

NOV 26 2019

OWRD



State of Oregon
Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301-1266
(503) 986-0900

Application for Permanent Water Right Transfer

Part 1 of 5 – Minimum Requirements Checklist

This transfer application will be returned if Parts 1 through 5 and all required attachments are not completed and included.

For questions, please call (503) 986-0900, and ask for Transfer Section.

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

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- Part 1 – Completed Minimum Requirements Checklist.
- Part 2 – Completed Transfer Application Map Checklist.
- Part 3 – Application Fee, payable by check to the Oregon Water Resources Department, and completed Fee Worksheet, page 3. Try the new online fee calculator at: http://apps.wrd.state.or.us/apps/misc/wrd_fee_calculator. If you have questions, call Customer Service at (503) 986-0801.
- Part 4 – Completed Applicant Information and Signature.
- Part 5 – Information about Water Rights to be Transferred: **How many water rights are to be transferred? 2 List them here: Certificate 45 and Certificate 47**
Please include a separate Part 5 for each water right. (See instructions on page 6)

Attachments:

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

(For Staff Use Only)

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

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

Other/Explanation _____

Staff: _____ 503-986-0 _____

Date: ____ / ____ / ____

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

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

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

Part 4 of 5 – Applicant Information and Signature

Applicant Information

APPLICANT/BUSINESS NAME Andrew Hendricks and Kelsey Hendricks		PHONE NO. 1 509 520 0953	ADDITIONAL CONTACT NO.
ADDRESS 85091 Edwards Road			FAX NO.
CITY Milton Freewater	STATE OR	ZIP 97862	E-MAIL
BY PROVIDING AN E-MAIL ADDRESS, CONSENT IS GIVEN TO RECEIVE ALL CORRESPONDENCE FROM THE DEPARTMENT ELECTRONICALLY. COPIES OF THE FINAL ORDER DOCUMENTS WILL ALSO BE MAILED.			

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

AGENT/BUSINESS NAME		PHONE NO.	ADDITIONAL CONTACT NO.
ADDRESS			FAX NO.
CITY	STATE	ZIP	E-MAIL
BY PROVIDING AN E-MAIL ADDRESS, CONSENT IS GIVEN TO RECEIVE ALL CORRESPONDENCE FROM THE DEPARTMENT ELECTRONICALLY. COPIES OF THE FINAL ORDER DOCUMENTS WILL ALSO BE MAILED.			

Explain in your own words what you propose to accomplish with this transfer application, and why:
This transfer will allow us to use a shallow well for the point of diversion of irrigation water from Mud Creek authorized under Water Right Certificates 45 & 47. Certificate 45 has priority dates of 1890 and 1905 and Certificate 47 has a priority date of 1890. Neither certificate states the location of the point(s) of diversion. When we acquired our farm, the water authorized by Certificates 45 and 47 was being pumped from a shallow well on the property. We have continued to use this point of diversion (POD). This transfer will acknowledge and authorize the shallow well as the POD for the irrigation water for our property authorized by Certificates 45 and 47.

If you need additional space, continue on a separate piece of paper and attach to the application as "Attachment 1".

Check this box if this project is fully or partially funded by the American Recovery and Reinvestment Act. (Federal stimulus dollars)

Check One Box

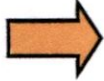
- By signing this application, I understand that, upon receipt of the draft preliminary determination and prior to Department approval of the transfer, I will be required to provide landownership information and evidence that I am authorized to pursue the transfer as identified in OAR 690-380-4010(5); **OR**
- I affirm the applicant is a municipality as defined in ORS 540.510(3)(b) and that the right is in the name of the municipality or a predecessor; **OR**
- I affirm the applicant is an entity with the authority to condemn property and is acquiring by condemnation the property to which the water right proposed for transfer is appurtenant and have supporting documentation.

By my signature below, I confirm that I understand:

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- Prior to Department approval of the transfer application, I may be required to submit payment to the Department for publication of a notice in a newspaper with general circulation in the area where the water right is located, once per week for two consecutive weeks. If more than one qualifying newspaper is available, I suggest publishing the notice in the following newspaper: [East Oregonian](#).
- Amendments to the application may only be made in response to the Department's Draft Preliminary Determination (DPD). The applicant will have a period of at least 30 days to amend the application to address any issues identified by the Department in the DPD, or to withdraw the application. Note that amendments may be subject to additional fees, pursuant to ORS 536.050.
- Failure to complete an approved change in place of use and/or change in character of use, will result in loss of the water right (OAR 690-380-6010).

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



Andrew Hendricks
Applicant signature

Andrew Hendricks
Print Name (and Title if applicable)

11/18/19
Date

Kelsey Hendricks
Applicant signature

Kelsey Hendricks
Print Name (and Title if applicable)

11/18/19
Date

Is the applicant the sole owner of the land on which the water right, or portion thereof, proposed for transfer is located? Yes No *If NO, include signatures of all deeded landowners (and mailing and/or e-mail addresses if different than the applicant's) or attach affidavits of consent (and mailing and/or e-mail addresses) from all landowners or individuals/entities to which the water right(s) were conveyed.*

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Check the following boxes that apply:

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

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

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

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

<http://www.oregon.gov/owrd/docs/transfer-propertytransactions.pdf>

RECEIVING LANDOWNER NAME Not Applicable			PHONE NO.	ADDITIONAL CONTACT NO.
ADDRESS				FAX NO.
CITY	STATE	ZIP	E-MAIL	

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Describe any special ownership circumstances here: None

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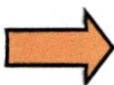
- Check here if any of the water rights proposed for transfer are or will be located within or served by an irrigation or other water district. (Tip: Complete and attach Supplemental Form D.)

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IRRIGATION DISTRICT NAME Not Applicable	ADDRESS	
CITY	STATE	ZIP

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

ENTITY NAME Not Applicable	ADDRESS	
CITY	STATE	ZIP



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

ENTITY NAME UMATILLA COUNTY	ADDRESS 216 SE 4th Street	
CITY PENDELTON	STATE OR	ZIP 97801

ENTITY NAME	ADDRESS	
CITY	STATE	ZIP

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Part 5 of 5 – Water Right Information

Please use a separate Part 5 for each water right being changed. See instructions on page 6, to copy and paste additional Part 5s, or to add additional rows to tables within the form.

CERTIFICATE # 45

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Description of Water Delivery System

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System capacity: _____ cubic feet per second (cfs) **OR**
220 gallons per minute (gpm)

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Describe the current water delivery system or the system that was in place at some time within the last five years. Include information on the pumps, canals, pipelines, and sprinklers used to divert, convey, and apply the water at the authorized place of use. **The water delivery system consists of a shallow well with a 15 hp submersible pump. Water is pumped into buried 4" mainlines, one running east and west and one running north and south. Portable handlines are used to irrigate the ground.**

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

POD/POA Name or Number	Is this POD/POA Authorized on the Certificate or is it Proposed?	If POA, OWRD Well Log ID# (or Well ID Tag # L-___)	Twp		Rng		Sec	¼ ¼		Tax Lot, DLC or Gov't Lot	Measured Distances (from a recognized survey corner)
Original POD	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	NA									Unknown
Well POD	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed		6	N	35	E	20	NE	SE	1600	2000' N and 1080' W from the SE Corner of Sec 20
	<input type="checkbox"/> Authorized <input type="checkbox"/> Proposed										
	<input type="checkbox"/> Authorized <input type="checkbox"/> Proposed										

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

- | | |
|---|---|
| <input type="checkbox"/> Place of Use (POU) | <input type="checkbox"/> Supplemental Use to Primary Use (S to P) |
| <input type="checkbox"/> Character of Use (USE) | <input type="checkbox"/> Point of Appropriation/Well (POA) |
| <input type="checkbox"/> Point of Diversion (POD) | <input type="checkbox"/> Additional Point of Appropriation (APOA) |
| <input type="checkbox"/> Additional Point of Diversion (APOD) | <input type="checkbox"/> Substitution (SUB) |
| <input checked="" type="checkbox"/> Surface Water POD to Ground Water POA (SW/GW) | <input type="checkbox"/> Government Action POD (GOV) |

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

- Yes Complete only the Proposed ("to" or "on" lands) section of Table 2 on the next page. Use the "CODES" listed above to describe the proposed changes.
- No Complete all of Table 2 to describe the portion of the water right to be changed.

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

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

Table 2. Description of Changes to Water Right Certificate # 45

List the change proposed for the acreage in each 1/4 1/4. If more than one change is proposed, specify the acreage associated with each change.
If there is more than one POD/POA involved in the proposed changes, specify the acreage associated with each POD/POA.

AUTHORIZED (the "from" or "off" lands) The listing that appears on the certificate BEFORE PROPOSED CHANGES List only that part or portion of the water right that will be changed.											Proposed Changes (see "CODES" from previous page)	PROPOSED (the "to" or "on" lands) The listing as it would appear AFTER PROPOSED CHANGES are made.									
Twp	Rng	Sec	1/4 1/4	Tax Lot	Gvt Lot or DLC	Acres	Type of USE listed on Certificate	POD(s) or POA(s) (name or number from Table 1)	Priority Date	Twp		Rng	Sec	1/4 1/4	Tax Lot	Gvt Lot or DLC	Acres	New Type of USE	POD(s)/ POA(s) to be used (from Table 1)	Priority Date	
EXAMPLE																					
6	N	35	E 20	SE SE	1600	2.0	Irrigation	Original POD	1890	SW/GW	6	N	35	E 20	SE SE	1600	2.0	Irrigation	Well POD	1890	
6	N	35	E 20	SE SE	1600	0.9	Irrigation	Original POD	1905	SW/GW	6	N	35	E 20	SE SE	1600	0.9	Irrigation	Well POD	1905	
TOTAL ACRES:						2.9					TOTAL ACRES:						2.9				

Additional remarks: _____

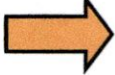
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For Place of Use or Character of Use Changes**Not Applicable**

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

If YES, list the certificate, water use permit, or ground water registration numbers: _____.

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

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

Not Applicable

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

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For a change from Supplemental Irrigation Use to Primary Irrigation Use

Not Applicable

Identify the primary certificate to be cancelled. Certificate # _____

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

- Well log(s) are attached for each authorized and proposed well(s) that are clearly labeled and associated with the corresponding well(s) in Table 1 above and on the accompanying application map.

Tip: You may search for well logs on the Department's web page at:

http://apps.wrd.state.or.us/apps/gw/well_log/Default.aspx

AND/OR

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

Table 3. Construction of Point(s) of Appropriation

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

Proposed or Authorized POA Name or Number	Is well already built? (Yes or No)	If an existing well: OWRD Well ID Tag No. L-	Total well depth	Casing Diameter	Casing intervals (feet)	Seal depth(s) (intervals)	Perforated or screened intervals (in feet)	Static water level of completed well (in feet)	Source aquifer (sand, gravel, basalt, etc.)	Well -specific rate (cfs or gpm). If less than full rate of water right
Proposed Well POD	Yes	unknown	169'	10"	unknown	unknown	unknown	56'	Alluvial well	unknown

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Part 5 of 5 – Water Right Information

Please use a separate Part 5 for each water right being changed. See instructions on page 6, to copy and paste additional Part 5s, or to add additional rows to tables within the form.

CERTIFICATE # 47

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Description of Water Delivery System

System capacity: _____ cubic feet per second (cfs) **OR**
220 gallons per minute (gpm)

Describe the current water delivery system or the system that was in place at some time within the last five years. Include information on the pumps, canals, pipelines, and sprinklers used to divert, convey, and apply the water at the authorized place of use. **The water delivery system consists of a shallow well with a 15 hp submersible pump. Water is pumped into buried 4" mainlines, one running east and west and one running north and south. Portable handlines are used to irrigate the ground.**

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

POD/POA Name or Number	Is this POD/POA Authorized on the Certificate or is it Proposed?	If POA, OWRD Well Log ID# (or Well ID Tag # L-___)	Twp	Rng	Sec	¼	¼	Tax Lot, DLC or Gov't Lot	Measured Distances (from a recognized survey corner)	
Original POD	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	NA							Unknown	
Well POD	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed		6	N	35	E	20	NE SE	1600	2000' N and 1080' W from the SE Corner of Sec 20
	<input type="checkbox"/> Authorized <input type="checkbox"/> Proposed									
	<input type="checkbox"/> Authorized <input type="checkbox"/> Proposed									

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

- | | |
|---|---|
| <input type="checkbox"/> Place of Use (POU) | <input type="checkbox"/> Supplemental Use to Primary Use (S to P) |
| <input type="checkbox"/> Character of Use (USE) | <input type="checkbox"/> Point of Appropriation/Well (POA) |
| <input type="checkbox"/> Point of Diversion (POD) | <input type="checkbox"/> Additional Point of Appropriation (APOA) |
| <input type="checkbox"/> Additional Point of Diversion (APOD) | <input type="checkbox"/> Substitution (SUB) |
| <input checked="" type="checkbox"/> Surface Water POD to Ground Water POA (SW/GW) | <input type="checkbox"/> Government Action POD (GOV) |

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

- Yes Complete only the Proposed ("to" or "on" lands) section of Table 2 on the next page. Use the "CODES" listed above to describe the proposed changes.
- No Complete all of Table 2 to describe the portion of the water right to be changed.

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

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

Table 2. Description of Changes to Water Right Certificate # 47

List the change proposed for the acreage in each 1/4 1/4. If more than one change is proposed, specify the acreage associated with each change.
If there is more than one POD/POA involved in the proposed changes, specify the acreage associated with each POD/POA.

AUTHORIZED (the "from" or "off" lands) The listing that appears on the certificate BEFORE PROPOSED CHANGES List only that part or portion of the water right that will be changed.											Proposed Changes (see "CODES" from previous page)	PROPOSED (the "to" or "on" lands) The listing as it would appear AFTER PROPOSED CHANGES are made.												
Twp	Rng	Sec	1/4	1/4	Tax Lot	Gvt Lot or DLC	Acres	Type of USE listed on Certificate	POD(s) or POA(s) (name or number from Table 1)	Priority Date		Twp	Rng	Sec	1/4	1/4	Tax Lot	Gvt Lot or DLC	Acres	New Type of USE	POD(s)/ POA(s) to be used (from Table 1)	Priority Date		
EXAMPLE																								
6	N	35	E	20	NE	SE	1600	14.4	Irrigation	Original POD	1890	SW/GW	6	N	35	E	20	NE	SE	1600	14.4	Irrigation	Well POD	1890
TOTAL ACRES:							14.4						TOTAL ACRES:							14.4				

Additional remarks: _____.

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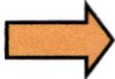
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For Place of Use or Character of Use Changes

Not Applicable

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

If YES, list the certificate, water use permit, or ground water registration numbers: _____.

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

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

Not Applicable

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

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For a change from Supplemental Irrigation Use to Primary Irrigation Use

Not Applicable

Identify the primary certificate to be cancelled. Certificate # _____

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

Well log(s) are attached for each authorized and proposed well(s) that are clearly labeled and associated with the corresponding well(s) in Table 1 above and on the accompanying application map.

Tip: You may search for well logs on the Department's web page at:

http://apps.wrd.state.or.us/apps/gw/well_log/Default.aspx

AND/OR

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

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Table 3. Construction of Point(s) of Appropriation

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

Proposed or Authorized POA Name or Number	Is well already built? (Yes or No)	If an existing well: OWRD Well ID Tag No. L-	Total well depth	Casing Diameter	Casing intervals (feet)	Seal depth(s) (intervals)	Perforated or screened intervals (in feet)	Static water level of completed well (in feet)	Source aquifer (sand, gravel, basalt, etc.)	Well -specific rate (cfs or gpm). If less than full rate of water right
Proposed Well POD	Yes	unknown	169'	10"	unknown	unknown	unknown	56'	Alluvial well	unknown

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Application for Water Right Transfer Evidence of Use Affidavit



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

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

State of Oregon)
) ss
County of UMATILLA)

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I, ANDREW HENDRICKS, in my capacity as LAND OWNER,

mailing address 85091 EDWARDS ROAD

telephone number (509)520 0953, being first duly sworn depose and say:

1. My knowledge of the exercise or status of the water right is based on (check one):

- Personal observation Professional expertise

2. I attest that:

Water was used during the previous five years on the **entire** place of use for Certificate # ____; **OR**

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

Certificate #	Township		Range		Mer	Sec	¼ ¼		Gov't Lot or DLC	Acres (if applicable)
45	6	N	35	E	WM	20	SE	SE		2.9
47	6	N	35	E	WM	20	NE	SE		14.4

OR

Confirming Certificate # ____ has been issued within the past five years; **OR**

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

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

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

(continues on reverse side)

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

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

Amber A. Hall
Signature of Affiant

11/18/19
Date

Signed and sworn to (or affirmed) before me this 18 day of Nov, 2019.

Samantha Jo Vinti
Notary Public for Oregon



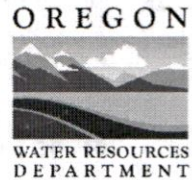
My Commission Expires: January 02, 2021

Supporting Documents	Examples
<input type="checkbox"/> Copy of a water right certificate that has been issued within the last five years. (not a remaining right certificate)	Copy of confirming water right certificate that shows issue date
<input type="checkbox"/> Copies of receipts from sales of irrigated crops or for expenditures related to use of water	<ul style="list-style-type: none"> • Power usage records for pumps associated with irrigation use • Fertilizer or seed bills related to irrigated crops • Farmers Co-op sales receipt
<input type="checkbox"/> Records such as FSA crop reports, irrigation district records, NRCS farm management plan, or records of other water suppliers	<ul style="list-style-type: none"> • District assessment records for water delivered • Crop reports submitted under a federal loan agreement • Beneficial use reports from district • IRS Farm Usage Deduction Report • Agricultural Stabilization Plan • CREP Report
<input checked="" type="checkbox"/> Aerial photos containing sufficient detail to establish location and date of photograph	<p>Multiple photos can be submitted to resolve different areas of a water right. If the photograph does not print with a "date stamp" or without the source being identified, the date of the photograph and source should be added.</p> <p>Sources for aerial photos: OSU – www.oregonexplorer.info/imagery OWRD – www.wrd.state.or.us Google Earth – earth.google.com TerraServer – www.terraserver.com</p>
<input type="checkbox"/> Approved Lease establishing beneficial use within the last 5 years	Copy of instream lease or lease number

Supplemental Form D

Water Right Transfers Within the Boundaries of or Served by an Irrigation or Other District

[For transfers submitted under OAR Chapter 690 Division 380]



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

The Department requires non-district applicants to communicate with districts during the planning and preparation of transfer applications involving water rights having a point of diversion/appropriation (POD/POA) or place of use (POU) served by or located within the boundaries of a district. In some cases district consent to the transfer will be required.

This form must be included with your transfer application if the transfer involves rights served by or located within the boundaries of a district. Use this form for either permanent or temporary transfers.

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1. APPLICANT INFORMATION

NAME ANDREW AND KELSEY HENDRICKS			PHONE (HM)
PHONE (WK) 1 509 520 0953	CELL	FAX	
ADDRESS 85091 EDWARDS ROAD			
CITY MILTON FREEWATER	STATE OR	ZIP 97862	E-MAIL**

2. DISTRICT INFORMATION

DISTRICT NAME HUDSON BAY DISTRICT IMPROVEMENT COMPANY C/O JASON ZERBA SECRETARY			PHONE (HM)
PHONE (WK) 1 541 938 6105	CELL	FAX	
ADDRESS P.O. Box 110			
CITY MILTON FREEWATER	STATE OR	ZIP 97862	E-MAIL** JASONZERBA@HOTMAIL.COM

** By providing an e-mail address, the applicant and/or the district consent to receive all correspondence from the Department electronically. Copies of final order documents will also be mailed.

3. WATER RIGHTS ISSUED IN THE NAME OF, or LOCATED WITHIN, or SERVED BY AN IRRIGATION OR OTHER DISTRICT

a. List the water right(s) involved in this transfer:

	Application / Decree	Permit / Previous Transfer	Certificate	Is the Water Right in the Name of a District or BOR*?
1.		-	45	YES <input type="checkbox"/>
2.		-	47	YES <input type="checkbox"/>
3.		-		YES <input type="checkbox"/>

Attach additional pages for additional water rights if necessary.

*Bureau of Reclamation

b. Determine a district's association with your points of diversion (POD) or appropriation (POA) and places of use (POU). [If you are uncertain how to respond to the questions, please consult the district.]

CURRENT ASSOCIATIONS Please answer the following "yes" or "no" questions:

- YES NO One or more of the current POD(s) / POA(s) involved in the transfer are served by a district or rely on Bureau of Reclamation (BOR) water.
- YES NO All or a portion of the current POU involved in this proposed transfer receives water for either primary or supplemental irrigation from the district; i.e., the POU is currently layered with a district or BOR water supplied water right(s).

PROPOSED ASSOCIATIONS Please answer the following "yes" or "no" questions:

- YES NO One or more of the proposed POD(s) / POA(s) involved in the transfer are currently served or will be served by a district if the transfer is approved, or rely on BOR water.
- YES NO All or a portion of the proposed POU involved in this proposed transfer currently receives or will receive either primary or supplemental irrigation from the district; i.e., the POU will be layered with a district or BOR water supplied water right(s).

COMMENTS OR ADDITIONAL INFORMATION ABOUT RELATIONSHIPS BETWEEN APPLICANT'S AND DISTRICT'S and/or BOR'S WATER RIGHTS

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4. APPLICANT'S SIGNATURE

(1) I certify that I have notified the district about the proposed water right transfer application by [check one]:

email, phone, postal mail, in person, or other (please specify) _____

(2) I certify that to the best of my knowledge the information contained in this Supplemental Form D is true and accurate.

Andrew G. Hendricks
Applicant's Signature

Andrew Gage Hendricks
Name (print)

11/18/19
Date

5. (WHEN REQUIRED) DISTRICT CONSENT TO THE PROPOSED WATER RIGHT TRANSFER

District consent is required if any box on this form is marked "YES."

The district certifies the following:

- (1) The district has reviewed the applicant's proposed water right transfer application and maps; and
- (2) The district consents to the proposed water right transfer application.

NA YES NO After proof of completion, the confirming water right certificate is to remain in the name of the U.S. Bureau of Reclamation or the district.

NA YES NO The district will be responsible for submitting the claim of beneficial use.

[Signature]
District Manager Signature

Jason Zerba
Name (print)

5-22-19
Date

NOV 26 2019

8019 West Quinault Avenue, Suite 201, Kennewick, WA 99336 Telephone: 509.209.2839

www.geoengineers.com

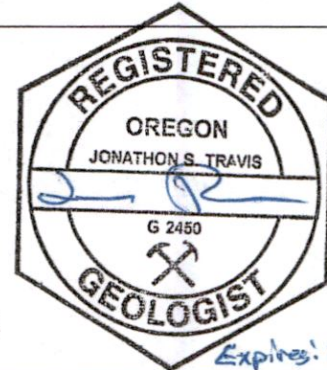
To: Gage Hendricks and Dale VanSchoiack, PE, CWRE;
DVG Consulting, PLLC

From: Jon Travis, RG, Alicia Candelaria and Molly Reid;
GeoEngineers, Inc.

Date: July 30, 2018

File: 23458-001-00

Subject: Continuity with South Branch Mud Creek Associated with
Certificates No. 45 and 47 and a well located in NE¼ SE¼
Section 20 T. 6N R35E



The purpose of this memorandum is to provide DVG Consulting, PLLC (DVG) with GeoEngineers, Inc.'s (GeoEngineers') findings with respect to hydraulic continuity between the South Branch of Mud Creek surface water right certificates 45 and 47 and a well located to the east/north east of the creek in the NE¼ SE¼, Section 20, T6N, R35E, WM. This memorandum is based on water rights and information available on-line from the Oregon Water Resources Department (OWRD) Geologic Information Portal, well logs acquired from OWRD, a recent pump installer's inspection invoice provided by the landowner, Gage Hendricks, peer reviewed and published information describing Walla Walla Basin hydrogeology, and other work GeoEngineers' staff have done in the general area.

The balance of this memorandum summarizes water rights information, our interpretation of well construction and aquifer(s) producing water, and the nature of the hydraulic continuity between the wells and the South Branch of Mud Creek.

BACKGROUND

Two water rights, Certificates 45 and 47, are associated with the South Branch of the Mud Creek and the Hendricks's property. The property is located in the Milton-Freewater area in Section 20, T6N, R25E, WM, Umatilla County. Copies of the certificates are provided in Attachment 1. The certificates provide for the use of surface water from the South Branch of Mud Creek for irrigation (Certificates 45 and 47) and domestic use (Certificate 47). Neither certificate indicates a definitive point of diversion. A well located on the Hendricks property is being proposed as the point of diversion. The well location with respect to the South Branch of Mud Creek is provided in Attachment 2.

GEOHYDROLOGY

The South Branch of Mud Creek is a tributary of the Walla Walla River. In general, it is predominately ephemeral flow influenced by precipitation and irrigation practices. The stream channel has been modified in the area surrounding the Hendricks property to accommodate anthropogenic practices such as road placement, field and farming practices, and locations of pastures. Near Hendricks' property it flows from the southeast to the northwest. Geoengineers did not find an available stream gage record for the Mud Creek in Oregon.

The general geohydrology of the Walla Walla River Basin is characterized by a distributary river system and underlying alluvial aquifer system (alluvial aquifer) (Newcomb 1965). The distributary river system is comprised of streams and channels that branch out into multiple channels as the Walla Walla River, and larger streams

Memorandum to Gage Hendricks and Dale VanSchoiack
July 30, 2018
Page 2

like Mill Creek and Cottonwood Creek exit the highlands bordering the basin. These distributary channels wind their way from higher elevations to lower elevations, generally from east to west, before rejoining the main Walla Walla River (Henry et al. 2013). In the Milton-Freewater area the streams and channels exist on alluvial fans (Walla Walla Basin Watershed Council 2013). The major streams and channels include the East Little Walla Walla River, West Little Walla Walla River, Mud Creek, Yellowhawk Creek, and Garrison Creek.

The alluvial aquifer is hosted primarily by Miocene, Pliocene, and Pleistocene strata that are subdivided into Quaternary coarse unit and the upper coarse, fine, and lower coarse Mio-Pliocene units (Henry et al. 2013). The alluvial aquifer system deposits can be as thick as 800 feet. The alluvial aquifer in Section 20, T6N, R35E extends to approximately 220 feet below the land surface, where the mud unit begins. The mud unit acts as the bottom for the alluvial aquifer before encountering the basalt aquifer system (GSI 2007).

Generally, the alluvial aquifers are characterized as unconfined; however, some local confining conditions can be found in the basin. Regional groundwater flow direction in the alluvial aquifer is from east to west. The primary mechanism for recharge to the alluvial aquifer in the Walla Walla River Basin near Walla Walla and in the Milton-Freewater area is from infiltration from the distributary channels through the coarse alluvial sediments with high hydraulic conductivity (Henry et al. 2013). The alluvial aquifer system is underlain by the regional Columbia River basalt aquifer system which is not explored further in this memo.

The hydraulic connection between the streams and channels in the Walla Walla Basin is widely accepted and well documented. Barker and Mac Nish (1976) prepared a groundwater flow model of the gravel (alluvial) aquifer system that characterized streams that are losing water year-round and/or seasonally depending on fluctuating water levels in the gravel aquifer itself. The model calculations yielded a positive infiltration rate indicating a gain in the aquifer from stream loss (Baker and Mac Nish 1976). The Washington State Department of Conservation, Division of Water Resources in conjunction with the USGS, the State Engineer of Oregon, and the Board of Commissioners of Walla Walla County described the communication and recharge from streams in the area stating, "The streams lose substantial amounts of water to the gravel... Infiltration is high when stream levels are high (Newcomb 1965)."

This substantial connectivity between surface streams and creeks has also been recently presented by the Walla Walla Basin Watershed Council. The 2013 Walla Walla Basin Aquifer Recharge Strategic Plan states the high hydraulic conductivity of the coarse sediments coupled with the distributary channel system is the primary mechanism for groundwater recharge for the alluvial aquifer, and that some reaches of streams are seeing significant losses of water to groundwater due to the high connectivity between surface and groundwater and the declining water table. In fact, the Walla Walla Watershed Council sighted two locations along Mud Creek, one in Washington and one in Oregon, as locations for infiltration basins as part of the Walla Walla Basin Aquifer Recharge Strategic Plan due to the high communication levels between Mud Creek and the alluvial aquifer (Wolcott presentation Attachment 3).

WELL CONSTRUCTION

The well at the Hendricks property is a 10-inch well located in NE $\frac{1}{4}$ SE $\frac{1}{4}$, Section 20, T6N, R35E, W.M. The total depth of the well is 169 feet, the pump in the well is set at 147 feet, and the static depth to water recorded on January 18, 2018 was 56 feet. This information was recorded by Widner Electric and Ind. Inc. in an invoice to Mr. Hendricks for a pump pull in January 2018 (Attachment 4). A well log with the same dimensions and location was not found in the OWRD well log database.

Since the Hendricks well has a total depth of 169 feet below the ground surface and the alluvial aquifer system extends to approximately 220 feet, over 51 feet past the bottom of the well, we conclude that the Hendricks well is an alluvial well.

SURROUNDING WELLS

Alluvial well logs nearby include UMAT 57337 and UMAT 3278 (Attachment 5). Well UMAT 57337 is located in NE $\frac{1}{4}$ SE $\frac{1}{4}$, Section 20, T6N, R35E, WM. It is drilled to 101 feet and the geologic materials described on it are reported to be sand, gravel and some fine layers. The static water level was 54 feet in April of 1969. Well UMAT 3278 is located in NE $\frac{1}{4}$ SE $\frac{1}{4}$, Section 20, T6N, R35E WM. It was completed through sands and gravels to a depth of 138 feet and had a static water level of 59 feet in November of 1994. These two well logs help to confirm that the Hendricks well is an alluvial well.

Three alluvial aquifer monitoring well hydrograph records were also retrieved from the Walla Walla Basin Watershed Council for wells surrounding the Hendricks property. Two monitoring wells are located up gradient of the Hendricks well, GW-140 and GW-164, and one well is down gradient, GW-033 (Attachment 6). Monitoring well GW-140 is approximately 0.4 miles away from nearest reach of the South Branch of Mud Creek, well GW-033 is over 1 mile away, and the Hendricks well is approximately 0.25 miles away. All three monitoring wells show seasonal responses to groundwater fluctuations described in the geohydrologic section of this memo, experiencing a higher water table in the winter and early spring then declining in the summer. Up gradient monitoring well GW-140 and down gradient well GW-033 are farther away from South Branch of Mud Creek than the Hendricks well and seasonal fluctuations are observed. These hydrographs are interpreted to show that the alluvial aquifer is rising at the same time the creek is flowing, indicating that the alluvial aquifer is responding to losing reaches from the creek at distances farther away from the South Branch of Mud Creek than the Hendricks well.

CONTINUITY WITH MUD CREEK

Based on the review of the materials described in this memo, we conclude that the well on the Hendricks property is in hydrologic continuity with the South Branch of Mud Creek.

The area is characterized by coarse, highly permeable alluvial deposits overlying an unconfined alluvial aquifer. The creeks, streams, and channels in the area are known to be in continuity with the alluvial aquifer and act as a source of primary recharge, readily losing water to the alluvial aquifer.

Monitoring wells in the alluvial aquifer, both up gradient and down gradient of the property, have hydrographs characterized by seasonal responses near the South Branch of Mud Creek. These hydrographs are interpreted to show that the alluvial aquifer is rising at the same time the creek is flowing, indicating that the creek is losing water to the alluvial aquifer.

The proposed well in question at the Hendricks property is an alluvial well. Modern data collected during a 2018 pump pull provide the general geometry of the well, and although the well log cannot be found, other wells in the immediate area with submitted well logs (UMAT 57337 and 3278) are built very similarly and have water levels that correspond with the one observed in the Hendricks well. These additional well logs also provide geologic material logs that establish them as alluvial aquifer wells, as the deeper basalt aquifer was not

Memorandum to Gage Hendricks and Dale VanSchoiack
July 30, 2018
Page 4

encountered and is shown on Walla Walla Basin Watershed Council maps to be hundreds of feet below the bottom of these wells and the Hendricks well.

Our conclusion has been drawn from well-established and accepted geohydrology in the Walla Walla River Basin, specifically to the Milton-Freewater area, the high degree of continuity with the alluvial aquifer as confirmed by monitoring wells in the area, and the well on the Hendricks property is an alluvial well.

We prepared this memorandum for Gage Hendricks and DVG Consulting, PLLC for review of the potential for hydraulic continuity between the Hendricks well and the South Branch of Mud Creek. DVG Consulting, PLLC may distribute copies of this report to your authorized agents and regulatory agencies as may be required for the Project.

Within the limitations of scope, schedule and budget, our services have been executed in accordance with generally accepted practices for water rights review in this area at the time this report was prepared. The conclusions, recommendations, and opinions presented in this report are based on our professional knowledge, judgment and experience. No warranty, express or implied, applies to the services or this report.

REFERENCES

- Barker, R.A., Mac Nish, R.D. 1976. Water-Supply Bulletin 45: Digital Model of The Gravel Aquifer, Walla Walla River Basin, Washington and Oregon. United States Geological Survey, State of Washington Department of Ecology.
- Henry, R. Lindsey, K., Wolcott, B., Patten, S., Baker, T. 2013. Walla Walla Basin Aquifer Recharge Strategic Plan. Walla Walla Basin Watershed Council. https://www.wwbwc.org/images/Projects/AR/Reports/RechargeStrategy_FINAL_1-29-13_sp.pdf
- GSI, 2007. Geologic Setting of the Miocene (?) to Recent Superbasalt Sediments of the Walla Walla Basin, Southeastern Washington and Northeastern Oregon. Consulting Report for the Walla Walla Basin Watershed Council and Washington Department of Ecology.
- Newcomb, R.C. 1965. Water Supply Bulletin 21: Geology and Ground-Water Resources of the Walla Walla River Basin, Washington-Oregon. United States Geological Survey, Sate of Washington , Department of Conservations, Division of Water Resources.
- Walla Walla Basin Watershed Council. 2014. <https://www.wwbwc.org/monitoring/groundwater.html>. Monitoring well data download.
- Wolcott, B. 2015. Streamflow Improvements in the Wall Walla Basin. http://conservationpartnership.org/downloads/gathering/2015/presentations/restoration/Streamflow_Improvements_in_the_Walla_Walla_Valley.pdf

Attachments

- Attachment 1. Certificates of Water Rights 45 and 47
- Attachment 2. Well Location Map
- Attachment 3. Wolcott Presentation Slide
- Attachment 4. Widner Electric and Ind. Inc. 2018 Report
- Attachment 5. Well Logs UMAT 57337 and UMAT 3278
- Attachment 6. Monitoring Well Location Map and Hydrographs

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ATTACHMENT 1
Certificates of Water Rights 45 and 47

STATE OF OREGON

WATER DIVISION NO. 2 COUNTY OF UMATILLA.

CERTIFICATE OF WATER RIGHT

(For Rights which have been confirmed by the Courts)

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This is to Certify, That W. C. WEATHERS,
of R.F.D. 2, Freewater, State of Oregon, has a right to the use of
the waters of SOUTH BRANCH OF MUD CREEK, a tributary of the Walla Walla River,
in Umatilla County, Oregon,

for the purpose of irrigation, from April 1st to November 1st of each year,

and that said right has been confirmed by decree of the Circuit Court of the State of Oregon for Umatilla County, and the said decree entered of record at Salem, in the Order Record of the Board of Control of the State of Oregon, in Volume 1, at page 117; that the priority of the right hereby confirmed dates from 1890 for the irrigation of two acres and from 1905 for the irrigation of ten acres,

that the amount of water to which such right is entitled and hereby confirmed for the purpose aforesaid, is limited to an amount actually beneficially used for said purpose, and shall not exceed 0.03 cubic feet per second as of date 1890 and 0.13 cubic feet per second as of date 1905.

A description of the lands irrigated under such right, and to which the water hereby confirmed is appurtenant, or, if for other purposes, the place where such water is put to beneficial use, is as follows:

Twelve (12) acres in N $\frac{1}{2}$ of SE $\frac{1}{4}$ of SE $\frac{1}{4}$; Sec. 20, Tp. 6 N. R. 35 E., W. M., in Umatilla County, Oregon.

The right to the use of the water aforesaid hereby confirmed is restricted to the lands or place of use herein described.

WITNESS the seal and signature of the Board
of Control, affixed this 29th day
of November, 1911.

BOARD OF CONTROL

(Seal of Board of Control)

By: JOHN H. LEWIS,
State Engineer, President

Attest:

M. B. Wann,
Secretary

Recorded in State Record of Water Right Certificates, Volume 1, page 45

13291-

STATE OF OREGON

WATER DIVISION NO. 2 COUNTY OF UMATILLA.

CERTIFICATE OF WATER RIGHT

(For Rights which have been confirmed by the Courts)

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This is to Certify, That H. M. WILLIAMS, of R.F.D.2, Freewater, State of Oregon, has a right to the use of the waters of SOUTH BRANCH OF MUD CREEK, a tributary of the Walla Walla River, in Umatilla County, Oregon,

for the purpose of irrigation and domestic use, (irrigation during the irrigation season)

and that said right has been confirmed by decree of the Circuit Court of the State of Oregon for Umatilla County, and the said decree entered of record at Salem, in the Order Record of the Board of Control of the State of Oregon, in Volume 1, at page 117 ; that the priority of the right hereby confirmed dates from 1890;

that the amount of water to which such right is entitled and hereby confirmed for the purpose s aforesaid, is limited to an amount actually beneficially used for said purpose s, and shall not exceed 0.27 cubic feet per second.

A description of the lands irrigated under such right, and to which the water hereby confirmed is appurtenant, or, if for other purposes, the place where such water is put to beneficial use, is as follows:

Sixteen (16) acres in S 1/2 of NE 1/4 of SE 1/4, Sec. 20, Tp. 6 N., R. 35 E., W. M. in Umatilla County, Oregon.

The right to the use of the water aforesaid hereby confirmed is restricted to the lands or place of use herein described.

WITNESS the seal and signature of the Board of Control, affixed this 29th day of November, 1911.

BOARD OF CONTROL

(Seal of Board of Control)

By JOHN H. LEWIS, State Engineer, President

Attest:

M. B. Wann, Secretary

Recorded in State Record of Water Right Certificates, Volume 1, page 47

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ATTACHMENT 4
Widner Electric and Ind. Inc. 2018 Report

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WIDNER ELECTRIC AND IND. INC.
 PO BOX 126
 MILTONFREWATER, OR 97862

ACCT #	SOLD TO	DATE	TIME	STORE #	EMP #	INVOICE #
3657	Gage Hendricks 85091 Edwards Rd	01/18/2018	09:57	500004551	12	657475
SR #		PURCHASE ORDER #	ATTENTION			
0	Milton Freewater, OR 97862	Gage				
AD		TAX EXEMPTION:	REPRINT			
23		TERMS: DUE-10TH	Charge Sale			
PART NUMBER	LN	DESCRIPTION	QUANTITY	PRICE	NET	TOTAL
PULL PUMP	LAB	lift pump measure well 10"well / 169' deep / 56' static. pump set (estament) 147'	2.50	70.00	70.0000	175.00

Greg D. Widner

MILWAUKEE ELECTRIC TOOLS
 GREAT VALUES

Subtotal	175.00
NOTAXOREGON 0.0000%	0.00
%	0.00
TOTAL	175.00***

SIGNATURE
 All goods returned must be accompanied by this invoice

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ATTACHMENT 5
Well Logs UMAT 57337 and UMAT 3278

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5
STATE OF OREGON
WATER WELL REPORT
(as required by ORS 537.765)

UMAT
3278

NOV 1994

6W/35E/20da
(START CARD) # W 26413

(1) OWNER: Well Number SALEM 1000
Name Edith CARLSON
Address Rt 2 Box 151
City Milton Freewater State ORE Zip 97862

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

(3) DRILL METHOD:
 Rotary Air Rotary Mud Cable
 Other

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

(5) BORE HOLE CONSTRUCTION:
Special Construction approval Yes No Depth of Completed Well 138 ft.
Explosives used Yes No Type Amount

HOLE		SEAL		Amount	
Diameter	From To	Material	From To	Amount	or pounds
10	0 35	Asst Chips	0 35	15	
6	35 138				

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

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

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 6"	±1	114	.250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner: 5"	106	138	1120	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) 114

(7) PERFORATIONS/SCREENS:
 Perforations Method Skill Saw
 Screens Type 1120 Material Plastic

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
106	138	3/8x7	168	5	1120	<input type="checkbox"/>	<input checked="" type="checkbox"/>

(8) WELL TESTS: Minimum testing time is 1 hour
 Pump Bailer Air Flowing Artesian
Yield gal/min 25 Drawdown 10 Drill stem at Time 1 hr.

Temperature of Water 54° 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 Umatilla Latitude _____ Longitude _____
Township 6 or S. Range 35 or W. WM.
Section 20 NE 1/4 SE 1/4
Tax Lot 01601 Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) Hodgen Road

(10) STATIC WATER LEVEL:
59 ft. below land surface. Date 11-14-94
Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:
Depth at which water was first found 70'

From	To	Estimated Flow Rate	SWL
70	110	10	65'
110	138	50	59'

(12) WELL LOG:
Ground elevation _____

Material	From	To	SWL
Topsoil	0	31	
Med. Gravel	31	75	65
Sand	75	110	65
Gravel	110	138	59

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Date started 10-28-94 Completed 11-14-94

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to my best knowledge and belief.
Signed Mike Harding WWC Number 1639 Date 11-27-94

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.
Signed Raymond Harding WWC Number 245 Date 11-27-94

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 MAY 14 1969
 STATE ENGINEER
 SALEM, OREGON

UMAT 57337
 WATER WELL REPORT
 STATE OF OREGON
 (Please type or print)
 (Do not write above this line)

UMAT 57337
 State Well No. 6N/35-20 da
 State Permit No. _____

(1) OWNER:
 Name Mrs. Alma Clark
 Address 820 College Milton Freewater, Ore

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

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

CASING INSTALLED: Threaded Welded
 " Diam. from _____ ft. to _____ ft. Gage _____
6 " Diam. from 0 ft. to 95 ft. Gage 250
 " Diam. from _____ ft. to _____ ft. Gage _____

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

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

(8) WATER LEVEL: Completed well.
 Static level 54 ft. below land surface Date April 14 1969
 Artesian pressure _____ lbs. per square inch Date _____

(9) WELL TESTS: Drawdown is amount water level is lowered below static level.
 Was a pump test made? Yes No If yes, by whom? L. Marlatt
 Rate: _____ gal./min. with _____ ft. drawdown after _____ hrs.
120 " 40 " 3 "
 " " " "
 Baller test 50 gal./min. with 20 ft. drawdown after 1 hrs.
 Artesian flow _____ g.p.m. Date _____
 Temperature of water 52 Was a chemical analysis made? Yes No

(10) CONSTRUCTION:
 Well seal—Material used Bentonite
 Depth of seal 53 ft.
 Diameter of well bore to bottom of seal 10" 25" in 8" 53
 Were any loose strata cemented off? Yes No Depth _____
 Was a drive shoe used? Yes No
 Did any strata contain unusable water? Yes No
 Type of water? _____ depth of strata _____
 Method of sealing strata off _____
 Was well gravel packed? Yes No Size of gravel: _____
 Gravel placed from _____ ft. to _____ ft.

(11) LOCATION OF WELL:
 County Umatilla Driller's well number _____
NE 1/4 SE 1/4 Section 20 T. 6N R. 35 E.W.M.
 Bearing and distance from section or subdivision corner
well located 48' ft. E 45' ft. N
of property NW corner

(12) WELL LOG: Diameter of well below casing 6
 Depth drilled 101 ft. Depth of completed well 100 ft.
 Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level as drilling proceeds. Note drilling rates.

MATERIAL	From	To	SWL
Top Soil + Brown clay	0	52	
Med-Fine gravel with Brown clay (caving)	52	63	
Fine to Med Black Sand water bearing	63	66	54
Med-Fine Gravel (caving)	66	73	54
Fine Black Sand with fine Gravel	78	84	54
Med-Fine Gravel			
Some Fine Sand (water)	84	101	54

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Work started April 10 1969 Completed April 14 1969
 Date well drilling machine moved off of well April 15 1969

Drilling Machine Operator's Certification:
 This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
 [Signed] Lowell W. Marlatt Date April 15, 1969
 (Drilling Machine Operator)
 Drilling Machine Operator's License No. 11

Water Well Contractor's Certification:
 This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
 NAME Lowell W. Marlatt
 (Person, firm or corporation) (Type or print)
 Address R.T. #2 Box 111A Milton Freewater, Ore.
 [Signed] Lowell W. Marlatt
 (Water Well Contractor)
 Contractor's License No. 265 Date April 15, 1969

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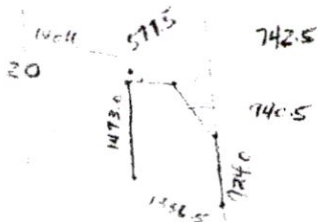
OWRD

Mrs. Alma Clark.

Approximately 40 Acres, located in the County of Umatilla State of Oregon, to-wit:

Beginning at a point 45 rods West and 12 feet South of the Northeast corner of the Southeast quarter of Section 20, Township 6 North, Range 35; running thence West 35 rods more or less to the West line of the East half of the Southeast Quarter of said Section 20; thence South 89 rods 4 1/2 feet; thence Southeasterly 81 rods more or less to a point on the East line of said Section 20, 91 rods South of the northeast corner of the Southeast quarter thereof; thence North 56 rods; thence Northwesterly about 57 rods more or less in a straight line to the place of beginning.

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MAY 14 1969
STATE ENGINEER
SALEM OREGON



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