

CLAIM OF BENEFICIAL USE for Transfer with Multiple Changes - Groundwater



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

A fee of \$230 must accompany this form for any Transfer final orders including a water right with a priority date of July 9, 1987, or later.

Example – A transfer involves 5 rights and one of the rights has a priority date of July 9, 1987, or later, the fee is required.

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SECTION 1 GENERAL INFORMATION Type of Authorized Change

This Claim is being submitted for a transfer involving multiple changes.

YES

Mark all that apply:

1. Change in POA(s) or Additional POA(s) 2. Change in Place of Use
3. Change in Character of Use

A separate section will be completed for each type of change authorized in the transfer final order.

1. File Information

APPLICATION # T-13425

2a. Property Owner (current owner information):

TL 4 1E 23 1801, TL 4 1E 24 1400, 1402, 3600, TL 4 1E 24D 2000, and TL 4 1E 25 600

APPLICANT/BUSINESS NAME Stephen and Mary Jane Koch Trust, Stephen and Mary Jane Koch Trustees		PHONE NO.		ADDITIONAL CONTACT NO.	
ADDRESS 27815 S. Elisha Road					
CITY Canby	STATE OR	ZIP 97013	E-MAIL		

2b. Property Owner (current owner information):

TL 4 1E 24 1100, 1200

APPLICANT/BUSINESS NAME Donald L. Walch Trust, Donald L. Walch Trustee		PHONE NO.		ADDITIONAL CONTACT NO.	
ADDRESS 12738 S. Eby Road					
CITY Molalla	STATE OR	ZIP 97038	E-MAIL		

2c. Property Owner (current owner information): TL 4 1E 24 1300

APPLICANT/BUSINESS NAME Madeline Walch Trust, Madeline Walch Trustee Note: Clackamas Tax Assessors not updated - Madeline has passed and now Donald L. Walch is Trustee		PHONE NO.	ADDITIONAL CONTACT NO.
ADDRESS 12738 S. Eby Road			
CITY Molalla	STATE OR	ZIP 97038	E-MAIL 97038

2d. Property Owner (current owner information): TL 4 1E 25 900

APPLICANT/BUSINESS NAME Timothy R. Ellis		PHONE NO.	ADDITIONAL CONTACT NO.
ADDRESS 28280 S. Elisha Rd			
CITY Canby	STATE OR	ZIP 97013	E-MAIL 97013

If the current property owner is not the transfer holder of record, it is recommended that an assignment be filed with the Department. ***Each transfer holder of record must sign this form.***

See Attached assignment for Donald L. Walch for:
TL 4 1E 24 1100, 1200 and TL 4 1E 24 1300
– Portion of former Certificate 68116 and 94707

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3. Transfer holder of record (this may, or may not, be the current property owner)

TRANSFER HOLDER OF RECORD Stephen A. Koch		
ADDRESS 27815 S Elisha Rd		
CITY Canby	STATE OR	ZIP 97013

4. Date of Site Inspection:

July 28, 2023

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

NAME	DATE	ASSOCIATION WITH THE PROJECT
Steve Koch	July 28, 2023 September 14, 2023	Owner/operator and lessee
Don Walch	July 28, 2023	Owner/operator and lessor
Michelle Walch	July 28, 2023	Family representative. Daughter of Don Walch and cousin of Steve Koch

6. County

Clackamas County

7. If any property described in the place of use of the transfer final order is excluded from this report, identify the owner of record for that property (ORS 537.230(5)):

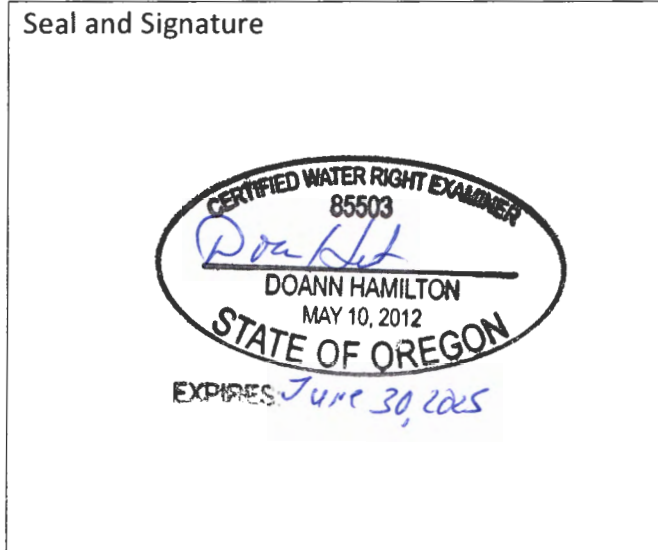
OWNER OF RECORD NA		
ADDRESS		
CITY	STATE	ZIP

Add additional tables for owners of record as needed

**SECTION 2
SIGNATURES**

CWRE Statement, Seal and Signature

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



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CWRE NAME Doann Hamilton	PHONE NO. (503) 632-5016	ADDITIONAL CONTACT NO. (503) 349-6946	
ADDRESS 18487 S. Valley Vista Road			
CITY Mulino	STATE OR	ZIP 97042	E-MAIL phgdmh@gmail.com

Transfer Holder of Record Signature or Acknowledgement

Each transfer holder of record must sign this form in the space provided below.

The facts contained in this Claim of Beneficial Use are true and correct to the best of my knowledge. I request that the Department issue a water right certificate.

SIGNATURE	PRINT OR TYPE NAME	TITLE	DATE
<i>Stephen Koch</i>	Stephen Koch	owner	10-26-23

**SECTION 3
Changes Made**

Note: The Claim only needs to describe the changes that were authorized in the transfer final order.

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Change #1

Change in POA(s) or Additional POA(s)

Did the transfer order authorize a change in the points of appropriation or additional points of appropriation?

YES

If "NO", this Section can be deleted.

1. New or additional point of appropriation name or number:

CERTIFICATE TRANSFERRED	POINT OF APPROPRIATION (POA) NAME OR NUMBER (CORRESPOND TO MAP)	WELL LOG ID # FOR ALL WORK PERFORMED ON THE WELL (IF APPLICABLE)	WELL TAG # (IF APPLICABLE)	SOURCE (IF LISTED IN TRANSFER FINAL ORDER)
52594, 68116	Well 1	CLAC 12500	NA	Cert 52594: Koch Well 1, a tributary of Dove Creek
51320, 68116	Well 2	CLAC 12469	NA	Cert 51320: A well a tributary of Molalla River
51320, 52594, 68116, 94707	Well 3	CLAC 61795	L-78668	Cert 68116: A well in Gribble Creek Basin
51320, 52594, 68116, 94707	Well 4	CLAC 77990	L-146621	Cert 94707: Wells in Molalla River Basin

Attach each well log available for the well (include the log for the original well and any subsequent alterations, reconstructions, or deepenings)

If well logs are available, items A and B below can be deleted

2. Variations:

Was the use developed differently from what was authorized by the transfer final order, or extension final? **NO**

If yes, describe below.

(e.g. "The order allowed three new/additional points of appropriation. The water user only developed one of the points.")

None

3. Claim Summary:

CERTIFICATE TRANSFERRED	NEW OR ADDITIONAL POA NAME OR #	MAXIMUM RATE AUTHORIZED	CALCULATED THEORETICAL RATE BASED ON SYSTEM	AMOUNT OF WATER MEASURED
51320	Well 2	0.59 cfs	2.61 cfs	Not Measured
	Well 3		2.39 cfs	Not Measured
	Well 4		2.48 cfs	Not Measured
52594	Well 1	0.68 cfs	3.20 cfs	Not Measured
	Well 3		2.39 cfs	Not Measured
	Well 4		2.48 cfs	Not Measured
68116	Well 1	0.115 cfs	3.20 cfs	Not Measured
	Well 2		2.61 cfs	Not Measured
	Well 3		2.39 cfs	Not Measured
	Well 4		2.48 cfs	Not Measured
94707	Well 3	594 gpm	2.39 cfs	Not Measured
	Well 4		2.48 cfs	Not Measured

System Description 1 of 4

Are there multiple new or additional Points of Appropriation (POA)? **YES**

If "YES" you will need to copy and complete either Section A or B in this Section for each POA.

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

Well 1

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A. POA System Information

Provide the following information concerning the point of appropriation. Information provided must describe the equipment used to appropriate water from the point of appropriation.

1. Pump Information

SOURCE	MANUFACTURER	MODEL	SERIAL NUMBER	TYPE (CENTRIFUGAL, TURBINE OR SUBMERSIBLE)	INTAKE SIZE	DISCHARGE SIZE
Well 1	Franklin	STS 350	Unknown	Submersible	8 inch	6 inch
Hard hose traveler - 1	Cornell	3RB-EM16-4	221919 12.88	Centrifugal	3 inch	3 inch
Hard hose traveler - 2	Franklin	XS439	12D19-24-05066P	Centrifugal	3 inch	3 inch
Hard hose traveler - 3	Cornell	3RB-EM16-4	84769 12.8	Centrifugal	3 inch	3 inch
Hard hose traveler - 4	Cornell	3RB-EM16-4	214852 12.88	Centrifugal	3 inch	3 inch
Hard hose traveler - 5	Cornell	3RB-EM16-4	205395 12.88	Centrifugal	3 inch	3 inch
Hard hose traveler - 6	Cornell	3RB-EM16-4	147387 12.88	Centrifugal	3 inch	3 inch

2. Motor Information

SOURCE	MANUFACTURER	HORSEPOWER
Well 1	Franklin	50 Hp
Hard hose traveler - 1	John Deere 4239DF001 SN TO4239D169369	80 Hp
Hard hose traveler - 2	Deutz Diesel Model F3L912 SN 7075394	80 Hp
Hard hose traveler - 3	John Deere 4039DF001 SN TO4039D458510	92 Hp
Hard hose traveler - 4	Isuzu AV-4LE1	50 Hp
Hard hose traveler - 5	Isuzu AV-4LE1	50 Hp
Hard hose traveler - 6	John Deere 4045DF270 SN PE4045D669765	74 Hp

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3. Theoretical Pump Capacity

SOURCE	HORSEPOWER	OPERATING PSI	LIFT FROM SOURCE TO PUMP *IF A WELL, THE WATER LEVEL DURING PUMPING	LIFT FROM PUMP TO PLACE OF USE	TOTAL PUMP OUTPUT (IN CFS)
Well 1	50 Hp	70 psi	97 feet (from permit condition pump test)	0 feet	1.28 cfs
Well 1 + hard hose traveler - 1	50 Hp well + 80 Hp booster	80 psi	97 feet (from permit condition pump test)	0 feet	2.93 cfs
Well 1 + hard hose traveler - 2	50 Hp well + 80 Hp booster	80 psi	97 feet (from permit condition pump test)	0 feet	2.93 cfs
Well 1 + hard hose traveler - 3	50 Hp well + 92 Hp booster	80 psi	97 feet (from permit condition pump test)	0 feet	3.20 cfs
Well 1 + hard hose traveler - 4	50 Hp well + 50 Hp booster	80 psi	97 feet (from permit condition pump test)	0 feet	2.27 cfs
Well 1 + hard hose	50 Hp well +	80 psi	97 feet (from permit	0 feet	2.27 cfs

traveler – 5	50 Hp booster		condition pump test)		
Well 1 + hard hose traveler – 6	50 Hp well + 74 Hp booster	80 psi	97 feet (from permit condition pump test)	0 feet	2.80 cfs

4. Provide pump calculations:

<p>Q Pump from Well 1 (70 psi) = $\frac{(50 \text{ Hp}) (7.04 \text{ ft}^4/\text{sec HP})}{(97 \text{ ft lift} + 177.8 \text{ ft pressure head})} = 1.28 \text{ cfs}$</p> <p>Q Pump from Well 1 + traveler 1 = $\frac{(50 \text{ Hp}) (7.04 \text{ ft}^4/\text{sec HP}) + (80 \text{ Hp}) (6.61 \text{ ft}^4/\text{sec HP})}{(97 \text{ ft lift} + 203.2 \text{ ft pressure head})} = 2.93 \text{ cfs}$</p> <p>Q Pump from Well 1 + traveler 2 = $\frac{(50 \text{ Hp}) (7.04 \text{ ft}^4/\text{sec HP}) + (80 \text{ Hp}) (6.61 \text{ ft}^4/\text{sec HP})}{(97 \text{ ft lift} + 203.2 \text{ ft pressure head})} = 2.93 \text{ cfs}$</p> <p>Q Pump from Well 1 + traveler 3 = $\frac{(50 \text{ Hp}) (7.04 \text{ ft}^4/\text{sec HP}) + (92 \text{ Hp}) (6.61 \text{ ft}^4/\text{sec HP})}{(97 \text{ ft lift} + 203.2 \text{ ft pressure head})} = 3.20 \text{ cfs}$</p> <p>Q Pump from Well 1 + traveler 4 = $\frac{(50 \text{ Hp}) (7.04 \text{ ft}^4/\text{sec HP}) + (50 \text{ Hp}) (6.61 \text{ ft}^4/\text{sec HP})}{(97 \text{ ft lift} + 203.2 \text{ ft pressure head})} = 2.27 \text{ cfs}$</p> <p>Q Pump from Well 1 + traveler 5 = $\frac{(50 \text{ Hp}) (7.04 \text{ ft}^4/\text{sec HP}) + (50 \text{ Hp}) (6.61 \text{ ft}^4/\text{sec HP})}{(97 \text{ ft lift} + 203.2 \text{ ft pressure head})} = 2.27 \text{ cfs}$</p> <p>Q Pump from Well 1 + traveler 6 = $\frac{(50 \text{ Hp}) (7.04 \text{ ft}^4/\text{sec HP}) + (74 \text{ Hp}) (6.61 \text{ ft}^4/\text{sec HP})}{(97 \text{ ft lift} + 203.2 \text{ ft pressure head})} = 2.80 \text{ cfs}$</p>
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5. Measured Pump Capacity (using meter if meter was present and system was operating)

INITIAL METER READING	ENDING METER READING	DURATION OF TIME OBSERVED	TOTAL PUMP OUTPUT (IN CFS)
Not running during site visit			

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

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6. Additional notes or comments related to the system:

Well 1 (CLAC 12500) also supplies Permit G-18483.

All wells can run at the same time through the same line.

Well 2 and Well 4 are controlled by variable speed drives. Once the pressure drops in Well 1 or Well 3, either Well 2 or Well 4 will start up and supply the additional volume needed to meet the system demands.

Note: Both Well 2 and Well 4 cannot not be on a variable speed drive mode at the same time, so sometimes the variable speed drive is turned off on one of the two wells.

B. Groundwater Source Information (Well and Sump)

1. Is the appropriation from a dug well (sump)? NO

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

System Description 2 of 4

Are there multiple new or additional Points of Appropriation (POA)? YES

If "YES" you will need to copy and complete either Section A or B in this Section for each POA.

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

Well 2

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A. POA System Information

Provide the following information concerning the point of appropriation. Information provided must describe the equipment used to appropriate water from the point of appropriation.

1. Pump Information

SOURCE	MANUFACTURER	MODEL	SERIAL NUMBER	TYPE (CENTRIFUGAL, TURBINE OR SUBMERSIBLE)	INTAKE SIZE	DISCHARGE SIZE
Well 2	Gould	6CHC	Unknown	Submersible	6 inch	4 inch
Hard hose traveler - 1	Cornell	3RB-EM16-4	221919 12.88	Centrifugal	3 inch	3 inch
Hard hose traveler - 2	Franklin	XS439	12D19-24-05066P	Centrifugal	3 inch	3 inch
Hard hose traveler - 3	Cornell	3RB-EM16-4	84769 12.8	Centrifugal	3 inch	3 inch
Hard hose traveler - 4	Cornell	3RB-EM16-4	214852 12.88	Centrifugal	3 inch	3 inch
Hard hose traveler - 5	Cornell	3RB-EM16-4	205395 12.88	Centrifugal	3 inch	3 inch

Hard hose traveler - 6	Cornell	3RB-EM16-4	147387 12.88	Centrifugal	3 inch	3 inch
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2. Motor Information

SOURCE	MANUFACTURER	HORSEPOWER
Well 2	Franklin	30 Hp
Hard hose traveler - 1	John Deere 4239DF001 SN TO4239D169369	80 Hp
Hard hose traveler - 2	Deutz Diesel Model F3L912 SN 7075394	80 Hp
Hard hose traveler - 3	John Deer 4039DF001 SN TO4039D458510	92 Hp
Hard hose traveler - 4	Isuzu AV-4LE1	50 Hp
Hard hose traveler - 5	Isuzu AV-4LE1	50 Hp
Hard hose traveler - 6	John Deere 4045DF270 SN PE4045D669765	74 Hp

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3. Theoretical Pump Capacity

SOURCE	HORSEPOWER	OPERATING PSI	LIFT FROM SOURCE TO PUMP *IF A WELL, THE WATER LEVEL DURING PUMPING	LIFT FROM PUMP TO PLACE OF USE	TOTAL PUMP OUTPUT (IN CFS)
Well 2	30 Hp	70-90 psi	110.3 feet (calculated from specific capacity from permit condition pump test)	0 feet	0.73 to 0.62 cfs
Well 2 + hard hose traveler - 1	30 Hp well + 80 Hp booster	80 psi	110.3 feet (calculated from specific capacity from permit condition pump test)	0 feet	2.36 cfs
Well 2 + hard hose traveler - 2	30 Hp well + 80 Hp booster	80 psi	110.3 feet (calculated from specific capacity from permit condition pump test)	0 feet	2.36 cfs
Well 2 + hard hose traveler - 3	30 Hp well + 92 Hp booster	80 psi	110.3 feet (calculated from specific capacity from permit condition pump test)	0 feet	2.61 cfs
Well 2 + hard hose traveler - 4	30 Hp well + 50 Hp booster	80 psi	110.3 feet (calculated from specific capacity from permit condition pump test)	0 feet	1.73 cfs
Well 2 + hard hose traveler - 5	30 Hp well + 50 Hp booster	80 psi	110.3 feet (calculated from specific capacity from permit condition pump test)	0 feet	1.73 cfs

Well 2 + hard hose traveler – 6	30 Hp well + 74 Hp booster	80 psi	110.3 feet (calculated from specific capacity from permit condition pump test)	0 feet	2.23 cfs
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4. Provide pump calculations:

$$Q \text{ Pump from Well 2 (70 psi)} = \frac{(30 \text{ Hp}) (7.04 \text{ ft}^4/\text{sec HP})}{(110.3 \text{ ft lift} + 177.8 \text{ ft pressure head})} = 0.73 \text{ cfs}$$

$$Q \text{ Pump from Well 2 (90 psi)} = \frac{(30 \text{ Hp}) (7.04 \text{ ft}^4/\text{sec HP})}{(110.3 \text{ ft lift} + 228.6 \text{ ft pressure head})} = 0.62 \text{ cfs}$$

$$Q \text{ Pump from Well 2 + traveler 1} = \frac{(30 \text{ Hp}) (7.04 \text{ ft}^4/\text{sec HP}) + (80 \text{ Hp}) (6.61 \text{ ft}^4/\text{sec HP})}{(110.3 \text{ ft lift} + 203.2 \text{ ft pressure head})} = 2.36 \text{ cfs}$$

$$Q \text{ Pump from Well 2 + traveler 2} = \frac{(30 \text{ Hp}) (7.04 \text{ ft}^4/\text{sec HP}) + (80 \text{ Hp}) (6.61 \text{ ft}^4/\text{sec HP})}{(110.3 \text{ ft lift} + 203.2 \text{ ft pressure head})} = 2.36 \text{ cfs}$$

$$Q \text{ Pump from Well 2 + traveler 3} = \frac{(30 \text{ Hp}) (7.04 \text{ ft}^4/\text{sec HP}) + (92 \text{ Hp}) (6.61 \text{ ft}^4/\text{sec HP})}{(110.3 \text{ ft lift} + 203.2 \text{ ft pressure head})} = 2.61 \text{ cfs}$$

$$Q \text{ Pump from Well 2 + traveler 4} = \frac{(30 \text{ Hp}) (7.04 \text{ ft}^4/\text{sec HP}) + (50 \text{ Hp}) (6.61 \text{ ft}^4/\text{sec HP})}{(110.3 \text{ ft lift} + 203.2 \text{ ft pressure head})} = 1.73 \text{ cfs}$$

$$Q \text{ Pump from Well 2 + traveler 5} = \frac{(30 \text{ Hp}) (7.04 \text{ ft}^4/\text{sec HP}) + (50 \text{ Hp}) (6.61 \text{ ft}^4/\text{sec HP})}{(110.3 \text{ ft lift} + 203.2 \text{ ft pressure head})} = 1.73 \text{ cfs}$$

$$Q \text{ Pump from Well 2 + traveler 6} = \frac{(30 \text{ Hp}) (7.04 \text{ ft}^4/\text{sec HP}) + (74 \text{ Hp}) (6.61 \text{ ft}^4/\text{sec HP})}{(110.3 \text{ ft lift} + 203.2 \text{ ft pressure head})} = 2.23 \text{ cfs}$$

5. Measured Pump Capacity (using meter if meter was present and system was operating)

INITIAL METER READING	ENDING METER READING	DURATION OF TIME OBSERVED	TOTAL PUMP OUTPUT (IN CFS)
Not running during site visit			

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

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6. Additional notes or comments related to the system:

Well 2 (CLAC 12469) also supplies Permit G-18483.

Well 2 also supplies a house.

There are two pumps inside the well: one for the house and one for irrigation.

The house line is separate, coming out the top of the well head before the meter and goes through a pressure tank before going to the house.

All wells can run at the same time through the same line.

Well 2 and Well 4 are controlled by variable speed drives. Once the pressure drops in Well 1 or Well 3, either Well 2 or Well 4 will start up and supply the additional volume needed to meet the system demands.

Note: Both Well 2 and Well 4 cannot not be on a variable speed drive mode at the same time, so sometimes the variable speed drive is turned off on one of the two wells.

While the pump capacity calculations show that Well 2 has a maximum pump capacity of 0.73 cfs (327.6 gpm) without a booster pump, Steve Koch reports that Well 2 can pump at a maximum rate of 350 gpm.

B. Groundwater Source Information (Well and Sump)

1. Is the appropriation from a dug well (sump)? NO

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

System Description 3 of 4

Are there multiple new or additional Points of Appropriation (POA)? YES

If "YES" you will need to copy and complete either Section A or B in this Section for each POA.

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

Well 3

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A. POA System Information

Provide the following information concerning the point of appropriation. Information provided must describe the equipment used to appropriate water from the point of appropriation.

1. Pump Information

SOURCE	MANUFACTURER	MODEL	SERIAL NUMBER	TYPE (CENTRIFUGAL, TURBINE OR SUBMERSIBLE)	INTAKE SIZE	DISCHARGE SIZE
Well 3	Berkeley	6T 200	Unknown	Submersible	6 inch	4 inch
Hard hose traveler - 1	Cornell	3RB-EM16-4	221919 12.88	Centrifugal	3 inch	3 inch
Hard hose traveler - 2	Franklin	XS439	12D19-24-05066P	Centrifugal	3 inch	3 inch
Hard hose traveler - 3	Cornell	3RB-EM16-4	84769 12.8	Centrifugal	3 inch	3 inch
Hard hose traveler - 4	Cornell	3RB-EM16-4	214852 12.88	Centrifugal	3 inch	3 inch
Hard hose traveler - 5	Cornell	3RB-EM16-4	205395 12.88	Centrifugal	3 inch	3 inch
Hard hose traveler - 6	Cornell	3RB-EM16-4	147387 12.88	Centrifugal	3 inch	3 inch

2. Motor Information

SOURCE	MANUFACTURER	HORSEPOWER
Well 3	Unknown	20 Hp
Hard hose traveler - 1	John Deere 4239DF001 SN TO4239D169369	80 Hp
Hard hose traveler - 2	Deutz Diesel Model F3L912 SN 7075394	80 Hp
Hard hose traveler - 3	John Deere 4039DF001 SN TO4039D458510	92 Hp
Hard hose traveler - 4	Isuzu AV-4LE1	50 Hp
Hard hose traveler - 5	Isuzu AV-4LE1	50 Hp
Hard hose traveler - 6	John Deere 4045DF270 SN PE4045D669765	74 Hp

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3. Theoretical Pump Capacity

SOURCE	HORSEPOWER	OPERATING PSI	LIFT FROM SOURCE TO PUMP *IF A WELL, THE WATER LEVEL DURING PUMPING	LIFT FROM PUMP TO PLACE OF USE	TOTAL PUMP OUTPUT (IN CFS)
Well 3	20 Hp	70 psi	110.3 feet (Estimated based on pumping test for Well 2)	0 feet	0.49 cfs
Well 3 + hard hose traveler - 1	20 Hp well + 80 Hp booster	80 psi	110.3 feet (Estimated based on pumping test for Well 2)	0 feet	2.14 cfs
Well 3 + hard hose traveler - 2	20 Hp well + 80 Hp booster	80 psi	110.3 feet (Estimated based on pumping test for Well 2)	0 feet	2.14 cfs
Well 3 + hard hose traveler - 3	20 Hp well + 92 Hp booster	80 psi	110.3 feet (Estimated based on pumping test for Well 2)	0 feet	2.39 cfs

Well 3 + hard hose traveler – 4	20 Hp well + 50 Hp booster	80 psi	110.3 feet (Estimated based on pumping test for Well 2)	0 feet	1.50 cfs
Well 3 + hard hose traveler – 5	20 Hp well + 50 Hp booster	80 psi	110.3 feet (Estimated based on pumping test for Well 2)	0 feet	1.50 cfs
Well 3 + hard hose traveler – 6	20 Hp well + 74 Hp booster	80 psi	110.3 feet (Estimated based on pumping test for Well 2)	0 feet	2.01 cfs

4. Provide pump calculations:

$Q \text{ Pump from Well 3 (70 psi)} = \frac{(20 \text{ Hp}) (7.04 \text{ ft}^4/\text{sec HP})}{(110.3 \text{ ft lift} + 177.8 \text{ ft pressure head})} = 0.49 \text{ cfs}$
$Q \text{ Pump from Well 3 + traveler 1} = \frac{(20 \text{ Hp}) (7.04 \text{ ft}^4/\text{sec HP}) + (80 \text{ Hp}) (6.61 \text{ ft}^4/\text{sec HP})}{(110.3 \text{ ft lift} + 203.2 \text{ ft pressure head})} = 2.14 \text{ cfs}$
$Q \text{ Pump from Well 3 + traveler 2} = \frac{(20 \text{ Hp}) (7.04 \text{ ft}^4/\text{sec HP}) + (80 \text{ Hp}) (6.61 \text{ ft}^4/\text{sec HP})}{(110.3 \text{ ft lift} + 203.2 \text{ ft pressure head})} = 2.14 \text{ cfs}$
$Q \text{ Pump from Well 3 + traveler 3} = \frac{(20 \text{ Hp}) (7.04 \text{ ft}^4/\text{sec HP}) + (92 \text{ Hp}) (6.61 \text{ ft}^4/\text{sec HP})}{(110.3 \text{ ft lift} + 203.2 \text{ ft pressure head})} = 2.39 \text{ cfs}$
$Q \text{ Pump from Well 3 + traveler 4} = \frac{(20 \text{ Hp}) (7.04 \text{ ft}^4/\text{sec HP}) + (50 \text{ Hp}) (6.61 \text{ ft}^4/\text{sec HP})}{(110.3 \text{ ft lift} + 203.2 \text{ ft pressure head})} = 1.50 \text{ cfs}$
$Q \text{ Pump from Well 3 + traveler 5} = \frac{(20 \text{ Hp}) (7.04 \text{ ft}^4/\text{sec HP}) + (50 \text{ Hp}) (6.61 \text{ ft}^4/\text{sec HP})}{(110.3 \text{ ft lift} + 203.2 \text{ ft pressure head})} = 1.50 \text{ cfs}$
$Q \text{ Pump from Well 3 + traveler 6} = \frac{(20 \text{ Hp}) (7.04 \text{ ft}^4/\text{sec HP}) + (74 \text{ Hp}) (6.61 \text{ ft}^4/\text{sec HP})}{(110.3 \text{ ft lift} + 203.2 \text{ ft pressure head})} = 2.01 \text{ cfs}$

5. Measured Pump Capacity (using meter if meter was present and system was operating)

INITIAL METER READING	ENDING METER READING	DURATION OF TIME OBSERVED	TOTAL PUMP OUTPUT (IN CFS)
Not running during site visit			

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

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6. Additional notes or comments related to the system:

Well 3 (CLAC 61795) also supplies Permit G-18483.

Well 3 also supplies a house.

There are two pumps inside the well: one for the house and one for irrigation.

The house line tees off just past the well head before the meter and then connects to a pressure tank for the house.

All wells can run at the same time through the same line.

Well 2 and Well 4 are controlled by variable speed drives. Once the pressure drops in Well 1 or Well 3, either Well 2 or Well 4 will start up and supply the additional volume needed to meet the system demands.

Note: Both Well 2 and Well 4 cannot not be on a variable speed drive mode at the same time, so sometimes the variable speed drive is turned off on one of the two wells.

B. Groundwater Source Information (Well and Sump)

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

NO

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

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System Description 4 of 4

Are there multiple new or additional Points of Appropriation (POA)?

YES

If "YES" you will need to copy and complete either Section A or B in this Section for each POA.

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

Well 4

A. POA System Information

Provide the following information concerning the point of appropriation. Information provided must describe the equipment used to appropriate water from the point of appropriation.

1. Pump Information

SOURCE	MANUFACTURER	MODEL	SERIAL NUMBER	TYPE (CENTRIFUGAL, TURBINE OR SUBMERSIBLE)	INTAKE SIZE	DISCHARGE SIZE
Well 4	Grundfos	300S 400-11	PPB 059 23-6	Submersible	6 inch	4 inch
Hard hose traveler - 1	Cornell	3RB- EM16-4	221919 12.88	Centrifugal	3 inch	3 inch

Hard hose traveler - 2	Franklin	XS439	12D19-24-05066P	Centrifugal	3 inch	3 inch
Hard hose traveler - 3	Cornell	3RB-EM16-4	84769 12.8	Centrifugal	3 inch	3 inch
Hard hose traveler - 4	Cornell	3RB-EM16-4	214852 12.88	Centrifugal	3 inch	3 inch
Hard hose traveler - 5	Cornell	3RB-EM16-4	205395 12.88	Centrifugal	3 inch	3 inch
Hard hose traveler - 6	Cornell	3RB-EM16-4	147387 12.88	Centrifugal	3 inch	3 inch

2. Motor Information

SOURCE	MANUFACTURER	HORSEPOWER
Well 4	Grundfos	40 Hp
Hard hose traveler - 1	John Deere 4239DF001 SN TO4239D169369	80 Hp
Hard hose traveler - 2	Deutz Diesel Model F3L912 SN 7075394	80 Hp
Hard hose traveler - 3	John Deer 4039DF001 SN TO4039D458510	92 Hp
Hard hose traveler - 4	Isuzu AV-4LE1	50 Hp
Hard hose traveler - 5	Isuzu AV-4LE1	50 Hp
Hard hose traveler - 6	John Deere 4045DF270 SN PE4045D669765	74 Hp

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3. Theoretical Pump Capacity

SOURCE	HORSEPOWER	OPERATING PSI	LIFT FROM SOURCE TO PUMP *IF A WELL, THE WATER LEVEL DURING PUMPING	LIFT FROM PUMP TO PLACE OF USE	TOTAL PUMP OUTPUT (IN CFS)
Well 4	40 Hp	70 psi	155.1 feet (calculated based on specific capacity from permit condition pump test)	0 feet	0.85 cfs
Well 4	40 Hp	90 psi	146.1 feet (calculated based on specific capacity from permit condition pump test)	0 feet	0.75 cfs
Well 4 + hard hose traveler - 1	40 Hp well + 80 Hp booster	80 psi	155.1 feet (calculated based on specific capacity from permit condition pump test)	0 feet	2.26 cfs
Well 4 + hard hose traveler - 2	40 Hp well + 80 Hp booster	80 psi	155.1 feet (calculated based on specific capacity from permit condition pump test)	0 feet	2.26 cfs
Well 4 + hard	40 Hp well +	80 psi	155.1 feet (calculated	0 feet	2.48 cfs

hose traveler – 3	92 Hp booster		based on specific capacity from permit condition pump test)		
Well 4 + hard hose traveler – 4	40 Hp well + 50 Hp booster	80 psi	155.1 feet (calculated based on specific capacity from permit condition pump test)	0 feet	1.71 cfs
Well 4 + hard hose traveler – 5	40 Hp well + 50 Hp booster	80 psi	155.1 feet (calculated based on specific capacity from permit condition pump test)	0 feet	1.71 cfs
Well 4 + hard hose traveler – 6	40 Hp well + 74 Hp booster	80 psi	155.1 feet (calculated based on specific capacity from permit condition pump test)	0 feet	2.15 cfs

4. Provide pump calculations:

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$$Q \text{ Pump from Well 4 (70 psi)} = \frac{(40 \text{ Hp}) (7.04 \text{ ft}^4/\text{sec HP})}{(155.1 \text{ ft lift} + 177.8 \text{ ft pressure head})} = 0.85 \text{ cfs}$$

$$Q \text{ Pump from Well 4 (90 psi)} = \frac{(40 \text{ Hp}) (7.04 \text{ ft}^4/\text{sec HP})}{(146.1 \text{ ft lift} + 228.6 \text{ ft pressure head})} = 0.75 \text{ cfs}$$

$$Q \text{ Pump from Well 4 + traveler 1} = \frac{(40 \text{ Hp}) (7.04 \text{ ft}^4/\text{sec HP}) + (80 \text{ Hp}) (6.61 \text{ ft}^4/\text{sec HP})}{(155.1 \text{ ft lift} + 203.2 \text{ ft pressure head})} = 2.26 \text{ cfs}$$

$$Q \text{ Pump from Well 4 + traveler 2} = \frac{(40 \text{ Hp}) (7.04 \text{ ft}^4/\text{sec HP}) + (80 \text{ Hp}) (6.61 \text{ ft}^4/\text{sec HP})}{(155.1 \text{ ft lift} + 203.2 \text{ ft pressure head})} = 2.26 \text{ cfs}$$

$$Q \text{ Pump from Well 4 + traveler 3} = \frac{(40 \text{ Hp}) (7.04 \text{ ft}^4/\text{sec HP}) + (92 \text{ Hp}) (6.61 \text{ ft}^4/\text{sec HP})}{(155.1 \text{ ft lift} + 203.2 \text{ ft pressure head})} = 2.48 \text{ cfs}$$

$$Q \text{ Pump from Well 4 + traveler 4} = \frac{(40 \text{ Hp}) (7.04 \text{ ft}^4/\text{sec HP}) + (50 \text{ Hp}) (6.61 \text{ ft}^4/\text{sec HP})}{(155.1 \text{ ft lift} + 203.2 \text{ ft pressure head})} = 1.71 \text{ cfs}$$

$$Q \text{ Pump from Well 4 + traveler 5} = \frac{(40 \text{ Hp}) (7.04 \text{ ft}^4/\text{sec HP}) + (50 \text{ Hp}) (6.61 \text{ ft}^4/\text{sec HP})}{(155.1 \text{ ft lift} + 203.2 \text{ ft pressure head})} = 1.71 \text{ cfs}$$

$$Q \text{ Pump from Well 4 + traveler 6} = \frac{(40 \text{ Hp}) (7.04 \text{ ft}^4/\text{sec HP}) + (74 \text{ Hp}) (6.61 \text{ ft}^4/\text{sec HP})}{(155.1 \text{ ft lift} + 203.2 \text{ ft pressure head})} = 2.15 \text{ cfs}$$

5. Measured Pump Capacity (using meter if meter was present and system was operating)

INITIAL METER READING	ENDING METER READING	DURATION OF TIME OBSERVED	TOTAL PUMP OUTPUT (IN CFS)
Not running during site visit			

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

6. Additional notes or comments related to the system:

Well 4 (CLAC 77990) also supplies Permit G-18483.

All wells can run at the same time through the same line.

Well 2 and Well 4 are controlled by variable speed drives. Once the pressure drops in Well 1 or Well 3, either Well 2 or Well 4 will start up and supply the additional volume needed to meet the system demands.

Note: Both Well 2 and Well 4 cannot not be on a variable speed drive mode at the same time, so sometimes the variable speed drive is turned off on one of the two wells.

B. Groundwater Source Information (Well and Sump)

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

NO

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

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Change #2

Change in Place of Use

Did the transfer order authorize a change in the place of use?

YES

If "NO", this Section can be deleted.

1. Claim Summary – Authorized Use:

If Irrigation or Nursery Use:

CERTIFICATE TRANSFERRED	THE # OF ACRES ALLOWED	THE # OF ACRES DEVELOPED
68116	9.3	9.3
94707	105.8	105.8

If the new use(s) was not irrigation or nursery:

NEW USE(S)	WAS THE NEW PLACE OF USE DEVELOPED TO THE FULL EXTENT AUTHORIZED UNDER THE ORDER? (INCLUDE THE LOCATION OF THE DEVELOPED PLACE USE ON THE CLAIM MAP)
	NA
	NA

2. Variations:

Was the use developed differently from what was authorized by the transfer final order? **NO**

If yes, describe below.

(e.g. "The order authorized a change in place of use for 40 acres. The water user only developed 38 acres.")

None

Change #3

Change in Character of Use

Did the transfer order authorize a change in character of use?

NO

If "NO", this Section can be deleted.

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SECTION 4
CONDITIONS

All conditions contained in the transfer final order, or any extension final order shall be addressed. Reports that do not address all performance related conditions will be returned.

1. Time Limits:

Describe how the water user has complied with each of the development timelines established in the transfer final order and any extensions of time issued for the transfer:

	DATE FROM TRANSFER	DATE THE AUTHORIZED CHANGES WERE COMPLETED *THIS DATE MUST FALL BETWEEN THE "ISSUANCE DATE" AND THE "COMPLETENESS DATE"
ISSUANCE DATE	June 30, 2032	
COMPLETENESS DATE FROM ORDER (C)	October 1, 2024	July 2023

* MUST BE WITHIN PERIOD BETWEEN TRANSFER FINAL ORDER, OR ANY EXTENSION FINAL ORDER ISSUANCE AND THE DATE TO COMPLETE THE CHANGE

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

NO

If "NO", you may delete the following table.

3. Measurement Conditions:

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

YES

If "NO", items b through f relating to this section may be deleted.

Reminder: If a meter or approved measuring device was required, the COBU map must indicate the location of the device in relation to the point of appropriation.

b. Has a meter been installed?

YES

c. Meter Information

POA NAME OR #	MANUFACTURER	SERIAL #	CONDITION (WORKING OR NOT)	CURRENT METER READING	DATE INSTALLED
Well 1	McCrometer	23-06037-06	Working	81,700 gallons (November 5, 2018)	Replacement meter installed: August 29, 2023
Well 2	McCrometer	00-3857-4	Working	253,060 cubic feet (July 28, 2023)	2005
Well 3	McCrometer	Un-readable	Working	49,175,800 gallons (July 28, 2023)	2005
Well 4	McCrometer	23-04028-04	Working	1,180,200 gallons (July 28, 1023)	June 2023

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If a meter has been installed, items d through f relating to this section may be deleted.

4. Recording and reporting conditions

a. Is the water user required to report the water use to the Department? **NO**

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

5. Other conditions required by the transfer final order or extension final order:

- a. Were there special well construction standards? **NO**
- b. Was submittal of a ground water monitoring plan required? **NO**
- c. Other conditions? **YES**

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

c) Condition:

Water shall be acquired from the same aquifer (water source) as the original point of appropriation.

Compliance:

Well 1 (CLAC 12500) develops water from the alluvial aquifer within the depth intervals of 170 to 180 feet, 230 to 245 feet, 365 to 375 feet, 390 to 395 feet (perforated intervals), and 434-446 (below bottom of casing) within layers of claystone, sand and gravel.

Well 2 (CLAC 12469) develops water from the alluvial aquifer within the depth intervals of 80 to 90 feet, 111 to 113 feet, 124 to 126 feet, and 152 to 188 feet (perforated intervals) within layers of gravel and sand.

Well 3 (CLAC 61795) develops water from the alluvial aquifer primarily within the depth interval of 180 to 212 feet within layers of sand.

Well 4 (CLAC 77990) develops water from the alluvial aquifer within the screened intervals

of 214 to 230 feet, 242 to 248 feet, 356 to 365 feet, 374 to 378 feet, and 392 to 396 feet within layers of claystone, silt, siltstone, and sand.

It appears these wells obtain water from the alluvial aquifer; therefore, this condition has been met.

SECTION 5 ATTACHMENTS

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

ATTACHMENT NAME	DESCRIPTION
Claim of Beneficial Use Map	Claim of Beneficial Use Map for former Certificate 51320
Claim of Beneficial Use Map	Claim of Beneficial Use Map for former Certificate 52594
Claim of Beneficial Use Map	Claim of Beneficial Use Map for former Certificate 68116
Claim of Beneficial Use Map	Claim of Beneficial Use Map for former Certificate 94707
State Water Well Report – CLAC 12500	Well log and driller’s notes for CLAC 12500 – Well 1
State Water Well Report – CLAC 12469	Well log and driller’s notes for CLAC 12469 – Well 2
State Water Well Report – CLAC 61795	Well log and driller’s notes for CLAC 61795 – Well 3
State Water Well Report – CLAC 77990	Well log and driller’s notes for CLAC 77990 – Well 4
Request for Assignment	Assignment of a portion of T-13425, formerly Certificates 68116 and 94707 To Donald L. Walch
Assignment Map	Assignment Map accompany the assignment to assign a portion of T-13425, formerly Certificate 68116 to Donald L. Walch
Assignment Map	Assignment Map accompany the assignment to assign a portion of T-13425, formerly Certificate 94707 to Donald L. Walch

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SECTION 6 CLAIM OF BENEFICIAL USE MAP

The Claim of Beneficial Use Map must be submitted with this claim. Claims submitted without the Claim of Beneficial Use map will be returned. The map shall be submitted on poly film at a scale of 1" = 1320 feet, 1" = 400 feet, or the original full-size scale of the county assessor map for the location.

The changes that were authorized under the transfer final order must be mapped based on the developed locations; new or additional points of appropriation and place of use.

In cases where the order involved additional points of appropriation, the additional points should be mapped based on their developed locations. The original points of appropriation should be mapped based on the original right of record at the time the transfer final order was issued.

In cases where the order involved changing the place of use for a portion of a water right, the portion of the place of use being changed should be mapped based on the developed location. If the transfer also included portions of the place of use that were not being modified, but were receiving a new or additional point of appropriation, the place of use for those lands should be mapped based on the original right of record at the time the transfer final order was issued.

Provide a general description of the survey method used to prepare the map. Examples of possible methods include, but are not limited to, a traverse survey, GPS, or the use of aerial photos. If the basis of the survey is an aerial photo, provide the source, date, series and the aerial photo identification number.

**The COBU map was prepared using tax assessor's maps 4 1E 23, 24, and 24D, overlain by a 2014 aerial photo titled USDA-FSA-APFO NAIP County Mosaic and obtained on line from the Natural Resources Conservation Service, Image Metadata:
<http://datagateway.nrcs.usda.gov/Catalog/ProductDescription/NAIPM.html>.**

Map Checklist

Please be sure that the map you submit includes ALL the items listed below.
(Reminder: Incomplete maps and/or claims may be returned.)

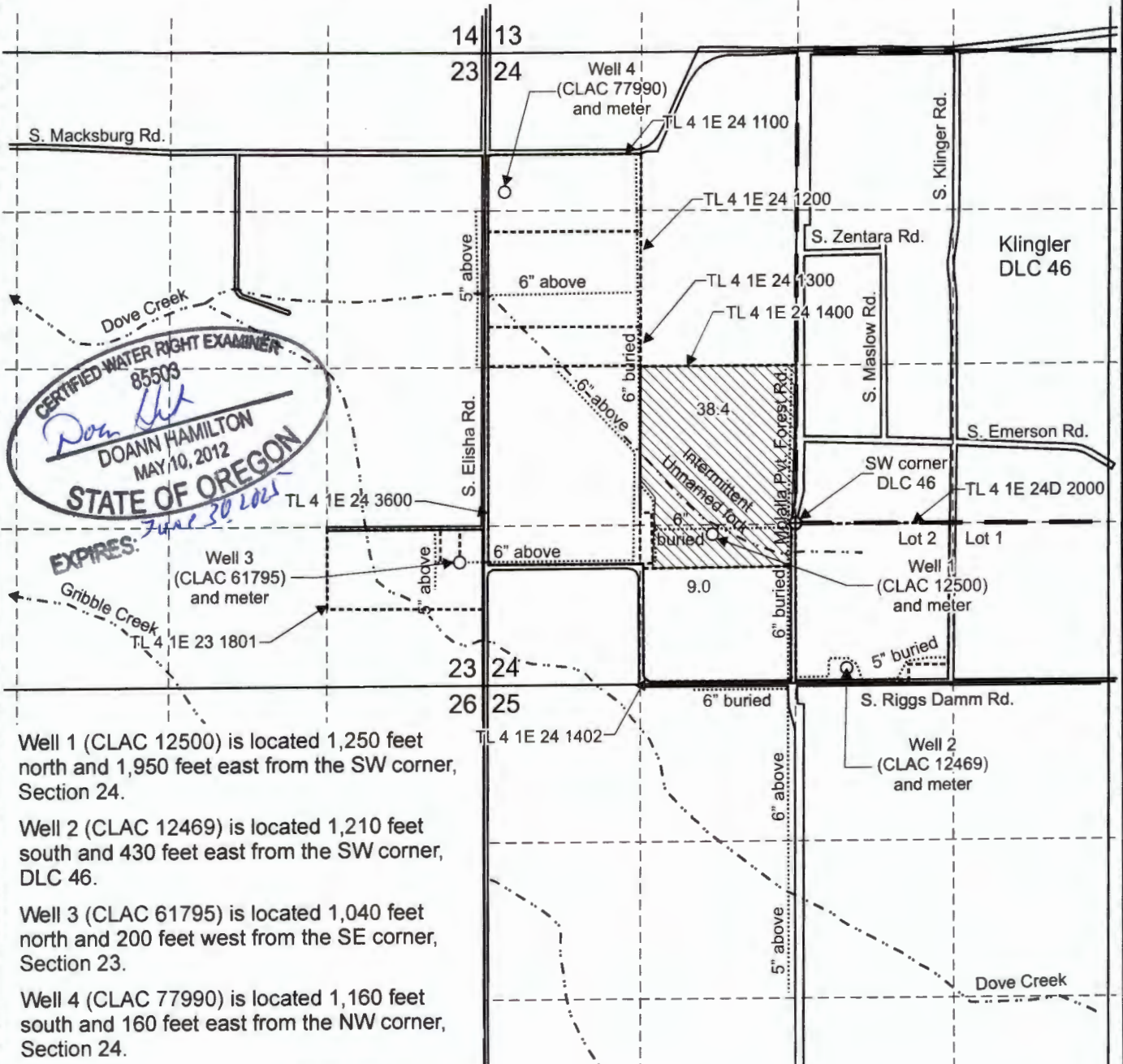
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- Map on polyester film
- Appropriate scale (1" = 400 feet, 1" = 1320 feet, or the original full-size scale of the county assessor map)
- Township, Range, Section, Donation Land Claims, and Government Lots
- If irrigation, number of acres irrigated within each projected Donation Land Claims, Government Lots, Quarter-Quarters
- Locations of fish screens and/or fish by-pass devices in relationship to point of diversion
- Locations of meters and/or measuring devices in relationship to point of diversion or appropriation
- Conveyance structures illustrated (pumps, reservoirs, pipelines, ditches, etc.)
- Point(s) of diversion or appropriation (illustrated and coordinates)
- Tax lot boundaries and numbers
- Source illustrated if surface water
- Disclaimer ("This map is not intended to provide legal dimensions or locations of property ownership lines")

- Application and permit number or transfer number
- North arrow
- Legend
- CWRE stamp and signature

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T.4S. R.1E. Sec. 23, 24 & 25, W.M.



CERTIFIED WATER RIGHT EXAMINER
 85503
Don Hill
DOANN HAMILTON
 MAY 10, 2012
STATE OF OREGON
 EXPIRES: *June 30 2025*

Well 1 (CLAC 12500) is located 1,250 feet north and 1,950 feet east from the SW corner, Section 24.

Well 2 (CLAC 12469) is located 1,210 feet south and 430 feet east from the SW corner, DLC 46.

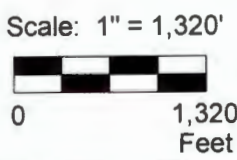
Well 3 (CLAC 61795) is located 1,040 feet north and 200 feet west from the SE corner, Section 23.

Well 4 (CLAC 77990) is located 1,160 feet south and 160 feet east from the NW corner, Section 24.

Area (47.4 Acres) irrigated under T-13425, formerly Certificate 51320, priority date 10-22-1968

- Tax lot boundary
- . — Donation Land Claim boundary
- Water main line

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This map was prepared for the purpose of identifying the location of a water right only and is not intended to provide legal dimensions or location of property ownership lines.

Claim of Beneficial Use Map
T-13425, formerly Certificate 51320

Pacific Hydro-Geology Inc.

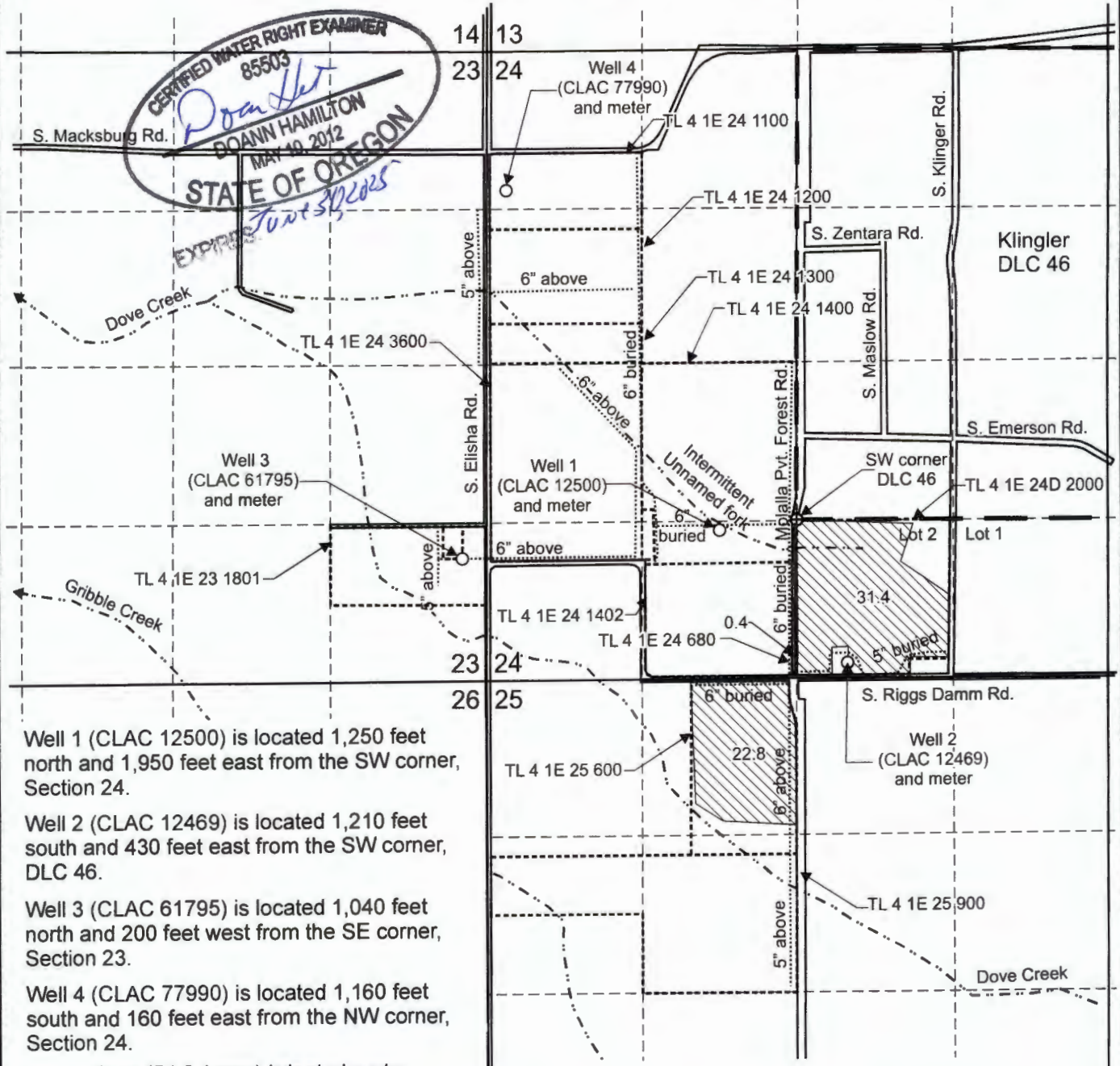
Steve Koch
 T.4S. R.1E. Sec. 23, 24 & 25, W.M.

10/2023

KochCert51320TransCOBUMap.cdr

T.4S. R.1E. Sec. 23, 24 & 25, W.M.

CERTIFIED WATER RIGHT EXAMINER
 85503
Doan
DOANN HAMILTON
 MAY 10, 2012
STATE OF OREGON
 EXPIRES *12/31/2025*



Well 1 (CLAC 12500) is located 1,250 feet north and 1,950 feet east from the SW corner, Section 24.

Well 2 (CLAC 12469) is located 1,210 feet south and 430 feet east from the SW corner, DLC 46.

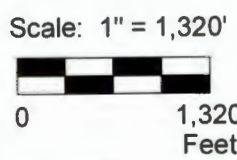
Well 3 (CLAC 61795) is located 1,040 feet north and 200 feet west from the SE corner, Section 23.

Well 4 (CLAC 77990) is located 1,160 feet south and 160 feet east from the NW corner, Section 24.

Area (54.6 Acres) irrigated under T-13425, formerly Certificate 52594, priority date 11-22-1976

- Tax lot boundary
- • — Donation Land Claim boundary
- Water main line

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This map was prepared for the purpose of identifying the location of a water right only and is not intended to provide legal dimensions or location of property ownership lines.

Claim of Beneficial Use Map
T-13425, formerly Certificate 52594

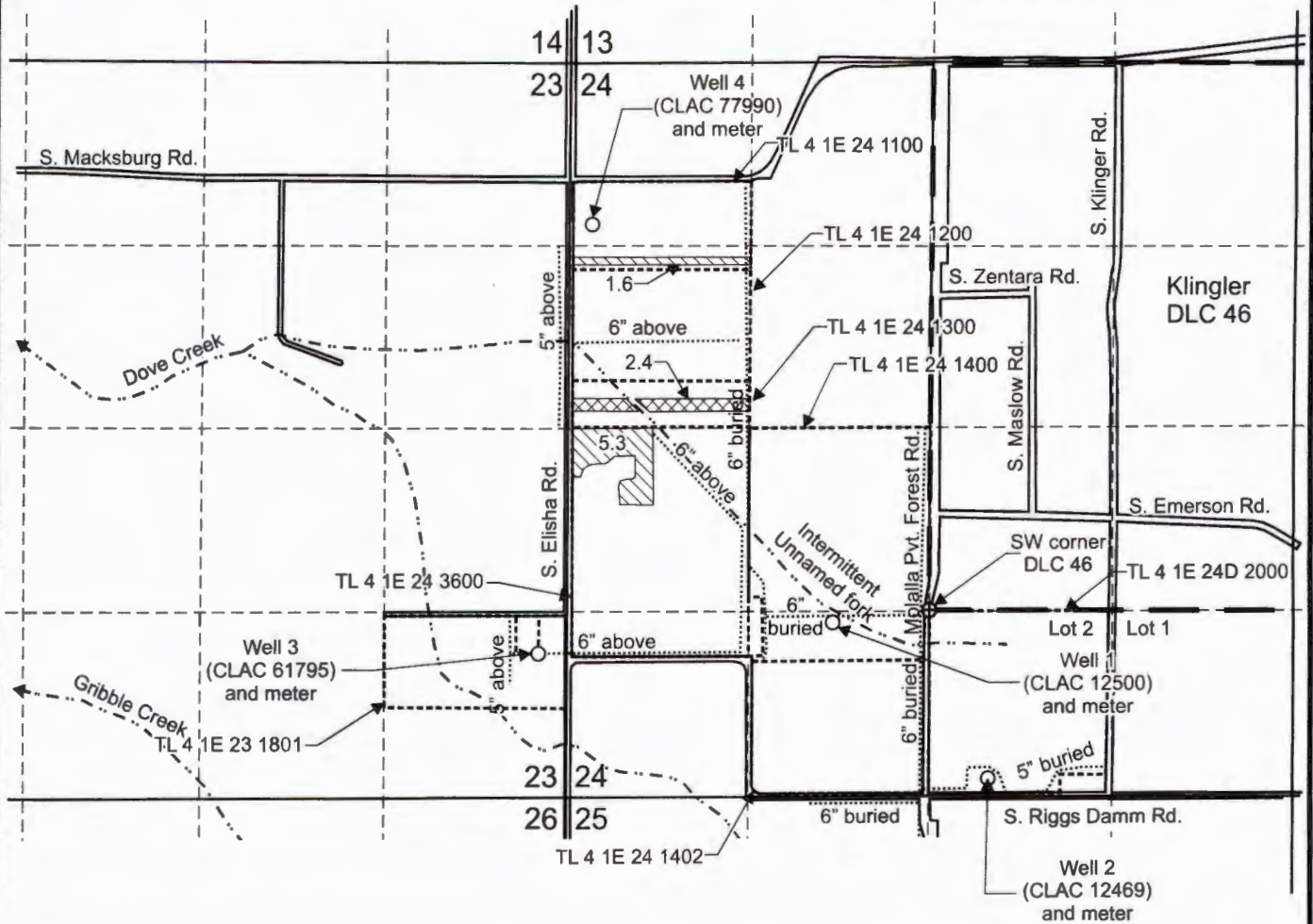
Steve Koch
 T.4S. R.1E. Sec. 23, 24 & 25, W.M.

Pacific Hydro-Geology Inc.



10/2023




KochCert 52594TransCOBUMap.cdr

T.4S. R.1E. Sec. 23, 24 & 25, W.M.



Well 1 (CLAC 12500) is located 1,250 feet north and 1,950 feet east from the SW corner, Section 24.
 Well 2 (CLAC 12469) is located 1,210 feet south and 430 feet east from the SW corner, DLC 46.
 Well 3 (CLAC 61795) is located 1,040 feet north and 200 feet west from the SE corner, Section 23.
 Well 4 (CLAC 77990) is located 1,160 feet south and 160 feet east from the NW corner, Section 24.

-  Area (6.9 Acres) irrigated under T-13425 formerly Certificate 68116, priority date 6-17-64.
-  Area layered with Certificate 94707 (2.4 Acres), irrigated under T-13425 formerly, Certificate 68116, priority date 6-17-64.

-  Donation Land Claim boundary
-  Tax lot boundary
-  Irrigation mainlines

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This map was prepared for the purpose of identifying the location of a water right only and is not intended to provide legal dimensions or location of property ownership lines.

Scale: 1" = 1,320'



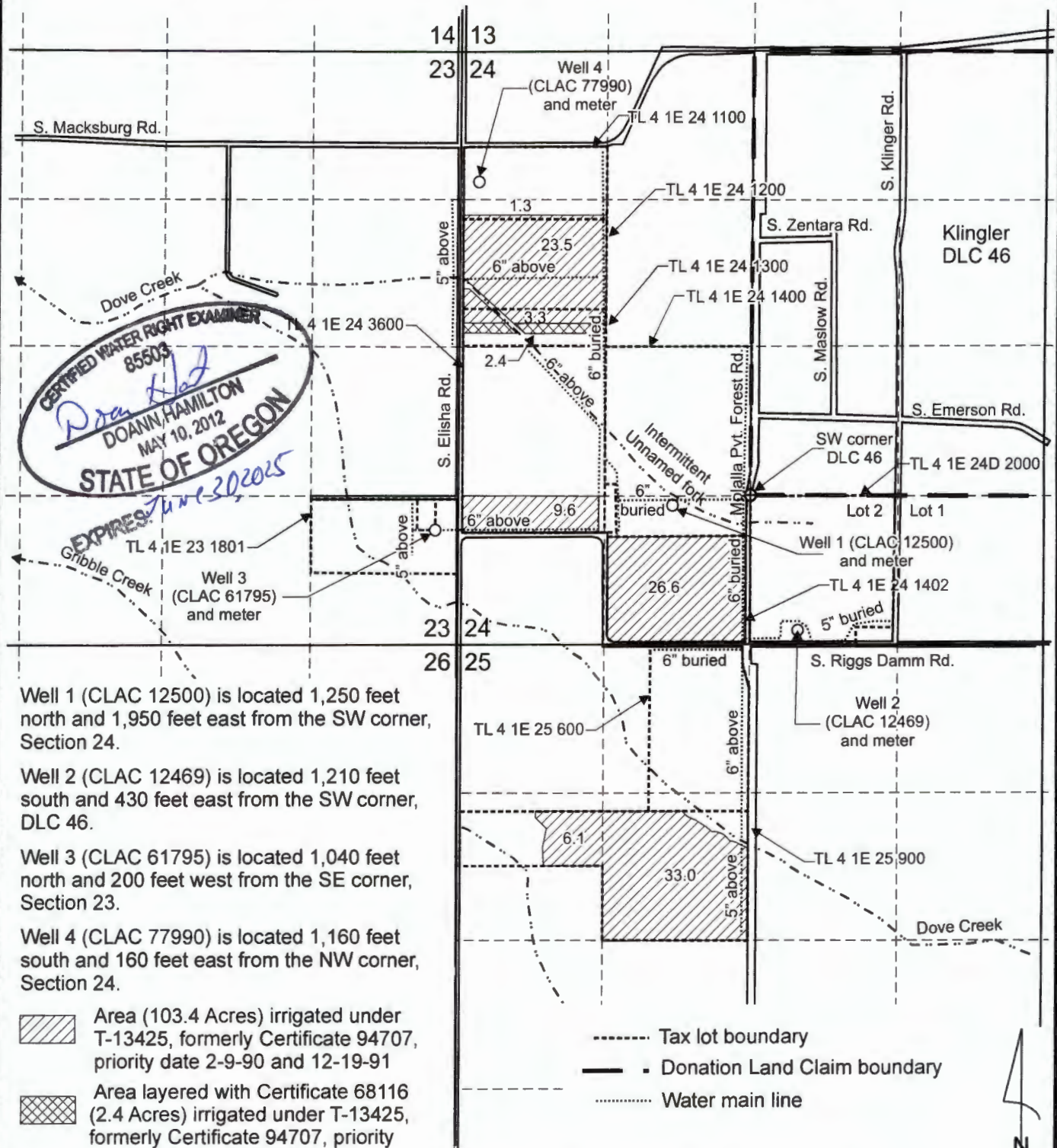
Claim of Beneficial Use Map
T-13425, formerly Certificate 68116

Pacific Hydro-Geology Inc.

Steve Koch
 T.4S. R.1E. Sec. 23, 24 & 25, W.M.

10/2023

T.4S. R.1E. Sec. 23, 24 & 25, W.M.



CERTIFIED WATER RIGHT EXAMINER
 85503
Doann Hamilton
DOANN HAMILTON
 MAY 10, 2012
STATE OF OREGON
 EXPIRES June 30, 2025

Well 1 (CLAC 12500) is located 1,250 feet north and 1,950 feet east from the SW corner, Section 24.

Well 2 (CLAC 12469) is located 1,210 feet south and 430 feet east from the SW corner, DLC 46.

Well 3 (CLAC 61795) is located 1,040 feet north and 200 feet west from the SE corner, Section 23.

Well 4 (CLAC 77990) is located 1,160 feet south and 160 feet east from the NW corner, Section 24.

Area (103.4 Acres) irrigated under T-13425, formerly Certificate 94707, priority date 2-9-90 and 12-19-91

Area layered with Certificate 68116 (2.4 Acres) irrigated under T-13425, formerly Certificate 94707, priority date 2-9-20 and 12-19-91

Scale: 1" = 1,320'

This map was prepared for the purpose of identifying the location of a water right only and is not intended to provide legal dimensions or location of property ownership lines.

Claim of Beneficial Use Map
 T-13425, formerly Certificate 94707

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Pacific Hydro-Geology Inc.

Steve Koch
 T.4S. R.1E. Sec. 23, 24 & 25, W.M.

NOV 17 2023

10/2023

OWRD

KochTrans94707COBUMap.cdr

CLAC

12500

NC

NOTICE TO WATER WELL CONTRACTOR

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

STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.

WATER WELL REPORT

STATE OF OREGON (Please type or print)

G-4654

State Well No. 4/1-24

State Permit No.

(1) OWNER:

Name Rufus Knorberger & Joe Kroes
Address Rt 3 Box 184
Conby Ore.

(2) LOCATION OF WELL:

County Clackamas Driller's well number
NE 1/4 SW 1/4 Section 24 T. 45 R. 1E W.M.
Bearing and distance from section or subdivision corner

(3) TYPE OF WORK (check):

New Well [X] Deepening [] Reconditioning [] Abandon []
Abandonment, describe material and procedure in Item 12.

(4) PROPOSED USE (check):

Domestic [] Industrial [] Municipal []
Irrigation [X] Test Well [] Other []
Rotary [] Cable [X] Dug []
Driven [] Jetted [] Bored []

(5) TYPE OF WELL:

(6) CASING INSTALLED:

10" Diam. from 0 ft. to 4.34 ft. Gage 1250
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(7) PERFORATIONS:

Perforated? [X] Yes [] No
Type of perforator used Steir 4 way
Size of perforations 1/4 in. by 2 in.
2.00 perforations from 1.70 ft. to 1.80 ft.
3.00 perforations from 2.30 ft. to 2.45 ft.
2.00 perforations from 3.65 ft. to 3.75 ft.
2.00 perforations from 3.90 ft. to 3.95 ft.

(8) SCREENS:

Well screen installed? [] Yes [X] No
Manufacturer's Name
Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(9) CONSTRUCTION:

Well seal—Material used in seal Grout
Depth of seal 4.0 ft. Was a packer used? NO
Diameter of well bore to bottom of seal 16 in.
Were any loose strata cemented off? [] Yes [X] No Depth
Was a drive shoe used? [X] Yes [] No
Was well gravel packed? [] Yes [X] No Size of gravel:
Gravel placed from ft. to ft.
Did any strata contain unusable water? [] Yes [X] No
Type of water? depth of strata
Method of sealing strata off

(10) WATER LEVELS:

Static level 17 ft. below land surface Date 8-11
Artesian pressure lbs. per square inch Date

(11) WELL TESTS:

Drawdown is amount water level is lowered below static level
Was a pump test made? [X] Yes [] No If yes, by whom? Miller
Yield: 500 gal./min. with 73 ft. drawdown after 4 hrs.
" " " "
" " " "
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water 53° Was a chemical analysis made? [] Yes [X] No

(12) WELL LOG:

Diameter of well below casing 10
Depth drilled 446 ft. Depth of completed well 446 ft.
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

Table with columns: MATERIAL, FROM, TO. Rows include: Top Soil, Dark Brown silt & clay, Cement gravel (Brown), Clay (Green), Clay Gray, Clay & sand (water), Clay Dark Blue, Clay Gray, Clay (Redish brown), Sand (course) water, Clay (gray), Clay (Dark Blue), Clay (Green), Clay (Dark), Clay & fine gravel, Clay (Dark Blue), Clay Stone (Crumbles) water, Clay (Gray), Clay & Dark silt, Sand (water)

Work started 5-12 1966 Completed 8-11 1966
Date well drilling machine moved off of well 8-11 1966

(13) PUMP:

Manufacturer's Name
Type:
NOV 17 2023

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 John W Beck Well Drilling
(Person, firm or corporation) (Type or print)

Address Rt 3 Box 4.5 Conby Ore.

Drilling Machine Operator's License No. 437

[Signed] John W Beck
(Water Well Contractor)

Contractor's License No. 449 Date 8-12 1966

NOTICE TO WATER WELL CONTRACTOR

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

WATER WELL REPORT

RECEIVED

STATE OF OREGON

(Please type or print)

(Do not write above this line)

CLAC
612469

State Well No. 45/1E-24

State Permit No.

STATE ENGINEER, SALEM, OREGON 97308
within 30 days from the date of well completion.

JAN 06 1976

(1) OWNER:

WATER RESOURCES DEPT.

Name Mrs. John Koch SALEM, OREGON
Address 11585 S. Riggs Dam Rd.
Canby, Oregon 97013

(2) TYPE OF WORK (check):

New Well Deepening Reconditioning Abandon

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary Driven
Cable Jetted
Dug Bored

(4) PROPOSED USE (check):

Domestic Industrial Municipal
Irrigation Test Well Other

CASING INSTALLED:

Threaded Welded
8" Diam. from 2 ft. to 198 ft. Gage 250
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(6) PERFORATIONS:

Perforated? Yes No.

Type of perforator used Mills knife
Size of perforations 3/8 in. by 3 in.
60 perforations from 80 ft. to 90 ft.
18 perforations from 111 ft. to 113 ft.
18 perforations from 124 ft. to 126 ft.
102 perforations from 152 ft. to 188 ft.

(7) SCREENS:

Well screen installed? Yes No

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

(8) WELL TESTS:

Drawdown is amount water level is lowered below static level

Was a pump test made? Yes No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " " " "
" " " " " "
Bailer test 60 gal./min. with 6 ft. drawdown after 11 hrs.
Artesian flow g.p.m.
Temperature of water 54 Depth artesian flow encountered ft.

(9) CONSTRUCTION:

Well seal—Material used Bentonite
Well sealed from land surface to 30 ft.
Diameter of well bore to bottom of seal 12 in.
Diameter of well bore below seal 8 in.
Number of sacks of cement used in well seal sacks
Number of sacks of bentonite used in well seal 5 sacks
Brand name of bentonite International
Number of pounds of bentonite per 100 gallons of water 100 lbs./100 gals.
Was a drive shoe used? Yes No Size: location ft.
Did any strata contain unusable water? Yes No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? Yes No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:

County Clackamas Driller's well number
SW 1/4 SE 1/4 Section 24 T. 4S R. 1E W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.

Depth at which water was first found 80 ft.
Static level 20 ft. below land surface. Date 10/24/75
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing 8
Depth drilled 227 ft. Depth of completed well 227 ft.

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

MATERIAL	From	To	SWL
Top soil	6	2	
Clay, tan	2	14	
Clay, blue	14	36	
Clay, blue & gravel	36	48	
Gravel with clay, brown	48	80	
Gravel, med, brown	80	90	20
Clay, tan with gravel	90	111	
Gravel, med, brown	111	114	20
Gravel with clay	114	118	
Gravel, med, brown	118	120	20
Gravel with clay, blue	120	124	
Gravel, med.	124	126	20
Clay, grey	126	152	
Shale, hard, gritty	152	154	16
Clay, grey to blue	154	175	
Gravel, med. sand, med.	175	178	20
Sandy, clay, black	178	181	
Gravel, med. Sand, coarse	181	188	20
Cont.			

Work started 10/16 19 75 Completed 12/18 19 75
Date well drilling machine moved off of well 12/18 19 75

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] C. G. Westerberg Date 12/19, 19 75
(Drilling Machine Operator)

Drilling Machine Operator's License No. 86

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 C. G. Westerberg (Person, firm or corporation) (Type or print)

Address Rt. 1, Box 151, Mulino, Oregon

[Signed] C. G. Westerberg (Water Well Contractor)

Contractor's License No. 86 Date 12/19, 19 75

NOTICE TO WATER WELL CONTRACTOR
The original and first copy
of this report are to be
filed with the

STATE ENGINEER, SALEM, OREGON 97310
within 30 days from the date
of well completion.

WATER WELL REPORT

STATE OF OREGON
(Please type or print)

(Do not write above this line)

CLAC

State Well No. H.S./IE-24

State Permit No. _____

(1) OWNER:

Name Mrs. John Koch
Address 11585 S. Riggs Damm Rd.
Canby, Oregon

(2) TYPE OF WORK (check):

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

(3) TYPE OF WELL:

Rotary Driven
Cable Jetted
Dug Bored

(4) PROPOSED USE (check):

Domestic Industrial Municipal
Irrigation Test Well Other

(5) CASING INSTALLED:

Threaded Welded

" Diam. from _____ ft. to _____ ft. Gage _____
" Diam. from _____ ft. to _____ ft. Gage _____
" Diam. from _____ ft. to _____ ft. Gage _____

(6) PERFORATIONS:

Perforated? Yes No.

Type of perforator used _____
Size of perforations _____ in. by _____ in.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

(7) SCREENS:

Well screen installed? Yes No

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

(8) WELL TESTS:

Drawdown is amount water level is lowered below static level

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

(9) CONSTRUCTION:

Well seal—Material used _____
Well sealed from land surface to _____ ft.
Diameter of well bore to bottom of seal _____ in.
Diameter of well bore below seal _____ in.
Number of sacks of cement used in well seal _____ sacks
Number of sacks of bentonite used in well seal _____ sacks
Brand name of bentonite _____
Number of pounds of bentonite per 100 gallons of water _____ lbs./100 gals.
Was a drive shoe used? Yes No Plugs _____ Size: location _____ ft.
Did any strata contain unusable water? Yes No
Type of water? _____ depth of strata _____
Method of sealing strata off _____
Was well gravel packed? Yes No Size of gravel: _____
Gravel placed from _____ ft. to _____ ft.

(10) LOCATION OF WELL:

County Clackamas Driller's well number _____
SW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 24 T. 4S R. 1E W.M.
Bearing and distance from section or subdivision corner _____

(11) WATER LEVEL: Completed well.

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

(12) WELL LOG:

Diameter of well below casing _____
Depth drilled _____ ft. Depth of completed well _____ ft.

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

MATERIAL	From	To	SWL
Cont.			
Clay, purple, sandy	188	192	
Clay, grey	192	201	
Sandstone, formation black	201	218	26
Clay, grey, sandy	218	221	
Clay, grey	221	227	

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WATER RESOURCES DEPT.
SALEM, OREGON

NOV 17 2023

OWRD

Work started 10/16 1975 Completed 12/18 1975
Date well drilling machine moved off of well 12/18 1975

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] C. G. Westerberg Date 12/19, 1975
(Drilling Machine Operator) 86

Drilling Machine Operator's License No. _____

Water Well Contractor's Certification:

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

Name C. G. Westerberg
(Person, firm or corporation) (Type or print)

Address Box 151, Mulino, Oregon

[Signed] C. G. Westerberg
(Water Well Contractor)

Contractor's License No. 86 Date 12/19, 1975

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STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.760)

NOV 23 2005
Westerberg Drilling, Inc.
36728 S. Kropf Rd.
Metalla, OR 97038
SALEM, OREGON

WELL I.D. # L 78668

START CARD # 182473

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

(1) LAND OWNER Well Number _____
Name **Steve Koch**
Address **27815 S. Elisha Rd.**
City **Canby** State **OR** Zip **97013**

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

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

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

(5) BORE HOLE CONSTRUCTION Special Construction: Yes No
Depth of Completed Well **250** ft.
Explosives used: Yes No Type _____ Amount _____

Diameter	BORE HOLE		Material	SEAL		Sacks or Pounds
	From	To		From	To	
12"	0	45	Bentonite	0	45	45 sacks
8"	45	250				

How was seal placed: Method A B C D E
 Other **Bentonite placed dry**

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

(6) CASING/LINER

Diameter	From	To	Gauge	Steel				Plastic		Welded		Threaded	
				✓	□	□	□	□	□	□	□		
Casing: 8"	+1.5'	248	250	✓	□	□	□	□	□	□	□	□	□
Liner: None				□	□	□	□	□	□	□	□	□	□

Drive Shoe used Inside Outside None
Final location of shoe(s) **248'**

(7) PERFORATIONS/SCREENS
 Perforations Method **Holte Air perforator**
 Screens Type _____ Material _____

From	To	Slot Size	Number	Diameter	Tele/pipe size	Casing	Liner
180	212	1/8x3	1920			✓	□

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

Yield gal/min	Drawdown	Drill stem at	Time
200	N/A	160'	1 hr.

Temperature of water **56** Depth Artesian Flow Found _____
Was a water analysis done? Yes By whom _____
Did any strata contain water not suitable for intended use? Too little
 Salty Muddy Odor Colored Other _____
Depth of strata: _____

(9) LOCATION OF WELL (legal description)
County **Clackamas**
Tax Lot **1801** Lot _____
Township **4** S Range **1** E WM
Section **23** SE 1/4 SE 1/4

Lat _____ " or _____ (degrees or decimal)
Long _____ " or _____ (degrees or decimal)

Street Address of Well (or nearest address) **27815 S. Elisha Rd.**
Canby, OR 97013

(10) STATIC WATER LEVEL
45 ft. below land surface. Date **11-18-05**

Artesian pressure _____ lb. per square inch Date _____

(11) WATER BEARING ZONES
Depth at which water was first found **86'**

From	To	Estimated Flow Rate	SWL
86	160	20-30 gpm	DNM
180	212	200 gpm	45'
225	230	50-100 gpm	DNM

(12) WELL LOG Ground Elevation _____

Soil	Material	From	To	SWL
Clay silty brown		0	1	
Silt blue		1	23	
Clay grey		23	36	
Cemented gravel brown & grey		36	38	
Cemented gravel tight		38	63	
Cemented gravel grey		63	70	
Silt grey		70	83	
Gravel grey		83	86	
Silt grey packed		86	89	
Clay grey		89	100	
Packed silt grey hard		100	105	
Packed silt green		105	115	
Gravel		115	127	
Packed silt grey		127	128	
		128	131	

continued on page 2

Date Started **11-10-05** Completed **11-18-05**

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

WWC Number **1358** Date **11-21-05**

Signed *[Signature]*

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

WWC Number **668** Date **11-21-05**

Signed *[Signature]*

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36728 S. Kropf Rd., Molalla, OR 97038 • Phone: (503) 829-2526 FAX (503) 829-7514

WELL ID# L 78668
 OWNER: Steve Koch
 ADDRESS: 27815 S. Elisha Rd.
 CITY/STATE/ZIP: Canby, OR 97013

WELL ADDRESS: Same
 COUNTY Clackamas TOWNSHIP 4S RANGE 1E
 SECTION 23 SE 1/4 SE 1/4 TAX LOT 1801

(12) WELL LOG INFO. CONT'D FROM PREVIOUS PAGE:

MATERIAL	FROM	TO	SWL
Clay grey	131	135	
Packed silt green	135	140	
Silt w/ packed sand seams	140	143	
Packed silt grey	143	145	
Siltstone grey	145	156	
Siltstone grey & brown	156	167	
Packed sand brown coarse loosely packed	167	170	
Packed sand grey coarse w/ fine gravel	170	180	
Packed sand loosely packed	180	192	
Packed sand grey	192	195	
Siltstone grey w/ packed sand	195	212	
Clay grey	212	215	
Siltstone grey soft	215	219	
Siltstone grey & green w/ packed sand	219	224	
Packed sand green w/ wood	224	225	
Sand grey fine to coarse	225	230	
Packed sand dry	230	233	
Clay grey	233	240	
Silt grey	240	250	
Westerberg Drilling, Inc. 36728 S. Kropf Rd. Molalla, OR 97038			

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 WATER RESOURCES DEPT
 SALEM, OREGON

STATE OF OREGON WATER SUPPLY WELL REPORT

WESTERBERG DRILLING INC PO BOX 1228 ORIGINAL LOG #

WELL I.D. LABEL# L146621 START CARD # 1059267

(as required by ORS 537.545 & 537.765 and OAR 690-205-0210)

(1) LAND OWNER Don Molalla, OR 97038

(2) TYPE OF WORK New Well

(2a) PRE-ALTERATION Casing: 14 0 60

(3) DRILL METHOD Rotary Air

(4) PROPOSED USE Irrigation

(5) BORE HOLE CONSTRUCTION Depth of Completed Well 455 ft.

Table with columns: Dia, From, To, Material, From, To, Amt, Sacks/lbs

How was seal placed: Method C

(5a) ABANDONMENT USING UNHYDRATED BENTONITE

(6) CASING/LINER Casing Dia 10, 8, 6, 6, 6

(7) PERFORATIONS/SCREENS Perforations Method

Table with columns: Perf/Screen, Casing/Liner, Dia, From, To, Scrn/slot width, Slot length, # of slots, Tel/pipe size

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

(9) LOCATION OF WELL (legal description) County CLACKAM

(10) STATIC WATER LEVEL Existing Well / Pre-Alteration

Table with columns: SWL Date, From, To, Est Flow, SWL(psi), SWL(ft)

(11) WELL LOG Ground Elevation

(unbonded) Water Well Constructor Certification

(bonded) Water Well Constructor Certification

WATER SUPPLY WELL REPORT -
continuation page

WESTERBERG DRILLING INC.
PO BOX 1228
MOLALLA, OR 97008

WELL I.D. LABEL# 14621
START CARD # 1059267
ORIGINAL LOG #

(2a) PRE-ALTERATION

Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd

Material	From	To	Amt	sacks/lbs

(5) BORE HOLE CONSTRUCTION

BORE HOLE			SEAL				sacks/
Dia	From	To	Material	From	To	Amt	lbs
			Bentonite	57	60	6	5
				Calculated		2	
				Calculated			
				Calculated			
				Calculated			

FILTER PACK

From	To	Material	Size

(6) CASING/LINER

Casing Liner	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
	6		378	392	.250				
	6		396	429	.250				
	6		435	444	.250				
	6		454	461	.250				

(7) PERFORATIONS/SCREENS

Perf/ Screen Liner	Casing/ Screen Dia	From	To	Scrn/slot width	Slot length	# of slots	Tele/ pipe size
Sc	6	429	435	.070			6 ps
Sc	6	444	454	.070			6 ps

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

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)

Specialty Concerns

From	To	Description	Amount	Units

(10) STATIC WATER LEVEL

SWL Date	From	To	Est Flow	SWL (psi)	+ SWL (ft)
11-24-22	393	395	dnm		dnm
11-28-22	430	434	dnm		76
11-29-22	445	452	dnm		dnm

(11) WELL LOG

Material	From	To
siltstone green	229	243
sand loose & cemented grey	243	247
clay grey	247	274
packed silt grey	274	280
claystone green	280	295
silt grey	295	320
clay grey sticky	320	350
packed silt grey	350	357
siltstone	357	364
claystone green	364	375
silt grey	375	377
claystone grey	377	393
claystone green	393	395
claystone/siltstone green	395	400
siltstone grey green	400	429
siltstone lavender	429	430
sand grey some cemented	430	434
siltstone tan	434	436
siltstone dark grey	436	445
sand black	445	452
claystone green	452	461

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MAY 30 2023

OWRD

Comments/Remarks

8"x6" bell reducer welded on from 213-214
 cement plug in tail pipe 455-461
 10" drive shoe cut off at 455
 This well is for water right permit G-15950 (Steve Koch)

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