Groundwater Application

- [Main](#)
- [Help](#)
- [Return](#)
- [Contact Us](#)

Today's Date: Tuesday, December 17, 2019

Base Application Fee.		\$1,340.00
Number of proposed cubic feet per second (cfs) to be appropriated. (1 cfs = 448.83 gallons per minute)	5.18	\$2,100.00
Number of proposed Use's for the appropriated water. (i.e. Irrigation, Supplemental Irrigation, Pond Maintenance, Industrial, Commercial, etc) *	1	
Number of proposed groundwater points of appropriation. (i.e. number of wells) (include all injection wells, if applicable) **	1	
Subtotal:		\$3,440.00
Permit Recording Fee. ***		\$520.00
* the 1st Water Use is included in the base cost. ** the 1st groundwater point of appropriation is included in the base cost. *** the Permit Recording Fee is not required when the application is submitted but, must be paid before a permit will be issued. It is fully refundable if a permit is not issued. If the recording fee is not paid prior to issuance of the Final Order, permit issuance will be delayed.	Recalculate	
Estimated cost of Permit Application		\$3,960.00

↑
JF

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 # **131550**

INVOICE # _____

RECEIVED FROM: Bingaman Enterprises LLC APPLICATION B-18894
 BY: _____ PERMIT _____
 TRANSFER _____
 CASH: CHECK: # 27543 OTHER: (IDENTIFY) _____
 TOTAL REC'D \$ 3440.00

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

MISCELLANEOUS 46111

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

WATER RIGHTS:

0201 SURFACE WATER	EXAM FEE	0202	RECORD FEE
0203 GROUND WATER	\$ <u>3440.00</u>	0204	\$ _____
0205 TRANSFER	\$ _____		

WELL CONSTRUCTION

0218 WELL DRILL CONSTRUCTOR	EXAM FEE	0219	LICENSE FEE
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 (FWWRD) \$ _____
 0231 HYDRO LICENSE FEE (FWWRD) \$ _____
 HYDRO APPLICATION \$ _____

TREASURY OTHER / RDX

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

RECEIPT: **131550** DATED: 12-16-19 BY: Samantha Hillery

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

Bank of Eastern Oreg

BINGAMAN ENTERPRISES LLC

OREGON WATER RESOURCES

water rights

12/10/2019

3,440.00

27543

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3,440.00

Application for a Permit to Use Groundwater



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

SECTION 1: APPLICANT INFORMATION AND SIGNATURE

Applicant

NAME GREGORY L. BINGAMAN			PHONE (HM)
PHONE (WK)	CELL 541-786-1000		FAX
ADDRESS 64088 McDONALD LANE			
CITY LA GRANDE	STATE OREG	ZIP 97850	E-MAIL *

Organization

NAME			PHONE	FAX
ADDRESS			CELL	
CITY	STATE	ZIP	E-MAIL *	

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

AGENT / BUSINESS NAME GREGORY BLACKMAN			PHONE 541-963-6771	FAX
ADDRESS 126 RIDGE DRIVE			CELL 541-786-2859	
CITY LA GRANDE	STATE ORE	ZIP 97850	E-MAIL * gtblackman@yahoo.com	

Note: Attach multiple copies as needed

* By providing an e-mail address, consent is given to receive all correspondence from the Department electronically. (Paper copies of the proposed and final order documents will also be mailed.)

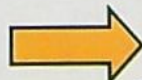
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By my signature below I confirm that I understand:

- I am asking to use water specifically as described in this application.
- Evaluation of this application will be based on information provided in the application.
- I cannot use water legally until the Water Resources Department issues a permit.
- Oregon law requires that a permit be issued before beginning construction of any proposed well, unless the use is exempt. Acceptance of this application does not guarantee a permit will be issued.
- If I get a permit, I must not waste water.
- If development of the water use is not according to the terms of the permit, the permit can be cancelled.
- The water use must be compatible with local comprehensive land-use plans.
- Even if the Department issues a permit, I may have to stop using water to allow senior water-right holders to get water to which they are entitled.



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

Applicant Signature

Gregory L. Bingaman, Leasee of land

Print Name and Title if applicable

12-12-2019
Date

Applicant Signature

Print Name and Title if applicable

Date

SECTION 2: PROPERTY OWNERSHIP

Please indicate if you own all the lands associated with the project from which the water is to be diverted, conveyed, and used.

- YES, there are no encumbrances.
- YES, the land is encumbered by easements, rights of way, roads or other encumbrances.
- NO, I have a recorded easement or written authorization permitting access.
- NO, I do not currently have written authorization or easement permitting access.
- NO, written authorization or an easement is not necessary, because the only affected lands I do not own are state-owned submersible lands, and this application is for irrigation and/or domestic use only (ORS 274.040).
- NO, because water is to be diverted, conveyed, and/or used only on federal lands.

Affected Landowners: List the names and mailing addresses of all owners of any lands that are not owned by the applicant and that are crossed by the proposed ditch, canal or other work, even if the applicant has obtained written authorization or an easement from the owner. *(Attach additional sheets if necessary).*

Legal Description: You must provide the legal description of: 1. The property from which the water is to be diverted, 2. Any property crossed by the proposed ditch, canal or other work, and 3. Any property on which the water is to be used as depicted on the map.

SECTION 3: WELL DEVELOPMENT

WELL NO.	NAME OF NEAREST SURFACE WATER	IF LESS THAN 1 MILE:	
		DISTANCE TO NEAREST SURFACE WATER	ELEVATION CHANGE BETWEEN NEAREST SURFACE WATER AND WELL HEAD
UNIO 50684	CANYON CREEK	6300'	-60'

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Please provide any information for your existing or proposed well(s) that you believe may be helpful in evaluating your application. For existing wells, describe any previous alteration(s) or repair(s) not documented in the attached well log or other materials *(attach additional sheets if necessary).*

THE PROPOSED POD IS AN EXISTING WORKING WELL, UNIO 50684, AND IS BEING USED UNDER C-89503. WE ARE REQUESTING THAT THE RATE BE BASED UPON A 1/60TH CFS INSTEAD OF 1/80TH DUE TO THE DRY CLIMATE OF EASTERN OREGON.

SECTION 3: WELL DEVELOPMENT, continued

Total maximum rate requested: 5.18 CFS (each well will be evaluated at the maximum rate unless you indicate well-specific rates and annual volumes in the table below).

The table below must be completed for each source to be evaluated or the application will be returned. If this is an existing well, the information may be found on the applicable well log. *(If a well log is available, please submit it in addition to completing the table.)* If this is a proposed well, or well-modification, consider consulting with a licensed well driller, geologist, or certified water right examiner to obtain the necessary information.

OWNER'S WELL NAME OR NO.	PROPOSED	EXISTING	WELL ID (WELL TAG) NO.* OR WELL LOG ID**	FLOWING ARTESIAN	CASING DIAMETER	CASING INTERVALS (IN FEET)	PERFORATED OR SCREENED INTERVALS (IN FEET)	SEAL INTERVALS (IN FEET)	MOST RECENT STATIC WATER LEVEL & DATE (IN FEET)	PROPOSED USE			
										SOURCE AQUIFER***	TOTAL WELL DEPTH	WELL-SPECIFIC RATE (GPM)	ANNUAL VOLUME (ACRE-FEET)
UNIO 50684	<input type="checkbox"/>	<input checked="" type="checkbox"/>	L-40696	<input checked="" type="checkbox"/>	18"-14"	SEE LOG	SEE LOG	SEE LOG	3/2019	BASALT	3138'	409 GPM C-89503	3.0 AC FT
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>									
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>									
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>									
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>									
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>									
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>									
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>									

* Licensed drillers are required to attach a Department-supplied Well Tag, with a unique Well ID or Well Tag Number to all new or newly altered wells. Landowners can request a Well ID for existing wells that do not have one. The Well ID is intended to serve as a unique identification number for each well.
 ** A well log ID (e.g. MARI 1234) is assigned by the Department to each log in the agency's well log database. A separate well log is required for each subsequent alteration of the well.
 *** Source aquifer examples: Troutdale Formation, gravel and sand, alluvium, basalt, bedrock, etc.

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SECTION 4: SENSITIVE, THREATENED OR ENDANGERED FISH SPECIES PUBLIC INTEREST INFORMATION

This information must be provided for your application to be accepted as complete. The Water Resources Department will determine whether the proposed use will impair or be detrimental to the public interest with regard to sensitive, threatened or endangered fish species if your proposed groundwater use is determined to have the potential for substantial interference with nearby surface waters.

To answer the following questions, use the map provided in [Attachment 3](#) or the link below to determine whether the proposed point of appropriation (POA) is located in an area where the Upper Columbia, the Lower Columbia, and/or the Statewide public interest rules apply.

For more detailed information, click on the following link and enter the TRSQQ or the Lat/Long of a POA and click on "Submit" to retrieve a report that will show which section, if any, of the rules apply:
https://apps.wrd.state.or.us/apps/misc/lkp_trsqq_features/

If you need help to determine in which area the proposed POA is located, please call the customer service desk at (503) 986-0801.

Upper Columbia - OAR 690-033-0115 thru -0130

Is the well or proposed well located in an area where the Upper Columbia Rules apply?

Yes x No

If yes, you are notified that the Water Resources Department will consult with numerous federal, state, local and tribal governmental entities so it may determine whether the proposed use is consistent with the "Columbia River Basin Fish and Wildlife Program" adopted by the Northwest Power Planning Council in 1994 for the protection and recovery of listed fish species. The application may be denied, heavily conditioned, or if appropriate, mitigation for impacts may be needed to obtain approval for the proposed use.

If yes, and if the Department determines that proposed groundwater use has the potential for substantial interference with nearby surface waters:

- I understand that the permit, if issued, will not allow use during the time period April 15 to September 30, except as provided in OAR 690-033-0140.
- I understand that the Department of Environmental Quality will review my application to determine if the proposed use complies with existing state and federal water quality standards.
- I understand that I will install and maintain water use measurement and recording devices as required by the Water Resources Department, and comply with recording and reporting permit condition requirements.

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Lower Columbia - OAR 690-033-0220 thru -0230

Is the well or proposed well located in an area where the Lower Columbia rules apply?

Yes x No

If yes, and the proposed groundwater use is determined to have the potential for substantial interference with nearby surface waters you are notified that the Water Resources Department will determine, by reviewing recovery plans, the Columbia River Basin Fish and Wildlife Program, and regional restoration programs applicable to threatened or endangered fish species, in coordination with state and federal agencies, as

appropriate, whether the proposed use is detrimental to the protection or recovery of a threatened or endangered fish species and whether the use can be conditioned or mitigated to avoid the detriment.

If a permit is issued, it will likely contain conditions to ensure the water use complies with existing state and federal water quality standards; and water use measurement, recording and reporting required by the Water Resources Department. The application may be denied, or if appropriate, mitigation for impacts may be needed to obtain approval of the proposed use.

If yes, you will be required to provide the following information, if applicable.

X Yes No The proposed use is for more than **one** cubic foot per second (448.8 gpm) and is not subject to the requirements of OAR 690, Division 86 (Water Management and Conservation Plans).

If yes, provide a description of the measures to be taken to assure reasonably efficient water use:
The proposed point of appropriation is an existing artesian well flowing at a rate near 1700 gpm.1
The well is currently in use on C-89503, with other COBU applications on file, but certificates
not issued.

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Statewide - OAR 690-033-0330 thru -0340

Is the well or proposed well located in an area where the Statewide rules apply?

Yes x No

If yes, and the proposed groundwater use is determined to have the potential for substantial interference with nearby surface waters you are notified that the Water Resources Department will determine whether the proposed use will occur in an area where endangered, threatened or sensitive fish species are located. If so, the Water Resources Department, Department of Fish and Wildlife, Department of Environmental Quality, and the Department of Agriculture will recommend conditions required to achieve “no loss of essential habitat of threatened and endangered (T&E) fish species,” or “no net loss of essential habitat of sensitive (S) fish species.” If conditions cannot be identified that meet the standards of no loss of essential T E fish habitat or no net loss of essential S fish habitat, the agencies will recommend denial of the application unless they conclude that the proposed use would not harm the species.

SECTION 5: WATER USE

USE	PERIOD OF USE	ANNUAL VOLUME (ACRE-FEET)
Irrigation	March 1 thru October 1	3.0

For irrigation use only:
 Please indicate the number of primary and supplemental acres to be irrigated (*must match map*).
 Primary: 310.89* Acres Supplemental: Acres
 If you listed supplemental acres, list the Permit or Certificate number of the underlying primary water right(s):

 Indicate the maximum total number of acre-feet you expect to use in an irrigation season: 932.67 Ac ft

- If the use is **municipal or quasi-municipal**, attach **Form M**

- If the use is **domestic**, indicate the number of households: ____ (Exempt Uses: Please note that 15,000 gallons per day for single or group domestic purposes and 5,000 gallons per day for a single industrial or commercial purpose are exempt from permitting requirements.)
- If the use is **mining**, describe what is being mined and the method(s) of extraction (*attach additional sheets if necessary*): ____

SECTION 6: WATER MANAGEMENT

A. Diversion and Conveyance

What equipment will you use to pump water from your well(s)?

- Pump (give horsepower and type): 150 HP with American Turbine pump.
- Other means (describe): ____

Provide a description of the proposed means of diversion, construction, and operation of the diversion works and conveyance of water. Diversion will include the existing well and existing 150 HP motor and American Turbine pump. The well and pump supplies a 10" above ground steel mainline that crosses McDonald road in a culvert and flows South to the property requesting water. Greg Bingaman has a farming lease to all of the mapped property. Greg Bingaman will supply the water and labor etc, as well as place linear sprinklers on the proposed land. New mainlines will distribute the water on the lands so that the corners will be irrigated. There may be a few wheel lines to irrigate the irregular portions of the land.

B. Application Method

What equipment and method of application will be used? (e.g., drip, wheel line, high-pressure sprinkler) (*attach additional sheets if necessary*)

Probably low pressure linear sprinklers with a few wheel lines.

C. Conservation

Please describe why the amount of water requested is needed and measures you propose to: prevent waste; measure the amount of water diverted; prevent damage to aquatic life and riparian habitat; prevent the discharge of contaminated water to a surface stream; prevent adverse impact to public uses of affected surface waters (*attach additional sheets if necessary*).

We are requesting a rate of 1/60th instead of 1/80th because of the dry eastern Oregon climate. A rate of 1/80th is not enough water for some of the desirable crops to be grown.

SECTION 7: PROJECT SCHEDULE

- a) Date construction will begin: March 2020
- b) Date construction will be completed: July 2022
- c) Date beneficial water use will begin: June 2025

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SECTION 8: RESOURCE PROTECTION

In granting permission to use water the state encourages, and in some instances requires, careful control of activities that may affect adjacent waterway or streamside area. See instruction guide for a list of possible permit requirements from other agencies. Please indicate any of the practices you plan to undertake to protect water resources.

NA Water quality will be protected by preventing erosion and run-off of waste or chemical products.

Describe: The well is existing and the only excavation required will be to bury mainline and hook to the existing 10" mainline.

NA Excavation or clearing of banks will be kept to a minimum to protect riparian or streamside areas.

Note: If disturbed area is greater than one acre, applicant should contact the Oregon Department of Environmental Quality to determine if a 1200C permit is required.

Describe planned actions and additional permits required for project implementation: No banks to be excavated.

NA Other state and federal permits or contracts required and to be obtained, if a water right permit is granted:

List: _____

SECTION 9: WITHIN A DISTRICT

Check here if the point of appropriation (POA) or place of use (POU) are located within or served by an irrigation or other water district.

Irrigation District Name	Address	
City	State	Zip

SECTION 10: REMARKS

Use this space to clarify any information you have provided in the application (*attach additional sheets if necessary*).

This application is for an existing point of appropriation that currently produces around 1700 GPM. We are applying for a rate of 1/60th due to the dry climate of Eastern Oregon. There have been discussions with the Union County Watermaster, Shad Hatton and he agrees that 1/80th is not enough for our dry climate. Very little construction needs to be done with the exception of the mainlines. The Well is in place, with a pump and motor, as well as a Totalizing meter, and past reporting has also been done. There is also a well test on file that has been accepted by Water Resources, under C-89503.

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Minimum Requirements Checklist

Minimum Requirements (OAR 690-310-0040, OAR 690-310-0050 & ORS 537.140)

Include this checklist with the application

Check that each of the following items is included. The application will be returned if all required items are not included. If you have questions, please call the Water Rights Customer Service Group at (503) 986-0900.

Please submit the original application and signatures to the Water Resources Department. Applicants are encouraged to keep a copy of the completed application.

- x SECTION 1: Applicant Information and Signature
- x SECTION 2: Property Ownership
- x SECTION 3: Well Development
- x SECTION 4: Sensitive, Threatened or Endangered Fish Species Public Interest Information
- x SECTION 5: Water Use
- x SECTION 6: Water Management
- x SECTION 7: Project Schedule
- x SECTION 8: Resource Protection
- NA SECTION 9: Within a District
- x SECTION 10: Remarks

Include the following additional items:

- x Land Use Information Form with approval and signature of local planning department (*must be an original*) or signed receipt.
- x Provide the legal description of: (1) the property from which the water is to be diverted, (2) any property crossed by the proposed ditch, canal or other work, and (3) any property on which the water is to be used as depicted on the map.
- Fees - Amount enclosed: \$ 3,960.00 _____
See the Department's Fee Schedule at www.oregon.gov/owrd or call (503) 986-0900.
- x Map that includes the following items:
 - x Permanent quality and drawn in ink
 - x Even map scale not less than 4" = 1 mile (example: 1" = 400 ft, 1" = 1320 ft, etc.)
 - x North Directional Symbol
 - x Township, Range, Section, Quarter/Quarter, Tax Lots
 - x Reference corner on map
 - x Location of each diversion, by reference to a recognized public land survey corner (distances north/south and east/west)
 - x Indicate the area of use by Quarter/Quarter and tax lot identified clearly.
 - x Number of acres per Quarter/Quarter and hatching to indicate area of use if for primary irrigation, supplemental irrigation, or nursery
 - x Location of main canals, ditches, pipelines or flumes (if well is outside of the area of use)

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Note: In addition to a groundwater application, a standard reservoir application is required to store groundwater in a reservoir. If an applicant proposes to divert water from a reservoir, a surface water application is also required.

Land Use Information Form



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

Applicant(s): Gregory L. Bingaman

Mailing Address: 64088 McDonald Lane

City: La Grande

State: Oregon Zip Code: 97850

Daytime Phone: 541-786-1000

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:
<u>2S</u>	<u>38E</u>	<u>12</u>	_____	<u>2301</u>	_____ <u>EFU</u>	<input checked="" type="checkbox"/> Diverted <input type="checkbox"/> Conveyed <input type="checkbox"/> Used	_____
<u>2s</u>	<u>38E</u>	<u>13 & 14</u>	_____	<u>3400</u>	_____ <u>EFU</u>	<input type="checkbox"/> Diverted <input checked="" type="checkbox"/> Conveyed <input checked="" type="checkbox"/> Used	_____
<u>2S</u>	<u>38E</u>	<u>14</u>	_____	<u>3700 & 4000</u>	_____ <u>EFU</u>	<input type="checkbox"/> Diverted <input checked="" type="checkbox"/> Conveyed <input checked="" type="checkbox"/> Used	_____
<u>2S</u>	<u>38E</u>	<u>14</u>	_____	<u>4100</u>	_____ <u>EFU</u>	<input type="checkbox"/> Diverted <input checked="" type="checkbox"/> Conveyed <input checked="" type="checkbox"/> Used	_____

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

UNION COUNTY

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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: 5.18 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:

Mr. Bingaman leases lands listed as TLs. 3400, 3700, 4000, and 4100 from SPECKHART FARMS INC. Greg Bingaman intends to use his existing deep Basalt well to irrigate the above lands which he has leased.

Note to applicant: If the Land Use Information Form cannot be completed while you wait, please have a local government representative sign the receipt at the bottom of the next page and include it with the application filed with the Water Resources Department.

See bottom of Page 3. →

6-10094

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): UCZPSO Sec. 24.01
- 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:	
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being Pursued <input type="checkbox"/> 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.

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Name: Stacy Warren Title: Associate Planner

Signature: *Stacy Warren* Phone: 541-963-1014 Date: Dec. 10, 2019

Government Entity: Union County Planning

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: _____

TL 3700

NS

992967



Mary Virginia Koza
 63850 McDonald Ln.
 LaGrande, Oregon 97850
 Speckhart Farms Inc.
 63970 McDonald Ln.
 LaGrande, Oregon 97850
 After recording, return to (Name, Address, Zip):
 Speckhart Farms Inc.
 63970 McDonald Ln.
 LaGrande, Oregon 97850
 Until requested otherwise, send all tax statements to (Name, Address, Zip):
 Same as above

SPACE RESERVED FOR RECORDER'S USE

STATE OF OREGON,
 County of Union } ss.
 I certify that the within instrument was received for record on the _____ day of _____, 19____, at _____ o'clock _____ M., and recorded in book/reel/volume No. _____ on page _____ and/or as fee/file/instrument/microfilm/reception No. _____, Records of said County.
 Witness my hand and seal of County affixed.
 _____ NAME TITLE
 By _____, Deputy.

BARGAIN AND SALE DEED - STATUTORY FORM (INDIVIDUAL GRANTOR)

Mary Virginia Koza _____, Grantor,
 conveys to Speckhart Farms Inc. _____, Grantee,
 the following real property situated in Union _____ County, Oregon, to-wit:

see exhibit "A" attached

(IF SPACE INSUFFICIENT, CONTINUE DESCRIPTION ON REVERSE)

The true consideration for this conveyance is \$1.00 (Here, comply with the requirements of ORS 93.030.)

Dated this 2 day of June, 1999.

THIS INSTRUMENT WILL NOT ALLOW USE OF THE PROPERTY DESCRIBED IN THIS INSTRUMENT IN VIOLATION OF APPLICABLE LAND USE LAWS AND REGULATIONS. BEFORE SIGNING OR ACCEPTING THIS INSTRUMENT, THE PERSON ACQUIRING FEE TITLE TO THE PROPERTY SHOULD CHECK WITH THE APPROPRIATE CITY OR COUNTY PLANNING DEPARTMENT TO VERIFY APPROVED USES AND TO DETERMINE ANY LIMITS ON LAWSUITS AGAINST FARMING OR FOREST PRACTICES AS DEFINED IN ORS 30.930.

Mary V. Koza

STATE OF OREGON, County of Union _____) ss.
 This instrument was acknowledged before me on 2nd Day of June, 1999,
 by Mary Koza



Margo Schlusser
 Notary Public for Oregon
 My commission expires Sept. 29, 2000

RECEIVED
 DEC 16 2000
 OWRD

6-10094

LEGAL DESCRIPTION
Koza to Speckhart Farms Inc.

A parcel of land situated in the Northeast Quarter of the Northeast Quarter of Section 14, Township 2 South, Range 38 East of the Willamette Meridian, more particularly described as follows with reference to Minor Partition Plat Number 1999-12, as filed in the Union County Plat records;

All of the Northeast Quarter of the Northeast Quarter of Section 14, Township 2 South, Range 38 East of the Willamette Meridian, **EXCEPT THE FOLLOWING:**

Exception:

All of Parcel Number 1 of Minor Land Partition Number 1999-12, filed as Microfilm Number 992728, filed in Plat Cabinet Number B-534 of the Union County Plat Records;

Also Excepting ;

With Reference to Minor Partition Plat Number 1999-12:

Beginning at the Northeast Corner of said Section 14, Township 2 South, Range 38 East of the Willamette Meridian;

Thence; S 0°02'30" E, along the East line of Section 14, a distance of 217.05 feet to the South line of the property conveyed to David Koza and Mary Virginia Koza in deed document Microfilm Number 75982 as filed in the Union County Deed Records;

Thence; N 89°51'03" W, along said South lin of Koza property, a distance of 197.01 feet to the Southwest corner of said Koza Property;

Thence; N 0°55'17" W, along the West line of said Koza property, a distance of 216.50 feet to the intersection of the North line of said Section 14;

Thence; N 89°58'52" E, along said North line of said Section 14, a distance of 201.08 feet, to the point of beginning of this description.

Subject to roads over and across said premises as same may now exist or appear of record.

Parcel conveyed to Speckhart Farms Inc. Contains 36.2 acres more or less including roads.

STATE OF OREGON

County of Union

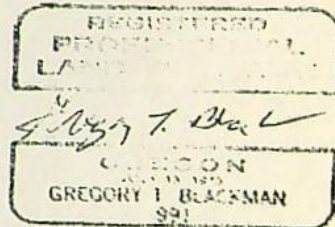
} SS

I certify that this instrument was received and recorded in the book of records of said county.

R. NELLIE BOGUE HIBBERT,
Union County Clerk

by: R. Nellie Bogue Hibbert Deputy.

DOC#: 992967
RCPT: 27303 35.00
6/02/1999 1:25 PM
REFUND: .00



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DEC 16 2001

OWRD



1 Personally appeared the above named HELEN JEAN SPECKHART and
2 acknowledged the foregoing instrument to be her voluntary act. Before



Maria E. Blarman
Notary Public for Oregon
My Commission Expires: 2/10/84

7 Until a change is requested, all tax statements shall be forwarded to:
8 Speckhart Farms, Inc., c/o Harlow Speckhart, Rt. 1, Box 1651
9 La Grande, OR 97850

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98781

County of Union }
I certify that the within instrument
in writing was received for record on
the 19 day of
Feb 1981 at 1:45
o'clock P.M. and recorded on page
- in book - Record of
Books of said County.
County Clerk
Norma Troy

RECEIVED
DEC 16 2019
OWRD

20191270

RETURN TO: Mannmen Null Lawyers PO Box 477 97850
GRANTOR: David Koza, 905 M Ave, La Grande, OR 97850
GRANTEES: Stephen A. Koza, Teresa Jean Koza, and John D. Koza
TAXES TO: Stephen A. Koza, 69624 Squire Loop, Cove, OR 97824

STATUTORY BARGAIN AND SALE DEED

DAVID KOZA, Grantor bargains, sells, and conveys to **STEPHEN A. KOZA, TERESA JEAN KOZA, AND JOHN D. KOZA**, Grantees, all Grantor's interest in the following described real property located in Union County, Oregon:

SEE EXHIBIT "A" ATTACHED

The true and actual consideration for this conveyance is estate planning.
BEFORE SIGNING OR ACCEPTING THIS INSTRUMENT, THE PERSON TRANSFERRING FEE TITLE SHOULD INQUIRE ABOUT THE PERSON'S RIGHTS, IF ANY, UNDER ORS 195.300, 195.301 AND 195.305 TO 195.336 AND SECTIONS 5 TO 11, CHAPTER 424, OREGON LAWS 2007, SECTIONS 2 TO 9 AND 17, CHAPTER 855, OREGON LAWS 2009, AND SECTIONS 2 TO 7, CHAPTER 8, OREGON LAWS 2010. THIS INSTRUMENT DOES NOT ALLOW USE OF THE PROPERTY DESCRIBED IN THIS INSTRUMENT IN VIOLATION OF APPLICABLE LAND USE LAWS AND REGULATIONS. BEFORE SIGNING OR ACCEPTING THIS INSTRUMENT, THE PERSON ACQUIRING FEE TITLE TO THE PROPERTY SHOULD CHECK WITH THE APPROPRIATE CITY OR COUNTY PLANNING DEPARTMENT TO VERIFY THAT THE UNIT OF LAND BEING TRANSFERRED IS A LAWFULLY ESTABLISHED LOT OR PARCEL, AS DEFINED IN ORS 92.010 OR 215.010, TO VERIFY THE APPROVED USES OF THE LOT OR PARCEL, TO DETERMINE ANY LIMITS ON LAWSUITS AGAINST FARMING OR FOREST PRACTICES, AS DEFINED IN ORS 30.930, AND TO INQUIRE ABOUT THE RIGHTS OF NEIGHBORING PROPERTY OWNERS, IF ANY, UNDER ORS 195.300, 195.301 AND 195.305 TO 195.336 AND SECTIONS 5 TO 11, CHAPTER 424, OREGON LAWS 2007, SECTIONS 2 TO 9 AND 17, CHAPTER 855, OREGON LAWS 2009, AND SECTIONS 2 TO 7, CHAPTER 8, OREGON LAWS 2010.

Dated this 24 day of MAY, 2019

[Signature]
DAVID KOZA

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DEC 16 2019

STATE OF OREGON)
) ss.
County of Union)

OWRD

On May 24th, 2019, before me personally appeared David Koza, and acknowledged the foregoing instrument to be his voluntary act and deed.

[Signature]

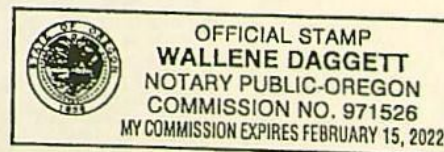


EXHIBIT "A"

TRACT 1

TL-4000

The southeast quarter of the northeast quarter of Section 14, Township 2 South, Range 38 East of the Willamette Meridan.

(02S38-4000 Ref #6407)

TRACT 2

TL 4100

The northeast quarter of southeast quarter of Section 14, Township 2 South, Range 38 East of the Willamette Meridian, EXCEPTING the South 60 feet thereof.

(02S38-4100 Ref#6403)

STATE OF OREGON

County of Union

SS

I certify that this instrument was received and recorded in the book of records of said county.

ROBIN A. CHURCH

Union County Clerk

by *Susan Lusk* Deputy.

DOC#: 20191270
RCPT: 192377 95.00
5/28/2019 10:00 AM
REFUND: .00

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DEC 16 2019

OWRD



98781^M

BARGAIN AND SALE DEED

1
2 HELEN JEAN SPECKHART conveys to SPECKHART FARMS, INC., all of
3 her right, title and interest in that real property described as:

4 TRACT I

5 ^M The south half of northwest quarter, the
6 *TL 3900* north half of southwest quarter, the southwest
7 quarter of northeast quarter and the northwest
8 quarter of southeast quarter of Section 14, Town-
ship 2 South, Range 38 East of the Willamette
Meridian; SUBJECT TO roads over and across the
north and west sides thereof.

9 TRACT II

10 ^M The west half of west half of Section 13 and
11 the southeast quarter of southeast quarter and
12 *TL 3400* the South 60 feet of northeast quarter of south-
13 east quarter of Section 14^M Township 2 South,
14 Range 38 East of the Willamette Meridian; SUBJECT
15 TO road over and across the north side thereof,
and EXCEPTING THEREFROM:
Beginning at the northeast corner of the west half
of west half of said Section 13, and running thence
West 28 rods; thence South 10 rods; thence East 28
rods; thence North 10 rods to the place of beginning.

16 TRACT III

17 ^M Beginning at the southwest corner of the north-
18 east quarter of southwest quarter of Section 33,
19 Township 1 South, Range 38 East of the Willamette
20 Meridian; thence North 20 rods; thence east
21 parallel with the south line of said Section 33
22 a distance of 160 rods; thence South 20 rods
23 to the southeast corner of the northeast quarter
24 of southwest quarter of said Section 33; thence
west along the south line of said section 160
rods to the place of beginning. Being the South
20 rods of the northeast quarter of southwest quarter
and the South 20 rods of the northwest quarter of
southeast quarter of Section 33, Township 1 South,
Range 38 EWM.

25 ALL SITUATE IN Union County, State of Oregon.

26 The true and actual consideration for this transfer is stock in
Speckhart Farms, Inc.

27 DATED this 9th day of February, 1981.

28 *Helen Jean Speckhart*
29 HELEN JEAN SPECKHART

30 STATE OF OREGON)
31 COUNTY OF UNION) ss:
32 February 9th, 1981

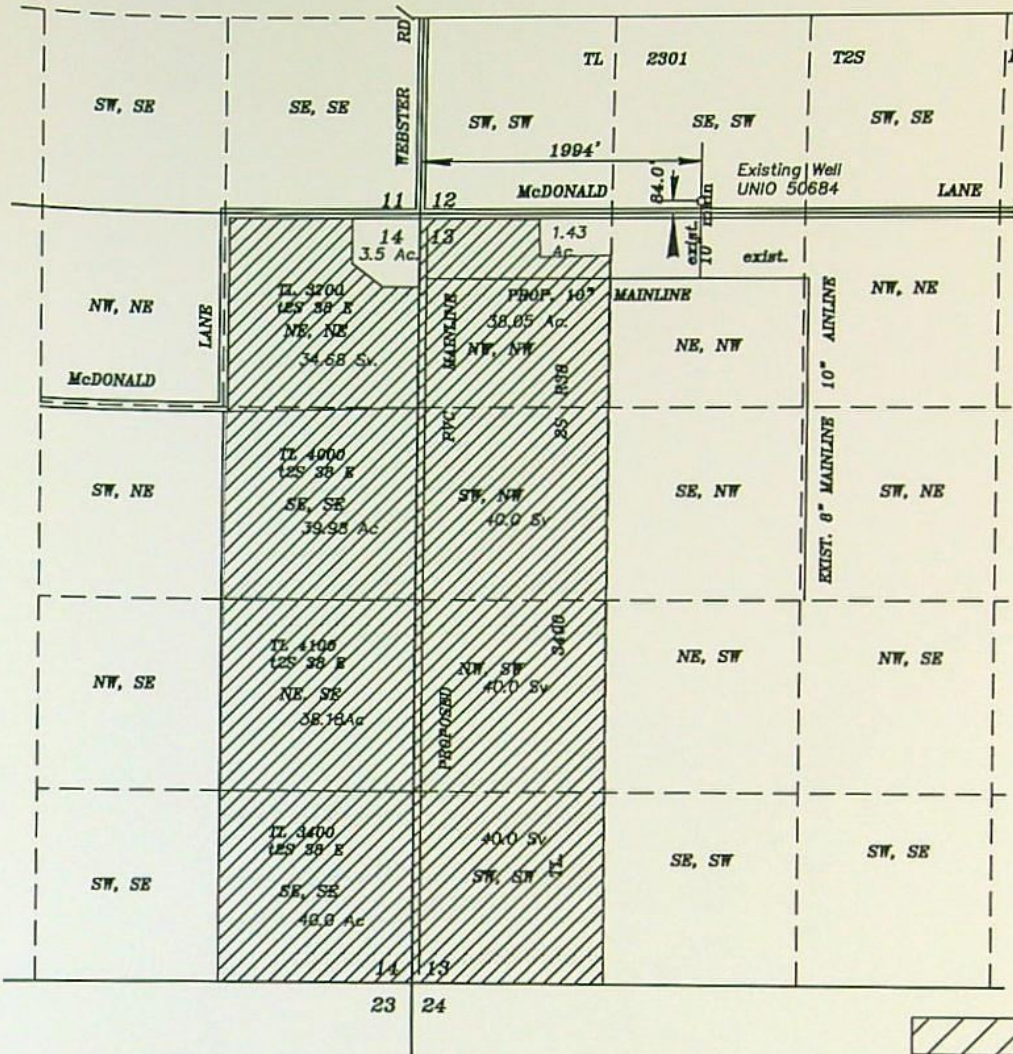
Page ONE--Bargain & Sale Deed

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DEC 16 2019

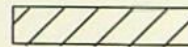
OWRD

T 2 S R 38 E



SCALE: 1"=1320'

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DEC 16 2019
OWRD



Lands requesting primary water from well UNIO 50684.

Proposed point of diversion is authorized under Certificate No. 89503 shown. POD located at a point 84" North and 1994" East from the SW Corner of Section 12, T2S R 38 E, WM. This point of diversion is existing and is a working Basalt Well, well log UNIO 50684 with a priority date of January 31, 2003.



NOVEMBER 21, 2019
APPLICATION MAP FOR
IRRIGATION OF LANDS
FROM AN EXISTING
BASALT WELL
FOR
GREG BINGAMAN

BY
GREG BLACKMAN WATER RIGHTS
126 RIDGE DRIVE
LA GRANDE, OREGON 97850

APPLICATION NO. _____

PERMIT NO. _____

NOTE: The preparation of this map was for the purpose of identifying the location of the proposed water right and has no intent to provide dimensions or location of property ownership lines. Location information shown hereon was furnished by the applicant.

G-10094

EXHIBIT "A"

PARCEL I:

The north half of southeast quarter of Section 32 in Township 1 South, Range 39 East of the Willamette Meridian; SUBJECT TO roads over and across the north and west sides thereof and utility easements as same may now exist or appear of record.

SITUATE IN the County of Union, State of Oregon.

PARCEL II:

TAX LOTS 1300 and 1400

All of Lots (or tracts) of Lots one (1), two (2), and three (3) of RIVERSIDE ORCHARD TRACTS, Grande Ronde Valley, Oregon, Union County, Oregon, according to the recorded plat thereof and situated in Section 29, Township 1 South, Range 39 East of the Willamette Meridian, Union County, Oregon

TAX LOT 10400

All of the northeast quarter (NE 1/4) of Section 32 and the west 16 acres of the northwest quarter of Section thirty-three (33), all in township 1 South, Range 39 East of the Willamette Meridian, Union County, Oregon; except a portion of land conveyed to Elwyn Bingaman, Union County deed book 149, Page 428, and excepting that portion of the northeast quarter of Section 32 lying northerly of the Grande Ronde River;

All of that portion of the southeast quarter of the southeast quarter (SE 1/4) (SE 1/4) of Section twenty-nine (29) and all of that portion of the southwest quarter of the southwest quarter (SW 1/4) (SW 1/4) of Section twenty-eight (28) lying southerly of the Grande Ronde River and westerly of the west line of the 16-acre parcel (described above) in the northwest quarter of Section 33 as said line is extended northerly to the said Grande Ronde River, all situated in Township 1 South, Range 39 East of the Willamette Meridian, Union County, Oregon.

PARCEL III:

Part of TL #2300,

The South half of the South half (S 1/2 of S 1/2) of Section 12, being situated in Township 2 South, Range 38 East of the Willamette Meridian, Union County, Oregon, SUBJECT TO County road.

RECEIVED

DEC 16 2019

OWRD

TL-2301

PARCEL IV:

The southeast quarter (SE 1/4) of Section Thirty (30), Township 1 South, Range 39 East of the Willamette Meridian (\$47,500.00). SUBJECT TO county road.

PARCEL V:

The south half of the southeast quarter (S 1/2, SE 1/4) of Section two (2), Township 2 South, Range 38 east of the Willamette Meridian, SUBJECT TO county road (\$27,000.00).

PARCEL VI:

An undivided one-half (1/2) interest in the following described property:

Lots 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18 and 19 in IMBLER FRUIT COLONY TRACT in Union County, Oregon, according to the recorded plat thereof. Also one square acre tract in the southeast corner of the southwest quarter of Section 32, Township 1 South, Range 39 East of the Willamette Meridian, bounded as follows:

Commencing at the southeast corner of the southwest quarter of said Section 32; running thence West 208.71 feet; thence North 208.71 feet; thence East 208.71 feet; thence South 208.71 feet to the place of beginning, all of the above land being situated in the southwest quarter of Section 32, Township 1 South, Range 39 East of the Willamette Meridian.

PARCEL VII:

An undivided one-half (1/2) interest in the following described property:

Commencing at the northeast corner of the northeast quarter of the southwest quarter of Section 32, in Township 1 South, Range 39 East of the Willamette Meridian; running thence West 24.07 chains to the right of way of the Oregon-Washington Railroad and Navigation Company (Elgin Branch); thence in a southwesterly direction along the easterly line of said railroad right of way 19.86 chains; thence East 28.956 chains to the quarter section line running north and south through said section; thence north along said quarter section line 19.25 chains to the place of beginning. Situated in the north half of the southwest quarter of Section 32, Township 1 South, Range 39 East of the Willamette Meridian.

SITUATE in the county of Union, State of Oregon.

STATE OF OREGON

County of Union

SS

I certify that this instrument was received and recorded in the book of records of said county.

ROBINA A. CHURCH

Union County Clerk

by *[Signature]* Deputy.

DOC# 20113714

RCPT: 153668 55.00

11/29/2011 9:30 AM

REFUND: .00

RECEIVED

DEC 16 2011

OWRD

TZ 2301

55

11-2182A

20113714

After recording return to:
Eastern Oregon Title, Inc.
1601 Adams Avenue
La Grande, Oregon 97850

Until a change is requested all tax statements shall be sent to the following address:
Gregory L. Bingaman
64088 McDonald Lane
La Grande, OR 97850

STATUTORY WARRANTY DEED

Elwyn D. Bingaman, Grantor, conveys and warrants to Gregory L. Bingaman, Grantee, the following described real property free of liens and encumbrances, except as specifically set forth herein:

SEE EXHIBIT "A" ATTACHED HERETO FOR DETAILED LEGAL DESCRIPTION

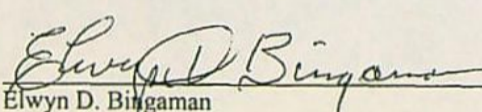
This property is free from liens and encumbrances, EXCEPT:

Those of record

"BEFORE SIGNING OR ACCEPTING THIS INSTRUMENT, THE PERSON TRANSFERRING FEE TITLE SHOULD INQUIRE ABOUT THE PERSON'S RIGHTS, IF ANY, UNDER ORS 195.300, 195.301 AND 195.305 TO 195.336 AND SECTIONS 5 TO 11, CHAPTER 424, OREGON LAWS 2007, AND SECTIONS 2 TO 9 AND 17, CHAPTER 855, OREGON LAWS 2009. THIS INSTRUMENT DOES NOT ALLOW USE OF THE PROPERTY DESCRIBED IN THIS INSTRUMENT IN VIOLATION OF APPLICABLE LAND USE LAWS AND REGULATIONS. BEFORE SIGNING OR ACCEPTING THIS INSTRUMENT, THE PERSON ACQUIRING FEE TITLE TO THE PROPERTY SHOULD CHECK WITH THE APPROPRIATE CITY OR COUNTY PLANNING DEPARTMENT TO VERIFY THAT THE UNIT OF LAND BEING TRANSFERRED IS A LAWFULLY ESTABLISHED LOT OR PARCEL, AS DEFINED IN ORS 92.010 OR 215.010, TO VERIFY THE APPROVED USES OF THE LOT OR PARCEL, TO DETERMINE ANY LIMITS ON LAWSUITS AGAINST FARMING OR FOREST PRACTICES, AS DEFINED IN ORS 30.930, AND TO INQUIRE ABOUT THE RIGHTS OF NEIGHBORING PROPERTY OWNERS, IF ANY, UNDER ORS 195.300, 195.301 AND 195.305 TO 195.336 AND SECTIONS 5 TO 11, CHAPTER 424, OREGON LAWS 2007, AND SECTIONS 2 TO 9 AND 17, CHAPTER 855, OREGON LAWS 2009."

The true consideration for this conveyance is \$601,680.00. (Here comply with requirements of ORS 93.030)

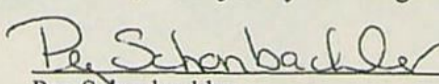
Dated this 25 day of November, 2011.

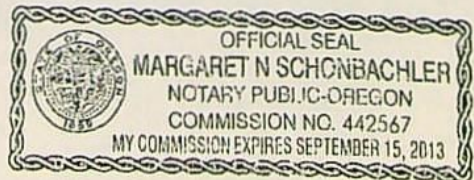

Elwyn D. Bingaman

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DEC 16 2019
OWRD

STATE OF OREGON)
)ss.
COUNTY OF UNION)

Signed or attested before me on this 25 day of November, 2011 by Elwyn D. Bingaman.


Peg Schonbachler
Notary Public for the State of Oregon
My commission expires: September 15, 2013





Oregon Water Resources Department
Groundwater Application

[Main](#)
[Help](#)
[Return](#)
[Contact Us](#)

Today's Date: Monday, December 9, 2019

Base Application Fee.		\$1,340.00
Number of proposed cubic feet per second (cfs) to be appropriated. (1 cfs = 448.83 gallons per minute)	5.180	\$2,100.00
Number of proposed Use's for the appropriated water. (i.e. Irrigation, Supplemental Irrigation, Pond Maintenance, Industrial, Commercial, etc) *	1	
Number of proposed groundwater points of appropriation. (i.e. number of wells) (include all injection wells, if applicable) **	1	
Subtotal:		\$3,440.00
Permit Recording Fee. ***		\$520.00
* the 1st Water Use is included in the base cost. ** the 1st groundwater point of appropriation is included in the base cost. *** the Permit Recording Fee is not required when the application is submitted but, must be paid before a permit will be issued. It is fully refundable if a permit is not issued. If the recording fee is not paid prior to issuance of the Final Order, permit issuance will be delayed.	Recalculate	
Estimated cost of Permit Application		\$3,960.00

6-10094



Oregon
Kate Brown, Governor

Water Resources Department

725 Summer St NE, Suite A

Salem, OR 97301

(503) 986-0900

Fax (503) 986-0904

December 17, 2019

Dear Applicant:

The Oregon Water Resources Department has received your groundwater applications for a water use permit. Your applications has been assigned file number G-18894, and G-18895. Please refer to this number when contacting the Department. Should you have any questions about your applications, please contact the following Water Rights Specialist assigned to your applications:

Lisa Graham, Water Rights Specialist	Phone: 503-986-0808
	Email: elisabeth.a.graham@oregon.gov

A description of the steps that are used for processing a water right application are shown on the reverse side of this letter.

The first step in the water rights process is the completion of a groundwater review by the Department. This review can take approximately 6-9 months to complete, sometimes longer. Once the groundwater review is completed, you will receive a copy of an Initial Review that summarizes the Department's preliminary determinations. Copies of the Proposed Final Order and Final Order will also be mailed to you.

Please note that your application is subject to review and comment from other state agencies and interested parties.

Sincerely,

Cory Middleton
Customer Service Representative
Oregon Water Resources Department

cc: File

Gregory Blackman, Agent

COPY

Water-Use Permit Application Processing Steps

Oregon Water Resources Department

1. Initial Review

The Department reviews the application to determine whether water is available during the period requested, whether the proposed use is restricted or limited by rule or statute, and whether other issues may preclude approval of or restrict the proposed use. An Initial Review (IR) containing preliminary determinations is mailed to the applicant. The applicant has 14 days from the mailing date to withdraw the application from further processing and receive a refund of all fees paid minus \$260. The applicant may put the application on hold for up to 180 days and may request additional time if necessary.

2. Public Notice

Within 7 days of the mailing of the initial review, the Department gives public notice of the application in the weekly notice published by the Department at www.oregon.gov/owrd. The public comment period is 30 days from publication in the weekly notice.

3. Proposed Final Order Issued

The Department reviews any comments received, including comments from other state agencies related to the protection of sensitive, threatened or endangered fish species. Within 60 days of completion of the Initial Review, the Department issues a Proposed Final Order (PFO) explaining the proposed decision to deny or approve the application. A PFO proposing approval of an application will include a draft permit, and may request additional information or outstanding fees required prior to permit issuance.

4. Public Notice

Within 7 days of issuing the PFO, the Department gives public notice in the weekly notice. Notice includes information about the application and the PFO. Protest must be received by the Department within 45 days after publication of the PFO in the weekly notice. Anyone may file a protest. The protest filing fee is \$410.00 for the applicant and \$810.00 for non-applicants. Protests are filed on approximately 10 percent of Proposed Final Orders. If a protest is filed the Department will attempt to settle the protest but will schedule a contested case hearing if necessary.

5. Final Order Issued

If no protests are filed, the Department can issue a Final Order within 60 days of the close of the period for receiving protest. If the application is approved, a permit is issued. The permit will specify the details of the authorized use and any terms, limitations or conditions that the Department deems appropriate.