

STATE OF MONTANA
DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
1424 9TH AVENUE P.O. BOX 201601 HELENA, MONTANA 59620-1601

CHANGE AUTHORIZATION

UPON FINDING THE REQUIREMENTS OF SECTION 85-2-429, MCA HAVE BEEN MET, APPLICATION TO CHANGE WATER RIGHT NUMBER 43Q-30174890 SUBMITTED ON JANUARY 26, 2026, IS APPROVED.

Application Form: MULLANEY, PATRICK M REVOCABLE TRUST
MULLANEY, PATRICK M TRUSTEE
2564 FOREST MEADOW LN
BILLINGS, MT 59102 7930

Water Right Wr # Ext Type
Number(s) Changed: 43Q-30121089 STATEMENT OF CLAIM

Change Description:

APPLICANT PROPOSES TO ADD 7 PERMANENT STOCK TANKS TO AN EXISTING WELL. THE TANKS ARE LOCATED IN THE: NW AND SW SEC. 1; NW, NE AND SE SEC. 11; AND NW SEC. 12, T1N, R21E, STILLWATER COUNTY.

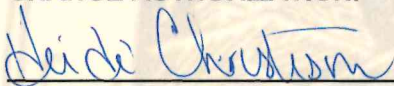
Additional Information:

THIS WELL ALSO PROVIDES DOMESTIC USE UNDER GROUND WATER CERTIFICATE 43Q 30173715. THIS CHANGE AUTHORIZATION IS AUTHORIZED PURSUANT TO 85-2-429(5) MCA.

CONDITIONAL APPROVAL

THIS AUTHORIZATION IS LIMITED TO THE AMOUNT OF THE HISTORIC USE RECOGNIZED BY THE DEPARTMENT IN THIS PROCEEDING AS SUBJECT TO CHANGE, AND WILL THEREAFTER NOT EXCEED THAT AMOUNT. IF THE HISTORIC USE IS REDUCED UNDER ADJUDICATION PROCEEDINGS PURSUANT TO TITLE 85, CHAPTER 2, PART 2, MCA, THIS AUTHORIZATION WILL BE LIMITED TO A LESSER AMOUNT.

FAILURE TO COMPLY WITH ANY OF THESE TERMS AND CONDITIONS MAY RESULT IN THE LOSS OF THIS CHANGE AUTHORIZATION.

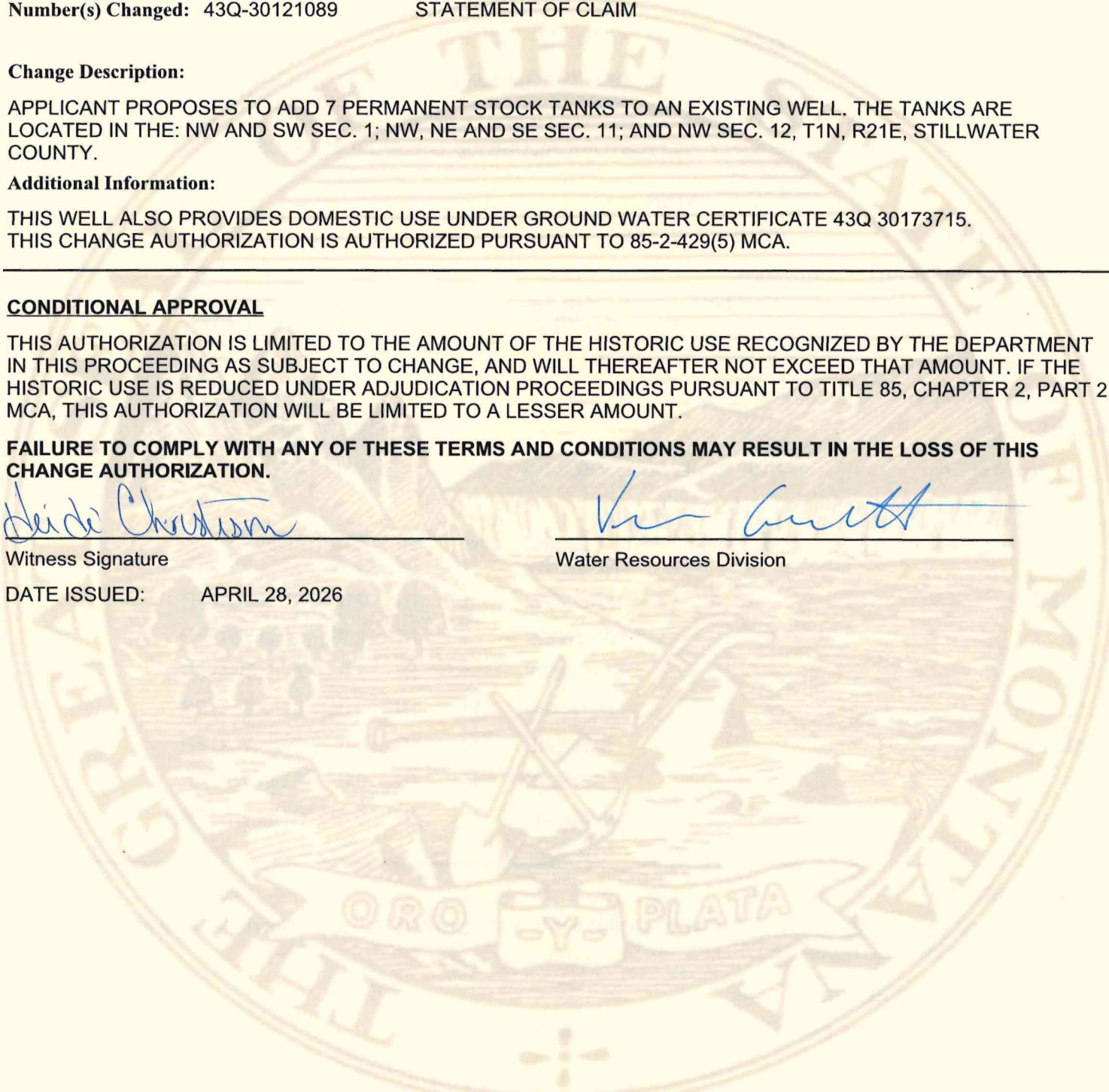


Witness Signature



Water Resources Division

DATE ISSUED: APRIL 28, 2026



**THE INFORMATION SHOWN BELOW REFLECTS THE ENTIRE WATER RIGHT.
 AN ASTERISK (*) HAS BEEN PLACED NEXT TO EACH ITEM ALTERED BY THIS CHANGE AUTHORIZATION.**

Water Right Number: 43Q 30121089 STATEMENT OF CLAIM
Version: 2 -- CHANGE AUTHORIZATION
Version Status: ACTIVE

Owners: MULLANEY, PATRICK M REVOCABLE TRUST
 MULLANEY, PATRICK M TRUSTEE
 2564 FOREST MEADOW LN
 BILLINGS, MT 59102-7930

Priority Date: DECEMBER 31, 1952
Enforceable Priority Date: DECEMBER 31, 1952

Purpose (Use): STOCK
Maximum Flow Rate: 5.00 GPM

Maximum Volume: THIS RIGHT INCLUDES THE AMOUNT OF WATER CONSUMPTIVELY USED FOR STOCKWATERING PURPOSES AT THE RATE OF 30 GALLONS PER DAY PER ANIMAL UNIT. ANIMAL UNITS SHALL BE BASED ON REASONABLE CARRYING CAPACITY AND HISTORICAL USE OF THE AREA SERVICED BY THIS WATER SOURCE.

Source Name: GROUNDWATER
Source Type: GROUNDWATER

Point of Diversion and Means of Diversion:

<u>ID</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1		NESWNW	1	1N	21E	STILLWATER

Period of Diversion: JANUARY 1 TO DECEMBER 31

Diversion Means: WELL

Purpose (Use) STOCK

Period of Use: JANUARY 1 to DECEMBER 31

***Place of Use:**

<u>ID</u>	<u>Acres</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1			NESWNW	1	1N	21E	STILLWATER
*2			NWSWSW	1	1N	21E	STILLWATER
*3			NWNWSW	1	1N	21E	STILLWATER
*4			NWSWNW	1	1N	21E	STILLWATER
*5			NENENW	11	1N	21E	STILLWATER
*6			SWNENE	11	1N	21E	STILLWATER
*7			SENESE	11	1N	21E	STILLWATER
*8			NWSENW	12	1N	21E	STILLWATER

ASSOCIATED RIGHT

STATEMENT OF CLAIM 43Q 30121089 IS ASSOCIATED WITH AUTHORIZED NOTICE OF INTENT 43Q 30173715 BECAUSE THEY SHARE THE SAME WELL.

OWNERSHIP UPDATE RECEIVED

OWNERSHIP UPDATE TYPE DOR # 276587 RECEIVED 06/27/2025.



The Montana Department of
**Natural Resources
& Conservation**

**Notice of Change in Appropriation
Right for Stock Tanks**

85-2-429(5), MCA

Form No. 656 (Revised 10/2025)

FILING FEE:

\$400.00

WHEN TO USE THIS FORM:

- To add, move, or remove stock tanks on an existing water right for stock use, or to change to stock tanks from a livestock direct from source water right.
- File this form within 60 days after the project is completed.
- Multiple water rights may be changed on one form if the place of use and purpose will be exactly the same for each water right, and all water rights will share a common conveyance system.
- This form cannot be used if the amount of water diverted from the source or the number of animal units will increase.

For Department Use Only

RECEIVED

JAN 26 2026

DNRC-WRD-BILLINGS
30174890

Application # _____ Basin 430

Received By V. Corbett

Fee Received \$ 400/800 Check # 7408

Deposit Receipt # BLS 2615651-02

Payor Patrick M. Mullaney

Refund \$ _____ Date/Time ~~15:00~~ 14:32

1. Water right owner(s) information:

Name(s) Patrick M Mullaney Revocable Trust

Mailing Address 2564 Forest Meadow Ln

City Billings State MT Zip 59102

Phone Number 406-839-8932 Email pat@mullaney.biz

Note: If there are additional owners, attach the water right owner information labeled as Attachment #1.

Contact Person: Applicant Consultant Attorney Other _____

Contact Name _____

Mailing Address _____

City _____ State _____ Zip _____

Phone Number _____ Email _____



Note: If a contact person is identified as an attorney, all communications will be sent only to the attorney unless the attorney provides written instruction to the contrary. Unless the contact person is an attorney, the water right owner will receive all correspondence, and a copy may be sent to the contact person.

2. Application details:

a. **Date project was completed:** 1/22/2026

Note: If more than 60 days have passed since the project completion you cannot use this form and will need to file Form 606-Application to Change a Water Right.

b. **List all water right numbers included in this change in appropriation right:**

43Q 30121089

Note: Attach the water right abstracts and a narrative explaining details of the change in appropriation right and label as Attachment #2b.

Note: If you do not have a DNRC water right number, you may have an existing exempt water use. Water for stock use from groundwater sources (well or developed springs) or stock drinking directly from a surface water source were exempt from the general adjudication filing requirements for claims of existing water rights if they met either of the following criteria:

- For wells, the water was put to use prior to January 1, 1962, OR put to use between January 1, 1962, and July 1, 1973, and a notice was filed in the courthouse records.
- For stock drinking directly from the source and water was put to use before July 1, 1973.

If your stock use meets one of the above criteria, complete this form and a Non-Filed Water Project Addendum. You can obtain the addendum from the [Water Rights Forms and Resources webpage](#). If your use does not meet these criteria, contact your Regional Water Resources Office for more information (Regional Office contact information is on page 5).

c. **How many stock tanks have been added through this change?**

Permanent 7 Temporary _____

Note: A temporary change in appropriation right for stock tanks may be authorized in accordance with 85-2-407, MCA.

d. **Will the existing places of use (POUs) continue to be used?** Yes No



e. **New places of use: Provide the following information for all POUs being added in this change:**

Note: If necessary, attach additional geocode or legal land descriptions using another sheet and label as Attachment #2e.

i. Geocode(s) of the place(s) of use:

32-1027-01-2-01-01-0000, 32-1027-12-2-88-01-0000, 32-1027-02-4-01-01-0000,
32-1027-11-1-01-01-0000

ii. Legal Land Description (LLD):

- CIN7 1. NW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 1 Twp 1 N S Rge 21 E W County STILLWATER
 # of permanent tanks in LLD 1 # of temporary tanks in LLD \emptyset
- CIN6 2. NW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 1 Twp 1 N S Rge 21 E W County STILLWATER
 # of permanent tanks in LLD 1 # of temporary tanks in LLD \emptyset
- CIN5 3. NW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 1 Twp 1 N S Rge 21 E W County STILLWATER
 # of permanent tanks in LLD 1 # of temporary tanks in LLD \emptyset
- CIN12 4. NW $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$ Section 12 Twp 1 N S Rge 21 E W County STILLWATER
 # of permanent tanks in LLD 1 # of temporary tanks in LLD \emptyset
- CIN11 5. SE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 11 Twp 1 N S Rge 21 E W County STILLWATER
 # of permanent tanks in LLD 1 # of temporary tanks in LLD \emptyset
- CIN9 6. SW $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 11 Twp 1 N S Rge 21 E W County STILLWATER
 # of permanent tanks in LLD 1 # of temporary tanks in LLD \emptyset
- CIN8 7. NE $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$ Section 11 Twp 1 N S Rge 21 E W County STILLWATER
 # of permanent tanks in LLD 1 # of temporary tanks in LLD \emptyset
8. $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$ Section Twp N S Rge E W County
 # of permanent tanks in LLD # of temporary tanks in LLD



f. **What are the types and numbers of animals that use the stock water system?**

Refer to the [DNRC Water Calculation Guide](#) for information about animal unit (AU) calculations.

Note: If necessary, attach additional animal information using a separate sheet and label as Attachment #2.f.

Type of Animal Beef Cattle x # of Animals 60 = 60 AU

Type of Animal _____ x # of Animals _____ = _____ AU

Type of Animal _____ x # of Animals _____ = _____ AU

Type of Animal _____ x # of Animals _____ = _____ AU

Total Animal Units: _____

g. **Provide the legal land description for new points of diversion (PODs), if the change involves going from livestock drinking direct from source to tanks:**

 $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$ Section Twp N S Rge E W County

 $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$ Section Twp N S Rge E W County

 $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$ Section Twp N S Rge E W County

 $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$ Section Twp N S Rge E W County

h. **Are you changing all water right(s) associated with the place of use?** Yes No

If **No**, provide an explanation of how the rights will be operated to ensure no expansion of use:

Surface water dam (43Q 12152-00) sometimes unreliable, cattle can access tank while in
pastures where they are unable to access surface water. Same herd, will not drink more than
historically from two sources.

Note: If necessary, attach additional narrative explaining details of associated rights and label as Attachment #2h.

i. **Did you add stock tanks on State Trust Lands?** Yes No

If **Yes**, you must include a copy of the DNRC Forestry and Trust Lands Division's *Authorization for Temporary Change in Appropriation Right Consent Form*. A change in authorization to add stock tanks on state trust land will be temporary for the duration of the lease term. If one FORM No. 656 is used to add permanent stock tanks on private land and temporary stock tanks on state trust land the form, attachments and map(s) must clearly identify the permanent POUs on private land and temporary POUs on state trust land.



3. Adequate infrastructure to control diversions:

Note: If stock tanks are being added to a livestock direct from source water right, the diversion must be shut off when the tank is full. If you will not have an automatic shut off on the tank, outflow water must be immediately directed back to the source.

a. **How will the water be diverted from the source?**

Well Pump Gravity Flow Other

b. **Identify the flow rate that will be diverted:** 5 **GPM**

Note: If stock tanks are being added to a livestock direct from source water right, the maximum flow rate for the diversion to the tanks may not exceed 35 GPM (85-2-429(5)(b)(i), MCA).

c. **How was the flow rate determined?**

Capacity of well/pump from NRCS pump testing

d. **Provide evidence to show that the flow rate will be adequate for the new system.**

Note: Attach evidence to the form and label it #3d.

e. **Will a pipeline be used to convey water to the new tanks?** Yes No

If **No**, explain the new means of conveyance:

f. **Provide design plans for the stock tanks system from the point of diversion to the place of use (tanks).** Include pump information, pipe size, pipe length, pipe material, flow shut off method, any valves or booster pumps used, depth pipelines will be buried, etc.

Note: Attach information to the form and label as Attachment #3e.



4. Map: Provide a map or maps depicting the changed stock water system;

Note: label map as attachment #4.

Aerial photos may be available from the DNRC, NRIS, NRCS, USGS, or other sources. Be sure to indicate which tanks are currently authorized and which tanks are being added via this form. The map also must show:

- North arrow, scale bar, section lines and numbers, and township and range.
- Labels for already authorized PODs, POUs and means of conveyance.
- Labels for new PODs, POUs and means of conveyance. The map should reflect the entire water right including the change and the remaining old use.

Signatures(s): All owners must sign the form.

I DECLARE UNDER PENALTY OF PERJURY AND UNDER THE LAWS OF THE STATE OF MONTANA THAT THE FOREGOING IS TRUE AND CORRECT.

I AFFIRM STATEMENTS APPEARING HERE ARE TO THE BEST OF MY KNOWLEDGE TRUE AND CORRECT. I ALSO AFFIRM THAT I HAVE POSSESSORY INTEREST IN THE PROPERTY WHERE THE WATER IS TO BE PUT TO BENEFICIAL USE.

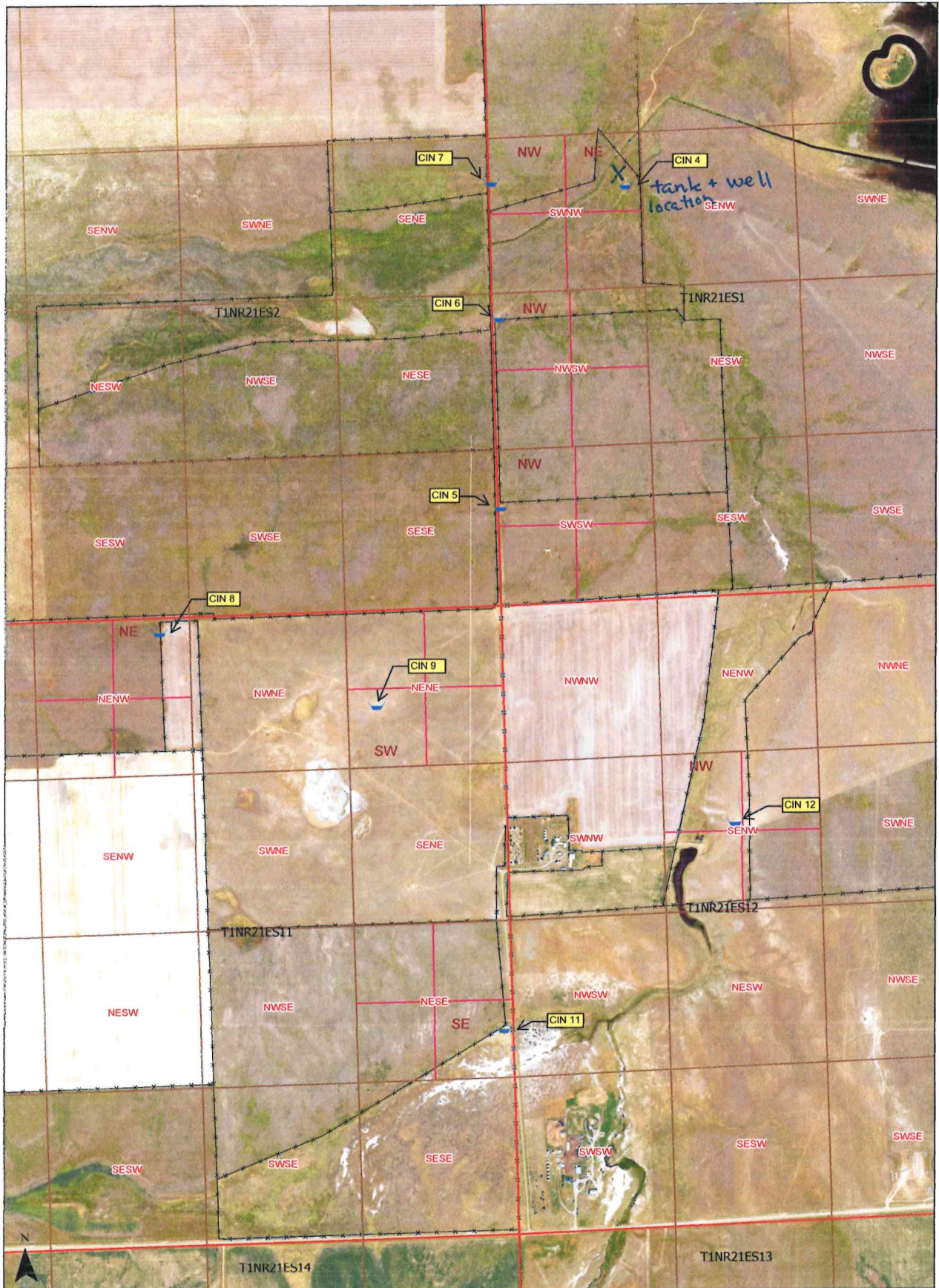
Water Right Owner Signature Patrick M. Mullaney Date 1-26-26

Printed Name PATRICK M. Mullaney as trustee

Water Right Owner Signature _____ Date _____

Printed Name _____





Attachment #3E, 4

Client(s): PAT MULLANEY
 Location: T1NR21E S1.11.12
 District: STILLWATER CONSERVATION DISTRICT
 Field Office: COLUMBUS FIELD OFFICE
 Assisted By: Cedar Magone, USDA - NRCS
 Created On: 1/22/2026
 0 800 1,600
 Feet

—x— Mullaney Fence
 — Existing Tanks

STATE OF MONTANA
DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
1424 9TH AVENUE P.O. BOX 201601 HELENA, MONTANA 59620-1601

GENERAL ABSTRACT

Water Right Number: 43Q 30121089 STATEMENT OF CLAIM

Version: 1 -- ORIGINAL RIGHT

Version Status: ACTIVE

Owners: MULLANEY, PATRICK M REVOCABLE TRUST
2564 FOREST MEADOW LN
BILLINGS, MT 59102

Priority Date: DECEMBER 31, 1952

Enforceable Priority Date: DECEMBER 31, 1952

Type of Historical Right: USE

Purpose (Use): STOCK

Maximum Flow Rate: 5.00 GPM

Maximum Volume: THIS RIGHT INCLUDES THE AMOUNT OF WATER CONSUMPTIVELY USED FOR STOCKWATERING PURPOSES AT THE RATE OF 30 GALLONS PER DAY PER ANIMAL UNIT. ANIMAL UNITS SHALL BE BASED ON REASONABLE CARRYING CAPACITY AND HISTORICAL USE OF THE AREA SERVICED BY THIS WATER SOURCE.

Source Name: GROUNDWATER

Source Type: GROUNDWATER

Point of Diversion and Means of Diversion:

<u>ID</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1		NESWNW	1	1N	21E	STILLWATER

Period of Diversion: JANUARY 1 TO DECEMBER 31

Diversion Means: WELL

Period of Use: JANUARY 1 to DECEMBER 31

Place of Use:

<u>ID</u>	<u>Acres</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1			NESWNW	1	1N	21E	STILLWATER

Geocodes/Valid: 32-1027-01-2-01-01-0000 - Y

Remarks:

THE FOLLOWING ELEMENTS WERE AMENDED BY THE CLAIMANT ON 07/15/2025: POINT OF DIVERSION AND PLACE OF USE.

OWNERSHIP UPDATE RECEIVED

OWNERSHIP UPDATE TYPE DOR # 276587 RECEIVED 06/27/2025.

THIS CLAIM NUMBER WAS NOT INCLUDED IN THE BASIN 43Q DECREE ISSUED 12/29/1998.

2b.

Existing well (43Q 30121089) with one tank at well.

New pipeline added with 7 additional tanks. Same herd (60 head) rotationally grazed on various pastures. No increase in use.

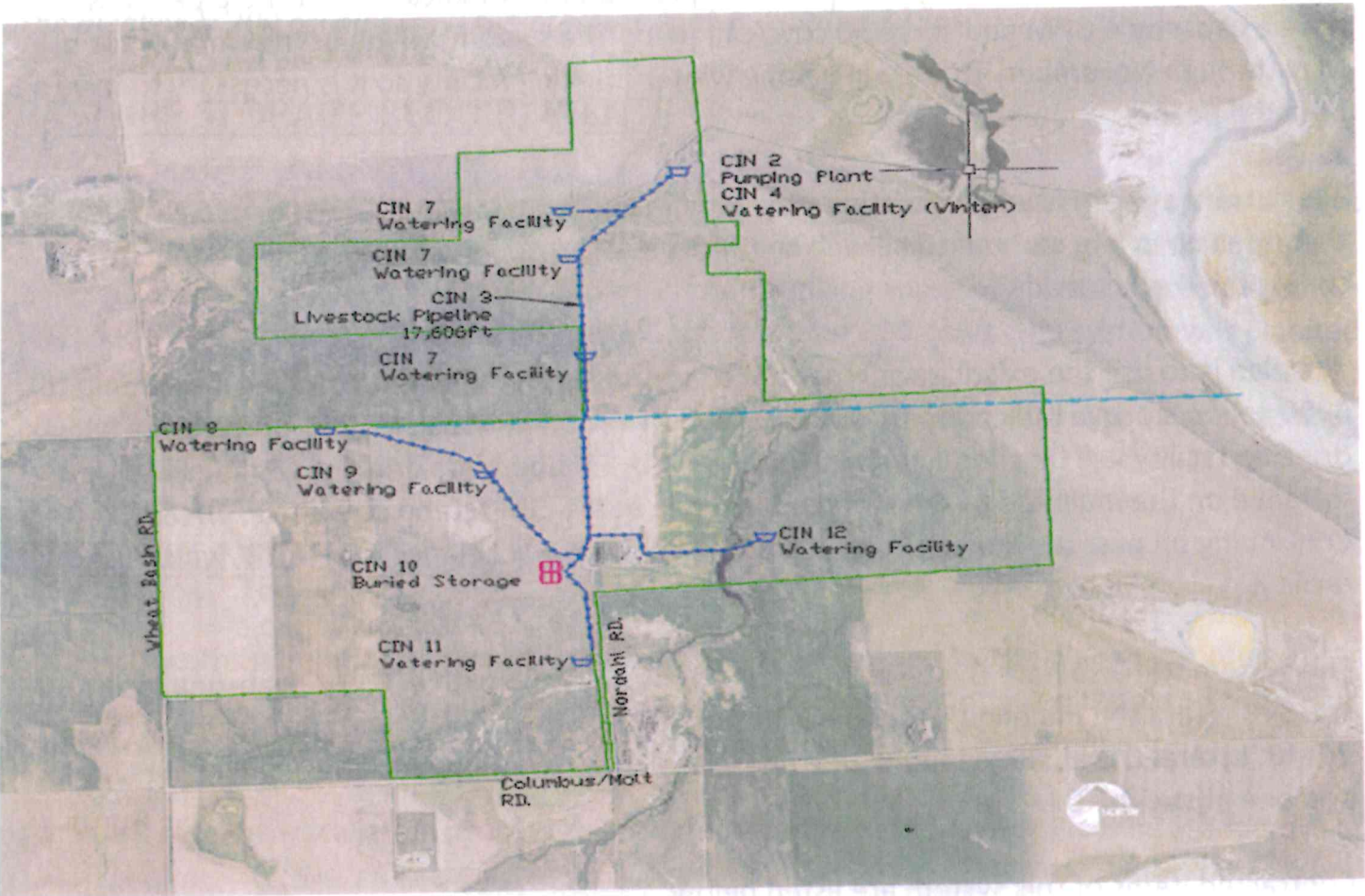
3d

PUMPING TEST DATASHEET

STEP THREE 150% of design production	Date <u>8-22-19</u>	Start Time <u>9:48</u>	5.1	
Time Since Start (minutes)	Actual Time Since Start (minutes)	Depth to Pumping Water Level (ft.)	Drawdown (ft.)	Discharge (gpm)
1	49 49	13.82	8.67	.50
2		14.24	9.09	
3		14.55	9.4	
4		14.78	9.63	
5		14.95	9.8	
6		15.13	9.98	
7		15.25	10.1	
8		15.35	10.2	
9		15.45	10.3	
10		15.54	10.39	
11		15.63	10.48	
12		15.71	10.56	
13		15.73	10.58	
14		15.78	10.63	
15		15.82	10.67	
17		15.87	10.72	
19		15.93	10.78	
21	69	15.97	10.82	
23				
25				
27				
29				
30				
35				
40				
45				
50				
55				
60				
70				
80				
90				
100				
115				
130				
145				
160				
180				
210				
240				
270				
300				

Field Notes:

PAT MULLANEY LIVESTOCK PIPELINE DESIGN REPORT



PROJECT LOCATION AND BACKGROUND

The Pat Mullaney stock water pipeline system is located approximately 24 miles north east of Columbus MT. on the Columbus Molt Road. The legal description is T1S R21E-SEC 5,6,11, and 12.

Planning for the project was conducted by Garrett Larson in the summer and fall of 2018 and included all components of an RMS Plan. A hard copy of the planning data is available in the Columbus Field Office. This project is an SGI plan which will include fencing and a grazing system. A planned grazing system has been developed and the proposed pipeline was designed to meet the needs of that plan. The plan summary indicates that the pipeline will have a capacity 4 GPM and serve 50 cow/calf pairs. The system will be used primarily for use May through November. There will be one winter drinking facility so it is necessary to have a 5' buried pipeline.

The current system used the existing well with a tank at that location and some seasonal water that dries up in late summer. The well has had a pump test completed and it is adequate to supply the 4 gpm needed.

The plan is to use the existing well that has a ground surface elevation of 3964' and pump to a 6000 gallon storage tank with a ground surface elevation of 4081'. A 7' x 14' fiberglass winter drinking facility will be added at sta. 0+00. Two 7' x 14' fiberglass drinking facilities will be installed on the mainline to the storage tank, one at sta. 39+71 and one at sta. 40+83. Continuing on past the storage tank at sta. 77+60 there will be another 7' x 14' watering facility.

The system will also have 3 lateral lines, Lat A is at sta. 7+56 with a 7' x14' watering facility at sta. 5+87 from the mainline. Lateral B is at sta. 58+20 with a 7' x14' watering facility at sta. 29+40. Lateral C is at sta. 61+30 with 2 fiberglass 7' x14' watering facilities, one at sta. 22+19 and one at sta. 40+04.

Contracted items of this system are listed below.

- 1) 18,500ft. of 1.5" DR11 200psi HDPE pipe
- 2) 7 – 7' x 14' Fiberglass drinking tanks
- 3) 1 – 7' x 14' Winter fiberglass drinking tank
- 4) Pumping plant
- 5) 6000gal. buried storage tank

Garrett Larson , and Mark Doely were on-site several times to determine the pipeline layout. The entire pipeline route was surveyed with the survey-grade GPS unit on 8-9-19 by John Rovai and Mark Doely. This data was used for developing pipeline profiles and completing hydraulic calculations.

DESIGN CRITERIA:

Montana Standards 516 and 614 were used for design criteria.

REQUEST FOR REVIEW:

SYSTEM PRESSURES and PIPELINE PRESSURE RATING:

*Operating pressure with a shutoff pressure being 20lbs over the on pressure is 102psi.
The pipeline is 200 psi pipe, and the pressure tank is rated at 125psi.*

PASTURE STORAGE REQUIREMENTS

Planning data was obtained and used for determining tank storage. The drinking space allowed for the cattle was figured using the straight side option of 24" per animal. The tank length is 14ft on 2 sides which equals 28ft, divided by 2ft per drinking space equals 14 spaces per tank. We used 20 cows per space which equals enough room for 280 cows. The system was planned for 50 cow/calf pairs.

Calculations and additional information are in the Design Calculations/Storage Tank and Stock Tank Sizing section.

SAFETY CONSIDERATIONS

Safety concerns in relation to storage tank access were addressed by the placement of an access ladder in each storage tank conforming to OSHA Standard for Fixed Ladders 1910.27 and the installation of a perimeter fence to prevent vehicular and large animal traffic.

Livestock pipeline installation procedure are referenced in the Livestock Pipeline Standard #516.