

**CLAIM OF
BENEFICIAL USE
for Groundwater Permits
claiming more than 0.1 cfs**



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

**A fee of \$230 must accompany this form for permits
with priority dates of July 9, 1987, or later.**

A separate form shall be completed for each permit.

In cases where a permit has been amended through the permit amendment process, a separate claim for the permit amendment is not required. Incorporate the permit amendment into the claim for the permit.

This form is subject to revision. **Begin each new claim** by checking for a new version of this form at:
<https://www.oregon.gov/OWRD/Forms/Pages/default.aspx>

The completion of this form is required by OAR 690-014-0100(1) and 690-014-0110(4).

Please type or print in dark ink. If this form is found to contain errors or omissions, it may be returned to you. **Every item must have a response.** If any requested information does not apply to the claim, insert "NA." **Do not delete or alter any section of this form unless directed by the form.** The Department may require the submittal of additional information from any water user or authorized agent.

"Section 8" of this form is intended to aid in the completion of this form and should not be submitted.

A claim of beneficial use includes both this report and a map. If the map is being mailed separately from this form, please include a note with this form indicating such.

If you have questions regarding the completion of this form, please call 503-979-9103.

The Department has a program that allows it to enter into a voluntary agreement with an applicant for expedited services. Under such an agreement, the applicant pays the cost to hire additional staff that would not otherwise be available. This program means a certificate may be issued in about a month. For more information on this program see

<https://www.oregon.gov/OWRD/programs/WaterRights/RA/Pages/default.aspx>

**SECTION 1
GENERAL INFORMATION**

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1. File Information:

APPLICATION #	PERMIT # (IF APPLICABLE)	PERMIT AMENDMENT # (IF APPLICABLE)
G-15478	G-15220	T-

2. Property Owner (current owner information):

APPLICANT/BUSINESS NAME John R. Murray and Anne Catherine Murray (Brother and Sister)		PHONE NO.	ADDITIONAL CONTACT NO.
ADDRESS PO Box 427			
CITY Heppner	STATE OR	ZIP 97836	E-MAIL

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

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

PERMIT HOLDER OF RECORD John R. Murray and Anne Catherine Murray (Brother and Sister)		
ADDRESS PO Box 427		
CITY Heppner	STATE OR	ZIP 97836

4. Date of Site Inspection:

**10/20/2015, 3/23/2017, and
3/7/2024**

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

NAME	DATE	ASSOCIATION WITH THE PROJECT
John Murray	3/23/2017 and 3/7/2024	Co-Owner and operator
Roderick Murray	10/20/2015 and 3/23/2017	Owner in 2015 and 2017, now deceased

6. County:

Morrow

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

OWNER OF RECORD John R. Murray and Anne Catherine Murray (Brother and Sister)		
ADDRESS PO Box 427		
CITY Heppner	STATE OR	ZIP 97836

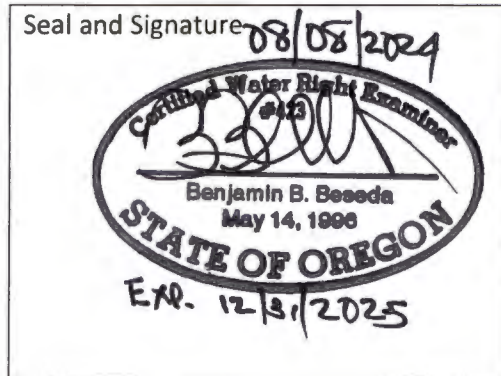
Add additional tables for owners of record as needed

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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.

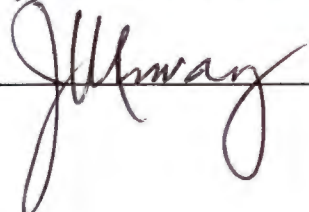


CWRE NAME Ben Beseda	PHONE NO. 541-296-9177	ADDITIONAL CONTACT NO.	
ADDRESS 3775 Crates Way			
CITY The Dalles	STATE OR	ZIP 97058	E-MAIL besedab@aks-eng.com

Permit Holder of Record Signature or Acknowledgement

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

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

SIGNATURE	PRINT OR TYPE NAME	TITLE	DATE
	Anne Catherine Murray	Owner	7/14/24
	John R. Murray	Owner	7/14/24

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SECTION 3

CLAIM DESCRIPTION

1. Point of appropriation name or number:

POINT OF APPROPRIATION (POA) NAME OR NUMBER (CORRESPOND TO MAP)	WELL LOG ID # FOR ALL WORK PERFORMED ON THE WELL (IF APPLICABLE)	WELL TAG # (IF APPLICABLE)
Well	MORR 35	121707

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

2. Point of appropriation source, if indicated on permit:

POA NAME OR NUMBER	SOURCE BASIN LOCATED WITHIN	TRIBUTARY
Well	Rhea Creek Basin	Willow Creek

3. Developed use(s), period of use, and rate for each use:

POA NAME OR NUMBER	USES	IF IRRIGATION, LIST CROP TYPE	SEASON OR MONTHS WHEN WATER WAS USED	ACTUAL RATE OR VOLUME USED (CFS, GPM, OR AF)
Well	Supplemental Irrigation	Alfalfa, Pasture, and Lawn & Garden	March 1 to October 31	0.72 cfs (324 gpm)
Total Quantity of Water Used				0.72 cfs (324 gpm)

4. Provide a general narrative description of the distribution works. This description must trace the water system from **each** point of appropriation to the place of use:

Water is used from the well is used 2 ways.

One system is that water is pumped from the well up to the ditch (System for the Rhea Creek Primary Water Right) in the Southeast Corner of the property by 4" aluminum pipe connected to the buried 4" PVC line. The buried line is part of second system. This system can irrigate all 98 acres by flood irrigation.

The second system is a buried 3- and 4-inch PVC pipe. The 3" PVC line runs from the well to just south of the house. The 4" PVC lines runs is in the area of the well. From the Second system irrigation is by a wheel line, 2 big guns or lawn and garden sprinklers. This irrigation system only irrigates the area from the south property line to the house area.

Reminder: The map associated with this claim must identify the location of the point(s) of diversion, Donation Land Claims (DLC), Government Lots (GLot), and Quarter-Quarters (QQ).

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5. Variations:

Was the use developed differently from what was authorized by the permit, permit amendment final order, or extension final order? If yes, describe below.

YES NO

(e.g. "The permit allowed three points of appropriation. The water user only developed one of the points." or "The permit allowed 40.0 acres of irrigation. The water user only developed 10.0 acres.")

This application was made for the purpose of supplying supplemental water to the lands covered by Certificate 218. This was accomplished by either flood irrigation of the land using the ditch established to irrigate the ground under Certificate 218 or a pump irrigation system for land east of Rhea Creek.

What is different is the land description by ¼ ¼. The Application map was a copy of the Certificate 218 map. The map used for the certificate map is of poor quality by today's standard but is pictorially a representation of what is going on. The general location of the ditch shape is similar. If you look at the general shape of the fields it is similar. Looking at adjacent east-west ¼ ¼ s there is a similarity in acreage. The NESW and NWSE, Section 35 have 26 acres on Certificate Map and 27 acres on Claim Map. The SESW and SWSE, Section 35 have 44 acres on Certificate Map and 41.8 acres on Claim Map. The NENW and NWNE, Section 2 have 28 acres on Certificate Map and 29.2 acres on Claim Map. This similarity does not hold with north-south adjacent ¼ ¼ s.

Because of the controlling elevation is the Rhea Creek point of diversion and gravity ditch entering the South East corner of the property, there is doubt that the ditch has moved over the years. If there was any change it would appear that it would have to move downhill not uphill, to decrease acreage not increase acreage.

6. Claim Summary:

POA NAME OR #	MAXIMUM RATE AUTHORIZED	CALCULATED THEORETICAL RATE BASED ON SYSTEM	AMOUNT OF WATER MEASURED	USE	# OF ACRES ALLOWED	# OF ACRES DEVELOPED
Well	1.22 cfs	324 gpm (0.72 cfs)	324 gpm (0.72 cfs)	Supplemental Irrigation	98.0	98.0

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SECTION 4
SYSTEM DESCRIPTION

Are there multiple POAs?

YES **NO**

If "YES" you will need to copy and complete a separate Section 4 for each POA.

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

Well

A. Place of Use

1. Is the right for municipal use?

YES **NO**

TWP	RNG	MER	SEC	QQ	GLOT	DLC	USE	IF IRRIGATION, # PRIMARY ACRES	IF IRRIGATION, # SUPPLEMENTAL ACRES
1S	24E	W	35	NE of SW			Supp'l IR		2.8
				SE of SW			Supp'l IR		17.3
				NW of SE			Supp'l IR		24.2
				SW of SE			Supp'l IR		24.5
2S	24E	W	2	NW of NE			Supp'l IR		2.4
				NE of NW			Supp'l IR		26.8
Total Acres Irrigated									98.0

Reminder: The map associated with this claim must identify Donation Land Claims (DLC), Government Lots (GLOT), Quarter Quarters (QQ), and if for irrigation, the number of acres irrigated within each projected DLC, GLOT, and QQ.

B. Groundwater Source Information (Well)

1. Is the appropriation from a well?

YES **NO**

2. Describe the access port (type and location) or other means to measure the water level in the well:

¾" access port in sanitary seal

3. If well logs are not available, provide as much of the following information as possible:

CASING DIAMETER	CASING DEPTH	TOTAL DEPTH	COMPLETION DATE OF ORIGINAL WELL	COMPLETION DATES OF ALTERATIONS	WHO THE WELL WAS DRILLED FOR	WELL DRILLED BY
See Well	Report	MORR	35			

4. In addition to the information requested in item "3" above, provide any other information which may help the Department locate any well logs associated with this appropriation.

C. Groundwater Source Information (Sump)

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

YES NO

D. Diversion and Delivery System Information

Provide the following information concerning the diversion and delivery system. Information provided must describe the equipment used to transport and apply the water from the point of appropriation to the place of use.

1. Is a pump used?

YES NO

2. Pump Information:

MANUFACTURER	MODEL	SERIAL NUMBER	TYPE (CENTRIFUGAL, TURBINE OR SUBMERSIBLE)	INTAKE SIZE	DISCHARGE SIZE
			Submersible		3"

3. Motor Information:

MANUFACTURER	HORSEPOWER
	40

4. Theoretical Pump Capacity:

HORSEPOWER	OPERATING PSI	LIFT FROM SOURCE TO PUMP *If a well, the water level DURING PUMPING	LIFT FROM PUMP TO PLACE OF USE	TOTAL PUMP OUTPUT (IN cfs)
40 (Open Discharge to Ditch)	5	370'	10'	0.72 cfs (324 gpm)
40 (pump irrigation)	50	400'	10' to -20'	0.52 cfs (233 gpm)

5. Provide pump calculations:

Pumping up to Flood Ditch

Pump Capacity Calculation Sheet

using Department designed formula:

$$(\text{hp})(\text{efficiency}) / (\text{lift} + \text{psi head}) = \text{capacity in cfs}$$

Efficiency:

Centrifugal = 6.61

Turbine = 7.04

Data Entry (fill in underlined blanks)

HP = 40
Efficiency = 7.04
Lift = 380
PSI = 5

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**Results
Calculated**

(hp)(efficiency) = 281.6
Head based on psi
= 12.7
Total dynamic head
= 392.7
(head + lift)

Pump Capacity = 0.72 **cubic feet per
second**

**Pump Irrigation System Capacity
(Running 2 Big Guns)****Pump Capacity Calculation Sheet**

using Department designed formula:

$(hp)(efficiency) / (lift + psi \text{ head}) = \text{capacity in cfs}$

Efficiency:

Centrifugal = 6.61

Turbine = 7.04

Data Entry (fill in underlined blanks)

HP = 40
Efficiency = 7.04
Lift = 410
PSI = 50

**Results
Calculated**

(hp)(efficiency) = 281.6
Head based on psi
= 127.0
Total dynamic head
= 537.0
(head + lift)

Pump Capacity = 0.52 **cubic feet per
second**

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

INITIAL METER READING	ENDING METER READING	DURATION OF TIME OBSERVED	TOTAL PUMP OUTPUT (IN CFS)
05.6082 Acre feet 1 minute after pump turned on	05.6256 Acre Feet 15 minutes after pump turned on	14 minutes	0.90 cfs (405 gpm)
05.6256 Acre Feet 15 minutes after pump turned on	05.6405 Acre Feet 30 minutes after pump turned on	15 minutes	0.72 cfs (324 gpm)
See attached 3 pictures of flow meter taken during test pump. Test run 4/7/2023	This was pumping open discharge into the system 1 flood ditch. See Page 4, Item 4.	After 30 minutes the well discharge stabilizes between 310 gpm and 330 gpm	

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

7. Is the distribution system piped?

YES NO

8. Mainline Information:

MAINLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
3"	1500'	PVC	Buried
4"	1000'	PVC	Buried
4"	400'	Aluminum	Above

9. Lateral or Handline Information:

LATERAL OR HANDLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
3" Wheel line	960'	Aluminum	Above
4" hose	100'	Rubber	Above

10. Sprinkler Information:

SIZE	OPERATING PSI	SPRINKLER OUTPUT (GPM)	TOTAL NUMBER OF SPRINKLERS	MAXIMUM NUMBER USED	TOTAL SPRINKLER OUTPUT (CFS)
9/64"	50	4	24	24	0.21 cfs (96 gpm)
3/4" x 3/64" Big Gun	50	117	2	2	0.52 cfs (234 gpm) *
*Maximum	Run with	the pressure	Pump	System	

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

11. Drip Emitter Information:

SIZE	OPERATING PSI	EMITTER OUTPUT (GPM)	TOTAL NUMBER OF EMITTERS	MAXIMUM NUMBER USED	TOTAL EMITTER OUTPUT (CFS)
NA					

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12. Drip Tape Information:

DRIPPER SPACING IN INCHES	GPM PER 100 FEET	TOTAL LENGTH OF TAPE	MAXIMUM LENGTH OF TAPE USED	TOTAL TAPE OUTPUT (CFS)	ADDITIONAL INFORMATION
NA					

13. Pivot Information:

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

E. Storage

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

YES NO**F. Gravity Flow Pipe**

(THE DEPARTMENT TYPICALLY USES THE HAZEN-WILLIAM'S FORMULA FOR A GRAVITY FLOW PIPE SYSTEM)

1. Does the system involve a gravity flow pipe?

YES NO**G. Gravity Flow Canal or Ditch**

(THE DEPARTMENT TYPICALLY USES MANNING'S FORMULA FOR CANALS AND DITCHES)

1. Is a gravity flow canal or ditch used to convey the water as part of the distribution system?

YES NO**2. Complete the table:**

CANAL OR DITCH TYPE (MATERIAL)	TOP WIDTH OF CANAL OR DITCH	BOTTOM WIDTH OF CANAL OR DITCH	DEPTH	"N" FACTOR	AMOUNT OF FALL	LENGTH OF CANAL / DITCH	SLOPE	COMPUTED RATE (IN CFS)
*								

3. Provide calculations:

*Contacted Ken Thiemann, Watermaster district 21. From his regulation records on Rhea Creek the ditch used by Murray's from Rhea Creek has a capacity of 3.5 cfs. This ditch capacity exceeds the permitted rate from the well under Application G-15478 (1.22 cfs), and exceeds the measured rate under this Claim of Beneficial Use (0.72 cfs). (See attached email communication)

4. If an actual measurement was taken, provide the following:

DATE OF MEASUREMENT	WHO MADE THE MEASUREMENT	MEASUREMENT METHOD	MEASURED QUANTITY OF WATER (IN CFS)
*			

Attach measurement notes.

H. Additional notes or comments related to the system:

--

SECTION 5 CONDITIONS

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

1. Time Limits:

Permits and extension final orders contain any or all of the following dates: the date when the actual construction work was to begin, the date when the construction was to be completed, and the date when the complete application of water to the proposed use was to be completed. These dates may be referred to as ABC dates. Describe how the water user has complied with each of the development timelines established in the permit or permit extension order:

	DATE FROM PERMIT	DATE ACCOMPLISHED*	DESCRIPTION OF ACTIONS TAKEN BY WATER USER TO COMPLY WITH THE TIME LIMITS
ISSUANCE DATE	10/1/2002		
BEGIN CONSTRUCTION (A)		12/19/1978	Well (MORR 35) drilled
COMPLETE CONSTRUCTION (B)		1911 2002 Spring 2020	Ditch completed when Certificate 218 issued. Ditch Irrigation system in use. Pump increased from 15 hp to 40 hp.
COMPLETE APPLICATION OF WATER (C)	10/1/2020	2018 Summer 2020	All land below old flood ditch irrigated either by flood irrigation or sprinklers with 15 hp pump. All land below old flood ditch irrigated either by flood irrigation or sprinklers with 40 hp pump.

* MUST BE WITHIN PERIOD BETWEEN PERMIT, OR ANY EXTENSION FINAL ORDER ISSUANCE AND THE DATE TO COMPLETELY APPLY WATER

2. Is there an extension final order(s)? YES NO

a. Did the Extension Final Order require the submittal of Progress Reports? YES NO

3. Initial Water Level Measurements:

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

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

March

c. Was the measurement submitted to the Department? YES NO

Well was constructed in 1978. Was used for stock and domestic prior to filing for water rights. First measurement was after well was used for irrigation in 2005.

d. If the initial measurement was not submitted, provide that measurement now, if available:

DATE OF MEASUREMENT	MEASUREMENT MADE BY	METHOD	MEASUREMENT

4. Annual Static Water Level Measurements:

- a. Was the water user required to submit annual static water level measurements? **YES** **NO**

5. Pump Test:

- a. Did the permit require the submittal of a pump test? **YES** **NO**

Ground water permits with priority dates on or after **December 20, 1988**, require the submittal of a pump test prior to issuance of a certificate. In some cases, the permit holder may qualify for a multiple well exemption or an unreasonable burden exemption.

For additional information regarding pump tests see:

<https://www.oregon.gov/OWRD/programs/GWWL/GW/Pages/PumpTestProgram.aspx>

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

- b. Has the pump test been previously submitted to the Department? **YES** **NO**
- c. Is the pump test attached to this claim? **YES** **NO**
- d. Has the pump test been approved by the Department? **YES** **NO**
- e. Has a pump test exemption been approved by the Department? **YES** **NO**

**** Claims will not be reviewed until a pump test or exemption has been approved by the Department**

6. Measurement Conditions:

- a. Does the permit, permit amendment, or any extension final order require the installation of a meter or approved measuring device? **YES** **NO**

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

- b. Has a meter been installed? **YES** **NO**

c. Meter Information

POD/POA NAME OR #	MANUFACTURER	SERIAL #	CONDITION (WORKING OR NOT)	CURRENT METER READING	DATE INSTALLED
Well	McCrometer	04-04715-4	Working	24.0548 X .0001 Acre Feet	2004

7. Recording and reporting conditions:

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

8. Other conditions required by permit, permit amendment final order, or extension final order:

- a. Were there special well construction standards? **YES** **NO**
- b. Was submittal of a ground water monitoring plan required? **YES** **NO**
- c. Was submittal of a water management and conservation plan required? **YES** **NO**
- d. Was a Well Identification Number (Well ID tag) assigned and attached to the well? **YES** **NO**

WELL ID #	DATE ATTACHED TO WELL
L-121707	3/2016

- e. Other conditions? **YES** **NO**

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

After Use of Water has Begun – Reference Water Level Determination – Reference level measurement made 2005.

SECTION 6

ATTACHMENTS

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

ATTACHMENT NAME	DESCRIPTION
Claim Map	
Well Report	MORR 35
Email Communication	Email with Ken Thiemann, Watermaster District 21
3 Flow Meter Pictures	Pictures taken of pump test showing flow and meter readings

SECTION 7

CLAIM OF BENEFICIAL USE MAP

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

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

Land and well located on aerial photograph. Placement within the Public Land Survey by locating property lines that coincide with government survey lines. Also used Morrow County Assessor Map for assistance.

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Map Checklist

Please be sure that the map you submit includes ALL the items listed below.

(Reminder: Incomplete maps and/or claims may be returned.)

- ☒ Map on polyester film
- ☒ Appropriate scale (1" = 400 feet, 1" = 1320 feet, or the original full-size scale of the county assessor map)
- ☒ Township, Range, Section, Donation Land Claims, and Government Lots
- ☒ If irrigation, number of acres irrigated within each projected Donation Land Claims, Government Lots, Quarter-Quarters
- ☐ Locations of fish screens and/or fish by-pass devices in relationship to point of diversion
- ☒ Locations of meters and/or measuring devices in relationship to point of diversion or appropriation
- ☒ Conveyance structures illustrated (pumps, reservoirs, pipelines, ditches, etc.)
- ☒ Point(s) of diversion or appropriation (illustrated and coordinates)
- ☒ 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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NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report
are to be filed with the

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

MORR 35

WATER WELL REPORT

STATE OF OREGON
(Please type or print)

2 NE/NW

State Well No. 15/24E-35d

State Permit No. _____

WATER RESOURCES DEPT.

(1) OWNER: SALEM, OREGON

Name ROD MURRAY

Address HOPPER OR

(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 ☐
☐ Bored ☐

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☒ Test Well ☐ Other ☐

(5) CASING INSTALLED:

Threaded ☐ Welded ☒
8" Diam. from +2 ft. to -18 ft. Gage 250
" 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? DRILLER

d: 450 gal./min. with _____ ft. drawdown after _____ hrs.

Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.

_____ g.p.m.

Temperature of water 63 Depth artesian flow encountered _____ ft.

(9) CONSTRUCTION:

Well seal—Material used PORTLAND CEMENT

Well sealed from land surface to 18 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 9 sacks

How was cement grout placed? Pressure grouted from bottom to the top with out interruption

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 MORROW Driller's well number _____

SW 1/4 SE 1/4 Section 35 T. 15 R. 24 E W.M.

Bearing and distance from section or subdivision corner _____

(11) WATER LEVEL: Completed well.

Depth at which water was first found 170 ft.

Static level 6 ft. below land surface. Date 12-18-78

Artesian pressure _____ lbs. per square inch. Date _____

(12) WELL LOG:

Diameter of well below casing 7 7/8

Depth drilled 440 ft. Depth of completed well 440 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
Soil	0	6	
GRAVEL	6	12	
BASALT Black	12	170	
" Black & Red	170	225	90G
" Black	225	392	
" Black w/GR CLAY	392	410	175G
" Black	410	418	
" Red	418	438	450G
" Black	438	440	

Work started 12-16 1978 Completed 12-19 1978

Date well drilling machine moved off of well 12-20 1978

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] Marvin J. Stiefel Date 12-20, 1978
(Drilling Machine Operator)

Drilling Machine Operator's License No. 1299

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 Tony Burd Well Drilling
(Person, firm or corporation) (Type or print)

Address Portland OR

[Signed] Tony Burd
(Water Well Contractor)

Contractor's License No. 544 Date 12-20, 1978

Subject: Re: RX Ranch
From: THIEMANN Kenneth C * WRD <Kenneth.C.THIEMANN@water.oregon.gov>
Date: 6/3/2024, 9:00 AM
To: Toll House <larryww@charter.net>

Good morning Larry,

The carrying capacity of the ditch system far exceeds the allowable rate. I have never seen a measurement device for the SW distribution system. I have witnessed an estimated 3.5 CFS diverted through the system. The allowable rate for C-218 of 1.63 CFS before regulation. I hope this helps. Hope all is well with you and Carmen. Looking forward to the next Crooked River trip.

This year has been pretty nice so far.

Take care.

Ken Thiemann (He/His/Him)

District 21 Watermaster

Oregon Water Resources Department

Email: Kenneth.C.Thiemann@water.oregon.gov

Mobile: 541-969-8799

[Interactive Mapper Link](#)

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From: Toll House <larryww@charter.net>
Sent: Monday, June 3, 2024 7:45 AM
To: THIEMANN Kenneth C * WRD <Kenneth.C.THIEMANN@water.oregon.gov>
Subject: RX Ranch

Ken,

Good Morning to you. This email is coming from home. Doing some work from here this morning. I hope that you are practicing your golf game for this fall.

I am working on the Claim of Beneficial Use for RX Ranch (now John and Anne Murray, brother and sister) for Application G-15478. This is the well right supplemental to Rhea Creek Right Certificate 218.

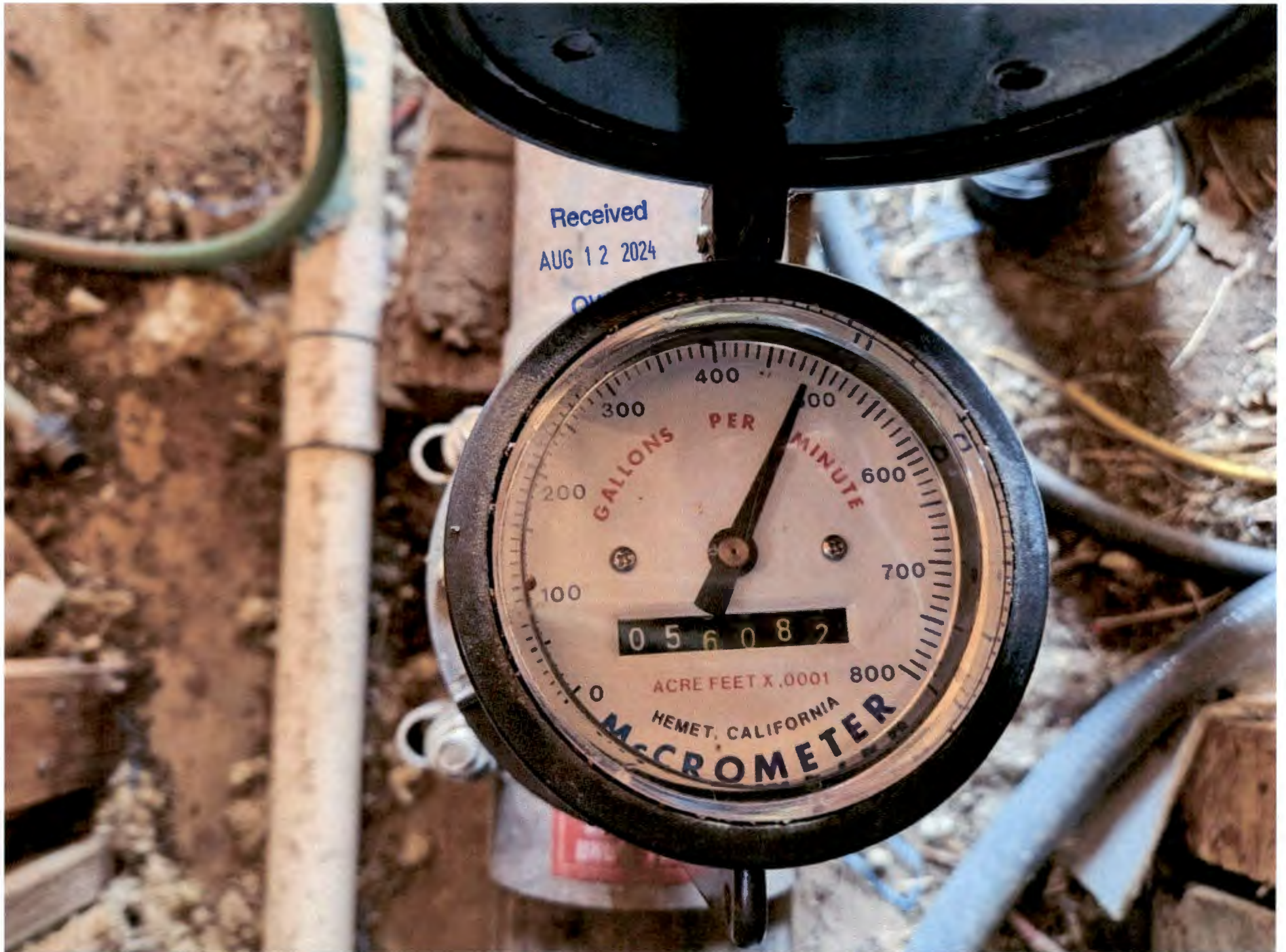
I believe that you regularly do regulation of Rhea Creek. I was wondering if you have any notes in your regulation concerning the amount of water that Murray's use from Rhea Creek. I did not go to their Rhea Creek Diversion as I was concerned with the well. They must have some kind of measuring device, probably a weir, for your regulation work. Not that it is important how much water they take from Rhea Creek I am looking for information concerning the carrying capacity of the ditch.

Received
AUG 12 2024
OWRD

Thank you for any information you can provide. If you need additional information from me, let me know.

Larry Toll

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1 MINUTE AFTER TURNING PUMP ON



15 minutes

Received
AUG 12 2024
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**TENNESON
ENGINEERING**
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LETTER OF TRANSMITTAL

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

Date 8/8/2024	Work Order # 14633
Attention	
RE:	
Claim of Beneficial Use	
Application G-15478	

ENCLOSED ARE THE FOLLOWING:

QUANTITY	DESCRIPTION
1	(14 pgs) CLAIM OF BENEFICIAL USE FOR APPLICATION G-15478
1	(7 pgs) SUPPORTING DOCUMENTS
1	8-1/2" x 14" mylar—CLAIM OF BENEFICIAL USE MAP
1	\$230 FILING FEE (AKS Engineering & Forestry Check #1113)

Received

AUG 12 2024

OWRD

THESE ARE TRANSMITTED (as checked below)

☐ For approval

☐ For your use

☐ As requested

☐ Approved as noted

☒ Filing/Recording

☐ For your review & comment

CHARGES

Remarks:	SF Blueline	
	SF Mylar	
	Xerox	
	Tube, Mailer, Etc.	
	P & H	
	TOTAL	

PICKED UP BY:

DELIVERED BY:

COPY TO: John Murray w/ enclosures

BY: Larry M. Toll, Water Rights Consultant

If enclosures are not as noted, please notify us at once.