CLAIM OF BENEFICIAL USE for Surface Water Permits claiming more than 0.1 cfs

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

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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

Go to "Resources for Water Right Examiners (CWRE)" Page
https://www.oregon.gov/OWRD/programs/WaterRights/COBU/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.

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

1. File Information:

APPLICATION #	PERMIT #	PERMIT AMENDMENT #
S-72901	**S-52811**	**T-**

2. Property Owner (current owner information):

Applicant/Business Name	Phone No.	Additional Contact No.
Clear Creek Reservoir Co and Nick & Stacy Romo	**971-246-1087**	

Address			
PO Box 895			
City	State	Zip	E-Mail
Halfway	**OR**	**97834**	**n.romo81@gmail.com**

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

Permit Holder of Record		
Clear Creek Reservoir Co		
Address		
Route 1, Box 137		
City	State	Zip
Halfway	**OR**	**97834**

Additional Permit Holder of Record		
NA		
Address		
City	State	Zip

4. Date of Site Inspection:

7/19/2022

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

Name	Date	Association with the Project
Nick Romo	**7/19/2022**	**Owner**
Bruce Aearnes	**7/19/2022**	**Owner**
Ray Spencer	**7/19/2022**	**Owner**
Mike Marlow	**7/19/2022**	**Farm Manager**

6. County:

Baker

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

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OWNER OF RECORD **Clear Creek Cattle & Farm, LLC**		
ADDRESS **970 Petry Lane**		
CITY **Baker City**	STATE **OR**	ZIP **97814**
OWNER OF RECORD **Raymond & Cathryn Spencer**		
37378 BOULDER FLAT LANE		
CITY **Halfway**	STATE **OR**	ZIP **97834**
OWNER OF RECORD **Bruce & Karen Hearne**		
ADDRESS **47453 Fish Lake Road**		
CITY **Halfway**	STATE **OR**	ZIP **97834**

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.

Seal and Signature

Renewal: 12-31-2022

CWRE NAME		PHONE NO.	ADDITIONAL CONTACT NO.
Scott D Montgomery		**541-548-5833**	**541-420-0401**
ADDRESS **PO Box 767**			
CITY **Terrebonne**	STATE **OR**	ZIP **97760**	E-MAIL **scott@apeands.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.

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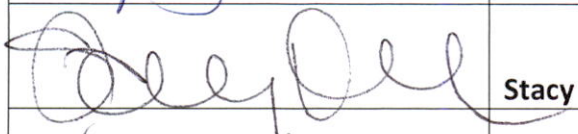
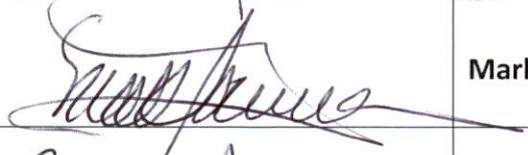
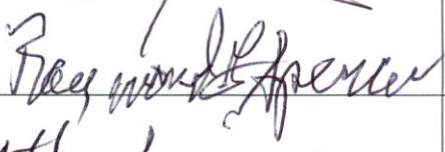
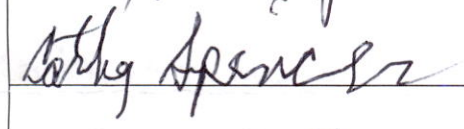
Signature	Print or Type Name	Title	Date
	**Nick Romo**	**Owner**	
	**Stacy Romo**	**Owner**	
	**Mark Jackson**	**Member, Clear Creek Cattle Farm, LLC**	
	**Raymond Spencer, II**	**Owner**	
	**Cathryn Spencer**	**Owner**	
	**Bruce Hearne**	**Owner**	
	**Karen Hearne**	**Owner**	

SECTION 3

CLAIM DESCRIPTION

1. **Point of diversion name or number:**

Point of Diversion (POD) Name or Number (correspond to map)
POD 1
POD 2
POD 3
POD 3a
POD 4
POD 2b

2. **Point of diversion source and tributary:**

POD Name or Number	Source	Tributary
POD 1	**Clear Creek Reservoir**	**Clear Creek**
POD 2	**Clear Creek Reservoir**	**Clear Creek**
POD 3	**Clear Creek Reservoir**	**Clear Creek**
POD 3a	**Clear Creek Reservoir**	**Clear Creek**
POD 4	**Clear Creek Reservoir**	**Clear Creek**
POD 2b	**Clear Creek Reservoir**	**Clear Creek**

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

POD 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)
POD 1	**IS**	**Hay**	**Apr 1 – Oct 1**	**4.5 AF for ea acre**
POD 2	**IS**	**Hay**	**Apr 1 – Oct 1**	**4.5 AF for ea acre**
POD 3	**IS**	**Hay**	**Apr 1 – Oct 1**	**4.5 AF for ea acre**
POD 3a	**IS**	**Hay**	**Apr 1 – Oct 1**	**4.5 AF for ea acre**
POD 4	**IS**	**Hay**	**Apr 1 – Oct 1**	**4.5 AF for ea acre**
POD 2b	**IS**	**Hay**	**Apr 1 – Oct 1**	**4.5 AF for ea acre**
Total Quantity of Water Used				**4.5 AF for ea acre**

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

Water is diverted from Clear Creek and channeled to three flood irrigation systems and piped to a sprinkler system that irrigate the places of use.

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).

5. Variations:

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

(e.g. *"The permit allowed three points of diversion. 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."*)

The permit allowed 137.05 acres. The water users only developed 113.8 acres. The permit listed four diversion points. The water users are using two other diversions that exist per Certificate 37671.

6. Claim Summary:

POD NAME OR #	MAXIMUM RATE AUTHORIZED	CALCULATED THEORETICAL RATE BASED ON SYSTEM	AMOUNT OF WATER MEASURED	USE	# OF ACRES ALLOWED	# OF ACRES DEVELOPED
POD 1		**0.94 cfs**		**IS**	**40.0**	**35.0**
POD 2		**20.39 cfs**		**IS**	**76.5**	**38.5**
POD 2b		**20.39 cfs**		**IS**	**22.5**	**22.5**
POD 3/POD 3a		**17.61 cfs**		**IS**	**19.55**	**16.8**
POD 4		**30.0 cfs**		**IS**	**1.0**	**1.0**

SECTION 4

SYSTEM DESCRIPTION

Are there multiple PODs? **YES**

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

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

POD 1

A. Place of Use

1. Is the right for municipal use? **NO**

If "YES" the table below may be deleted.

TWP	RNG	MER	SEC	QQ	GLOT	DLC	USE	IF IRRIGATION, # PRIMARY ACRES	IF IRRIGATION, # SUPPLEMENTAL ACRES
7S	**46E**	**WM**	**19**	**SW SW**	**4**		**IS**		**35.0**
Total Acres Irrigated									**35.0**

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. 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 diversion to the place of use.

1. Is a pump used? **NO**

7. Is the distribution system piped? **YES**

8. Mainline Information:

MAINLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
12"	**1 ½ miles**	**PVC**	**Buried**

9. Lateral or Handline Information:

LATERAL OR HANDLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
2"	**2500 LF**	**Polyflex**	**Above Ground**

10. Sprinkler Information:

SIZE	OPERATING PSI	SPRINKLER OUTPUT (GPM)	TOTAL NUMBER OF SPRINKLERS	MAXIMUM NUMBER USED	TOTAL SPRINKLER OUTPUT (CFS)
3/16"	**70**	**8.75**	**5**	**5**	**0.10**
¾"	**70**	**75.00**	**5**	**5**	**0.84**

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					

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				

C. Storage

1. Does the distribution system include in-system storage (e.g. storage tank, bulge in system / reservoir)? **NO**

D. 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**

2. Complete the table:

Pipe Size	Pipe Type	"C" factor	Amount of Fall	Length of Pipe	Slope	Computed Rate of Water Flow (in CFS)
36"	CMP	110	0.5'	10 LF	0.05'/'	168.8

3. Provide calculations:

$V = 1.31CR^{0.63}S^{0.54} = (1.31)(110)(0.75)^{0.63}(0.05)^{0.54} = 23.85$ fps

$R = A/P = D/4 = 0.75'$

$A = \pi D2/4 = 7.07$ sf

$P = \pi D$ $Q = (23.85 \text{ fps})(7.07 \text{ sf}) = 168.85$ cfs

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.

E. 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? **NO**

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

POD 2

A. Place of Use

1. Is the right for municipal use? **NO**

If "YES" the table below may be deleted.

TWP	RNG	MER	SEC	QQ	GLOT	DLC	USE	IF IRRIGATION, # PRIMARY ACRES	IF IRRIGATION, # SUPPLEMENTAL ACRES
7S	46E	WM	30	SW NE			IS		38.5
7S	46E	WM	30	SE NE			IS		22.5
Total Acres Irrigated									61.0

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. 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 diversion to the place of use.

1. Is a pump used? **NO**

Is the distribution system piped? NO

C. Storage

1. Does the distribution system include in-system storage (e.g. storage tank, bulge in system / reservoir)? **NO**

D. 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**

2. Complete the table:

PIPE SIZE	PIPE TYPE	"C" FACTOR	AMOUNT OF FALL	LENGTH OF PIPE	SLOPE	COMPUTED RATE OF WATER FLOW (IN CFS)
36"	CMP	110	0.025'	26 LF	0.001'/'	20.39

3. Provide calculations:

$V = 1.31CR^{0.63}S^{0.54} = (1.31)(110)(0.75)^{0.63}(0.001)^{0.54} = 2.88$ fps

$R = A/P = D/4 = 0.75'$

$A = \pi D2/4 = 7.07$ sf

$P = \pi D$

$Q = (2.88 \text{ fps})(7.07 \text{ sf}) = 20.39$ cfs

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.

E. 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**

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)
Rocky/soil	**8'**	**4'**	**2 ½'**	**0.03**	**5'**	**1 mile**	**0.001'/'**	**30.0**

3. Provide calculations:

$V = \frac{1.486}{n} R^{2/3} S^{1/2} = \frac{(1.486)}{0.03} (1.44)^{2/3} (0.001)^{1/2} = 2.00$ fps

$R = A/P = 15/104 = 1.44'$

$A = \frac{8+4}{2} \times 2.5 = 15$ sf

$P = 4' + (2)(3.2') = 10.4'$ **$Q = (2 \text{ fps})(15 \text{ sf}) = 30$ cfs**

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.

F. Additional notes or comments related to the system:

POD 2b

A. Place of Use

1. Is the right for municipal use? **NO**

If "YES" the table below may be deleted.

TWP	RNG	MER	SEC	QQ	GLOT	DLC	USE	IF IRRIGATION, # PRIMARY ACRES	IF IRRIGATION, # SUPPLEMENTAL ACRES
7S	46E	WM	30	SW NE			IS		38.5
7S	46E	WM	30	SE NE			IS		22.5
Total Acres Irrigated									61.0

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. 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 diversion to the place of use.

1. Is a pump used? **NO**

Is the distribution system piped? NO

C. Storage

1. Does the distribution system include in-system storage (e.g. storage tank, bulge in system / reservoir)? **NO**

D. 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**

2. Complete the table:

PIPE SIZE	PIPE TYPE	"C" FACTOR	AMOUNT OF FALL	LENGTH OF PIPE	SLOPE	COMPUTED RATE OF WATER FLOW (IN CFS)
36"	CMP	110	0.025'	26 LF	0.001'/'	20.39

3. Provide calculations:

$V = 1.31CR^{0.63}S^{0.54} = (1.31)(110)(0.75)^{0.63}(0.001)^{0.54} = 2.88$ fps

$R = A/P = D/4 = 0.75'$

$A = \pi D2/4 = 7.07$ sf

$P = \pi D$

$Q = VA = (2.88 \text{ fps})(7.07 \text{ sf}) = 20.39$ cfs

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.

E. 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**

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)
Rocky/soil	**8'**	**4'**	**2 ½'**	**0.03**	**5'**	**1 mile**	**0.001'/'**	**30 cfs**

3. Provide calculations:

$V = \frac{1.486}{n} R^{2/3} S^{1/2} = \frac{(1.486)}{0.03} (1.44)^{2/3} (0.001)^{1/2} = 2.00$ fps

R = A/P = 15/104 = 1.44'

$A = \frac{8+4}{2} \times 2.5 = 15$ sf

P = 4' + (2)(3.2') = 10.4' **Q = (2 fps)(15 sf) = 30 cfs**

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.

F. Additional notes or comments related to the system:

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

POD 3

A. Place of Use

1. Is the right for municipal use? **NO**

If "YES" the table below may be deleted.

TWP	RNG	MER	SEC	QQ	GLOT	DLC	USE	IF IRRIGATION, # PRIMARY ACRES	IF IRRIGATION, # SUPPLEMENTAL ACRES
7S	46E	WM	32	SE NW			IS		16.8
Total Acres Irrigated									16.8

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. 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 diversion to the place of use.

1. Is a pump used? **NO**

7. Is the distribution system piped? NO

C. Storage

1. Does the distribution system include in-system storage (e.g. storage tank, bulge in system / reservoir)? **NO**

D. 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**

2. Complete the table:

PIPE SIZE	PIPE TYPE	"C" FACTOR	AMOUNT OF FALL	LENGTH OF PIPE	SLOPE	COMPUTED RATE OF WATER FLOW (IN CFS)
36"	CMP	110	0.02'	20 LF	0.001'/'	20.39

3. Provide calculations:

$V = 1.31CR^{0.63}S^{0.54} = (1.31)(110)(0.75)^{0.63}(0.001)^{0.54} = 2.88$ fps

$R = A/P = D/4 = 0.75'$

$A = \pi D2/4 = 7.07$ sf

$P = \pi D$

$Q = VA = (2.88 \text{ fps})(7.07 \text{ sf}) = 20.39$ cfs

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.

E. 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**

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)
Rocky/Grass	**6'**	**3'**	**2'**	**0.03**	**1'**	**750 LF**	**0.0013'/'**	**17.61**

3. Provide calculations:

$V = \frac{1.486}{n} AR^{2/3}S^{1/2} = \frac{(1.486)}{0.03} (1.125)^{2/3}(0.0013)^{1/2} = 1.96$ fps

$R = A/P = 9/8 = 1.125'$

$A = \frac{6+3}{2} (2) = 9$ sf

$P = 3' + (2)(2.5') = 8'$

$Q = VA = (1.96)(9) = 17.61$ cfs

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.

F. Additional notes or comments related to the system:

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POD 3a

A. Place of Use

1. Is the right for municipal use? **NO**

If "YES" the table below may be deleted.

TWP	RNG	MER	SEC	QQ	GLOT	DLC	USE	IF IRRIGATION, # PRIMARY ACRES	IF IRRIGATION, # SUPPLEMENTAL ACRES
7S	46E	WM	32	SE NW			IS		16.8
Total Acres Irrigated									16.8

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. 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 diversion to the place of use.

1. Is a pump used? **NO**

7. Is the distribution system piped? NO

C. Storage

1. Does the distribution system include in-system storage (e.g. storage tank, bulge in system / reservoir)? **NO**

D. 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**

2. Complete the table:

PIPE SIZE	PIPE TYPE	"C" FACTOR	AMOUNT OF FALL	LENGTH OF PIPE	SLOPE	COMPUTED RATE OF WATER FLOW (IN CFS)
36"	CMP	110	0.02'	20 LF	0.001'/'	20.39

3. Provide calculations:

$V = 1.31CR^{0.63}S^{0.54} = (1.31)(110)(0.75)^{0.63}(0.001)^{0.54} = 2.88$ fps

$R = A/P = D/4 = 0.75'$

$A = \pi D2/4 = 7.07$ sf

$P = \pi D$

$Q = VA = (2.88 \text{ fps})(7.07 \text{ sf}) = 20.39$ cfs

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.

E. 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**

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)
Rocky/Grass	**8'**	**4'**	**2 ½'**	**0.03**	**5'**	**1 mile**	**0.0011/1**	**30.0**

3. Provide calculations:

$V = \frac{1.486}{n} AR^{2/3}S^{1/2} = \frac{(1.486)}{0.03} (1.44)^{2/3}(0.001)^{1/2} = 2.00$ fps

$R = A/P = 15/104 = 1.44'$

$A = \frac{8+4}{2} \times 2.5') = 15$ sf

$P = 4' + (2)\ 3.2' = 10.4'$ **$Q = VA = (2)(15) = 30$ cfs**

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.

F. Additional notes or comments related to the system:

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

POD 4

A. Place of Use

1. Is the right for municipal use? **NO**

If "YES" the table below may be deleted.

TWP	RNG	MER	SEC	QQ	GLOT	DLC	USE	IF IRRIGATION, # PRIMARY ACRES	IF IRRIGATION, # SUPPLEMENTAL ACRES
7S	**46E**	**WM**	**31**	**NE NE**				**IS**	**1.0**
Total Acres Irrigated									**1.0**

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. 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 diversion to the place of use.

1. Is a pump used? **NO**

7. Is the distribution system piped? NO

C. Storage

1. Does the distribution system include in-system storage (e.g. storage tank, bulge in system / reservoir)? **NO**

D. 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? **NO**

E. 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**

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)
Rocky/Grass	**8'**	**4'**	**25'**	**0.03**	**0.15'**	**150 LF**	**0.001**	**30.0**

3. Provide calculations:

$V = \frac{1.486}{n} AR^{2/3}S^{1/2} = \frac{(1.486)}{0.03} (1.44)^{2/3}(0.001)^{1/2} = 2.00$ fps

$R = A/P = 15/104 = 1.44'$

$A = \frac{8+4}{2} \times 2.5') = 15$ sf

$P = 4' + (2)(3.2') = 10.4'$

$Q = VA = (2)(15) = 30$ cfs

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.

F. 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 any 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 of time:

	Date from Permit	Date Accomplished*	Description of Actions Taken by Water User to Comply with the Time Limits
Issuance Date	**09/30/96**		
Begin construction (A)	**09/30/97**	**9/30/96**	**Diversions constructed**
Complete construction (B)	**10/1/21**	**Spring 2021**	**Conveyances & irrigation systems constructed**
Complete application of water (C)	**10/1/21**	**Spring 2021**	**Metered watering systems constructed**

* 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**

a. Did the Extension Final Order require the submittal of Progress Reports? **YES**

b. Were the Progress Reports submitted? **NO**

If the reports have not been submitted, attach a copy of the reports if available.

3. Measurement Conditions:

a. Does the permit, permit amendment, or any extension final order require the installation of a meter or approved measuring device? **YES**

b. Has a meter been installed? **YES**

c. Meter Information

POD Name or #	Manufacturer	Serial #	Condition (working or not)	Current Meter Reading	Date Installed
POD 1	**Micrometer**	**AC 21-0542**	**Not running**	**53731 K Gal**	**Spring 2022**
POD 2	**3' Parshall flume**	**NA**	**Not running**	**NA**	**UNK**
POD 2b	**1' Parshall flume**	**NA**	**Not running**	**NA**	**UNK**
POD 3	**None**				
POD 3a	**3' Parshall flume**	**NA**	**Not running**	**NA**	**UNK**
POD 4	**None**				

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

d. If a meter has not been installed, has a suitable measuring device been installed and approved by the Department?

NO

e. If "YES", provide a copy of the letter approving the device, if available. If the letter is not available provide the name and title of the Water Resources Department employee approving the measuring device, and the approximate date of the approval:

NAME	TITLE	APPROXIMATE DATE

f. Measurement Device Description

DEVICE DESCRIPTION	CONDITION (WORKING OR NOT)	DATE INSTALLED

4. Recording and reporting conditions:

a. Is the water user required to report the water use to the Department?

NO

5. Fish Screening:

a. Are any points of diversion required to be screened to prevent fish from entering the point of diversion?

NO

6. By-pass Devices:

a. Are any points of diversion required to have a by-pass device to prevent fish from entering the point of diversion? **NO**

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

a. Was the water user required to restore the riparian area if it was disturbed? **NO**

b. Was a fishway required? **NO**

c. Was submittal of a water management and conservation plan required? **NO**

d. Other conditions? **NO**

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

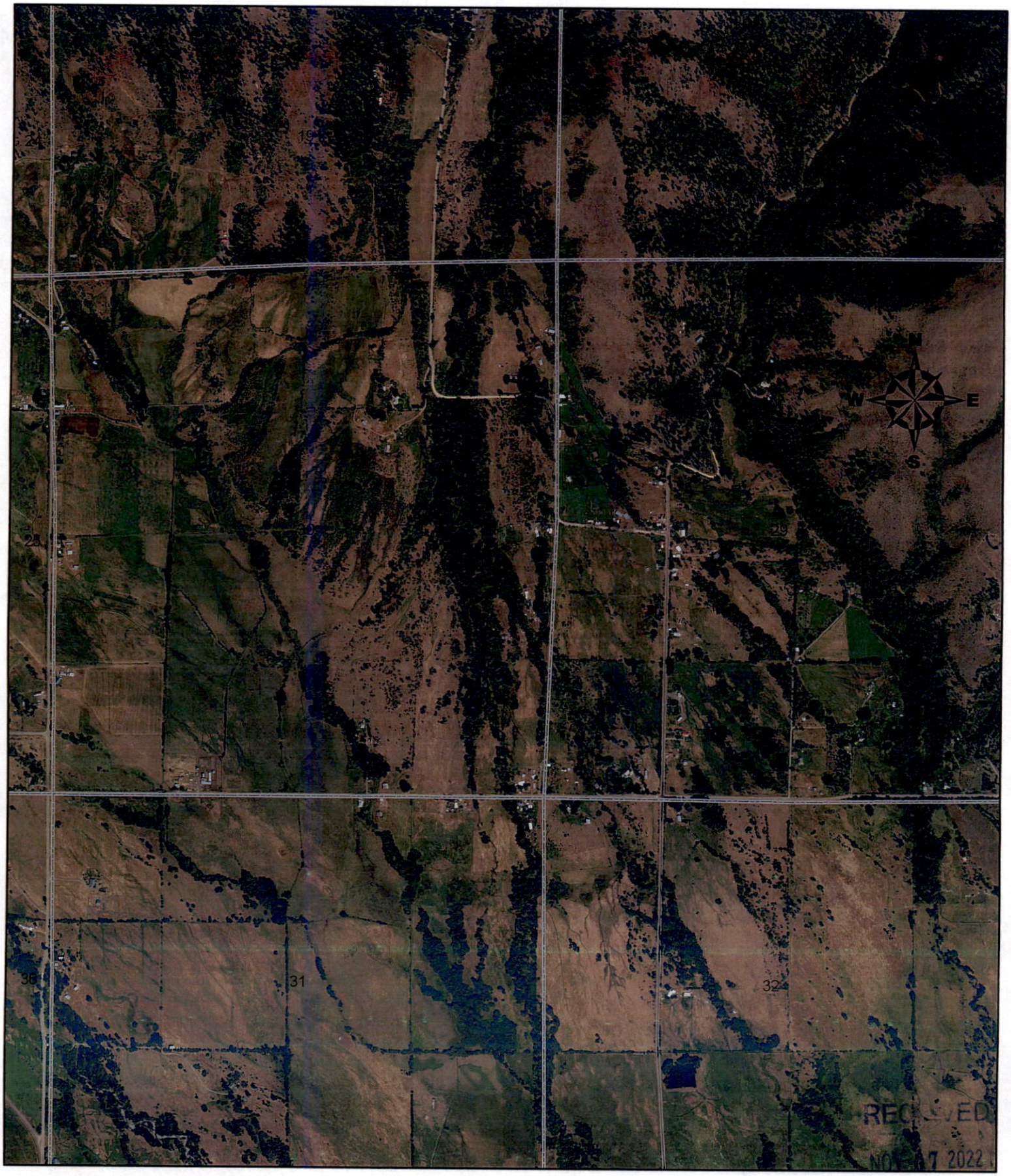
SECTION 6

ATTACHMENTS

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

ATTACHMENT NAME	DESCRIPTION
Site photos	**Time & locatin stamped pics of diversions, irrig. Systems & place of use**
Aerial imagery	**USDA/FSA June 2020 imagery**

T 7S R 46E, W.M.



OWRD

Fisheries

RECEIVED
NOV 07 2022
OWRD

11:29 19-07-2022

Lat: 44° 57' 6.34" N Lon: 117° 7' 36.27"

FM

~~44056~~ 44°57'06.25" N

117°07'36.08" W

3457'

+/- 2.1'

POD

44°57'06.34" N

117°07'36.02" W

3460'

+/- 4.3'


RECEIVED
NOV 07 2022
10:29 19-07-2022
Lat: 44° 56' 19.42" N Lon: 117° 8' 31.35" W

44°56' 19.38" N

117° 08' 31.32" W

3283'

+/- 4.0'


REC ED
NOV 07 2022
10:36 19-07-2022
Lat: 44° 56' 20.20" N Lon: 117° 8' 31.53" W

44°56' 20.20" N

117° 08' 31.49" W

3287'

+/- 1.4'


NOV 07 2022
10:40 19-07-2022
Lat: 44° 56' 20.38" N Lon: 117° 8' 25.69" W

44°56'20.36"N

117°08'25.56"W

3299'

+/-1.6'


RECEIVED
NOV 07 2022
10:43 19-07-2022
Lat: 44° 56' 19.15" N Lon: 117° 8' 22.29" W

44°56'19.15" N

117°08'22.26" W

3580'

+/- 1.0'

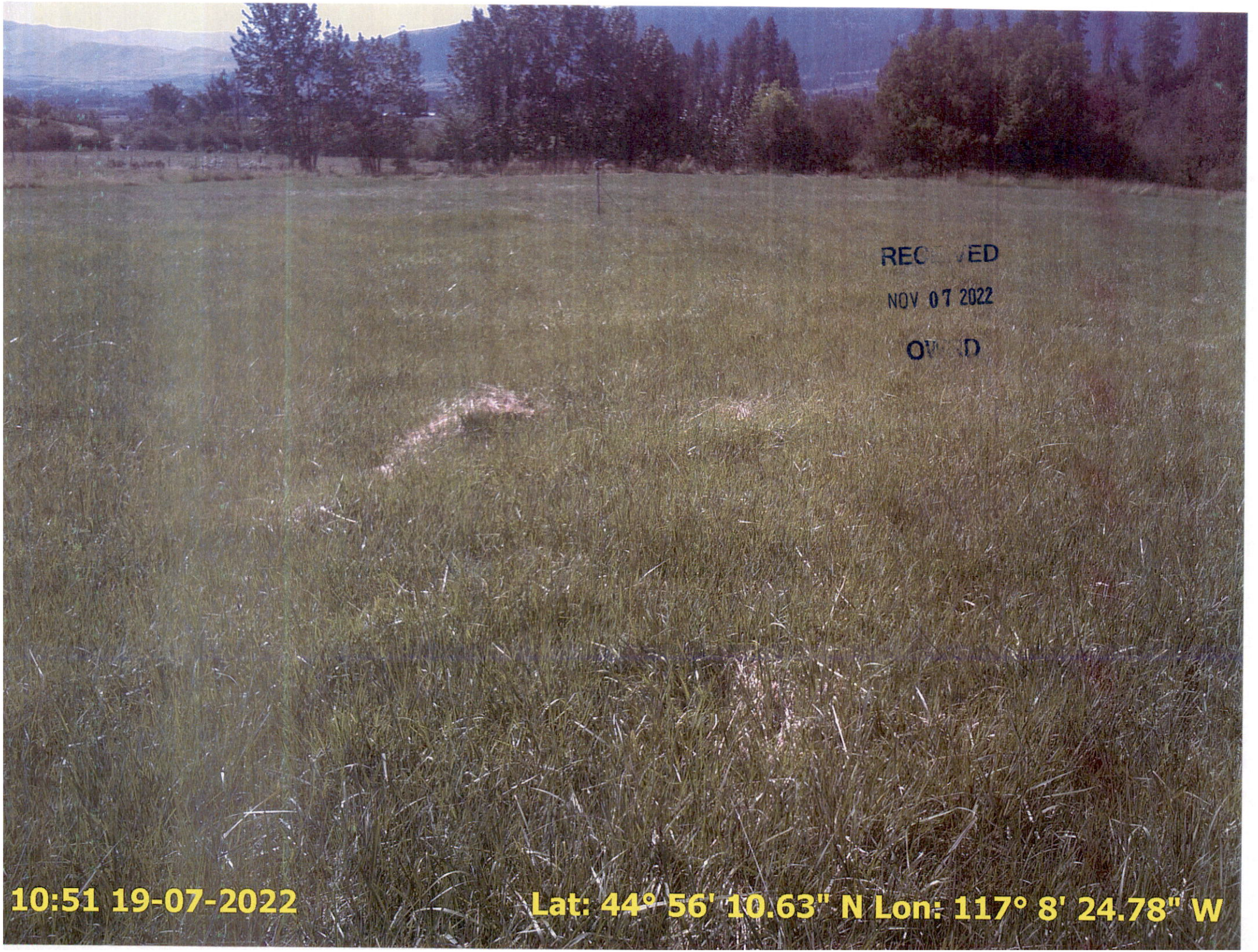

REC ED
NOV 07 2022
10:48 19-07-2022
Lat: 44° 56' 13.74" N Lon: 117° 8' 23.70" W

44°56' 13.75" N

117°08' 23.66" W

3229'

+/- 1.5'

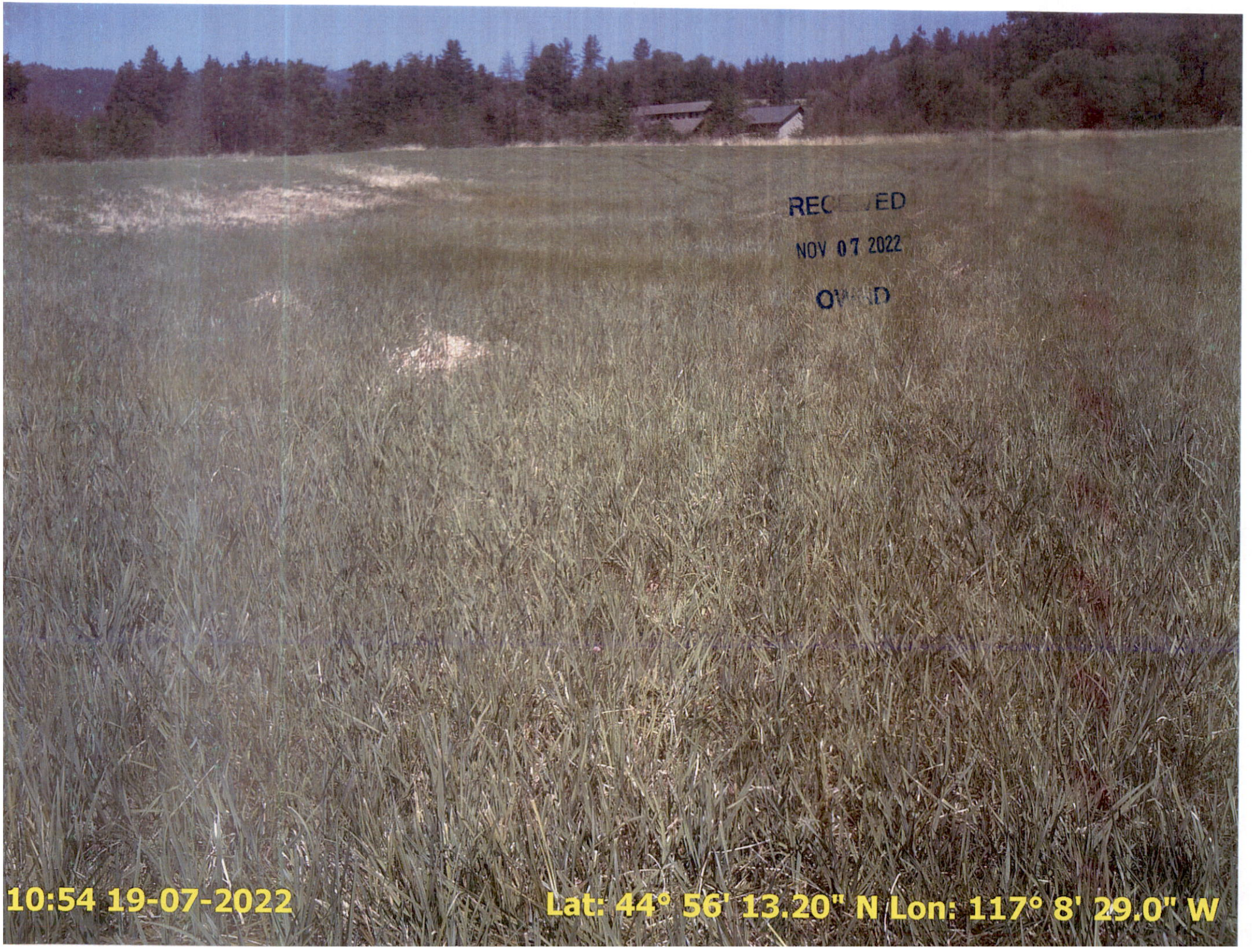

REC ED
NOV 07 2022
OV D
10:51 19-07-2022
Lat: 44° 56' 10.63" N Lon: 117° 8' 24.78" W

44°56'10.62"N

117°08'24.73"W

3205'

+/- 1.1'


REC ED
NOV 07 2022
10:54 19-07-2022
Lat: 44° 56' 13.20" N Lon: 117° 8' 29.0" W

44°56' 15.11" N

117° 08 28.93" W

3221'

+/- 3.3'


REC ED
NOV 07 2022
12:21 19-07-2022
Lat: 44° 56' 6.93" N Lon: 117° 7' 34.7" W

44°56' 06.94" N

117° 07' 34.01" W

3126'

+/- 1.5'


CLENK CR. CASTLE ROD 2
RECEIVED
NOV 07 2022
OWRD
14:36 19-07-2022
Lat: 44° 56' 44.83" N Lon: 117° 7' 37.69" W

44°56'44.53"N

117°87'37.61"W

3392'

+/- 12'


WEAK CR. CATTLE P. PLUME METER 2
REC ED
NOV 07 2022
14:38 19-07-2022
Lat: 44° 56' 44.7" N Lon: 117° 7' 37.47" W

44°56'43.99"N

117°07'37.44"W

3368'

+/- 8.8'


CLEAR CK. CATTLE POD 2 OUT
RECEIVED
NOV 07 2022
14:51 19-07-2022
Lat: 44° 56' 1.29" N Lon: 117° 7' 51.64" W

44°56'01.21" N

117°07'51.61" W

3268'

+/- 3.1'


CLEAR CR. CATTLE OUT TO HOL
REC ED
NOV 07 2022
14:58 19-07-2022
Lat: 44° 55' 54.0" N Lon: 117° 7' 53.54" W

44°55'53.96"N

117°07'53.50"W

3210'

+/-1.7'


HEHRDE POV
11:51 19-07-2022
Lat: 44° 55' 39.32" N Lon: 117° 7' 34.74" W

44°55'39.25"N

117°07'34.69"W

3071'

+/- 5.2'


HEARING EXHIBIT 601
RECEIVED
NOV 07 2022
OWRD
11:52 19-07-2022
Lat: 44° 55' 39.15" N Lon: 117° 7' 34.54" W

44°55'39.17" N

117°07'34.47" W

3072'

+/- 5.2'

HEARNE POD K. FLUME

44°55'38.21" N

117°07'33.05" W

3075'

+/- 21'


REC ED
NOV 07 2022
12:35 19-07-2022
Lat: 44° 55' 50.94" N Lon: 117° 7' 27.41" W

44°55' 50.20" N

117° 07' 27.31" W

3115'

+/- 7.4'


REC ED
NOV 07 2022
13:25 19-07-2022
Lat: 44° 55' 0.5" N Lon: 117° 7' 9.41" W

44°55'00.03"N

117°07'09.37"W

2907'

+/-1.8'


RECEIVED
NOV 07 2022
13:52 19-07-2022
Lat: 44° 54' 56.24" N Lon: 117° 7' 3.35" W

44°54'56.18"N

117°07'03.31"W

2885'

+/- 7.6'


RECEIVED
NOV 07 2022
OWRD
13:56 19-07-2022
Lat: 44° 54' 56.59" N Lon: 117° 7' 2.12" W

44°54'56.48"N

117°07'02.10"W

2488'

+/- 1.9'


REC ED
NOV 07 2022
15:29 19-07-2022
Lat: 44° 55' 13.84" N Lon: 117° 7' 34.16" W

44°55'13.62"N

117°07'34.10"W

2962'

+/- 7.3'

ALL POINTS
ENGINEERING & SURVEYING, INC.
P.O. Box 767
Terrebonne, Oregon 97760

RECEIVED
NOV 07 2022
OWRD

TRANSMITTAL

To:
Oregon Water Resources Department
725 Summer St. NE Suite A
Salem, OR 97301-1266

Date:10/31//2022
Attention: Certificates

Re: COBU S-52811

[x] Prints [] Plans [x] Map/Plat [] Specifications [] Change order [] Other

Copies	No.	Description
1	1	Claim of Beneficial Use (23 sheets letter bond)
1	2	COBU Map (`1 sheet letter mylar)
1	3	Site & Aerial Photos (28 sheets letter bond)

These are transmitted as checked below:

[x] For OWRD approval [] Approved as submitted [] Approved as noted
[] Copies for distribution [] Returned for corrections [] Returned corrected prints
[] Review and comment [] For bids due [] Other

Remarks:
Thanks, and if you have questions please don't hesitate to call (541) 548-5833.

Signed: Denise Mordyz

Checklist for Claims of Beneficial Use Received at CSG Counter

Application #:S-72901	WRD Reviewer:Dante Luongo
Transfer #:	
Date Received:11-7-2022	
CWRE Name:Scott Montgomery	
Priority Date (s):10-22-1992	

Fees Required:

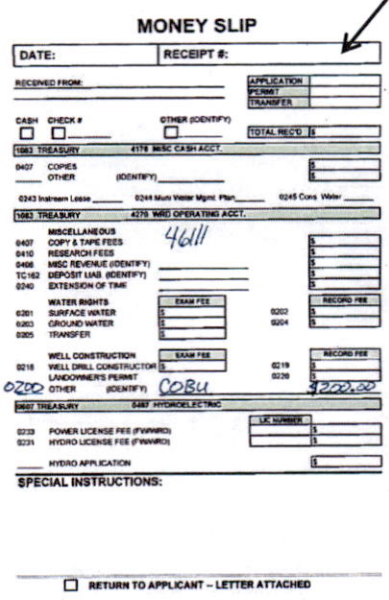
☑ YES NO☐ A fee of $230 must accompany this form for permits with priority dates of July 9, 1987, or later.

☐ YES NO☐ A fee of $230 must accompany this form for any transfers 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.

Map Review:

☑ Map on polyester film (OAR 690-014-0170(1) & 310-0050(1)(b))
☑ Application & permit #; or transfer # (OAR 690-014-0100(1))
☑ Disclaimer (OAR 690-014-0170(5))
☑ North arrow (OAR 690-310-0050(2)(c))
☑ CWRE stamp and signature (OAR 690-014 & 310-0050)
☑ Appropriate scale (1" = 1320', 1" = 400', or the original full-size scale of the county assessor map) (014 & 310)
☑ Township, range, section, and tax lot numbers (OAR 690-310-0050(4))

Fill in App or Transfer Number


MONEY SLIP

DATE: RECEIPT #:

RECEIVED FROM:

APPLICATION
PERMIT
TRANSFER

CASH CHECK # OTHER (IDENTIFY)

TOTAL REC'D $

1083 TREASURY 4170 MISC CASH ACCT.

0407 COPIES
OTHER (IDENTIFY)

0243 Instream Lease 0244 Multi Water Mgmt. Plan 0245 Cons. Water

1083 TREASURY 4270 WRD OPERATING ACCT.

MISCELLANEOUS 4611
0407 COPY & TAPE FEES
0410 RESEARCH FEES
0406 MISC REVENUE (IDENTIFY)
TC162 DEPOSIT LIAB. (IDENTIFY)
0240 EXTENSION OF TIME

WATER RIGHTS EXAM FEE RECORD FEE
0201 SURFACE WATER 0202
0203 GROUND WATER 0204
0205 TRANSFER

WELL CONSTRUCTION EXAM FEE RECORD FEE
0218 WELL DRILL CONSTRUCTOR 0219
LANDOWNER'S PERMIT 0226
0200 OTHER (IDENTIFY) COBU $200.00

0487 TREASURY 0487 HYDROELECTRIC

LIC NUMBER
0233 POWER LICENSE FEE (FWWRD)
0231 HYDRO LICENSE FEE (FWWRD)
HYDRO APPLICATION

SPECIAL INSTRUCTIONS:

☐ RETURN TO APPLICANT – LETTER ATTACHED

Report Review:

☑ On form provided by the Department (OAR 690-014-0100(1))
☑ Application & permit #; or transfer # (OAR 690-014)
☑ Ownership information (OAR 690-014)
☑ Date of survey (OAR 690-014)
☑ Person interviewed (OAR 690-014)
☑ County (OAR 690-014)
☑ CWRE stamp and signature (OAR 690-014-0100)
☑ Signature(s) of all permittee of transfer holder (OAR 690-014-0100)

Groundwater File Review:

☐ Pump Test not required (Priority Date prior to December 20, 1988) *If no, include pump test flyer w/acknowledgment letter
☐ Pump Test required (Priority Date on or after December 20, 1988)
☐ Pump Test submitted
☐ Pump Test not submitted

MONEY SLIP

DATE: 11-7-2022	RECEIPT #: 139507

RECEIVED FROM: 3 Sons Ranch LLC

APPLICATION	S-72901
PERMIT	
TRANSFER	

CASH ☐ CHECK # ☒ 1598 OTHER (IDENTIFY) ☐ _____ TOTAL REC'D $230.00

1083 TREASURY 4170 MISC CASH ACCT.

0407	COPIES		$
_____	OTHER: (IDENTIFY) _____		$

0243 Instream Lease _____ 0244 Muni Water Mgmt. Plan_____ 0245 Cons. Water _____

1083 TREASURY 4270 WRD OPERATING ACCT.

	MISCELLANEOUS	4/6111	
0407	COPY & TAPE FEES		$
0410	RESEARCH FEES		$
0408	MISC REVENUE (IDENTIFY)	_____	$
TC162	DEPOSIT LIAB. (IDENTIFY)	_____	$
0240	EXTENSION OF TIME	_____	$

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

		EXAM FEE		RECORD FEE
	WELL CONSTRUCTION			
0218	WELL DRILL CONSTRUCTOR	$	0219	$
	LANDOWNER'S PERMIT		0220	$
_____	OTHER (IDENTIFY)	COBU		230.00

0607 TREASURY 0467 HYDROELECTRIC

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

SPECIAL INSTRUCTIONS:

☐ RETURN TO APPLICANT -- LETTER ATTACHED

MONEY SLIP

DATE:	RECEIPT #:

RECEIVED FROM: _____

_____

APPLICATION	
PERMIT	
TRANSFER	

CASH ☐ CHECK # ☐ _____ OTHER (IDENTIFY) ☐ _____

TOTAL REC'D	$

1083 TREASURY 4170 MISC CASH ACCT.

0407	COPIES		$
_____	OTHER:	(IDENTIFY) _____	$

0243 Instream Lease _____ 0244 Muni Water Mgmt. Plan_____ 0245 Cons. Water _____

1083 TREASURY 4270 WRD OPERATING ACCT.

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

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

		EXAM FEE		RECORD FEE
	WELL CONSTRUCTION			
0218	WELL DRILL CONSTRUCTOR	$	0219	$
	LANDOWNER'S PERMIT		0220	$
_____	OTHER (IDENTIFY)	_____		

0607 TREASURY 0467 HYDROELECTRIC

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

_____ HYDRO APPLICATION $

SPECIAL INSTRUCTIONS:

☐ RETURN TO APPLICANT -- LETTER ATTACHED