**State of Idaho**
**Department of Water Resources**

# Water Right License

**Water Right No. 29-7917**

**Priority**: May 27, 2022

**Maximum Diversion Rate:** 0.17 CFS
**Maximum Diversion Volume:** 23.2 AF

It is hereby certified that:

TIRRELL WATER USERS INC 1809 GOVERNMENT RD POCATELLO ID 83204

has complied with the terms and conditions of the permit, issued pursuant to Application for Permit dated April 06, 1990, and has submitted Proof of Beneficial Use on May 27, 2022. An examination confirms water is diverted from:

**Source :** GROUND WATER

| Beneficial Use | Period of Use | Rate of Diversion | Annual Volume |
|---|---|---|---|
| DOMESTIC | 01/01 to 12/31 | 0.11 CFS | 3.0 AF |
| STOCKWATER | 01/01 to 12/31 | 0.02 CFS | 0.2 AF |
| IRRIGATION | 04/01 to 10/31 | 0.10 CFS | 20.0 AF |

**Location of Point(s) of Diversion**
GROUND WATER L3 ( NE¼ NW¼), Sec. 2, Twp 06S, Rge 33E, B.M. POWER County

**Place of Use:** DOMESTIC

| Twp | Rng | Sec | NE | | | | NW | | | | SW | | | | SE | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE |
| 06S | 33E | 2 | | | | | X L3 | | | | | | | | | | | |

**Place of Use:** STOCKWATER

| Twp | Rng | Sec | NE | | | | NW | | | | SW | | | | SE | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE |
| 06S | 33E | 2 | | | | | X L3 | | | | | | | | | | | |

**Place of Use:** IRRIGATION

| Twp | Rng | Sec | NE | | | | NW | | | | SW | | | | SE | | | | Totals |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | |
| 06S | 33E | 2 | | | | | 5.0 L3 | | | | | | | | | | | | 5.0 |

Total Acres: 5.0

**Conditions of Approval**

1. Use of water under this right may be regulated by a watermaster with responsibility for the distribution of water among appropriators within a water district. At the time of this approval, this water right is within State Water District No.120.

SCANNED
JAN 13 2023

State of Idaho
Department of Water Resources

# Water Right License

**Water Right No. 29-7917**

2. This right when combined with all other rights shall provide no more than 0.02 cfs per acre nor more than 4.0 afa per acre at the field headgate for irrigation of the place of use.

3. Domestic use is for 5 homes and does not include lawn, garden, landscape, or other types of irrigation.

4. Upon specific notification by the Department, the right holder shall install and maintain acceptable measuring device(s) at the authorized point(s) of diversion, in accordance with Department specifications.

5. Upon specific notification of the Department, the right holder shall install and maintain data loggers to record water usage information at the authorized point(s) of diversion in accordance with Department specifications.

6. This right does not grant any right-of-way or easement across the land of another.

This license is issued pursuant to the provisions of Idaho Code § 42-219. The water right confirmed by this license is subject to all prior water rights and shall be used in accordance with Idaho law and applicable rules of the Department of Water Resources.

Signed this 30th day of DECEMBER, 2022.

Angela M. Hansen

ANGELA HANSEN
Water Rights Section Manager

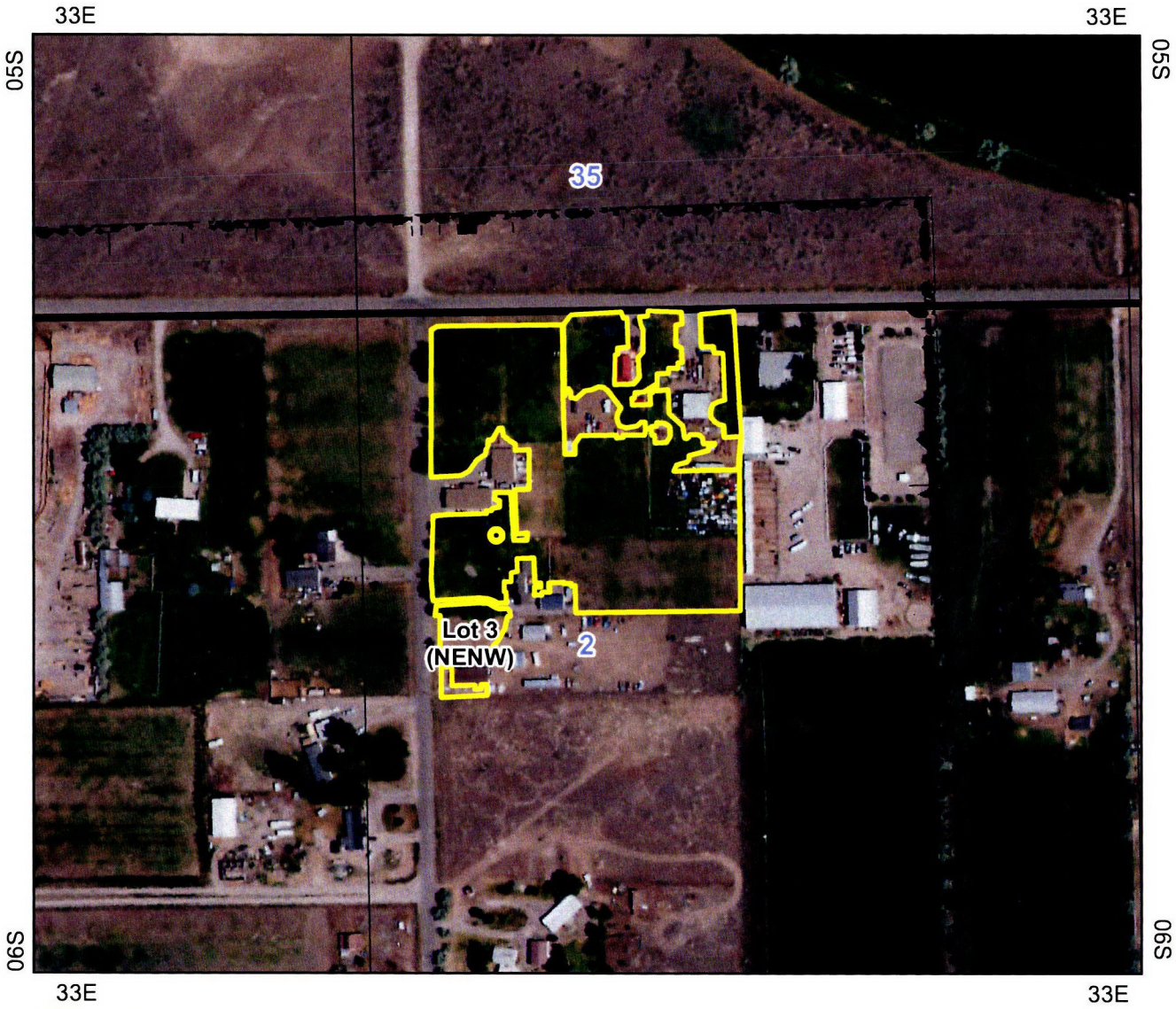
SCANNED
JAN 03 2023

State of Idaho
Department of Water Resources

# Attachment to Water Right License

29-7917

This map depicts the IRRIGATION place of use boundary for this water right at the time of this approval and is attached to the approval document solely for illustrative purposes.




Place Of Use Boundary
Townships
PLS Sections
Quarter Quarters
Point of Diversion

0 0.035 0.07 0.14 Miles

N

SCANNED
JAN 3 2023

State of Idaho
Department of Water Resources

# Attachment to Water Right License

29-7917

This map depicts the DOMESTIC and STOCKWATER place of use boundary for this water right at the time of this approval and is attached to the approval document solely for illustrative purposes.




Place Of Use Boundary
Townships
PLS Sections
Quarter Quarters
Point of Diversion

0 0.035 0.07 0.14 Miles

N

SCANNED
JAN 13 2023

RECEIVED
SEP 28 2022
DEPARTMENT OF
WATER RESOURCES

**State of Idaho**
**Department of Water Resources**

# Application for Amendment

(For Licensing Purposes)
**Water Right No. 29-7917**

**Priority**: May 27, 2022

**Maximum Diversion Rate:** 0.17 CFS
**Maximum Diversion Volume:** 23.2 AF

The owner and holder of Permit to Appropriate the Public Waters of the State of Idaho No. 29-7917

TIRRELL WATER USERS INC
1809 GOVERNMENT RD
POCATELLO ID 83204

requests the permit be changed as follows:

**Source :** GROUND WATER

| Beneficial Use | Period of Use | Rate of Diversion | Annual Volume |
|---|---|---|---|
| DOMESTIC | 01/01 to 12/31 | 0.11 CFS | 3.0 AF |
| STOCKWATER | 01/01 to 12/31 | 0.02 CFS | 0.2 AF |
| IRRIGATION | 04/01 to 10/31 | 0.10 CFS | 20.0 AF |

**Location of Point(s) of Diversion**
GROUND WATER L3 ( NE¼ NW¼), Sec. 2, Twp 06S, Rge 33E, B.M. POWER County

**Place of Use:** DOMESTIC and STOCKWATER

| Twp | Rng | Sec | NE | | | | NW | | | | SW | | | | SE | | | | Totals |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | |
| 06S | 33E | 2 | | | | | X L3 | | | | | | | | | | | | |

**Place of Use:** IRRIGATION

| Twp | Rng | Sec | NE | | | | NW | | | | SW | | | | SE | | | | Totals |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | |
| 06S | 33E | 2 | | | | | 5 L3 | | | | | | | | | | | | 5 |

Total Acres: 5

Permit holder asserts that no one will be injured by such change and that such change will be made at permit holder's own risk.

Signed this 26 day of SEPTEMBER, 2022.

Marlon J. Kunkel
(Signature)

SCANNED
JAN 03 2023

**State of Idaho**
**Department of Water Resources**

# Application for Amendment

(For Licensing Purposes)
**Water Right No. 29-7917**

FOR DEPARTMENT USE ONLY

Preliminary check by ____ Fee = $100 Receipted by KM # C114090 Date 9/28/22

## ACTION OF THE DEPARTMENT OF WATER RESOURCES

The Idaho Department of Water Resources hereby approves the above Application for Amendment for Permit No. 29-7917 with the following:

**Conditions of Approval**

1. Use of water under this right may be regulated by a watermaster with responsibility for the distribution of water among appropriators within a water district. At the time of this approval, this water right is within State Water District No.120.

2. This right when combined with all other rights shall provide no more than 0.02 cfs per acre nor more than 4.0 afa per acre at the field headgate for irrigation of the place of use.

3. Domestic use is for 5 homes and does not include lawn, garden, landscape, or other types of irrigation.

4. Upon specific notification by the Department, the right holder shall install and maintain acceptable measuring device(s) at the authorized point(s) of diversion, in accordance with Department specifications.

5. Upon specific notification of the Department, the right holder shall install and maintain data loggers to record water usage information at the authorized point(s) of diversion in accordance with Department specifications.

6. This right does not grant any right-of-way or easement across the land of another.

This amendment is issued pursuant to the provisions of Idaho Code § 42-211.

Signed this 30th day of DECEMBER, 2022.

Angela M. Hansen

ANGELA HANSEN
Water Rights Section Manager

SCANNED
JAN 03 2023

State of Idaho
Department of Water Resources

# Attachment for Application to Amend a Permit

29-7917

This map depicts the DOMESTIC and STOCKWATER place of use boundary for this water right at the time of this approval and is attached to the approval document solely for illustrative purposes.




Place Of Use Boundary
Townships
PLS Sections
Quarter Quarters
Point of Diversion
State Outline

0 0.035 0.07 0.14 Miles

N

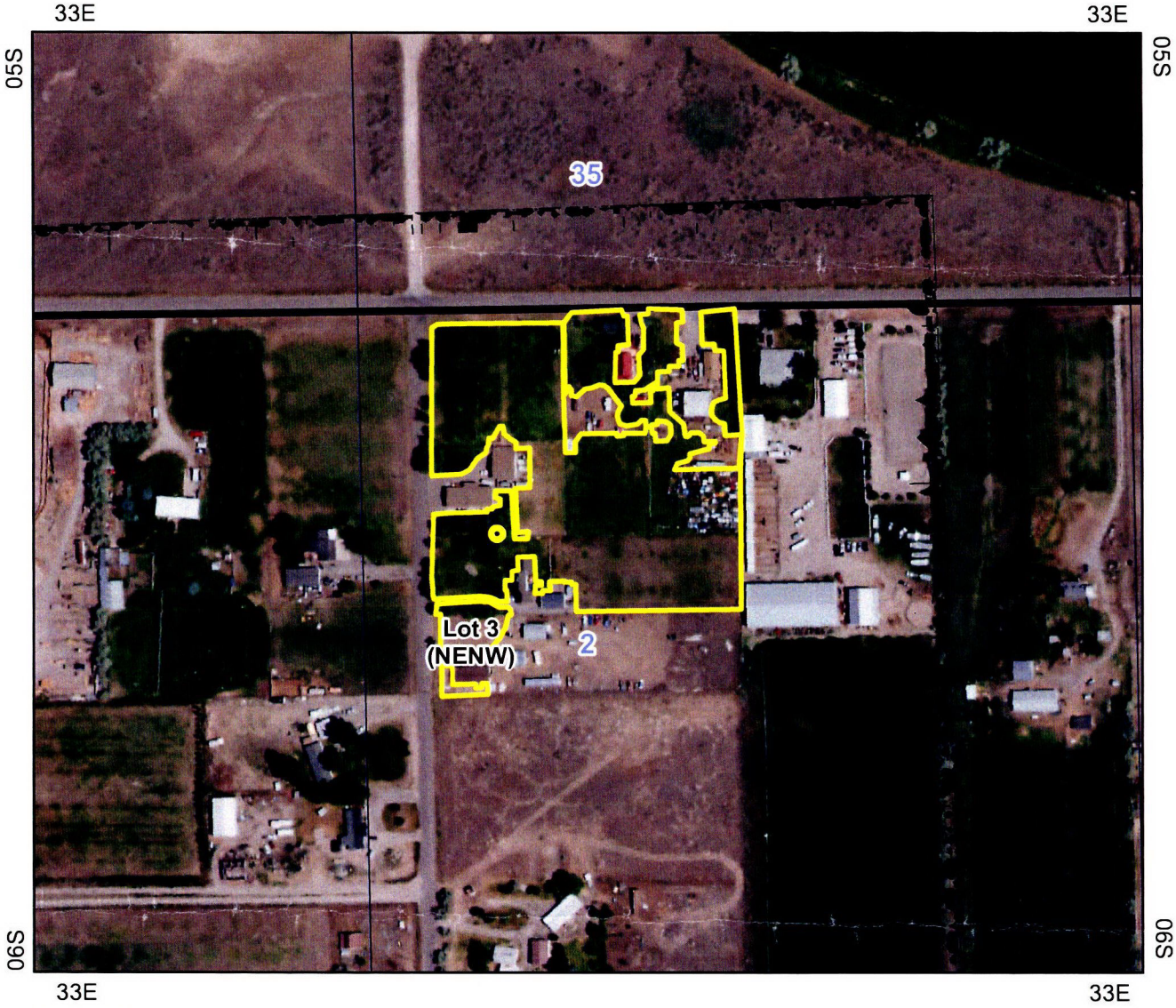
SCANNED
JAN 3 2023

State of Idaho
Department of Water Resources

# Attachment to Water Right License

29-7917

This map depicts the IRRIGATION place of use boundary for this water right at the time of this approval and is attached to the approval document solely for illustrative purposes.




Place Of Use Boundary
Townships
PLS Sections
Quarter Quarters
Point of Diversion

0 0.035 0.07 0.14 Miles

ALL IS CORRECT

N

SCANNED
JAN 13 2023

**BEFORE THE DEPARTMENT OF WATER RESOURCES**
**OF THE STATE OF IDAHO**

| | | |
|---|---|---|
| IN THE MATTER OF PERMIT NO. 29-7917<br>IN THE NAME OF TIRRELL WATER<br>USERS INC | )<br>)<br>) | **PRELIMINARY ORDER**<br>**REINSTATING A PERMIT** |

This matter having come before the Idaho Department of Water Resources ("Department"), the Department finds, concludes and orders as follows:

## FINDINGS OF FACT

1. On July 31, 1990, the Department issued Permit No. 29-7917 ("Permit") in the name of Tirrell Water Users Inc. ("Permit Holder") authorizing the diversion of 0.30 cubic feet per second of ground water in the NE¼NW¼ of Section 2 in Township 6 South, Range 33 East, B.M., Power County. The permit was issued for 0.17 cubic feet per second for 8.5 acres of irrigation, 0.02 cubic feet per second for stockwater use, and 0.11 cubic feet per second for domestic use for 5 homes. A condition of permit approval required the Permit Holder to submit proof of beneficial use of water to the Department on or before August 1, 1992.

2. On May 31, 1992, the Department notified the Permit Holder by certified mail that proof of beneficial use was due ("Proof Due Notice") and instructed the Permit Holder of the steps to be taken to submit a *Statement of Completion for Submitting Proof of Beneficial Use* ("Proof") or a *Request for Extension of Time* ("Extension Request").

3. On August 1, 1992, the Permit lapsed because the Department had not received an acceptable Proof or Extension Request.

4. On August 5, 1992, the Department notified the Permit Holder the Permit lapsed because no Proof or Extension Request had been received.

5. On May 11, 2022, the Department received Proof and a reinstatement fee of $250. The Proof was returned, and the fee was held until a proper Proof had been received.

6. On May 23, 2022, the Department received a statement of reasonable cause for filing a late Proof ("Reinstatement Request"). The Permit Holder stated in the Reinstatement Request that the Proof Due Notice was sent to the correct address, but the owner of the property where the Proof Due Notice was sent was going through major life changes and was in the process of selling the property. None of the other property owners were aware that the notice had been received. The other owners of the properties continued to irrigate the property not knowing that Proof had not been submitted.

7. On May 27, 2022, the Department received a beneficial use report ("Field Report") prepared by a certified water right examiner ("CWRE") and a new Proof. The original Proof and the Reinstatement Request were still on file with the Department.

SCANNED
SEP 12 2022

8. The CWRE reported in the Field Report and additional information submitted for clarification of the Field Report, that the Permit Holder beneficially used 0.11 cubic feet per second and 3.0 acre-feet for domestic use for 5 homes, 0.02 cubic feet per second and 0.2 acre-feet for stockwater, and 0.11 cubic feet per second and 21.6 acre-feet for the irrigation of 5.4 acres for a total of 0.17 cubic feet per second and 24.8 acre-feet of water pursuant to the Permit prior to August 1, 1992.

## CONCLUSIONS OF LAW

Idaho Code § 42-218a(1) states, in pertinent part:

> A permit upon which the proof of beneficial use,... has not been submitted, or a request for extension of time has not been received on or before the date set for such proof... shall lapse and be of no further force nor effect... Notice of said lapsing shall be sent by the department to the permit holder at the address of record by regular mail.

Idaho Code § 42-218a(3) states as follows:

> In connection with a proof of beneficial use statement submitted more than sixty (60) days after such notice of lapsing, the director shall require all of the following items to be submitted to the department:
>
> (a) A report prepared by a certified water right examiner as the result of an examination to clearly confirm and establish the extent of the beneficial use of water established in connection with the permit during the time authorized by the permit and any extensions of time previously approved. The report shall be on the form or forms specified by the director and shall provide the information specified in section 42-217, Idaho Code, for confirming beneficial use and such other information as may be required by the director.
>
> (b) A statement of reasonable cause for filing a late proof of beneficial use.
>
> (c) A reinstatement fee of two hundred fifty dollars ($250).

The Permit Holder has provided a reasonable showing why the Permit should be reinstated by submitting an acceptable Proof, Field Report, statement of reasonable cause, and reinstatement fee. The Permit should be reinstated based upon the May 27, 2022 filing date.

## ORDER

IT IS HEREBY ORDERED that Permit No. 29-7917 is **REINSTATED** and the priority date advanced to May 27, 2022.

DATED this 6th day of September, 2022.

Angela M. Hansen

Angela M. Hansen
Water Rights Section Manager

SCANNED
SEP 12 2022

RECEIVED

MAY 27 2022

DEPARTMENT OF WATER RESOURCES

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

# STATEMENT OF COMPLETION

FOR SUBMITTING PROOF OF BENEFICIAL USE

| FOR OFFICE USE ONLY |
|---|
| Amt. of Fee $ |
| Receipt No. |
| Receipted By |
| Date Receipted |

The Idaho Department of Water Resources considers this form a statement by the permit holder(s) that development of a water right has been **completed** and that water has been applied to beneficial use to the extent described below. **This form must be accompanied by an examination fee, when necessary, or by a completed Beneficial Use Field Report prepared by a certified water right examiner.** Please refer to the instructions and fee schedule for this form. If ownership of the permit has changed, contact any Department office or visit the Department's website at idwr.idaho.gov for an *Assignment of Permit* form. If you wish to relinquish your permit because you have not established the authorized use of the water and are not applying for an extension, please notify the Department in writing.

1. Permit No. 29-07917 Telephone No. 208-547-7396
2. Name of Permit Holder(s) Tirrell Water Users Inc.
3. Mailing Address 1809 Government Rd City Pocatello
   State ID Zip 83204 Email mjkulicke@hotmail.com
4. Source of Water Groundwater If **GROUND WATER** (well), Date Drilled mo. 03 / yr. 1977
   Well Driller Jack Cushman Drilling Drilling Permit Number 821987 (Log incorrectly located)
5. Extent of use(s) completed **as authorized by the water right permit**:
   Domestic (No. of households) 5 Stockwater (No. and type of stock) Number varies: horses, cattle, goats
   Irrigation (No. of acres) 5.4 Other
6. Total rate of diversion or storage volume for which proof is submitted 0.17 cfs **OR** 24.6 acre-feet.
7. Compliance with a measuring device requirement, lockable controlling device requirement, and/or other conditions of permit: Refer to the approval conditions on your permit and respond accordingly.
   **The Department will not issue a license if permit conditions are not met.**

| | | | |
|---|---|---|---|
| Measuring Device | **Is a measuring device required?** | Yes ☐ | No ☑ |
| | **If yes**, has the measuring device been installed? | Yes ☐ | No ☐ |
| Lockable Controlling Device | **Is a lockable device required to control the diversion?** | Yes ☐ | No ☑ |
| | **If yes**, has the lockable device been installed? | Yes ☐ | No ☐ |
| Fish Screen | **Is a fish screen required?** | Yes ☐ | No ☑ |
| | **If yes**, has the fish screen been installed? | Yes ☐ | No ☐ |

   **Other Conditions of Permit**
   Do the approval conditions on your permit require you to submit additional information in connection with your proof of beneficial use? If yes, list the conditions below and attach documents with the required information.
   See the Statement Supporting Reinstatement of Lapsed Permit with the BUFR. Completed? Yes ☑ No ☐
8. Fee Enclosed $ _____ or not applicable ☑. See fee schedule on page 2 of the instructions.
   Proof statements filed without an appropriate fee, will be considered incomplete.
9. Person to contact to accompany the Department representative during field examination of the water system.
   Name Merlin Kulicke Telephone Number 208-547-7396
   Mailing Address 1809 Government Road City Pocatello
   State ID Zip 83704 Email mjkulicke@hotmail.com

**The information given on this form is my true statement of the extent to which the above numbered permit has been developed and water has been diverted and applied to a beneficial use. I understand that any undeveloped portion of the permit is relinquished to the State of Idaho.**

Signature of Permit Holder Merlin J. Kulicke SECRETARY/PRESIDENT TIRRELL WATER USERS Date May 6, 2022
*(Include your title, if on behalf of company or organization)*

SCANNED SEP 12 2022

**Mail to: Idaho Department of Water Resources, PO Box 83720, Boise, ID 83720-0098**

Form No. 217 12/15

RECEIVED
MAY 23 2022
DEPARTMENT OF WATER RESOURCES

Fee $250.00
Receipt no E048129
Receipted by CH
Date 5/11/22

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

# Request to Reinstate a Permit Lapsed more than Sixty Days

*Statements of Completion for Submitting Proof of Beneficial Use* submitted more than sixty (60) days after mailing of a lapsed permit notice must be accompanied by a Beneficial Use Field Report prepared by a certified water right examiner as the result of an examination to clearly confirm and establish the extent of the beneficial use of water established in connection with the permit during the time authorized by the permit and any extensions of time previously approved, a statement of reasonable cause for filing late proof of beneficial use, and a reinstatement application fee of $250 per§ 42-218a(2), Idaho Code.

**Statement of reasonable cause for filing a late proof of beneficial use:**

See attached narrative.

**Required items:**

- ☑ Statement of Completion for Submitting Proof of Beneficial Use
- ☑ Beneficial Use Field Report
- ☑ Reinstatement application fee of $250

**The information contained in this statement is true to the best of my knowledge. I understand that should the department reinstate my permit that the priority date will be advanced to the day that proof of beneficial use was received.**

| Signature of Permit Holder or Authorized Representative | Print Name and Title if applicable | Date |
|---|---|---|
| Merlin G. Kulicke | Merlin J. Kulicke, President | 5-18-2022 |
| | | |

SCANNED
SEP 12 2022

Form 42-218a 07/11

**Statement Supporting Reinstatement of Lapsed Permit**
*Permit No. 29-7917*
*Tirrell Water Users, Inc.*

Since the original application was submitted to IDWR to develop permit 29-7917, the address used for all correspondence was 1809 Government Rd, which was the residence of Mr. Gerald Uehling at the time of the development period. Mr. Uehling submitted the application for permit and thereafter received all correspondence in regards to the water right and managed the water system. According to current residents of the subdivision, Mr. Uehling was experiencing major life changes at about the same time period that the Statement of Completion was due in August 1992. Since no other residents received a copy of the correspondence, and Mr. Uehling was essentially "not available," the notice sent by IDWR to submit the Statement of Completion was overlooked or otherwise unknown to the water users. Mr. Uehling then sold his house to Bryan and Maylynn Flake in 1993 and left without informing anyone of the situation with the Permit. In 1997, Merlin Kulicke purchased the house at 1809 Government Rd. and later received the letter from IDWR regarding Unauthorized Water Use E2021-2768 on December 8, 2021. Until the date of this letter, the residents, having no understanding of water right processes, believed the water right to be secured.

Although the Statement of Completion was not submitted in a timely manner, the water right had been developed and has been consistently used since the development period. The 5 domestic connections were connected and actively using water by the end of 1992. The irrigated acres have varied over the years due to differing owners and needs on the properties. No photography was found for 1990 or 1991 with which to verify irrigation. The 1992 Orthoquad is not as clear as the 1993 Google Earth image, which shows about 5.4 acres being irrigated. Acres were measured in several more years using NAIPS and a table of the mapped acres are included in Table 1 below to show the continued use of the water right. Although the maximum acreage measured occurred in 1993, there are enough years of photography absent to leave doubt as to any permanent reduction in irrigated acres. It appears that the acres irrigated have shifted across the lots depending on the needs of the property owners. See Figures 4-8 in the Beneficial Use Field Report for a map of each year from Table 1 with measured acres.

**Table 1. Irrigated Acres**

| Year | Acres |
|---|---|
| 1993 | 5.4 |
| 2004 | 3.7 |
| 2011 | 5.2 |
| 2019 | 5.2 |
| 2021 | 4.3 |

Water has been used annually to support small numbers of stock, including, horses, cows, and goats.

Kristin Moore
Senior Water Rights Analyst

Merlin J. Kulicke
Merlin Kulicke
President, Tirrell Water Users Assn., Inc.

SCANNED
SEP 12 2022

RECEIVED

MAY 11 2022

Department of Water Resources
Eastern Region

RECEIVED
MAY [redacted] 2022
DEPARTMENT OF WATER RESOURCES

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

# STATEMENT OF COMPLETION

FOR SUBMITTING PROOF OF BENEFICIAL USE

| FOR OFFICE USE ONLY | |
|---|---|
| Amt. of Fee $ | 250.00 |
| Receipt No. | E048129 |
| Receipted By | CA |
| Date Receipted | 5/11/22 |

The Idaho Department of Water Resources considers this form a statement by the permit holder(s) that development of a water right has been **completed** and that water has been applied to beneficial use to the extent described below. **This form must be accompanied by an examination fee, when necessary, or by a completed Beneficial Use Field Report prepared by a certified water right examiner.** Please refer to the instructions and fee schedule for this form. If ownership of the permit has changed, contact any Department office or visit the Department's website at idwr.idaho.gov for an *Assignment of Permit* form. If you wish to relinquish your permit because you have not established the authorized use of the water and are not applying for an extension, please notify the Department in writing.

1. Permit No. 29-07917 Telephone No. 208-547-7396
2. Name of Permit Holder(s) Tirrell Water Users Inc.
3. Mailing Address 1809 Government Rd City Pocatello
   State ID Zip 83204 Email mjkulicke@hotmail.com
4. Source of Water Groundwater If **GROUND WATER** (well), Date Drilled mo. 03 / yr. 1977
   Well Driller Jack Cushman Drilling Drilling Permit Number 821987 (Log incorrectly located)
5. Extent of use(s) completed **as authorized by the water right permit**:
   Domestic (No. of households) 5 Stockwater (No. and type of stock) Number varies: horses, cattle, goats
   Irrigation (No. of acres) 5.4 Other
6. Total rate of diversion or storage volume for which proof is submitted 0.17 cfs **OR** 24.6 acre-feet.
7. Compliance with a measuring device requirement, lockable controlling device requirement, and/or other conditions of permit: Refer to the approval conditions on your permit and respond accordingly.
   **The Department will not issue a license if permit conditions are not met.**

| | | | |
|---|---|---|---|
| Measuring Device | **Is a measuring device required?** | Yes ☐ | No ☑ |
| | **If yes**, has the measuring device been installed? | Yes ☐ | No ☐ |
| Lockable Controlling Device | **Is a lockable device required to control the diversion?** | Yes ☐ | No ☑ |
| | **If yes**, has the lockable device been installed? | Yes ☐ | No ☐ |
| Fish Screen | **Is a fish screen required?** | Yes ☐ | No ☑ |
| | **If yes**, has the fish screen been installed? | Yes ☐ | No ☐ |

   **Other Conditions of Permit**
   Do the approval conditions on your permit require you to submit additional information in connection with your proof of beneficial use? If yes, list the conditions below and attach documents with the required information.
   See the Statement Supporting Reinstatement of Lapsed Permit with the BUFR. Completed? Yes ☑ No ☐
8. Fee Enclosed $ _____ or not applicable ☑. See fee schedule on page 2 of the instructions.
   Proof statements filed without an appropriate fee, will be considered incomplete.
9. Person to contact to accompany the Department representative during field examination of the water system.
   Name Merlin Kulicke Telephone Number 208-547-7396
   Mailing Address 1809 Government Road City Pocatello
   State ID Zip 83704 Email mjkulicke@hotmail.com

**The information given on this form is my true statement of the extent to which the above numbered permit has been developed and water has been diverted and applied to a beneficial use. I understand that any undeveloped portion of the permit is relinquished to the State of Idaho.**

Signature of Permit Holder Merlin G. Kulicke SECRETARY/PRESIDENT TIRRELL WATER USERS Date May 5, 2022
*(Include your title, if on behalf of company or organization)*

**Mail to: Idaho Department of Water Resources, PO Box 83720, Boise, ID 83720-0098**

Form No. 217 12/15

SCANNED
SEP 12 2022

# FILE RECREATED

# FROM SCANNED DOCUMENTS

State of Idaho
Department of Water Resources

# Permit To Appropriate Water

NO. 29-07917

**Proposed Priority:** April 6, 1990 Maximum Diversion Rate: 0.30 CFS
This is to certify, that **TIRRELL WATER USERS INC.**
1809 GOVERNMENT RD.
POCATELLO, ID 83202
has applied for a permit to appropriate water from: **GROUNDWATER**
and a permit is **APPROVED** for development of water as follows:

| BENEFICIAL USE | PERIOD OF USE | RATE OF DIVERSION |
|---|---|---|
| IRRIGATION | 04/01 to 11/01 | 0.17 CFS |
| STOCKWATER | 01/01 to 12/31 | 0.02 CFS |
| DOMESTIC | 01/01 to 12/31 | 0.11 CFS |
| | Totals | 0.30 CFS |

**LOCATION OF POINT(S) OF DIVERSION:** NENW Sec. 2, Township 06S, Range 33E
POWER County

**PLACE OF USE:** IRRIGATION

| TWN | RGE | SEC | | ACRES | ACRES | ACRES | TOTAL |
|---|---|---|---|---|---|---|---|
| 06S | 33E | 2 | NENW | 8.5 | | | 8.5 |
| | | | | | Total number of acres irrigated: | | 8.5 |

**PLACE OF USE:** STOCKWATER, same as IRRIGATION use
**PLACE OF USE:** DOMESTIC, same as IRRIGATION use

**CONDITIONS/REMARKS:**

1. Proof of construction of works and application of water to beneficial use shall be submitted on or before **August 1, 1992.**
2. Subject to all prior water rights.
3. The right to the use of water acquired under this permit shall not give rise to any right or claim against the holder of a senior right based upon the theories of forfeiture, abandonment, adverse possession, waiver, equitable estoppel, estoppel by laches or customary preference.
4. The Director retains jurisdiction of the permit and any license subsequently issued to incorporate the use into a water district, require streamflow augmentation or other action needed to protect prior surface water and groundwater rights.
5. Permit holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code.
6. Permit holder shall commence the excavation or construction of diverting works within one year of the date this permit is issued and shall proceed diligently until the project is complete.
7. The issuance of this permit in no way grants any right-of-way or easement across the land of another.

State of Idaho
Department of Water Resources

# Permit To Appropriate Water

NO. 29-07917

**CONDITIONS/REMARKS:**

8. The rate of diversion of water for irrigation under this permit and all other water rights on the same land shall not exceed 0.02 cubic feet per second for each acre of land.
9. Stockwater use is for 4 horses; domestic use is for 5 homes.

This permit is issued pursuant to the provisions of Section 42-204, Idaho Code. Witness the seal and signature of the Director, affixed at Boise, this

31st day of July, 1990.

for R. Glen Saxton
R. Keith Higginson, Director

Ident. No. 29-07917

**STATE OF IDAHO**
**DEPARTMENT OF WATER RESOURCES**

**APPLICATION FOR PERMIT**

**To appropriate the public waters of the State of Idaho**

1. Name: TIRRELL WATER USERS, INC. 208-238-1973
   Address: 1809 GOVERNMENT RD.
   POCATELLO, ID 83202

2. Source: GROUNDWATER Trib. to:

3. Location of Point of Diversion: NENW Sec. 2, Township 06S, Range 33E
   POWER County

4. Water will be used for the following purposes:

| Purpose | From | To | CFS | (or) | AF |
|---|---|---|---|---|---|
| DOMESTIC | 01/01 | 12/31 | 0.110 | | |
| IRRIGATION | 04/01 | 11/01 | 0.170 | | |
| STOCKWATER | 01/01 | 12/31 | 0.020 | | |

5. Total quantity to be appropriated is.
   0.300 CFS (and/or) AF

6. Proposed diverting works:
   a. Description of ditches, flumes, pumps, headgates, etc.
   WELL AND PUMP TO COMMUNITY DISTRIBUTION SYSTEM.
   b. Height of storage dam feet; active reservoir capacity
   acre-feet; total reservoir capacity acre-feet; period of
   year when water will be diverted to storage: to inclusive.
   c. Proposed well diameter is 12 inches; proposed depth of well is 150
   feet.
   d. Is groundwater with a temperature greater than 90F being sought? NO

7. Time required for the completion of the works and application of
   the water to the proposed beneficial use is 2 years.

8. Description of proposed uses:
   D/5 HOMES, S/4 HORSES, IRR. OF 3 ACRES.

9. Place of Use: IRRIGATION

| TWN | RGE | SEC | | ACRES | ACRES | ACRES | TOTAL |
|---|---|---|---|---|---|---|---|
| 06S | 33E | 2 | NENW | 8.5 | | | 8.5 |

Place of Use: STOCKWATER

| TWN | RGE | SEC | |
|---|---|---|---|
| 06S | 33E | 2 | NENW |

Place of Use: DOMESTIC

| TWN | RGE | SEC | |
|---|---|---|---|
| 06S | 33E | 2 | NENW |

Total number of acres irrigated: 8.5

10. Describe any other water rights used for the same purposes.
N/A

11. a. Who owns the property at the point of diversion?
TIRRELL WATER USERS, INC.
b. Who owns the land to be irrigated or place of use?
INDIVIDUAL HOMEOWNERS
c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing.
TIRRELL WATER USERS, INC. REPRESENTS HOMEOWNERS.

12. Remarks:
OFFICERS OF TIRRELL WATER USERS, INC.:
1) PRESIDENT: GERALD D. UEHLING
2) SEC./TRES.: LAURA J. UEHLING

13. Map of proposed point of diversion and place of use attached? [ ]

BE IT KNOWN that the undersigned hereby makes application for permit to appropriate the public waters of the State of Idaho as herein set forth.

X G D Uehling
Applicant

Received by Dew Date 5-01-90 Time 11:27A Preliminary check by _____

Fee $ ~~45.~~ * Receipted by HWJ * # E012924 * Date 4-6-90 *

Publication prepared by RB Date 6-21-90 Published in Power County Press

Publication approved RB Date 6-26-90

*See original app. below - kw 7/24/90

m 202
35

Ident. No. _____

# STATE OF IDAHO
## DEPARTMENT OF WATER RESOURCES
# APPLICATION FOR PERMIT

**To appropriate the public waters of the State of Idaho**

Name of applicant Turrell Water Users Inc Phone (208) 238-1973

Post office address 1809 Government Road Pocatello Idaho 83202

Source of water supply Groundwater which is a tributary of _____

Location of point of diversion is _____ ¼ of NE ¼ of NW ¼, Govt. Lot _____

Sec. 2 Township 6 South Range ~~33~~ East B.M. Power County; additional

points of diversion if any: _____

Water will be used for the following purposes:

Amount .11 (cfs or acre-~~feet per annum~~) for Domestic purposes from 1 Jan to 31 Dec. (both dates inclusive)

Amount .17 (cfs or acre-feet per annum) for Irrigation purposes from 1 April to 1 November (both dates inclusive)

Amount .02 (cfs or acre-feet per annum) for Stockwater purposes from 1 Jan to 31 Dec (both dates inclusive)

Amount _____ (cfs or acre-feet per annum) for _____ purposes from _____ to _____ (both dates inclusive)

Total quantity to be appropriated is (a) .30 cubic feet per second and/or (b) _____ acre feet per annum

Proposed diverting works:

a. Description of ditches, flumes, pumps, headgates, etc. well and pump to comunity distribution system

b. Height of storage dam _____ feet; active reservoir capacity _____ acre-feet; total reservoir capacity _____ acre-feet; period of year when water will be diverted to storage: _____ to _____ inclusive.

c. ~~Proposed~~ Existing well diameter is 12" inches; ~~proposed~~ Existing depth of well is 150' feet.

d. Is ground water with a temperature of greater than 90°F being sought? no

Time required for the completion of the works and application of the water to the proposed beneficial use is 2 years (*minimum 1 year*).

8. Description of proposed uses (*if irrigation only, go to item 9*):

a. Hydropower; show total feet of head and proposed capacity in KW. _____

b. Stockwatering; list number and kind of livestock. 4 horses

c. Municipal; show name of municipality. _____

d. Domestic; show number of households. 5 Households

e. Other; describe fully. _____

9. Description of place of use:

a. If water is for irrigation, indicate acreage in each subdivision in the tabulation below.

b. If water is used for other purposes, place a symbol of the use (*example: D for Domestic*) in the corresponding place of use below. See instructions for standard symbols.

| TWP | RANGE | SEC. | NE¼ | | | | NW¼ | | | | SW¼ | | | | SE¼ | | | | TOTALS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | NE¼ | NW¼ | SW¼ | SE¼ | NE¼ | NW¼ | SW¼ | SE¼ | NE¼ | NW¼ | SW¼ | SE¼ | NE¼ | NW¼ | SW¼ | SE¼ | |
| 6S | 33E | 2 | | | | | D/S | | | | | | | | | | | | |
| | | | | | | | 8.5 | | | | | | | | | | | | 8.5 |
| | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |

Total number of acres to be irrigated 8.5

10. Describe any other water rights used for the same purposes as described above. None

11. a. Who owns the property at the point of diversion? The associations

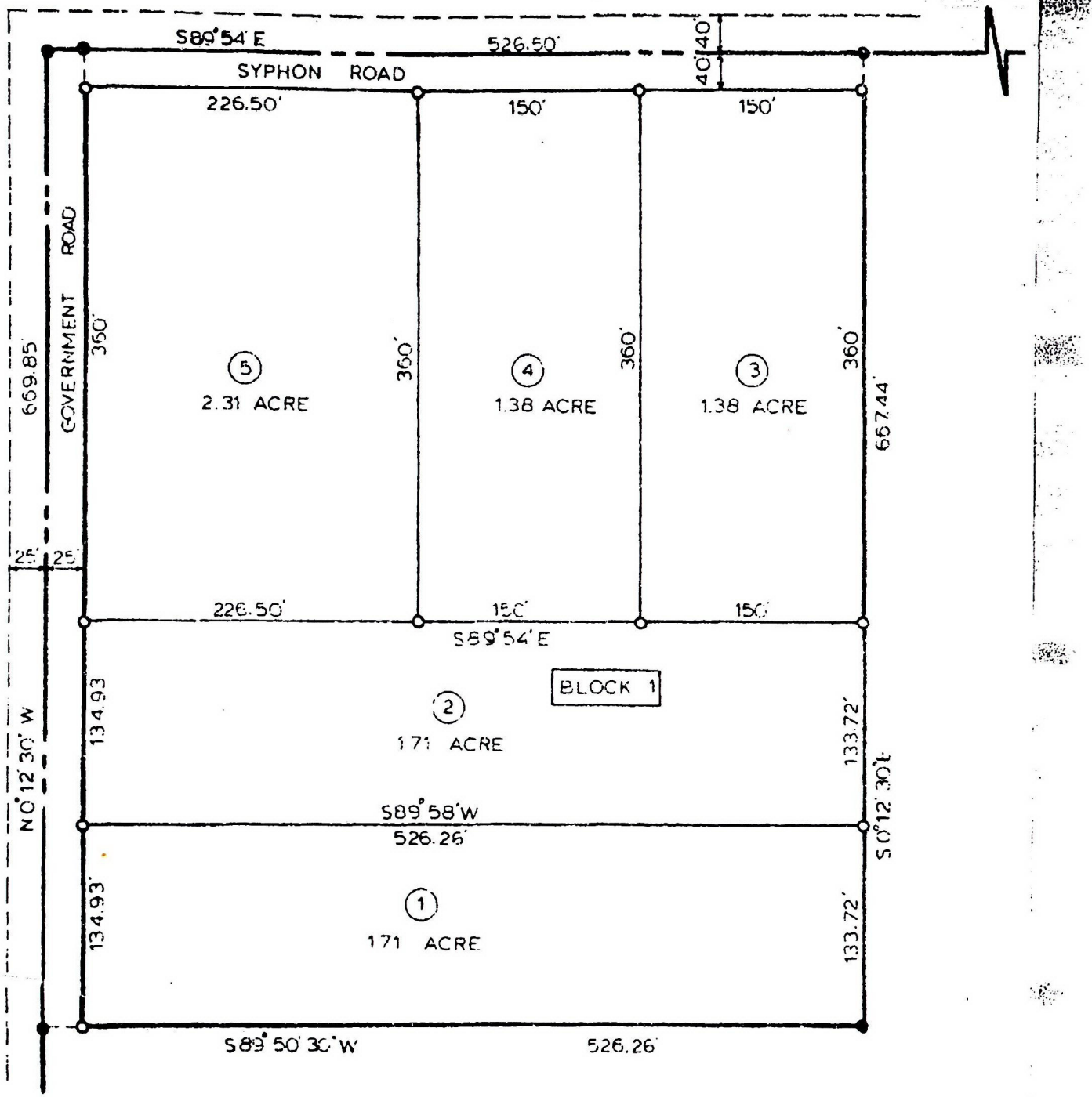
b. Who owns the land to be irrigated or place of use? members of the association

c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing. _____

12. Remarks: Officers: Pres: A P Uehling

Vice Pres: _____

Sec/Treasure: Laura J. Uehling


S89°54'E
526.50'
40'
SYPHON ROAD
226.50'
150'
150'
GOVERNMENT ROAD
669.85'
360'
360'
360'
360'
667.44'
5
2.31 ACRE
4
1.38 ACRE
3
1.38 ACRE
25'
25'
226.50'
150'
150'
S89°54'E
BLOCK 1
2
1.71 ACRE
134.93'
133.72'
N0°12'30"W
S0°12'30"E
S89°58'W
526.26'
1
1.71 ACRE
134.93'
133.72'
S89°50'30"W
526.26'

DAY OF 1977

## PROPERTY DESCRIPTION

A PARCEL OF LAND SITUATED IN THE NE 1/4 OF NW 1/4 OF SECTION 2, T6S, R33E., B.M., POWER COUNTY, IDAHO, MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCING AT THE NORTH 1/4 CORNER OF SAID SECTION 2, THENCE N 89°54'00"W ALONG THE NORTH LINE OF SAID SECTION, 660.50' TO THE TRUE POINT OF BEGINNING. THENCE S00°12'30"E 667.44'; THENCE S 89°50'30"W, 526.26' TO THE EAST RIGHT OF WAY OF GOVERMENT ROAD; THENCE N 0°12'30"W ALONG SAID EAST RIGHT OF WAY, 669.85' TO THE NORTH LINE OF SAID SECTION; THENCE S 89°54'00"E ALONG SAID NORTH LINE 526.50' TO THE TRUE POINT OF BEGINNING.

## OWNER'S DEDICATION

IT IS THE INTENTION OF SAID OWNER TO INCLUDE ALL OF THE ABOVE DESCRIBED PREMISES IN PLAT, THAT SAID PREMISES ARE TO BE DIVIDED INTO LOTS AND BLOCKS AS SHOWN ON SAID PLAT, THAT THE LOCATION AND DIMENSIONS OF SAID LOTS AND BLOCKS ARE AS SHOWN ON SAID PLAT AND THAT DONATION OF THE STREETS SHOWN ON SAID PLAT IS HEREBY MADE TO THE PUBLIC. THE EASEMENTS INDICATED ON SAID PLAT ARE NOT DEDICATED TO THE PUBLIC, BUT THE RIGHT TO USE SAID EASEMENTS IS HEREBY PERPETUALLY RESERVED FOR PUBLIC UTILITIES AND FOR ANY OTHER USES AS DESIGNATED HEREON AND NO STRUCTURES OTHER THAN THOSE FOR SUCH UTILITY PURPOSES ARE TO BE ERECTED WITHIN THE LINES OF SAID EASEMENTS.

I _____ DO HEREBY CERTIFY THAT I AM THE OWNER OF THE DESCRIBED PREMISES AND THAT IT IS THE CORRECT DESCRIPTION OF THE LAND INCLUDED IN THE PLAT OF TIRRELL SUBDIVISION, A SUBDIVISION IN POWER COUNTY, IDAHO.

SUBSCRIBED AND SWORN TO THIS _____ DAY OF _____ 1977

_____

LEON TIRRELL - OWNER

## ACKNOWLEDGEMENT

STATE OF IDAHO
COUNTY OF POWER
ON THE _____ DAY OF _____, A D 1977, PERSONALLY APPEARED BEFORE ME, THE UNDERSIGNED NOTARY PUBLIC IN AND FOR SAID COUNTY IN SAID STATE, THE SIGNER OF THE ATTACHED OWNER'S DEDICATION, _____ IN NUMBER WHO DULY ACKNOWLEDGED TO ME HE SIGNED IT FREELY AND VOLUNTARILY AND FOR THE PURPOSES THEREIN MENTIONED.

_____

NOTARY PUBLIC

OF TIRRELL SUBDIVISION AND
RMS TO THE DRAWING OF

_____

EER

## NON - PROFIT CORPORATION LICENSE

# STATE OF IDAHO
OFFICE OF SECRETARY OF STATE

LICENSE NO. 060883

DATED THIS ELEVENTH DAY OF APRIL 1979

The below-named non-profit corporation has filed in the office of the Secretary of State its non-profit corporation annual statement for the fiscal year ending June 30, 1979 in accordance with the provisions of Section 30-601, Idaho Code. The corporation is hereby granted authority to exercise its corporate rights within the State of Idaho, subject to existing laws, during the fiscal year, or fractional part thereof, for which the annual statement was filed.

TIRRELL WATER USERS, INC.
LEON TIRRELL
BOX 2051
POCATELLO, ID 83201

A CORPORATION

Pete T. Cenarrusa
SECRETARY OF STATE

KNOW ALL MEN BY THESE PRESENTS:

That we, the undersigned, and whose names are hereinafter set forth, have this day associated ourselves together to form, and do hereby form a non-profit cooperative corporation under the provisions of Chapter 10, Title 30, Idaho Code; and we do adopt and certify as Articles of Incorporation for such corporation the following:

## ARTICLE I.

NAME. The name of this corporation shall be:

TIRRELL WATER USERS, INC.

## ARTICLE II.

PURPOSES. The purpose of this corporation shall be to supply to its members only water from a well or wells under

BY-LAWS - SCHEDULE OF LANDS SERVED

EASEMENT DESCRIPTION
FOR PIPELINE & WELL ACCESS

The North 20 feet of Lot #2 of Tirrell Subdivision as recorded on the official plat in the Power County Recorders Office in Book #4, page #10, Instrument #110164, Power County.

LEGAL DESCRIPTION
WELL DESCRIPTION

A parcel of land situated in Lot 5, of Tirrell Subdivision, a plat of which is on file in the Power County Recorders Office in Book No. 4, Page No. 10, as Instrument No. 110164, Power County, Idaho, more particularly described as follows:

Commencing at the Southeast corner of said Lot No. 5, thence North 89°54' West along the South line of said Lot No. 5, 30.00 feet to the true point of beginning; thence North 0°06' East, 20.00 feet; thence South 89°54' East, 20.00 feet; thence North 89°54' West, 20.00 feet to the true point of beginning.

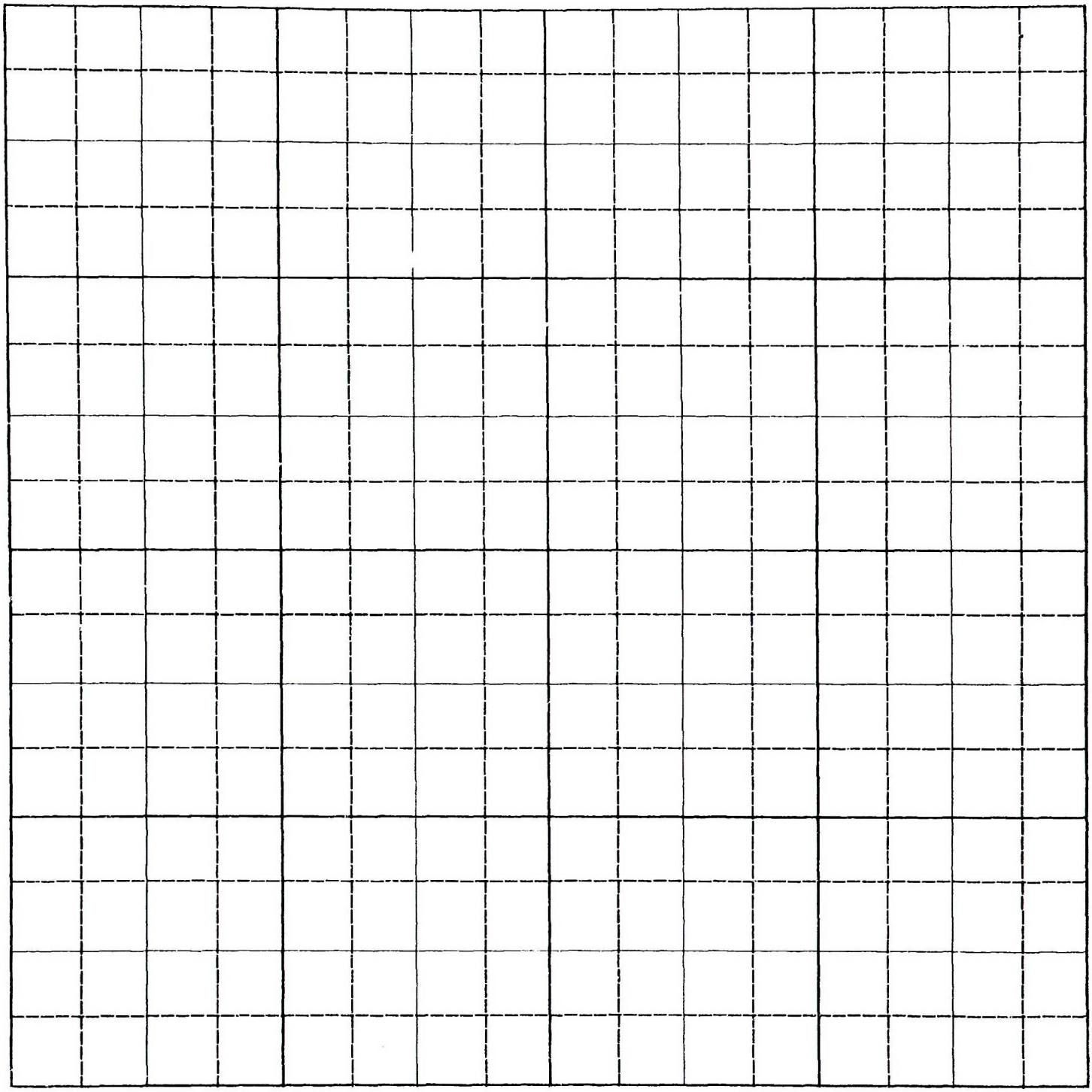
CONTROL VALVE INSTALLATION

If no shut-off valve is available to the tracts hereinbefore described, the suspension of service is authorized for default of any owner, the corporation shall install a shut-off valve on the defaulting owner's tract or line at a convenient place at the expense of the defaulting owner. Upon full payment of all delinquencies, including the cost of installation of valve and shutting off service, service shall be resumed.

No error of description herein set forth shall invalidate inclusion of such lands in the area served, and the descriptions may be corrected by the Board of Directors upon showing of such error, if any exists. Designation of the husband as owner of the lands shall in no wise minimize the rights of wives of the owners of the parcels of land.

(Applicant)

13. Map of proposed project: show clearly the proposed point of diversion, place of use, section number, township and range number.



Scale: 2 inches equal 1 mile.

BE IT KNOWN that the undersigned hereby makes application for permit to appropriate the public waters of the State of Idaho as herein set forth.

(Applicant) President

Received by RW Date 4-6-90 Time 12:35 Preliminary check by _____

Fee $ 45.00 Receipted by HWJ # E 012924 Date 4-6-90

Publication prepared by _____ Date _____ Published in _____

Publication approved _____ Date _____

## ACTION OF THE DIRECTOR, DEPARTMENT OF WATER RESOURCES

This is to certify that I have examined Application for Permit to appropriate the public waters of the State of Idaho No. _____, and said application is hereby _____.

1. Approval of said application is subject to the following limitations and conditions:

   a. SUBJECT TO ALL PRIOR WATER RIGHTS.

   b. Proof of construction of works and application of water to beneficial use shall be submitted on or before _____, 19____.

   c. The rate of diversion, if water is to be used for irrigation under this permit, when combined with all other water rights for the same land shall not exceed 0.02 cubic feet per second for each acre of land.

   d. The water right acquired under this permit if for hydropower purposes shall be junior and subordinate to all rights to the use of water, other than hydropower, within the State of Idaho that are initiated later in time than the priority of this permit and shall not give rise to any right or claim against any future rights to the use of water, other than hydropower, within the State of Idaho initiated later in time than the priority of this permit.

   e. Other:

IDAHO DEPARTMENT OF
WATER RESOURCES

322 E Front Street, Suite 648, Boise ID 83702 • PO Box 83720, Boise ID 83720-0098
Phone: 208-287-4800 • Fax: 208-287-6700 • Email: idwrinfo@idwr.idaho.gov • Website: idwr.idaho.gov

Governor Brad Little
Director Gary Spackman

December 30, 2022

TIRRELL WATER USERS INC
1809 GOVERNMENT RD
POCATELLO ID 83204

RE: License No. 29-7917

## ISSUANCE OF LICENSE

Dear Water Right Holder:

The Department of Water Resources ("Department") has issued the enclosed Water Right License confirming that a water right has been established in accordance with your permit. Please be sure to thoroughly review all the conditions of approval listed on your license. The conditions may include ongoing requirements, such as maintenance of a measuring device or implementation of mitigation, as well as information about how your water use may be administered, such as regulation by a watermaster in a water district.

The license is a PRELIMINARY ORDER issued by the Department pursuant to Rule 730 of the Department's Rules of Procedure (IDAPA 37.01.01.730). It can and will become a final order without further action by the Department unless a party petitions for reconsideration, files exceptions, or requests a hearing as described in the enclosed information sheet.

Also, please note that water right owners are required to report any change of water right ownership and/or mailing address to the Department within 120 days of the change. Water right forms are available from any office of the Department or on the Department's website at idwr.idaho.gov

If you have any questions concerning the enclosed information, please contact me at (208) 287-4951.

Sincerely,

Angela M. Hansen

Angela Hansen
Water Rights Section Manager

Enclosures

SCANNED
JAN 03 2023

## CERTIFICATE OF SERVICE

I hereby certify that on December 30, 2022, I served a true and correct copy of Water Right License No. 29-7917 by U.S. Mail, postage prepaid, to the following:

TIRRELL WATER USERS INC (Current Owner)
1809 GOVERNMENT RD
POCATELLO ID 83204

ROCKY MOUNTAIN ENVIRONMENTAL ASSOC (Interested Party) – *via email*
482 CONSTITUTION WAY STE 303
IDAHO FALLS ID 83402-3552
*Patrick.rmea@gmail.com*
*Kristin.rmea@gmail.com*

WATER DISTRICT #120
BLAKE JORDAN (Watermaster) – *via email*
900 N SKYLINE DR STE A
IDAHO FALLS ID 83402
*Blake.jordan@idwr.idaho.gov*

Debbi Judd
Technical Records Specialist

SCANNED
JAN 03 2023

## Nelson, Dan

**From:** Nelson, Dan
**Sent:** Wednesday, September 21, 2022 8:38 AM
**To:** Patrick Naylor
**Cc:** Kristin M. Moore
**Subject:** Amendment For Permit 29-7917
**Attachments:** Amendment 29-7917.pdf

Hello Patrick,

I have sent out the amendment to Tirrell Water Users this morning. I am emailing you a copy for your records. It you wish, you can forward this to your client and have them sign it and return it with the $100.00 fee.

The amendment is to add the Government Lot designation to the legal description.

Have a great day.

Daniel Nelson
Water Right Analyst 3
Idaho Department of Water Resources
Telephone (208) 287-4856
Fax (208) 287-6700 (attn: Dan Nelson)



SCANNED
JAN 13 2023

IDAHO DEPARTMENT OF
WATER RESOURCES

322 E Front Street, Suite 648, Boise ID 83702 • PO Box 83720, Boise ID 83720-0098
Phone: 208-287-4800 • Fax: 208-287-6700 • Email: idwrinfo@idwr.idaho.gov • Website: idwr.idaho.gov

Governor Brad Little

Director Gary Spackman

September 19, 2022

TIRRELL WATER USERS INC
1809 GOVERNMENT RD
POCATELLO ID 83204

RE: Water Right Permit No. 29-7917

Dear Permit Holder:

The Idaho Department of Water Resources (Department) is reviewing permit 29-7917 prior to issuing a water right license. By issuing a license, the Department confirms the extent of development that has been established in compliance with the terms of the permit.

On May 27, 2022, the Department received a field report prepared by Patrick Naylor of Rocky Mountain Environmental Associates, Inc. and additional information to reinstate permit 29-7917. On September 6, 2022, the permit was reinstated. On September 21, 2022, the Department received a revised field report reducing the acres recommended from 5.4 acres to 5.0 acres to allow this water right to fall below the mandatory flow meter requirement.

The permit for this water right authorized the various water uses and the point of diversion the NE¼NW¼ of Section 2 in Township 6 South, Range 33 East, B.M. Both of Mr. Naylor's field reports show the point of diversion in Government Lot 3 (NE¼NW¼) of Section 2 in Township 6 South, Range 33 East, B.M. To correct the legal description, an amendment is required to fix the legal description that will allow us to license this permit.

The enclosed Application for Amendment form depict the elements of each water right as they will appear on the licenses when issued. Please review each amendment form carefully. If you concur with the information presented, please sign and return the form with the $100.00 filing fee within 14 days.

If you have any questions, please don't hesitate to contact me.

Sincerely,

Daniel A. Nelson
Analyst 3
Water Right Section
Idaho Department of Water Resources
Telephone # (208) 287-4856
Email – dan.nelson@idwr.idaho.gov

Enclosure(s): Application for Amendment with maps

cc Patrick Naylor – Rocky Mountain Environmental Associates Inc. – By Email

SCANNED
JAN 03 2023

# MEMORANDUM

TO: Water Right File 29-7917

FROM: Daniel A. Nelson

DATE: September 19, 2022

SUBJECT: Revised Field Report

On May 27, 2022, the Idaho Department of Water Resources ("Department") received a field report and other documentation required to reinstate permit 29-7917. This permit was reinstated on September 6, 2022.

On September 15, 2022, the field examiner supplied a revised field report. The field report was revised to reduce the number of acres to 5.0 acres instead of the 5.4 acres recommended in the earlier report. The reason given for this reduction was that the cost of installing a flow meter on this system would be cost prohibitive. Flow meters are required in the area of the permit for more than 5 acres of irrigation. By reducing the acres irrigated to 5 acres, they will not be required to install a flow meter on the system.

Historically, the acres irrigated has ranged from 3.7 acres to 5.4 acres. In 2021, the acres irrigated were 4.3 acres. Reviewing the aerial imagery, it appears as though several of the areas that have been irrigated in the past are no longer irrigated, so the reduction of acres shouldn't be an issue.

I was able to come reasonably close to the acres irrigated that was found by the field examiner. I don't foresee any issues with the reduction. An amendment is required to include the Government Lot designation, so this will give the permit holders and the field examiner the ability to review my shape file and any changes made to the permit for licensing purposes.

The field examiner reduced the diversion rate on the irrigation from 0.11 cfs to 0.10 cfs. He also changed the total diversion rate from 0.17 to 0.13 cfs. His calculation sheet still shows a pump capacity of 0.17 cfs, so I believe that is what he wanted. I have checked with the field examiner on this issue.

On September 21, 2022, the field exam sent a replacement field report for the revised field report showing a total diversion rate of 0.17 cfs or the pump capacity. The September 15, 2022, exam was removed from the file and replaced with this field report. As with the September 15th field report, the irrigation will be reduced to 5 acres and 0.10 cfs for the irrigation use. The total diversion rate will be limited to the pump capacity of 0.17 cfs.

SCANNED
JAN 13 2023

## Nelson, Dan

**From:** Patrick Naylor <patrick.rmea@gmail.com>
**Sent:** Wednesday, September 21, 2022 7:39 AM
**To:** Nelson, Dan
**Cc:** Kristin M. Moore
**Subject:** Re: Permit 29-7917 Tirrell Water Users
**Attachments:** ~WRD0001.jpg

**CAUTION: This email originated outside the State of Idaho network. Verify links and attachments BEFORE you click or open, even if you recognize and/or trust the sender. Contact your agency service desk with any concerns.**

---

Dan, thanks for the clarification. We assumed it would be cleaner to re-issue the report, but if that is not IDWR's preference then going forward we will just provide the requested information.

Pat

On Wed, Sep 21, 2022, 07:24 Nelson, Dan <Dan.Nelson@idwr.idaho.gov> wrote:

Hello Patrick,

I will replace the previous revised field report with the one you sent with this email, even though a complete revised field report wasn't really needed. All I needed was you to confirm that the pump capacity is 0.17 cfs and that we should use the 0.17 cfs for the total diversion rate. Just to let you know, when I send a request for additional information or clarification of portion of the field report, all I need from you is an email addressing just that portion of the field report. This helps reduce the amount of paper in the file, and it saves both your time and mine by only working on that single issue instead of having to go through the entire field report and making changes in several places. I apologize for not letting you know this in my email.

For future reference, we can allow the lesser of the combined diversion rate of all the water uses combined or the capacity of the pump and/or diversion system if they don't exceed the diversion rate authorized by the permit. In this water right, we could have allowed up to 0.23 cfs based on the water uses (0.11 cfs Domestic + 0.02 cfs stockwater + 0.10 cfs irrigation = 0.23 cfs total), 0.30 cfs based on the permit, or 0.17 cfs based on the pump capacity. Since the pump capacity is the lowest, we can license 0.17 cfs, unless the field report or owners request a lower diversion rate.

If you have any further questions, please don't hesitate to contact me. Respectfully,

Daniel Nelson

SCANNED
JAN 13 2023

Water Right Analyst 3

Idaho Department of Water Resources

Telephone (208) 287-4856

Fax (208) 287-6700 (attn: Dan Nelson)

**From:** Patrick Naylor <patrick.rmea@gmail.com>
**Sent:** Monday, September 19, 2022 5:08 PM
**To:** Nelson, Dan <Dan.Nelson@idwr.idaho.gov>
**Cc:** Kristin M. Moore <kristin.rmea@gmail.com>
**Subject:** Re: Permit 29-7917 Tirrell Water Users

**CAUTION: This email originated outside the State of Idaho network. Verify links and attachments BEFORE you click or open, even if you recognize and/or trust the sender. Contact your agency service desk with any concerns.**

---

Hi Dan,

Thanks for your review on this complicated report. We thought the TWUI diversion rate would be limited to the total of 1) the higher of maximum domestic or irrigation diversion rate and 2) stockwater, which came to 0.13 cfs. If TWUI is not limited in this way, then we agree that the diversion rate is limited by the existing pump and well system. I have revised the BUFR and Completion Report accordingly, see attached. If this revised BUFR document is too large for you to download, I will provide in another way.

Regards

Pat

Patrick N. Naylor; PE, PG., CWRE

SCANNED
JAN 03 2023

[redacted] Vice-President, Principal Hydrogeologist

482 Constitution Way, Suite 303, Idaho Falls, ID 83402

E-Mail: patrick.rmea@gmail.com

VOICE: 208-524-2353 ||| Cell: 208-323-4444

**CONFIDENTIALITY NOTICE:** This message is intended only for the use of the individual or entity to which it is addressed and may contain information that is privileged, confidential and exempt from disclosure under applicable law. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination or distribution of this communication to other than the intended recipient is strictly prohibited. If you have received this communication in error, please notify us immediately by reply email to the sender or collect telephone call to (208) 524-2353. *Thank you.*

On Mon, Sep 19, 2022 at 8:32 AM Nelson, Dan <Dan.Nelson@idwr.idaho.gov> wrote:

Hello Patrick,

I reviewed the revised field report, and I agree with the just about everything. There was one point that I wanted to check with you on. You stated in both field exams that the pump capacity was 0.17 cfs. In your original field report, you listed a total diversion rate of 0.17 cfs when all the uses were combined. In the revised field report, you reduced the total diversion rate to 0.13 cfs. You didn't supply any reasoning for this reduction. Your calculation sheet still shows a pump capacity of 0.17 cfs.

Please let me know if you want the overall diversion rate to be 0.17 cfs or 0.13 cfs. Both of these diversion rates are below the flow meter installation requirements, so I would think you would want to maintain the full pump capacity of 0.17 cfs.

Please let me know as soon as you can, so I can send out the amendment that is required to show the Government lot in the legal description.

Respectfully,

Daniel Nelson



SCANNED JAN 03 2023

Water Right Analyst 3

Idaho Department of Water Resources

Telephone (208) 287-4856

Fax (208) 287-6700 (attn: Dan Nelson)

SCANNED
JAN - 3 2023

Form 219 07/11

RECEIVED
SEP 2 1 2022
DEPARTMENT OF WATER RESOURCES

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

# BENEFICIAL USE FIELD REPORT

A Beneficial Use Field Report is prepared by a water right examiner as the result of an examination to clearly confirm and establish the extent of the beneficial use of water established in connection with a permit during the development period authorized by the permit and any extensions of time previously approved.

## A. GENERAL INFORMATION

Permit No. 29-07917

1. Owner TIRRELL WATER USERS INC Phone No. 208-547-7396
   Current address 1809 GOVERNMENT RD, POCATELLO, ID 83204
2. Examiner's name Patrick Naylor EXAM DATE April 5, 2022
3. Accompanied by Merlin Kulicke Email mjkulicke@hotmail.com
   Address 1809 Government Rd, Pocatello, Idaho, 83204
   Relationship to permit holder President of Association Phone No. 208-547-7396
4. Source Groundwater tributary to

## B. OVERLAP REVIEW

1. Other water rights with the same place of use None
2. Other water rights with the same source and point of diversion None

## C. DIVERSION AND DELIVERY SYSTEM

1. **Point(s) of Diversion:**

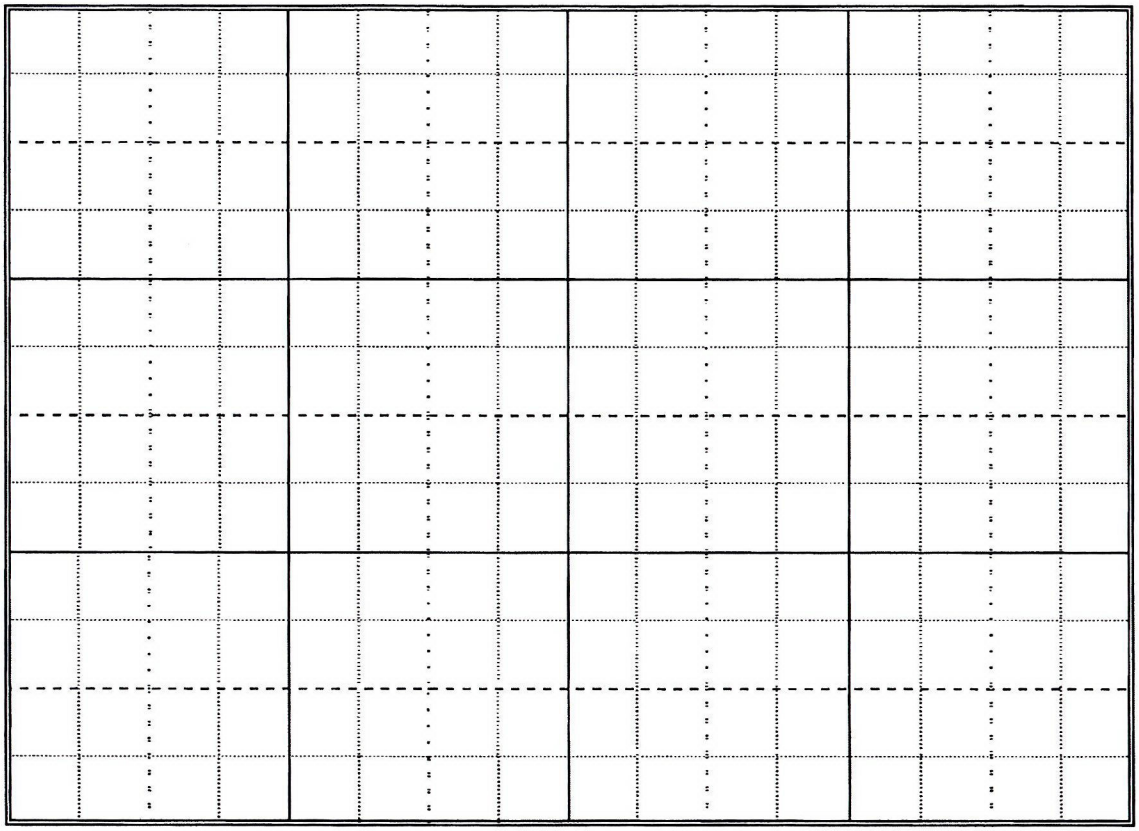
| Ident. No. | Gov't Lot | ¼ | ¼ | ¼ | Sec | Twp | Rge | County | Method of Determination/Remarks |
|---|---|---|---|---|---|---|---|---|---|
| | | | NE | NW | 2 | 6S | 33E | Power | IDWR Supplied Shapefiles |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

2. **Place(s) of Use:** Method of determination Field verified current practices; historical aerial photo review

| Twp | Rge | Sec | NE | | | | NW | | | | SW | | | | SE | | | | Totals |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | |
| 6S | 33E | 2 | | | | | 5.0 | | | | | | | | | | | | 5.0 |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | 5.0 |

All
SCANNED
JAN 0 3 2023

3. **Delivery System Diagram**: Indicate all major components and distances between components. Indicate weir size/ditch size/pipe diameter (inside), as applicable. Use the space provided or ☒ see attached.



*Scale: 1" =* _____

☒ Copy of USGS Quadrangle attached showing location(s) of point(s) of diversion and place(s) of use (**required**)
☒ Aerial photo attached (required for irrigation of 10+ acres)
☒ Photo of diversion and system attached

4.

| Well or Diversion Identification No.* | Motor Make | Hp | Motor Serial No. | Pump Make | Pump Serial No. or Discharge Size |
|---|---|---|---|---|---|
| Well ID 392645 | Grundfos | 5.0 | | Grundfos | 2-inch discharge |
| | MS4000 Series | | | 60S50-9 | |
| See Attachment C for | Pump Curve | | | | |

**Code to correspond with no. on map and aerial photo*

**D. FLOW MEASUREMENTS**

1.

| Measurement Equipment | Type | Make | Model No. | Serial No. | Size | Calib. Date |
|---|---|---|---|---|---|---|
| Estimated based on pump curve | | | | | | |
| and sprinkler nozzle diameters | Attach. D | | | | | |

2. **Measurements:** Flow was estimated 1) based on estimated well drawdown, initial static groundwater level from well log, irrigation system pressure observed during operation, and well pump model curve; and 2) based on sprinkler head nozzle diameter capacities for the largest irrigation lines in the system.

**E. NARRATIVE/REMARKS/COMMENTS**

The Tirrell Water Users Inc. (TWUI) water system consists of one 8-inch diameter well, 150 ft deep and open to the aquifer at the bottom of the well; a cinder block building with five, WellXTrol model Wx-255, 81-gal capacity hydropneumatic tanks. From the well, water is pumped directly to the tank building, and from there to the distribution lines shown in the attached Figure 3. Water lines also go directly to each house for domestic use (not shown). Irrigation lines include three 4-inch wheel lines (Brower property), three 3-inch hand lines (two on Farrell property, one on Kulicke property), two 2-inch fence-mounted lines (one on Brower property, one on fence between Farrell and Potter properties), one 1-inch line laying directly on the ground (Brower property), One 1-inch fixed riser (Kulicke house lawn), three 1-inch spigots (Kulicke house), a buried lawn sprinkler system (Brower house lawn), and six house faucets (two on Potter house, two on Farrell house, two on Turinbeauch house). Stock grazing (horses, cattle, goats) occurs on much of the property. Two buried valve boxes control and isolate flow to the buried irrigation mains.

Proof of Beneficial Use for TWUI is unusual because a mix-up resulted in no water right being issued in the original proof year of 1992. No Statement of Completion was submitted at that time, but the TWUI manager at the time left without following through. The other TWUI members were unaware of the requirement for demonstrating beneficial use, therefore no proof was prepared and no water right was issued by IDWR. Meanwhile, the TWUI members continued to use the water under the mistaken belief that their water right had been secured.

The existing water system has no mechanism for direct measurement of flowrate, so the capacity of the well pump was estimated. The total pump system head was estimated by observing the pressure in the system (see Photos) when the highest-capacity irrigation line was in use (42 psi = 97 ft head) + estimated well drawdown (difference between pre-pumping pressure of 55 psi = 127 ft head and pumping pressure = 127 ft - 97 ft = 30 ft) + estimated depth to static water level (28 feet on well driller report from March 1977). Pressure system was estimated to be 97 ft + 30 ft + 28 ft = 155 ft. (Friction losses were disregarded.) From the attached pump curve for the well pump, the estimated pump capacity is 75 gpm = 0.17 cfs. Note, no information was available on the original pump.

Field observation of irrigation pumping occurred on April 5, 2022. Each of the irrigation water systems was observed to pump, with the exception of some of the house faucets used to irrigate domestic lawns by hose. Impact sprinkler head nozzle sizes were checked, and the number of impact sprinkler heads were counted for each line.

Has the permit holder met all conditions of permit approval, including any mitigation requirements and/or measuring device installation requirements? ☐ Yes ☒ No If no, what must be done to meet the permit requirements?

Proof was not submitted by August 1, 1992 as required in the original permit. The reasons for this are explained in the paragraph above. This BUFR was prepared to bring the water users into compliance.

Form 219 07/11

**F. FLOW CALCULATIONS** ☒ Additional computation sheets attached

Measured Method:

See Attachment E, Calculations Sheet. Note that it was not possible to estimate pumping from power demand in 1992 because neither TWUI nor Idaho Power had retained records going back that far. Current power records were available, but served no purpose without the historical pumping records with which to compare to verify the diversion quantities were the same.

**G. VOLUME CALCULATIONS**

1. Volume Calculations for Irrigation:

   $V_{I.R}$ = (Acres Irrigated) x (Irrigation Requirement) = 5.0 ac x 4.0 ac-ft/ac/yr = 20.0 ac-ft/yr

   $V_{D.R}$ = [Diversion Rate (cfs)] x (Days in Irrigation Season) x 1.9835 = 0.1 cfs x 214 days x 1.9835 = 42.4 ac-ft/yr

   V = Smaller of $V_{I.R.}$ and $V_{D.R.}$ = 20.0 ac-ft/yr

2. Volume Calculations for Other Uses:

Domestic: 5 homes x 0.6 afa/home = 3 afa

**H. RECOMMENDATIONS**

**1. Recommended Amounts**

| Beneficial Use | Period of Use From | Period of Use To | Rate of Diversion Q (cfs) | Annual Volume V (afa) |
|---|---|---|---|---|
| Irrigation | Apr 1 | Oct 31 | 0.1 | 20.0 |
| Domestic | Jan 1 | Dec 31 | 0.11 | 3.0 |
| Stockwater | Jan 1 | Dec 31 | 0.02 | 0.2 |
| | | | | |
| | | | | |
| | | **Totals:** | 0.17 (well pump capac.) | 23.2 |

**2. Recommended Amendments**

O Change P.D. as reflected on page 1 ☐ Add P.D. as reflected on page 1 ☐ None

☒ Change P.U. as reflected on page 1 ☐ Add P.U. as reflected on page 1 ☐ Other

**I. AUTHENTICATION**

Field Examiner's Signature Patrick N. Naylor Date August 31, 2022

Reviewer _____ Date _____

REGISTERED PROFESSIONAL ENGINEER 7406 STATE OF IDAHO PATRICK N. NAYLOR

Patrick N. Naylor 8/31/22

**Statement Supporting Reinstatement of Lapsed Permit**
*Permit No. 29-7917*
*Tirrell Water Users, Inc.*

Since the original application was submitted to IDWR to develop permit 29-7917, the address used for all correspondence was 1809 Government Rd, which was the residence of Mr. Gerald Uehling at the time of the development period. Mr. Uehling submitted the application for permit and thereafter received all correspondence in regards to the water right and managed the water system. According to current residents of the subdivision, Mr. Uehling was experiencing major life changes at about the same time period that the Statement of Completion was due in August 1992. Since no other residents received a copy of the correspondence, and Mr. Uehling was essentially "not available," the notice sent by IDWR to submit the Statement of Completion was overlooked or otherwise unknown to the water users. Mr. Uehling then sold his house to Bryan and Maylynn Flake in 1993 and left without informing anyone of the situation with the Permit. In 1997, Merlin Kulicke purchased the house at 1809 Government Rd. and later received the letter from IDWR regarding Unauthorized Water Use E2021- 2768 on December 8, 2021. Until the date of this letter, the residents, having no understanding of water right processes, believed the water right to be secured.

Although the Statement of Completion was not submitted in a timely manner, the water right had been developed and has been consistently used since the development period. The 5 domestic connections were connected and actively using water by the end of 1992. The irrigated acres have varied over the years due to differing owners and needs on the properties. No photography was found for 1990 or 1991 with which to verify irrigation. The 1992 Orthoquad is not as clear as the 1993 Google Earth image, which shows about 5.4 acres being irrigated. Acres were measured in several more years using NAIPS and a table of the mapped acres are included in Table 1 below to show the continued use of the water right. Although the maximum acreage measured occurred in 1993, there are enough years of photography absent to leave doubt as to any permanent reduction in irrigated acres. It appears that the acres irrigated have shifted across the lots depending on the needs of the property owners. See Figures 1-5 in the Beneficial Use Field Report for a map of each year from Table 1 with measured acres. As noted above, there are no direct flow measurement devices on this water system. Flow measurement is not required for irrigation of 5.0 acres or less, and installation of flow measurement devices on the multiple users in this system would be cost-prohibitive. Therefore TWUI agrees to limit irrigated area to 5.0 acres. Recommended areas of irrigation are shown in Figure 9 of this report.

**Table 1. Irrigated Acres**

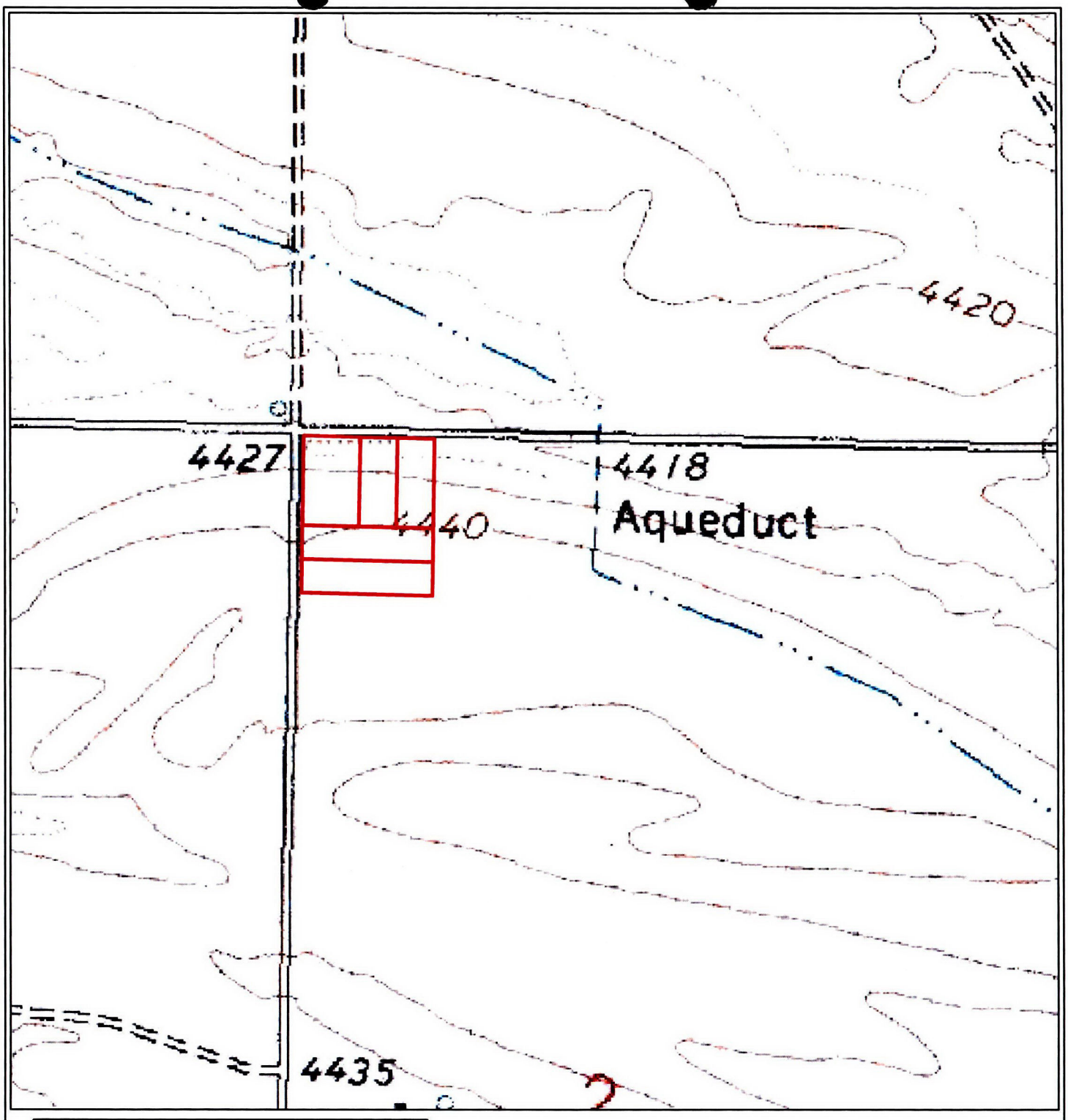
| Year | Acres |
|---|---|
| 1993 | 5.4 |
| 2004 | 3.7 |
| 2011 | 5.2 |
| 2019 | 5.2 |
| 2021 | 4.3 |

Water has been used annually to support small numbers of stock, including, horses, cows, and goats.

Kristin Moore
Senior Water Rights Analyst

Merlin Kulicke
President, Tirrell Water Users Assn., Inc.

# ATTACHMENT A – AERIALS, TOPOGRAPHIC MAP, SYSTEM LAYOUT




Parcels

USGS Topographic Map 1971, photoinspected 1974, 7.5-minute series, Michaud, Idaho

N
W
E
S

# Figure 1: Topographic Map

Tirrell Water Users, Inc.

| | |
|---|---|
| Project #: 21-0271 | |
| Drawn by: AD | |
| Date: 5/3/2022 | |

Rocky Mountain ENVIRONMENTAL ASSOCIATES, INC.




0 0.02 0.04 0.07 Miles

2021 NAIP

Parcels
Twn & Rng
Section
QQ

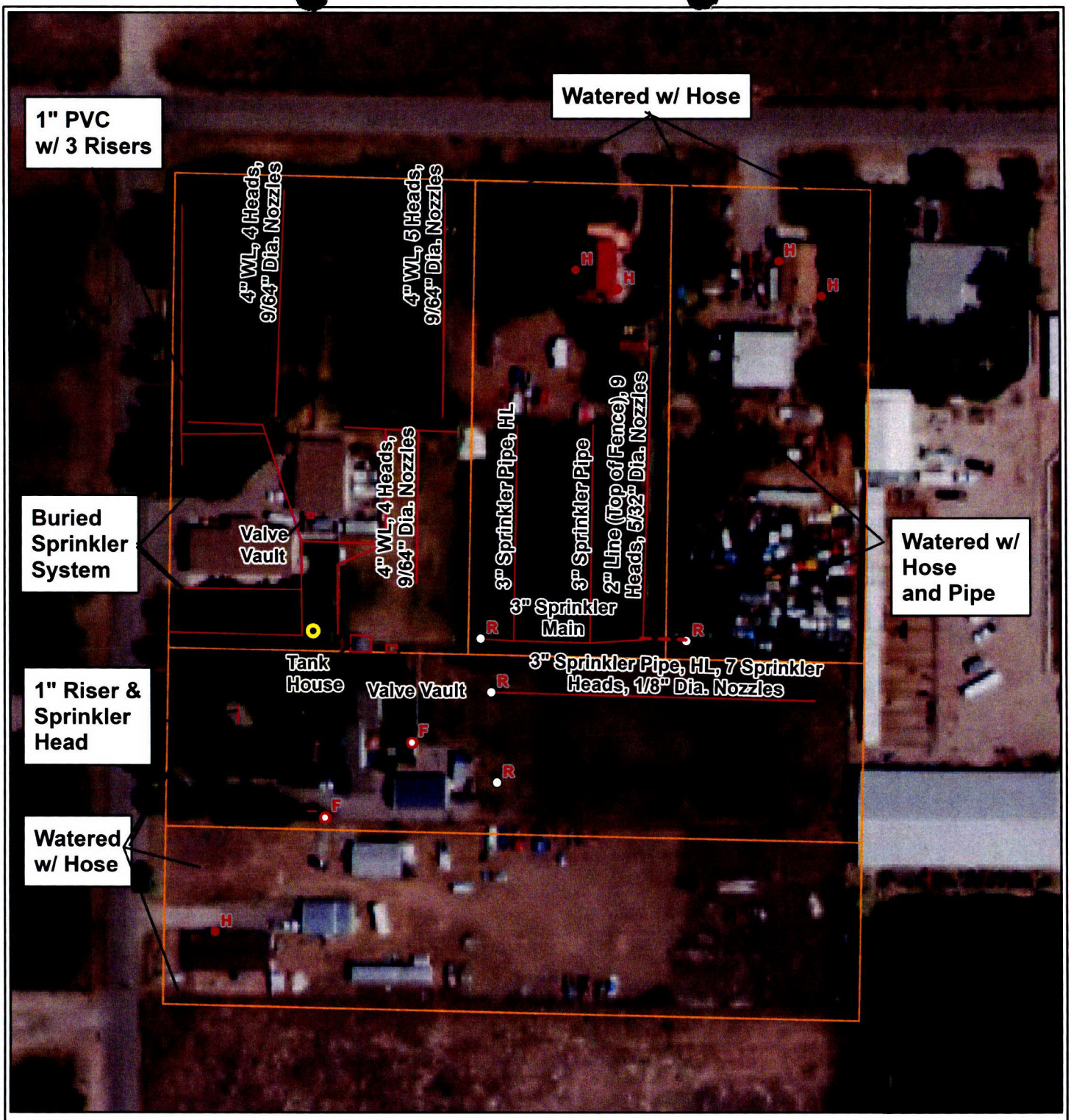
N
W E
S

# Figure 2: Parcel Ownership

Tirrell Water Users, Inc.

| | |
|---|---|
| Project #: 21-0271 | |
| Drawn by: AD | |
| Date: 5/3/2022 | |

Rocky Mountain ENVIRONMENTAL ASSOCIATES, INC.




- Well (8" Dia.)
- F: 1" Faucet
- H: 3/4" House Garden Hose Connection
- R: 3" Riser
- Water Lines
- Parcels

N W E S

# Figure 3: Water Distribution System

Tirrell Water Users, Inc.

| | |
|---|---|
| Project #: 21-0271 | |
| Drawn by: AD | |
| Date: 7/20/2022 | |

Rocky Mountain ENVIRONMENTAL ASSOCIATES, INC.



0 0.02 0.04 0.07 Miles

1993 Google Earth Image

1993 Irrigated Acres (POU, 5.4 ac)

Parcels

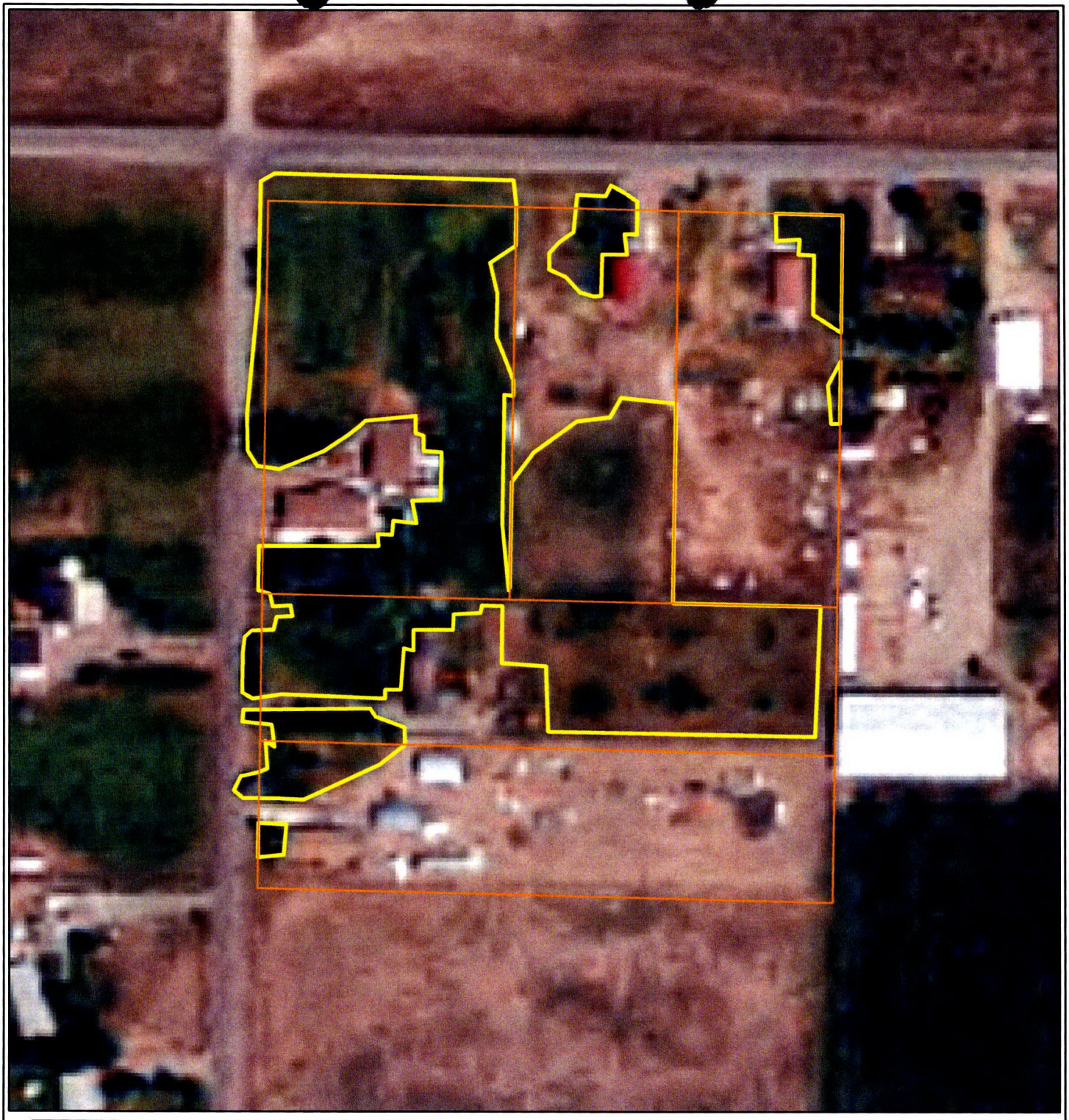
# Figure 4: Historical Aerial 1993

Tirrell Water Users, Inc.

N W E S

| | |
|---|---|
| Project #: 21-0271 | |
| Drawn by: AD | |
| Date: 5/3/2022 | |

Rocky Mountain ENVIRONMENTAL ASSOCIATES, INC.



0 0.02 0.04 0.07 Miles

2004 NAIP

2004 Irrigated Acres

Parcels

# Figure 5: Historical Aerial 2004

Tirrell Water Users, Inc.

N W E S

| | |
|---|---|
| Project #: 21-0271 | |
| Drawn by: AD | |
| Date: 5/3/2022 | |

Rocky Mountain ENVIRONMENTAL ASSOCIATES, INC.



0 0.02 0.04 0.07 Miles

2011 NAIP

2011 Irrigated Acres
Parcels

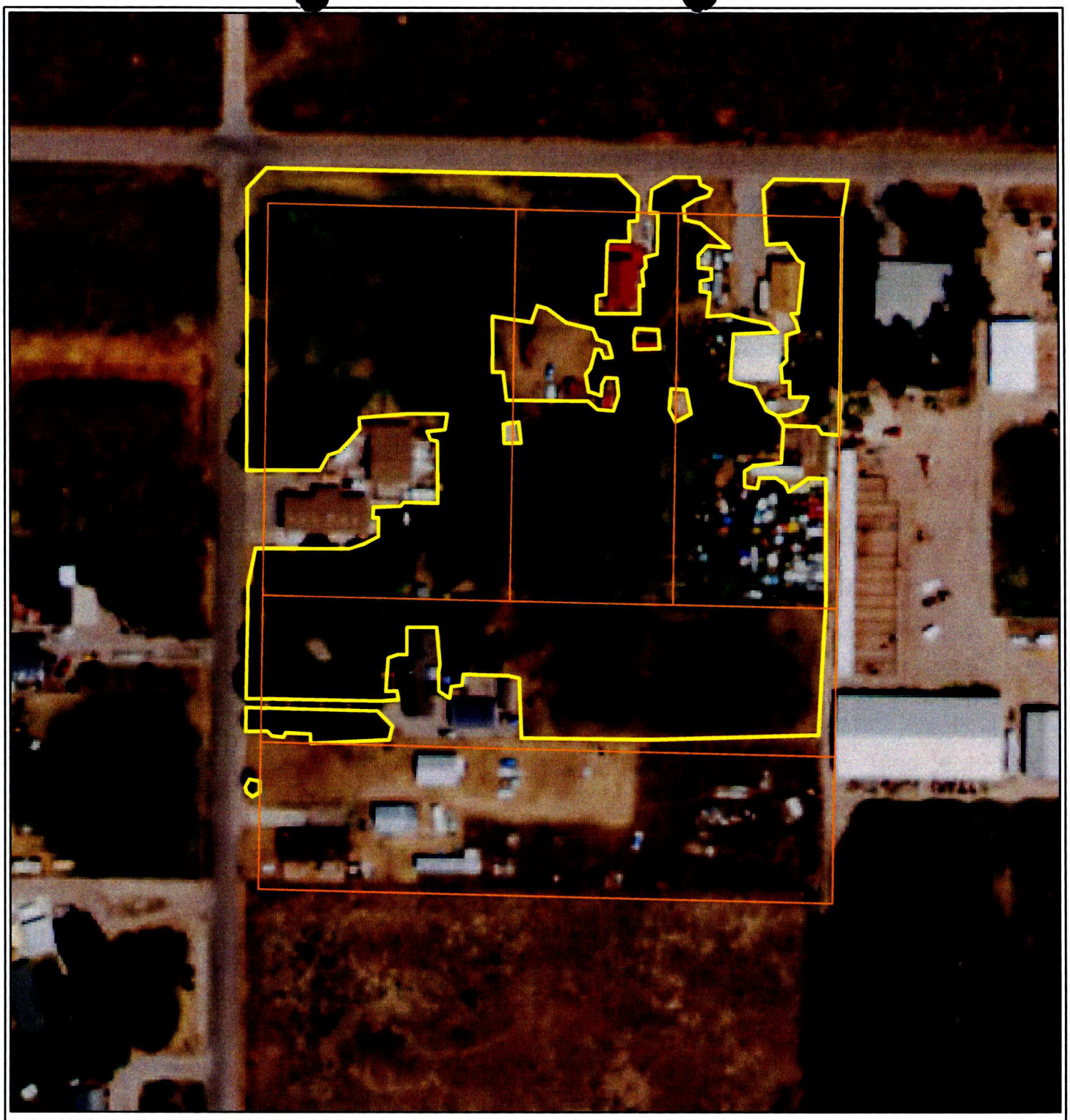
# Figure 6: Historical Aerial 2011

Tirrell Water Users, Inc.

N
W E
S

| | |
|---|---|
| Project #: 21-0271 | |
| Drawn by: AD | |
| Date: 5/3/2022 | |

Rocky Mountain ENVIRONMENTAL ASSOCIATES, INC.



0 0.02 0.04 0.07 Miles

2019 NAIP

2019 Irrigated Acres

Parcels

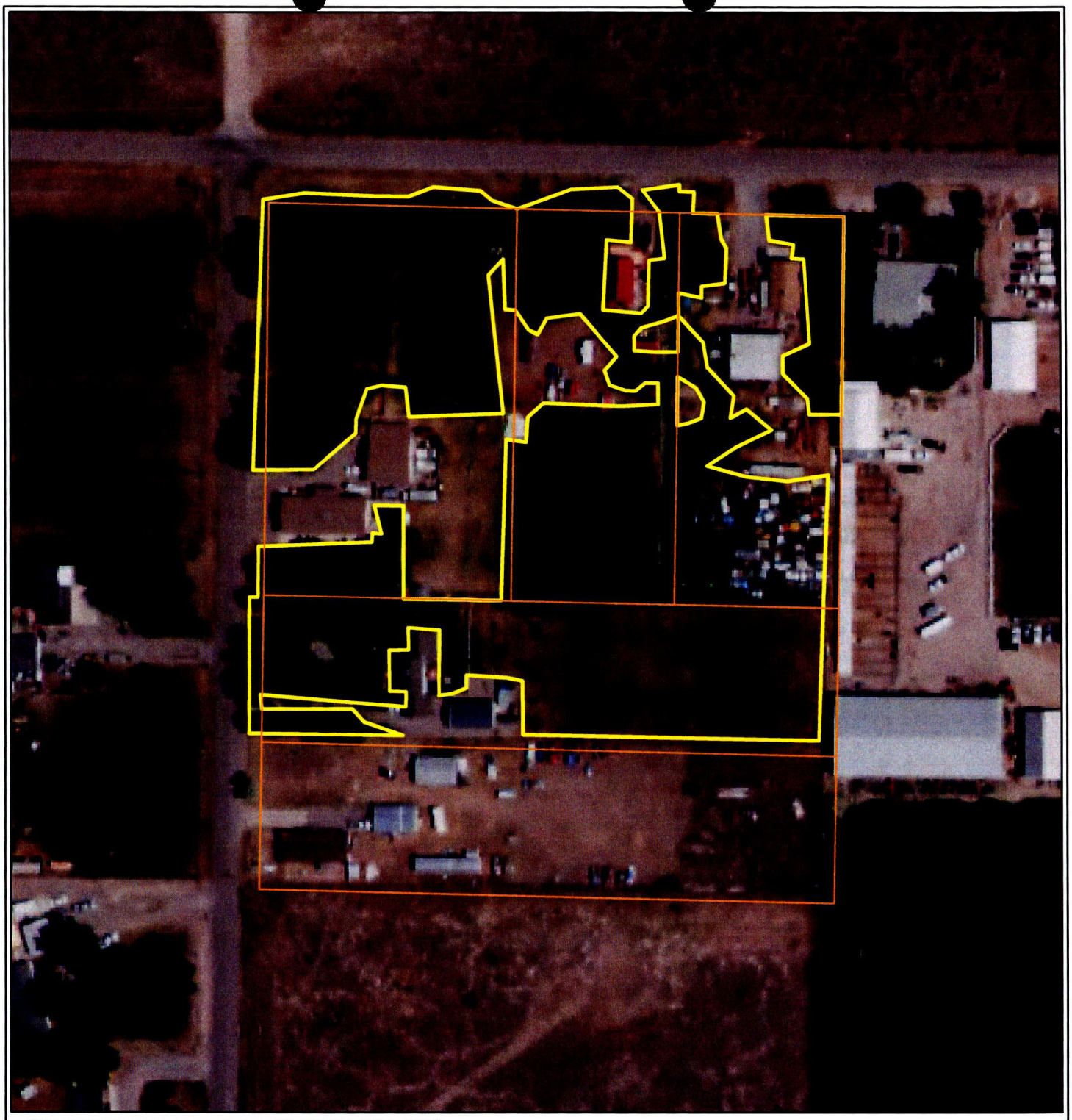
# Figure 7: Historical Aerial 2019

Tirrell Water Users, Inc.

N W E S

| | |
|---|---|
| Project #: 21-0271 | |
| Drawn by: AD | |
| Date: 5/3/2022 | |

Rocky Mountain ENVIRONMENTAL ASSOCIATES, INC.



0 0.02 0.04 0.07 Miles

2021 NAIP

2021 Irrigated Acres
Parcels

# Figure 8: Historical Aerial 2021

Tirrell Water Users, Inc.

N
W E
S

| | |
|---|---|
| Project #: 21-0271 | |
| Drawn by: AD | |
| Date: 5/3/2022 | |

Rocky Mountain ENVIRONMENTAL ASSOCIATES, INC.



0 80 160 320 Feet

2021 NAIP

**Legend**

- Recommended Irrigated Acres (5.0 ac)
- Parcels

N W E S

# Figure 9. Recommended Acres

*Tirrell Water Users*

| | |
|---|---|
| RMEA # 21-0271 | |
| by: KM | |
| Date: 8/2/2022 | |

Rocky Mountain ENVIRONMENTAL ASSOCIATES, INC.

# ATTACHMENT B – SITE PHOTOGRAPHS



**Photo 1. Tirrell Water Users Inc. well on Brower property, viewing north.**



**Photo 2. Hose sprinkler on west end of Kulicke pasture. Note pneumatic tank house in background.**



**Photo 3. Entrance of 3-inch line from well into tank house.**

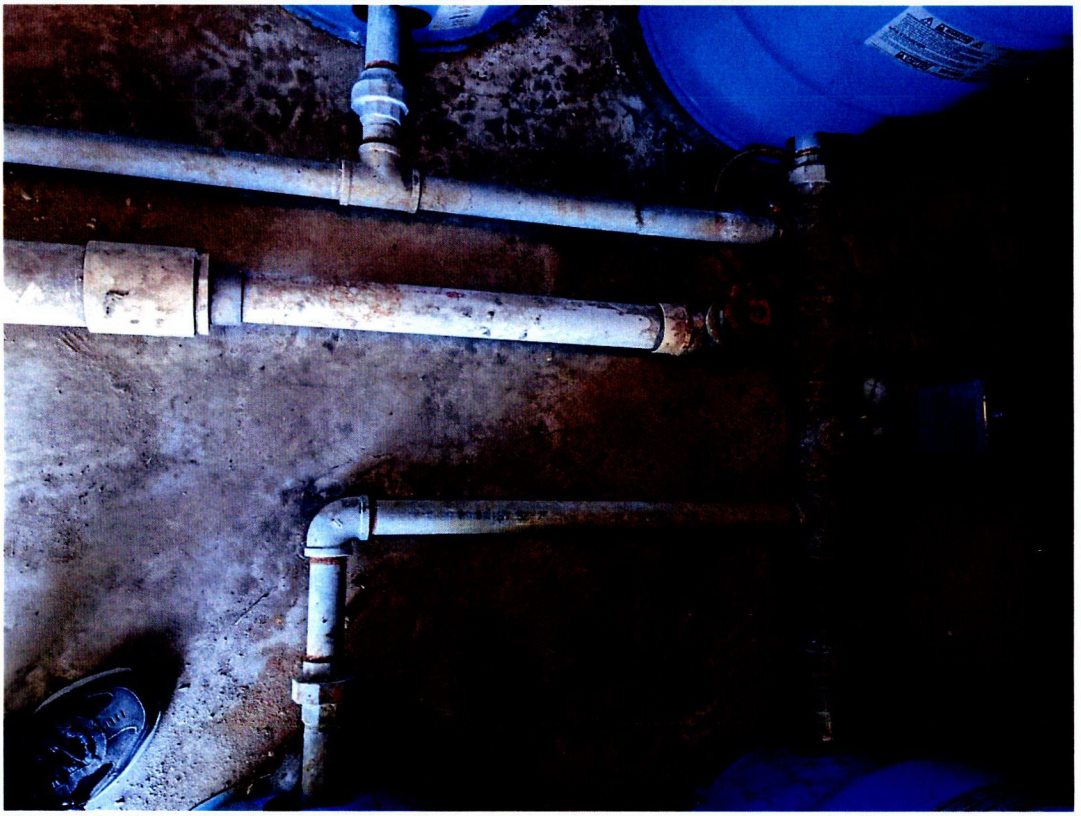


**Photo 4. Manifolding of water line to five hydropneumatics tanks in tank house. Note pressure switch and gage.**




**Photo 5. Hydropneumatic tank technical label, typical of each of five tanks.**




**Photo 6. Three tanks on north side of tank building interior.**




**Photo 7. Two tanks on south side of tank building interior.**

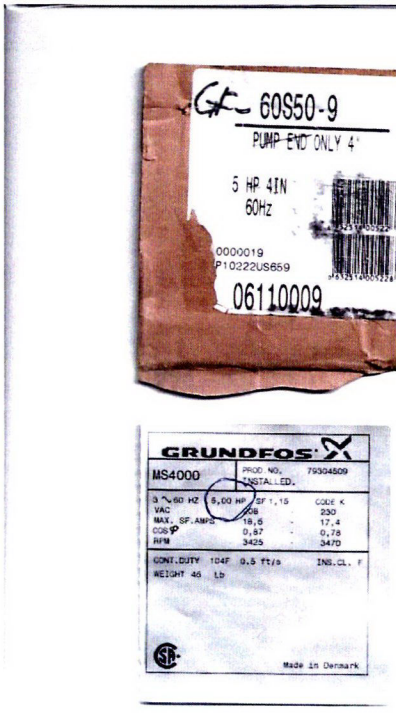



**Photo 8. Technical label for submersible well pump.**

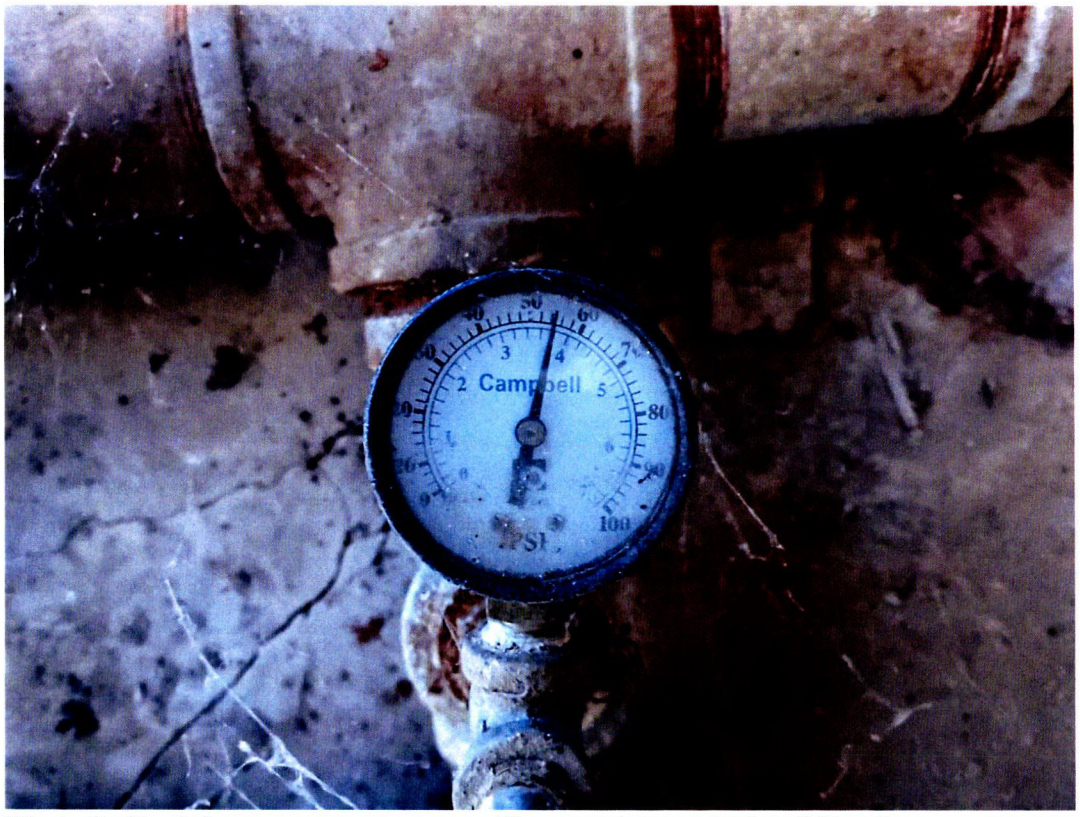



**Photo 9. Tank house pressure gage with no systems running (55 psi).**



**Photo 10. Tank house pressure gage with largest system running (42 psi).**



**Photo 11. Brower west pasture wheel line in operation, viewing northwest.**



**Photo 12. Brower east pasture wheel line in operation, viewing northeast.**



**Photo 13. Brower southeast pasture wheel line, viewing east.**



**Photo 14. Kulicke yard center riser, viewing west.**



**Photo 15. Kulicke pasture hand line in operation, viewing east.**



**Photo 16. Fence between Farrell and Potter pastures, fence mounted line in operation, viewing north.**



**Photo 17. Farrell pasture, livestock, and hand line, viewing northwest.**



**Photo 18. Potter pasture and hose, viewing north.**



**Photo 19. Kulicke hose bib on south side of yard.**

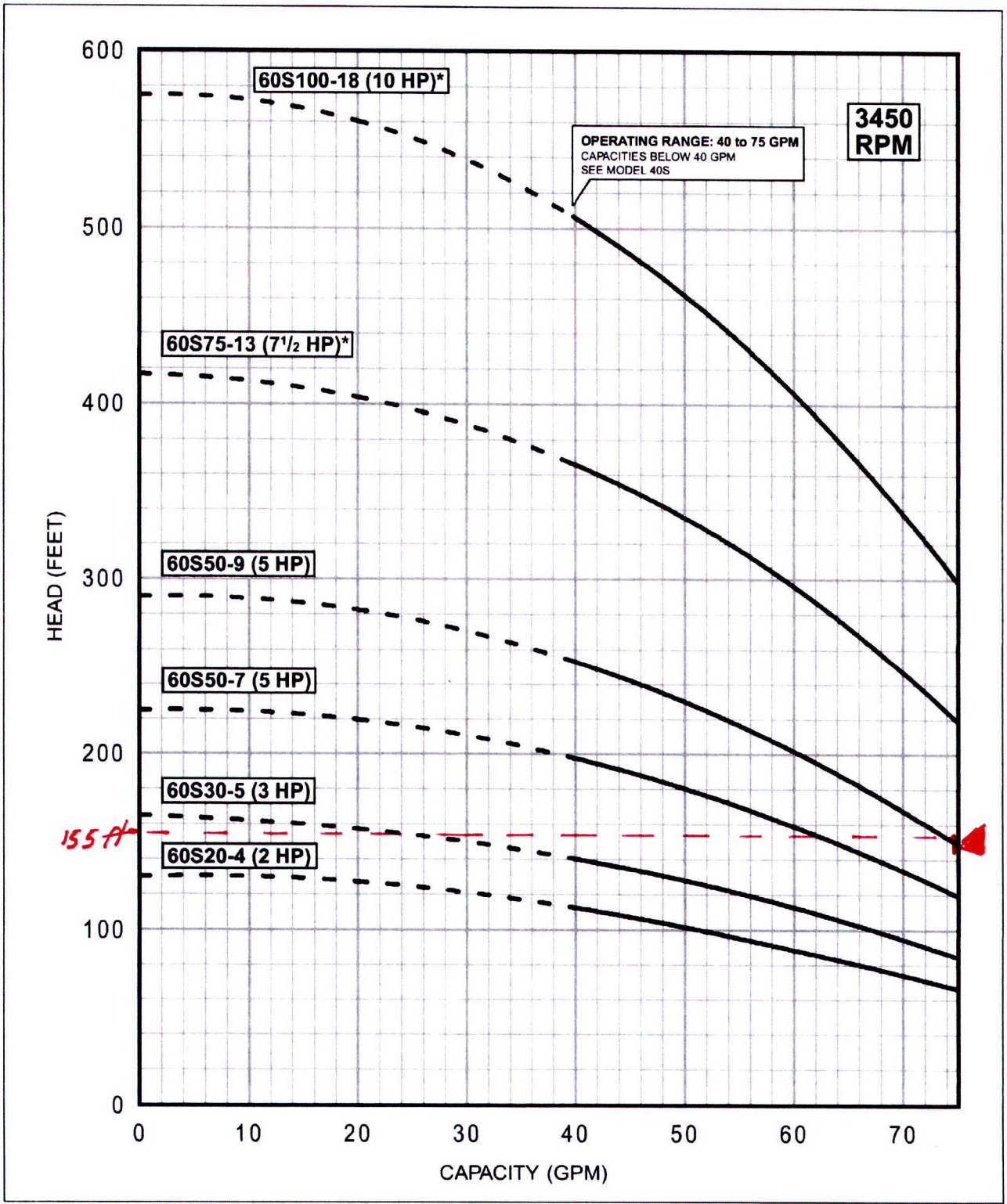


**Photo 20. Turinbeauch house and field, viewing southwest.**

# ATTACHMENT C – PUMP CURVE

# Model 60S — 60 GPM — Performance Curves

**FLOW RANGE: 40 -75 GPM** **OUTLET SIZE: 2 " NPT** **NOMINAL DIA. 4"**




SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
* Also available with 6" motor.

Performance conforms to ISO 2548 Annex B
@ 5 ft. min. submergence.

GRUNDFOS

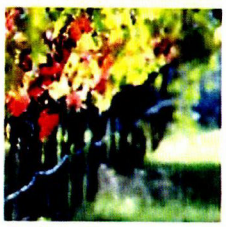
# ATTACHMENT D – SPRINKLER NOZZLE CAPACITIES

RAIN BIRD®

# Agricultural Irrigation Products

## 2014-2015 Catalog



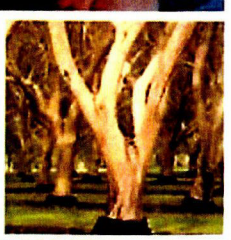












A Legacy of Agricultural Innovation

IRRIGATION-MART
we SAVVY irrigation

## 20JH

1/2" 13mm Full Circle, Brass Impact Sprinkler

- Durable brass die-cast arm
- Stainless steel springs and fulcrum pin
- Corrosion and grit resistant

### Features

- Chemically resistant PTFE washers

### Benefits

- Spoon drive arm runs on larger nozzles and higher pressures
- Built to last
- Five-year Customer Satisfaction Policy

### Specifications

- Bearing: 1/2" Male NPT, Brass
- Trajectory Angle: 23°
- Operating Range: 35-60 psi 2.4-4.1 bar
- Flow Rate: 2.05.47 gpm 0.47-1.24 m³/h
- Radius: 38-44 ft. 11.6-13.4 meters
- One 1/8" Female NPT Nozzle Port



**Straight Bore Nozzle (SBN-1) Performance***

| psi @ Nozzle | NOZZLE SIZE (Stream Height: 6 ft.) 7/64" Rad. | gpm | 1/8" Rad. | gpm | 9/64" Rad. | gpm | 5/32" Rad. | gpm |
|---|---|---|---|---|---|---|---|---|
| 35 | 38 | 2.05 | 38 | 2.68 | 39 | 3.39 | 39 | 4.19 |
| 40 | 38 | 2.19 | 39 | 2.86 | 40 | 3.62 | 39 | 4.47 |
| 45 | 39 | 2.32 | 39 | 3.03 | 40 | 3.84 | 40 | 4.73 |
| 50 | 39 | 2.45 | 39 | 3.20 | 40 | 4.05 | 40 | 5.00 |
| 55 | 39 | 2.57 | 40 | 3.35 | 40 | 4.24 | 40 | 5.23 |
| 60 | 39 | 2.68 | 40 | 3.50 | 41 | 4.43 | 41 | 5.47 |

**Straight Bore Nozzle with Vane (SBN-1V)***

| psi @ Nozzle | NOZZLE SIZE (Stream Height: 7 ft.) 1/8" Rad. | gpm | 9/64" Rad. | gpm | 5/32" Rad. | gpm |
|---|---|---|---|---|---|---|
| 35 | 39 | 2.68 | 41 | 3.39 | 42 | 4.19 |
| 40 | 40 | 2.86 | 41 | 3.62 | 42 | 4.47 |
| 45 | 40 | 3.03 | 42 | 3.84 | 42 | 4.73 |
| 50 | 41 | 3.20 | 42 | 4.05 | 43 | 5.00 |
| 55 | 41 | 3.35 | 43 | 4.24 | 43 | 5.23 |
| 60 | 41 | 3.50 | 43 | 4.43 | 44 | 5.47 |

**Straight Bore Nozzle (SBN-1) Performance* METRIC**

| bar@ Nozzle | NOZZLE SIZE (Stream Height: 1.8m) 2.78 mm (7/64") Rad. (m) | Flow (lps) | Flow (m³/h) | 3.18 mm (1/8") Rad. (m) | Flow (lps) | Flow (m³/h) | 3.57 mm (9/64") Rad. (m) | Flow (lps) | Flow (m³/h) | 3.97 mm (5/32") Rad. (m) | Flow (lps) | Flow (m³/h) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2.4 | 11.6 | 0.13 | 0.47 | 11.7 | 0.17 | 0.61 | 12.0 | 0.21 | 0.77 | 12.0 | 0.26 | 0.95 |
| 2.5 | 11.6 | 0.13 | 0.47 | 11.8 | 0.17 | 0.62 | 12.1 | 0.22 | 0.78 | 12.0 | 0.27 | 0.97 |
| 3.0 | 11.8 | 0.14 | 0.52 | 12.0 | 0.19 | 0.68 | 12.2 | 0.24 | 0.86 | 12.1 | 0.29 | 1.06 |
| 3.5 | 11.9 | 0.16 | 0.56 | 12.1 | 0.20 | 0.73 | 12.3 | 0.26 | 0.93 | 12.3 | 0.32 | 1.14 |
| 4.0 | 12.0 | 0.17 | 0.60 | 12.2 | 0.22 | 0.78 | 12.4 | 0.27 | 0.99 | 12.4 | 0.34 | 1.22 |
| 4.1 | 12.0 | 0.17 | 0.61 | 12.2 | 0.22 | 0.79 | 12.5 | 0.28 | 1.01 | 12.5 | 0.35 | 1.24 |

**Straight Bore Nozzle with Vane (SBN-1V)* METRIC**

| bar@ Nozzle | NOZZLE SIZE (Stream Height: 2.1m) 3.18 mm (1/8") Rad. (m) | Flow (lps) | Flow (m³/h) | 3.57 mm (9/64") Rad. (m) | Flow (lps) | Flow (m³/h) | 3.97 mm (5/32") Rad. (m) | Flow (lps) | Flow (m³/h) |
|---|---|---|---|---|---|---|---|---|---|
| 2.4 | 12.0 | 0.17 | 0.61 | 12.5 | 0.21 | 0.77 | 12.8 | 0.26 | 0.95 |
| 2.5 | 12.1 | 0.17 | 0.62 | 12.5 | 0.22 | 0.78 | 12.8 | 0.27 | 0.97 |
| 3.0 | 12.3 | 0.19 | 0.68 | 12.8 | 0.24 | 0.86 | 13.0 | 0.29 | 1.06 |
| 3.5 | 12.5 | 0.20 | 0.73 | 13.0 | 0.26 | 0.93 | 13.1 | 0.32 | 1.14 |
| 4.0 | 12.5 | 0.22 | 0.78 | 13.2 | 0.27 | 0.99 | 13.3 | 0.34 | 1.22 |
| 4.1 | 12.5 | 0.22 | 0.79 | 13.3 | 0.28 | 1.01 | 13.4 | 0.35 | 1.24 |

* Available without Nozzle or Assembled with either a 7/64" (07) or 1/8" (08) Straight Bore Nozzle. **All other Nozzles must be purchased separately.** See Chart below.

## Part Numbers and Ordering Information

| Sprinkler Only | |
|---|---|
| Sprinkler without Nozzle | A05840 |

| Assembled Sprinkler/Nozzle Factory Combination | |
|---|---|
| Sprinkler with Nozzle **SBN-1** 7/64" | A0584107 |
| Sprinkler with Nozzle **SBN-1** 1/8" | A0584108 |

| Nozzle Only | | | XX = Nozzle Size | | | |
|---|---|---|---|---|---|---|
| | | U.S. Standard | 7/64" | 1/8" | 9/64" | 5/32" |
| | | Metric | 2.78 mm | 3.18 mm | 3.57 mm | 3.97 mm |
| Brass Straight Bore Nozzle | SBN-1 | 105780-XX | **07** | 08 | 09 | 10 |
| Brass Straight Bore Nozzle with Vane | SBN-1-V | 106160-XX | – | 08 | 09 | 10 |

Bold nozzle size numbers denote the most common nozzle choices.

# ATTACHMENT E – CALCULATIONS

**Calculations**

1. Pump capacity from pump curve (Grundfos MS4000 Model 60S50-9, 5.0 HP 50 Hz):
    a. System pressure
        i. From pressure gage in tank house, pre-pumping head P1 (should reflect static pressure) = 55 psi x 2.31 ft/psi = 127 ft
        ii. From pressure gage in tank house, pumping pressure head P2 while pumping largest capacity irrigation line = 42 psi x 2.31 ft/psi = 97 ft
    b. Drawdown head (h) = P1 – P2 = 127 ft – 97 ft = 30 ft
    c. Static water level (SWL) from attached well log = 28 ft (estimated)
    d. Total Dynamic Head (TDH) while pumping:
        i. P2 + h + SWL = 97 ft + 30 ft + 28 ft = 155 ft
    e. From attached pump curve, pumping rate Qp at 155 ft TDH
    f. Pump capacity Qp = 75 gpm/448.8 gpm/cfs = **0.17 cfs**
2. Allowable diversion rate = 0.02 cfs per acre.
    a. Historical irrigation is estimated at 5.0 acres.
    b. 5.0 acres x 0.02 cfs/acre = **0.10 cfs**.
    c. The allowable irrigation diversion rate is less than the pump capacity, therefore the pump system is adequate for the allowable diversion rate.
3. Flowrate from nozzles:
    a. Largest discharge lines are:
        i. 2-inch fence-mounted line, 9 impact sprinkler heads, 5/32-inch nozzles
            1. From attached rainbird nozzle chart,
                a. At 40 psi, discharge rate per nozzle $q_n$ = 4.47 gpm
                b. At 45 psi, $q_n$ = 4.73 gpm
                c. At 42 psi, $q_n$ = 4.47 + [(4.73 – 4.47) x 2/5] = 4.57 gpm
            2. 9 nozzles x 4.57 gpm/nozzle = 41.1 gpm = 0.092 cfs
        ii. 4-inch wheel line, 5 impact sprinkler heads, 9/64-inch nozzles
            1. From attached rainbird nozzle chart,
                a. At 40 psi, $q_n$ = 3.62 gpm

b. At 45 psi, $q_n$ = 3.84 gpm

c. At 42 psi, $q_n$ = 3.62 +[(3.84 – 3.62) x 2/5] = 3.71 gpm

2. 5 nozzles at 3.71 gpm/nozzle = 18.6 gpm = 0.041 cfs

iii. 4-inch wheel line, 4 impact sprinkler heads, 9/64-inch nozzles (there are two identical lines)

1. As above, each nozzle will discharge 3.71 gpm at 42 psi

2. 4 nozzles x 3.71 gpm/nozzle = 14.84 gpm = 0.033 cfs

iv. One 3-inch hand line, seven impact sprinkler heads, 1/8-inch nozzles

1. From attached Rainbird chart,

a. At 40 psi, $q_n$ = 2.86 gpm

b. At 45 psi, $q_n$ = 3.03 gpm

c. At 42 psi, $q_n$ = 2.86 + [(3.03 – 2.86) x 2/5] = 2.93 gpm

2. 7 nozzles x 2.93 gpm/nozzle = 20.5 gpm = 0.046 cfs

v. No individual system exceeds the allowable diversion rate of 0.10 cfs.

vi. Various combinations of systems can be run without exceeding 0.11 cfs. For example, one 4-nozzle wheel lines (0.033 cfs) + one 5-nozzle wheel line (0.041 cfs) = 0.074 cfs.

## Nelson, Dan

**From:** Nelson, Dan
**Sent:** Thursday, September 15, 2022 2:20 PM
**To:** Kristin Moore
**Cc:** 'Patrick Naylor'
**Subject:** RE: Tirrell Water Users

Kristin,

Thank you for the revised field report. The permit has been reinstated, and we need to send out an amendment. This mailing is perfect timing, because I have it on my desk to send out the amendment and haven't gotten to it yet. Once I review the revised field report, I will send out an amendment to the permit holder. I will send you and Patrick a copy of the amendment for your review. Once we receive that back, I will create a draft license and turn it in for signature. Depending on backlogs and time frames, we should get the license out a few weeks after I have submitted the draft license.

If you have any questions, please don't hesitate to contact me.

Respectfully,

D
Daniel Nelson
Water Right Analyst 3
Idaho Department of Water Resources
Telephone (208) 287-4856
Fax (208) 287-6700 (attn: Dan Nelson)

**From:** Kristin Moore <kristin.rmea@gmail.com>
**Sent:** Thursday, September 15, 2022 2:05 PM
**To:** Nelson, Dan <Dan.Nelson@idwr.idaho.gov>
**Cc:** 'Patrick Naylor' <patrick.rmea@gmail.com>
**Subject:** Tirrell Water Users

**CAUTION: This email originated outside the State of Idaho network. Verify links and attachments BEFORE you click or open, even if you recognize and/or trust the sender. Contact your agency service desk with any concerns.**

Dan,

See the revised field exam for Tirrell Water Users updating the acreage recommendation to 5.0 acres. Also, the total recommended quantities have been updated based on discussions we have had with you.

Thanks,

**Kristin Moore**

Senior Water Rights Analyst [redacted]
482 Constitution Way, Ste 303, Idaho Falls, ID 83402
E-Mail: kristin.rmea@gmail.com
VOICE: 208-524-2353, Ext #104 ||| FAX: 208-524-1795




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IDAHO DEPARTMENT OF
WATER RESOURCES

322 E Front Street, Suite 648, Boise ID 83702 • PO Box 83720, Boise ID 83720-0098
Phone: 208-287-4800 • Fax: 208-287-6700 • Email: idwrinfo@idwr.idaho.gov • Website: idwr.idaho.gov

**Governor Brad Little** **Director Gary Spackman**

September 12, 2022

TIRRELL WATER USERS INC
1809 GOVERNMENT RD
POCATELLO ID 83204

## PROOF ACKNOWLEDGEMENT LETTER

**RE: Permit No. 29-7917**

Dear Permit Holder:

The Department acknowledges receipt of the Proof of Beneficial Use form ("proof") and license examination fee for the above-referenced water right permit. Enclosed is an order that reinstates this permit since proof and the license examination fee were submitted after the proof deadline. Please note that the priority date for this permit has been advanced to **May 27, 2022**, pursuant to Idaho Code § 42-218a(2).

The next step in the process of developing a water right is for the Department to conduct a field examination to determine and confirm the use being made of the water according to the conditions of the permit.

**Please be advised that Idaho Code § 42-248, requires you or the owner of this water right to maintain current ownership and address records on file with the Department. Forms to file a change of ownership of a water right and/or a change in the address of the water right owner are available from any Department office or at the Department's website at www.idwr.idaho.gov.**

If you have any questions concerning this permit, please contact the State Office of the Department located in Boise at (208) 287-4800.

Sincerely,

Debbi Judd
Technical Records Specialist

Enclosures

SCANNED
SEP 12 2022

## CERTIFICATE OF SERVICE

I hereby certify that on **September 12, 2022** I mailed a true and correct copy, postage prepaid, of the foregoing PRELIMINARY ORDER **(PRELIMINARY ORDER REINSTATING A PERMIT)** to the person listed below:

RE: Preliminary Order in the Matter of Permit No. **29-7917**

**TIRRELL WATER USERS INC**
**1809 GOVERNMENT RD**
**POCATELLO ID 83204**

Debbi Judd

**Debbi Judd**
**Technical Records Specialist**

SCANNED
SEP 12 2022

**MEMORANDUM**

TO: Water Right File 29-7917

FROM: Daniel Nelson – Analyst 3

DATE: July 20, 2022

SUBJECT: Licensing Review of Water Right 29-7917

The field exam for this right was performed by Certified Water Right Examiner Patrick Naylor of Rocky Mountain Environmental Associates, Inc. Mr. Naylor recommended that water right permit 29-7917 ("Permit") be reinstated and licensed for 0.11 cubic feet per second (cfs) and 21.6 acre-feet (af) for irrigation, 0.11 cfs and 3.0 af for domestic use, and 0.02 cfs and 13,000 gallons per day for stockwater from ground water for a subdivision with 5.4 acres of irrigation, 5 homes, and up to 4 horses.

**History and Reinstatement of Permit:**

On April 6, 1990, the Idaho Department of Water Resources ("Department") received an application for permit from Tirrell Water Users, Inc. ("Permit Holder"). This Permit was subsequently approved on July 31, 1990, with a condition that requiring Poof of construction works and application of water to beneficial use was due on August 1, 1992.

On August 1, 1992, the Permit lapsed, and a Lapse Notice was sent on August 5, 1992. The Permit has been lapsed approximately 30 years.

On November 17, 2021, the Department contacted Denny and Denise Brower about irrigating lands without a water right. It was discovered during the investigation of this contact that the water system was owned by Tirrell Water Users. A letter was sent to Tirrell Water Users on December 8, 2021, concerning the water use on approximately 4 acres of ground without a valid water right. It was discovered during this process that Tirrell Water Users were unaware that this Permit had lapsed and the Tirrell Water Users were operating the water system without a valid water right.

On May 11, 2022, the Department received a Statement of Completion for Submitting Beneficial Use ("Proof"), but this Proof was sent without the required Beneficial Use Report, Request to Reinstate a Permit Lapsed for more than Sixty Days form. The fee of $250.00 did accompany the Proof.



AU
SCANNED
SEP 12 2022

On May 23, 2022, the Department received the Request to Reinstate a Permit Lapsed for more than Sixty Days form.

On May 27, 2022, the Department received the field report submitted by Mr. Naylor. The field report included a copy of the Proof. The Department had already received the remaining information, so the field report completed the actual filing of Proof according to Idaho Code § 42-218(3). The field examiner found that approximately 5.4 acres were developed, 5 homes were built, and did not mention the number of horses or addressed the stockwater portion.

However, per photos I found on Google Maps, I was able to confirm that there are at least 3 horses on the property associated with the Bower property at 1809 Government Road. Based on the aerial imagery, a large portion of this parcel has been a pasture for horses since the permit was approved. The permit has a condition stating that the stockwater was for 4 horses, and it appears as though that has been accomplished. I contacted Mr. Nayor to confirm the number of livestock in an email on July 21, 2022. Mr. Naylor confirmed in a July 22, 2022, email that the rate and volume for 0 to 10 animals on these properties seems reasonable.

Based on the aerial imagery there is clear evidence that some irrigation occurred in 1992 and there were 5 homes constructed. Due to the black and white imagery, it is difficult to determine the exact number of acres irrigated. Using the available aerial images, it appears as though anywhere to 2 to 6 acres has been irrigated at this subdivision over the years. Based on the information available, I am convinced that the domestic use, stockwater use, and approximately 5 acres of irrigation use was developed in 1992 and 2 to 6 acres have been irrigated throughout the years.

The biggest issue is that this Permit has been lapsed for the last 30 years in an area that has had a moratorium since 1993 or 29 years. The Snake River Moratorium was signed in 1993, so this is a pre-moratorium Permit. The best defense for this Permit is that it has been used in part or maybe a bit more than was developed in 1992 since the permit was approved. I feel we can overcome that issue where they have been utilizing this permit over the years even though it has been lapsed. I believe we could reinstate this permit based on the historic use of this permit.

The next issue of concern is that this system doesn't have a measurement device installed on it. With the 5.4 acres of irrigation recommended by Mr. Naylor, a measurement device would be required on this permit. Per my conversations with Department staff, a measurement device is required on irrigation of more than 5 acres. Therefore, conditions regarding the measurement devices and lockable controlling works would need to be added to the license, because Water District 120 was formed after the approval of this permit.

Probably the final issue would be how this right would be addressed in the Surface Water Collation Call and mitigation for use. If this permit is reinstated, it will have a May 27, 2022, priority date. This priority date would require that this Permit be part of a mitigation plan or be curtailed almost every year. I have been informed that once the permit is reinstated, the permit holder will probably ask Aberdeen Springfield Ground Water District for mitigation.

I am concerned about reinstating a permit that has been lapsed for over 30 years, even though, the water has been used since Proof was due. A great deal has happened over the years on the Eastern Snake Plain Aquifer (ESPA), and this water use hasn't been a party to those issues. Idaho Code §42-218a(3) doesn't provide any limitations for the amount of time a permit has been lapsed. With the information supplied by the Permit Holder, there is nothing that would prevent the reinstatement of this Permit.

However, an amendment is needed to correct the legal descriptions for the point of diversion and place of use. The legal descriptions for the point of diversion and place of use did not include the Government Lot designation.

**Overlap:**

There are no overlapping water rights for this place of use.

**Point of Diversion and Place of Use:**

In an email dated July 20, 2022, Mr. Naylor provided maps that showed the location of the well. The irrigation, domestic, and stockwater places of use appear reasonable. I was able to recreate the irrigation place of use of 5.4 acres. The place of use for the irrigation use was difficult to determine using the black and white imagery. However, I was able to create what I believe is a fair representation of what was irrigated in 1992 based on a variety of aerial imagery of the area after the proof of beneficial use was due. I am recommending that the 5.4 acres of irrigation recommended by Mr. Naylor is reasonable.

The legal description for the point of diversion and place of use did not include the government lot. This will need to be addressed with an amendment of permit.

**Diversion Rate and Volume:**

Administrative Processing Memorandum #22 limits the diversion rate of 5 domestic homes for in-house use to 0.11 cfs. Mr. Naylor recommended that diversion rate of the domestic use. Mr. Naylor also recommended 0.6 af per home, which is consistent with Administrative Processing Memorandum #22, so I feel the recommendations for the domestic use and volumes are reasonable.

Mr. Naylor originally recommended a diversion rate of 0.02 cfs and volume of 13,000 gallons per day for the stockwater use. I contacted Mr. Naylor on July 21, 2022, concerning this issue. On July 22, 2022, Mr. Naylor contacted me by email, and confirmed that a diversion rate of 0.02 cfs and volume of 0.2 af was reasonable for the stockwater use. Mr. Naylor recommended a total diversion rate of 0.17 cfs when these uses are combined. This is based on his analysis of the drawdown in the well.

I reviewed well drilling records and I did find a well for Leon Terrell drilled in 1977. I am not sure if this is the same well or not, but I used it as one of my comparison wells. On this well driller's report, they state that the well has a 28-foot statice level with an 18-inch drawdown. Using the standard 50 psi for domestic type systems, this well would produce approximately 95 gpm or 0.21 cfs ([8.8 X 0.70 X 5 Hp] / [30 feet lift + {50 psi X 2.31}] = 0.212 cfs). The second well that I reviewed was for a neighbor across the road to the west at 1384 Syphon Road. This well states that it has a 43-foot statice level and a 100-ft pumping water level. Using the information from this well, I came up with a diversion rate of 64 gpm or 0.14 cfs ([8.8 X 0.70 X 5 Hp] / [100 feet lift + {50 psi X 2.31}] = 0.143 cfs). My analysis shows a range of 0.14 cfs to 0.21 cfs. The 0.17 cfs recommended by the field examiner seems reasonable based on the range of diversion rates I would consider a 5Hp pump could produce in this area.

**Conditions:**

As stated above, conditions for this permit are outdated. I am recommending all the older conditions be removed and current conditions be added to this permit. Conditions 213, R05, R64, WB5, and 004 should be added to this permit for licensing purposes. A modified version of 214 should be used instead of the standard R43 based on location. The only condition similar to those above is the condition 004, but the permit had an older version of this condition.

**PLEASE NOTE: I have attached the Google Maps photos of the horses, Imagery used to determine irrigated acres, and the well driller reports used to review the diversion rate.**

Stockwater Review for Permit 29-7917. The photo below comes from Google Maps for the property at 1809 Government Road. This photo shows 2 horses in the barn and one of th horses in the corner of the pasture.



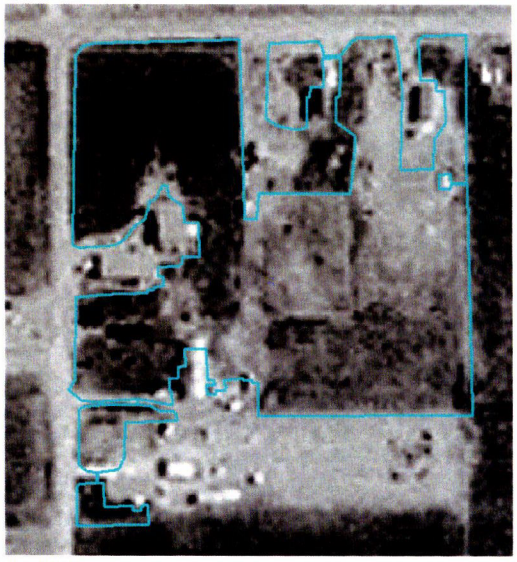
Irrigation Comparison for Permit 29-7917

1992 IDWR NAIP Imagery at full scale.



Irrigation Comparison for Permit 29-7917

1992 IDWR NAIP Imagery



1992 Google Earth Imagery



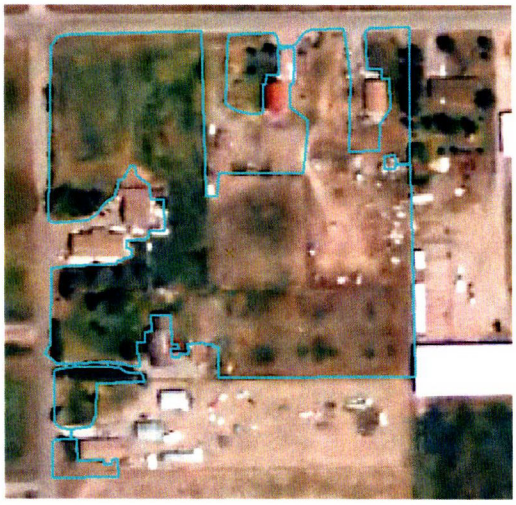

1993 Google Earth Imagery




2003 Google Earth Imagery



2004 IDWR NAIP Imagery



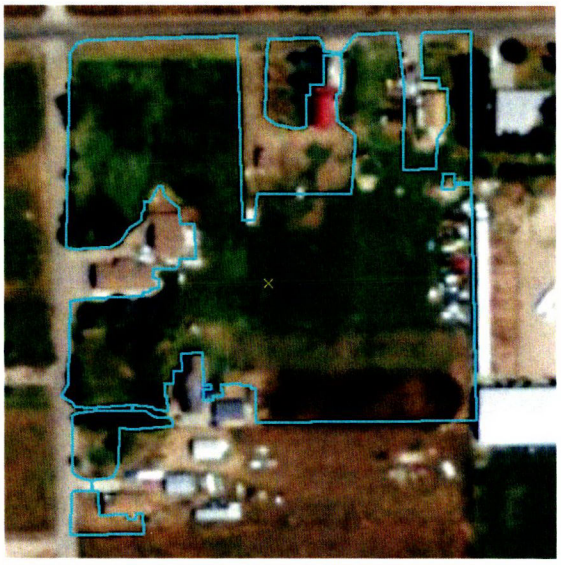
2006 IDWR NAIP Imagery



2009 Google Earth Imagery



2011 IDWR NAIP Imagery

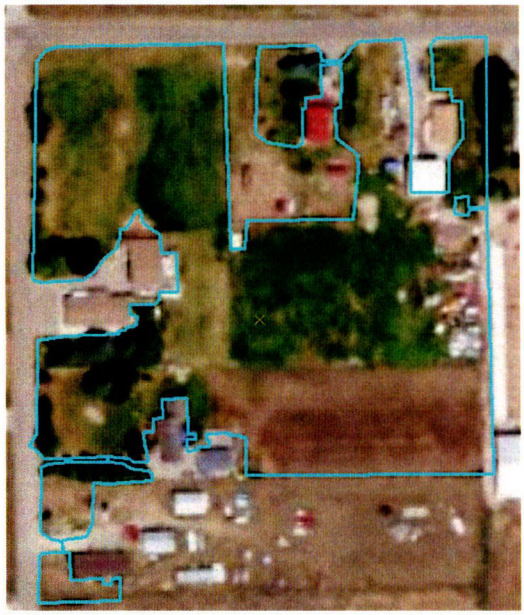


[redacted] [redacted]

2013 IDWR NAIP Imagery



2015 IDWR NAIP Imagery



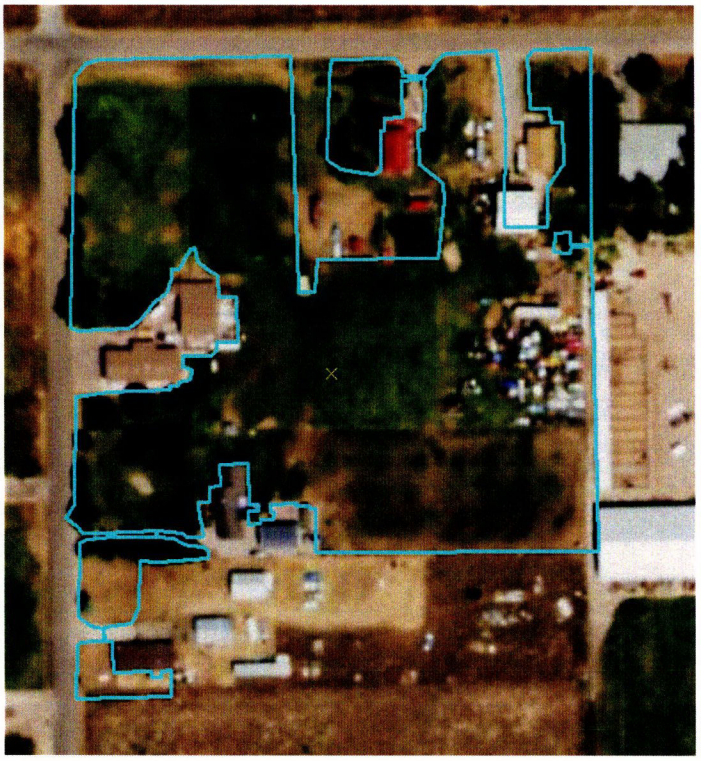
2016 IDWR ESRI Imagery



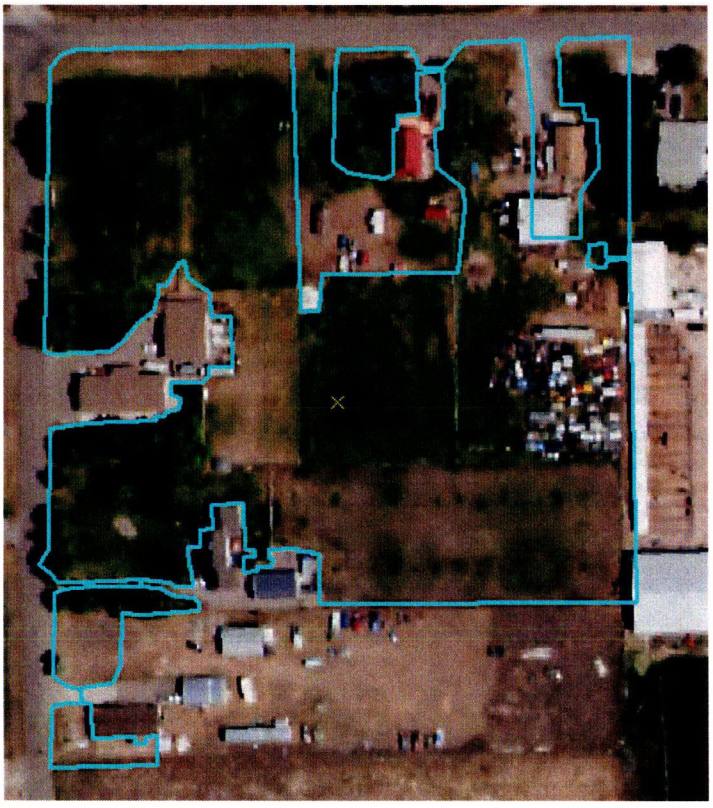
2017 IDWR NAIP Imagery



2019 IDWR NAIP Imagery



2021 IDWR NAIP Imagery



Form 238-7
9/87

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

# WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

USE TYPEWRITER OR BALLPOINT PEN

RECEIVED
OCT 16 1991
Department of Water Resources
Eastern District Office

## 1. WELL OWNER

Name Blair Wilcox

Address 1384 Syphon Road Pocatello, Idaho

Owner's Permit No. 29-91-E-056

## 2. NATURE OF WORK

■ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

## 3. PROPOSED USE

■ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

## 4. METHOD DRILLED

■ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary
☐ Cable ☐ Dug ☐ Other _____

## 5. WELL CONSTRUCTION

Casing schedule: ■ Steel ☐ Concrete ☐ Other _____

| Thickness | Diameter | From | To |
|---|---|---|---|
| .250 inches | 8" inches | + 1 feet | 158 feet |
| _____ inches | _____ inches | _____ feet | _____ feet |
| _____ inches | _____ inches | _____ feet | _____ feet |
| _____ inches | _____ inches | _____ feet | _____ feet |

Was casing drive shoe used? ■ Yes ☐ No
Was a packer or seal used? ☐ Yes ■ No
Perforated? ☐ Yes ■ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches

| Number | From | To |
|---|---|---|
| _____ perforations | _____ feet | _____ feet |
| _____ perforations | _____ feet | _____ feet |
| _____ perforations | _____ feet | _____ feet |

Well screen installed? ☐ Yes ■ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter ___ Slot size ___ Set from _____ feet to _____ feet
Diameter ___ Slot size ___ Set from _____ feet to _____ feet
Gravel packed? ☐ Yes ■ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth 20' Material used in seal: ☐ Cement grout
■ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing
■ Overbore to seal depth
Method of joining casing: ☐ Threaded ■ Welded ☐ Solvent Weld
☐ Cemented between strata
Describe access port Well Cap

## 6. LOCATION OF WELL

Sketch map location must agree with written location.

N / W / E / S

Subdivision Name _____

Lot No. _____ Block No. _____

County Power

NW ¼ NW ¼ Sec. 2, T. 6 ■S, R. 33 E■.

## 7. WATER LEVEL

Static water level 43 feet below land surface.
Flowing? ☐ Yes ■ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature 53 °F. Quality Good
*Describe artesian or temperature zones below.*

## 8. WELL TEST DATA

☐ Pump ☐ Bailer ■ Air ☐ Other _____

| Discharge G.P.M. | Pumping Level | Hours Pumped |
|---|---|---|
| 100 | 100' | 1 Hour |
| | | |
| | | |
| | | |

## 9. LITHOLOGIC LOG

023431

| Bore Diam. | Depth From | Depth To | Material | Water Yes | Water No |
|---|---|---|---|---|---|
| 8" | 0 | 4 | Dry Clay | | X |
| | 4 | 25 | Boulders & Clay | | X |
| | 25 | 45 | Sand & Gravel | | X |
| | 45 | 65 | Blue Clay | | X |
| | 65 | 80 | Brown Sand | | X |
| | 80 | 85 | Sand & Gravel | | X |
| | 85 | 100 | Brown Sand | | X |
| | 100 | 110 | Brown Clay | | X |
| | 110 | 130 | Brown Sand | | X |
| | 130 | 140 | Brown Clay | | X |
| | 140 | 145 | Brown Sand | | X |
| | 145 | 158 | Sand & Gravel | X | |

APR 22 1992

## 10.

Work started 9/25/91 finished 9/27/91

## 11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Jack Cushman Drilling Firm No. #94
Address 1405 South Broadway Blackfoot, Idaho Date 10/15/91
Signed by (Firm Official) Bob Cushman
and
(Operator) Monte Staples

USE TYPEWRITER OR BALL POINT PEN

State of Idaho
Department of Water Resources

# WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water days after the completion or abandonment of the well.

Location Corrected by IDWR To:
T06S R33E Sec. 2 SWSENW
By: mciscell 2012-12-14

**1. WELL OWNER**

Name LEON TERRELL
Address Box 2631 Sypow Rd.
Pocatello, Idaho
Owner's Permit No.

**2. NATURE OF WORK**

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning)

**3. PROPOSED USE**

☒ Domestic ☐ Irrigation ☐ Test ☐ Other (specify type)
☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection

**4. METHOD DRILLED**

☐ Cable ☒ Rotary ☐ Dug ☐ Other

**5. WELL CONSTRUCTION**

Diameter of hole 8" inches Total depth 150' feet
Casing schedule: ☒ Steel ☐ Concrete

| Thickness | Diameter | From | To |
|---|---|---|---|
| .250 inches | 8" inches | +18" feet | 150 feet |
| ____ inches | ____ inches | ____ feet | ____ feet |
| ____ inches | ____ inches | ____ feet | ____ feet |
| ____ inches | ____ inches | ____ feet | ____ feet |
| ____ inches | ____ inches | ____ feet | ____ feet |

Was casing drive shoe used? ☒ Yes ☐ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation ____ inches by ____ inches

| Number | From | To |
|---|---|---|
| ____ perforations | ____ feet | ____ feet |
| ____ perforations | ____ feet | ____ feet |
| ____ perforations | ____ feet | ____ feet |

Well screen installed? ☐ Yes ☒ No
Manufacturer's name
Type Model No.
Diameter ___ Slot size ___ Set from ____ feet to ____ feet
Diameter ___ Slot size ___ Set from ____ feet to ____ feet

Gravel packed? ☐ Yes ☒ No Size of gravel
Placed from feet to feet

Surface seal depth 18' Material used in seal ☐ Cement grout ☐ Puddling clay ☒ Well cuttings
Sealing procedure used ☐ Slurry pit ☒ Temporary surface casing ☐ Overbore to seal depth

**6. LOCATION OF WELL**

Legal and map location must agree with written location.

N / W / E / S

Subdivision Name
Lot No. Block No.
County Bannock
SW ¼ NW ¼ Sec. 2 , T. 6 ☒ S, R. 33 ☐ E/W

**7. WATER LEVEL**

Department of Water Resources
Eastern District Office

Static water level 28' feet below land surface
Flowing? ☐ Yes ☒ No G.P.M. flow
Temperature 51 ° F. Quality GOOD
Artesian closed-in pressure p.s.i.
Controlled by ☐ Valve ☐ Cap ☐ Plug

**8. WELL TEST DATA**

☐ Pump ☐ Bailer ☐ Other

| Discharge G.P.M. | Draw Down | Hours Pumped |
|---|---|---|
| 100 | 18" | 1 HR. |

**9. LITHOLOGIC LOG** 86742

| Hole Diam. | Depth From | Depth To | Material | Water Yes | Water No |
|---|---|---|---|---|---|
| 8" | 0 | 3' | Top Soil | | |
| 8" | 3' | 25' | Gravel + Boulders | | |
| | 25' | 38' | Sand + Gravel | | |
| | 38' | 66' | Blue Clay | | |
| | 66' | 78' | Gravel | | |
| | 78' | 103' | Sand | | |
| | 103' | 112' | Brown Clay | | |
| | 112' | 140' | Coarse Sand + Some Gravel | | |
| | 140' | 150' | Gravel + Some Clay | | |

**10.**
Work started 3/1/77 finished 3/2/77

**11. DRILLERS CERTIFICATION**

Firm Name Jack Cushman Drilling Firm No. 97
Address 465 So. Broadway Date 6-15-77
Signed by (Firm Official) Jack Cushman
and
(Operator) Jack Cushman

USE ADDITIONAL SHEETS IF NECESSARY FORWARD THE WHITE COPY TO THE DEPARTMENT

## Nelson, Dan

**From:** Nelson, Dan
**Sent:** Friday, July 22, 2022 2:48 PM
**To:** Patrick Naylor
**Subject:** RE: Revised Figure 3, BUFR for WR Permit 29-07917, Tyrell Water Users Inc.

Sounds great Patrick.

Dan Nelson

**From:** Patrick Naylor <patrick.rmea@gmail.com>
**Sent:** Friday, July 22, 2022 2:36 PM
**To:** Nelson, Dan <Dan.Nelson@idwr.idaho.gov>
**Cc:** Kristin M. Moore <kristin.rmea@gmail.com>
**Subject:** Re: Revised Figure 3, BUFR for WR Permit 29-07917, Tyrell Water Users Inc.

Dan, I consulted with Kristin Moore in our office. We agree that your proposed stockwater allowances seem reasonable.

Thanks
Pat

Patrick N. Naylor; PE, PG., CWRE
Vice-President, Principal Hydrogeologist
482 Constitution Way, Suite 303, Idaho Falls, ID 83402
E-Mail: patrick.rmea@gmail.com
VOICE: 208-524-2353 ||| Cell: 208-323-4444

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On Thu, Jul 21, 2022 at 7:13 AM Nelson, Dan <Dan.Nelson@idwr.idaho.gov> wrote:

Hello Patrick,

The only other thing that I saw was that you placed a volume of 13,000 gallons per day on the stockwater use and didn't provide the number of livestock. The 13,000 gallon per day designation is for an entire water right the falls under the de minimis category described in Idaho Code §42-111. You can't separate out one component of a water right for this designation.

Since you didn't supply any animal numbers, I looked at the permit and application for permit and found they requested livestock water for 4 horses. I was able to see 3 horses on the Brower property in Google Maps Street View. I plan to use Administrative Processing Memorandum #3 for the diversion rate and volume for the stockwater portion of this permit. Administrative Processing Memorandum #3 states that from 0 to 10 head of range cattle the rate and volume should be 0.02 cfs and 0.2 af. In section 1 of the memo below the table, it states that the Horses and Range Cattle use the same amount of water or 12 gallons per day.

If you don't have any objections, I am going to recommend 0.02 cfs and 0.2 af for the stockwater portion of this permit. If you don't agree please provide a recommendation that is accompanied by the actual livestock numbers and how you calculated the diversion rate and/or volume.

Thank you again for you help on this one.

Daniel Nelson

Water Right Analyst 3

Idaho Department of Water Resources

Telephone (208) 287-4856

Fax (208) 287-6700 (attn: Dan Nelson)

**From:** Patrick Naylor <patrick.rmea@gmail.com>
**Sent:** Wednesday, July 20, 2022 4:51 PM
**To:** Nelson, Dan <Dan.Nelson@idwr.idaho.gov>
**Cc:** Kristin M. Moore <kristin.rmea@gmail.com>
**Subject:** Re: Revised Figure 3, BUFR for WR Permit 29-07917, Tyrell Water Users Inc.

Hi Dan,

Application Processing No. 3
April 7, 1975

OPERATIONS DIVISION
ADMINISTRATOR'S MEMORANDUM

This Administrative Memorandum is not new law but is an agency interpretation of existing law. For more information or to provide input on the memorandum, please contact Rosemary DeMond at 208-287-4800. (Feb.2020)

TO: District Office
FROM: A. Kenneth Dunn
SUBJECT: Annual Use of Water for Stockwater Purposes

| No. of Stock (head) | RANGE CATTLE Rate* c.f.s. (1 | RANGE CATTLE Volume AF/yr. (1 | DAIRY CATTLE Rate* c.f.s. (2 | DAIRY CATTLE Volume AF/yr. (2 |
|---|---|---|---|---|
| 0 - 10 | 0.02 | 0.2 | 0.02 | 0.4 |
| 11 - 25 | 0.02 | 0.4 | 0.02 | 1.0 |
| 26 - 50 | 0.02 | 0.7 | 0.04 | 2.0 |
| 51 - 100 | 0.03 | 1.4 | 0.07 | 4.0 |
| 101 - 200 | 0.05 | 2.7 | 0.13 | 7.9 |
| 201 - 300 | 0.07 | 4.1 | 0.20 | 12.0 |
| 301 - 400 | 0.09 | 5.4 | 0.26 | 16.0 |
| 401 - 500 | 0.12 | 6.7 | 0.33 | 20.0 |
| 501 - 600 | 0.14 | 8.1 | 0.39 | 24.0 |
| 601 - 700 | 0.16 | 9.4 | 0.46 | 28.0 |
| 701 - 800 | 0.19 | 11.0 | 0.52 | 32.0 |
| 801 - 900 | 0.20 | 12.0 | 0.58 | 36.0 |
| 901 - 1000 | 0.23 | 14.0 | 0.65 | 40.0 |
| 1001 - up (3 | | | | |

(1 The amounts shown are based on 12 gpd/head with a 12 month period of use. (i.e. for range cattle, horses and mules). The amount does not include a loss (i.e. thru conveyance, etc.)

2. The amounts shown are based on 35 gpd/head with a 12 month period of use. (i.e. for dairy cattle). The amount does not include a loss. (i.e. thru conveyance, etc. ).

3. For annual use calculations which involve more than 1000 head, round the number of head up to the next even one hundred, and

Volume

a) for livestock use @ 12 gpd/hd, N (0.0134).

b) for dairy use @ 35 gpd/hd, N (0.0391).

Rate

a) for livestock use @ 12 gpd/hd, N (0.00022).

b) for dairy use @ 35 gpd/hd, N (0.00065).

The answer should be rounded up to the nearest whole acre-foot.

*The rate is based upon approx. 2 hr/day diversion to obtain daily requirement.

A. Kenneth Dunn

Attached is the "formal" revised Figure 3 showing the well location at the Tirrell Water Users site. Let me know if you need anything else.

Regards

Pat

Patrick N. Naylor; PE, PG., CWRE

Vice-President, Principal Hydrogeologist

482 Constitution Way, Suite 303, Idaho Falls, ID 83402

E-Mail: patrick.rmea@gmail.com

VOICE: 208-524-2353 ||| Cell: 208-323-4444

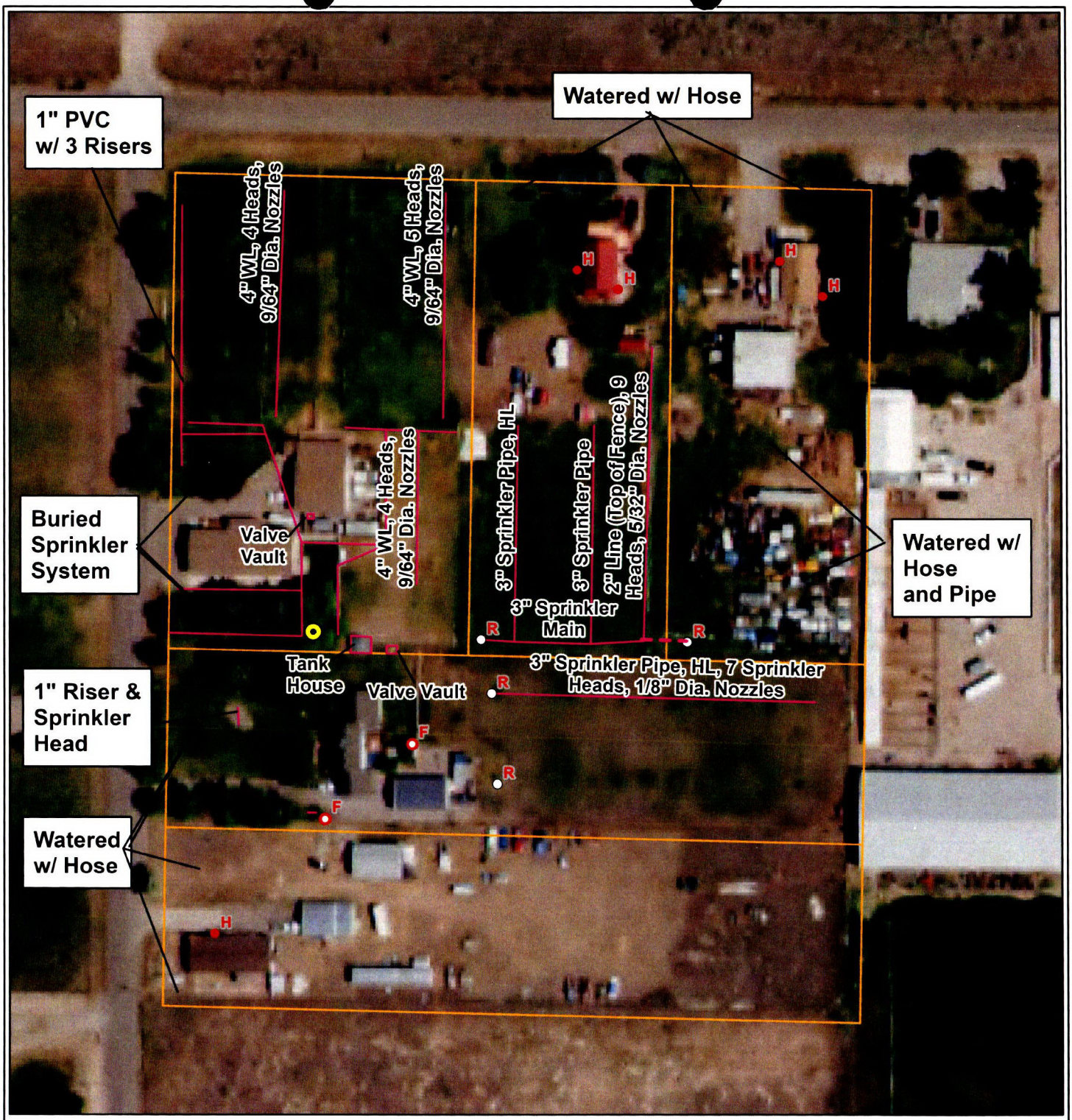


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On Wed, Jul 20, 2022 at 1:20 PM Nelson, Dan <Dan.Nelson@idwr.idaho.gov> wrote:

Patrick,

It isn't a problem. This will work fine. I am planning on preparing a final review memo and order to my supervisor by the end of this week. We are still working on drought related issues, so I can't guarantee that a decision will be formalized anytime soon. My supervisor plans to speak with the Eastern Region manager in




- Well (8" Dia.)
- F: 1" Faucet
- H: 3/4" House Garden Hose Connection
- R: 3" Riser
- Water Lines
- Parcels

N W E S

# Figure 3: Water Distribution System

Tirrell Water Users, Inc.

| | |
|---|---|
| Project #: 21-0271 | |
| Drawn by: AD | |
| Date: 7/20/2022 | |

Rocky Mountain ENVIRONMENTAL ASSOCIATES, INC.

Idaho Falls next week about several issues and asked if I could have this review completed by then to allow them to discuss the situation.

Thank you very much for the quick response and please don't hesitate to contact me if you have any questions.

Respectfully,

Daniel Nelson

Water Right Analyst 3

Idaho Department of Water Resources

Telephone (208) 287-4856

Fax (208) 287-6700 (attn: Dan Nelson)

**From:** Patrick Naylor <patrick.rmea@gmail.com>
**Sent:** Wednesday, July 20, 2022 12:24 PM
**To:** Nelson, Dan <Dan.Nelson@idwr.idaho.gov>
**Cc:** Kristin M. Moore <kristin.rmea@gmail.com>
**Subject:** Revised Figure 3, BUFR for WR Permit 29-07917, Tyrell Water Users Inc.

Hi Dan,

My apologies for missing this on Figure 3 of the Beneficial Use Field Report for the above-referenced water right permit. In the interest of time I am sending a hand-edited revision of Figure 3, showing the location of the well (on the south end of the Brower property, a little WNW of the Tank House). I will ask our figure drafter to make the formal correction when she is available, I will send the revised figure when that is done. It may take a day or two.

Regards

Pat

Patrick N. Naylor; PE, PG., CWRE

Vice-President, Principal Hydrogeologist

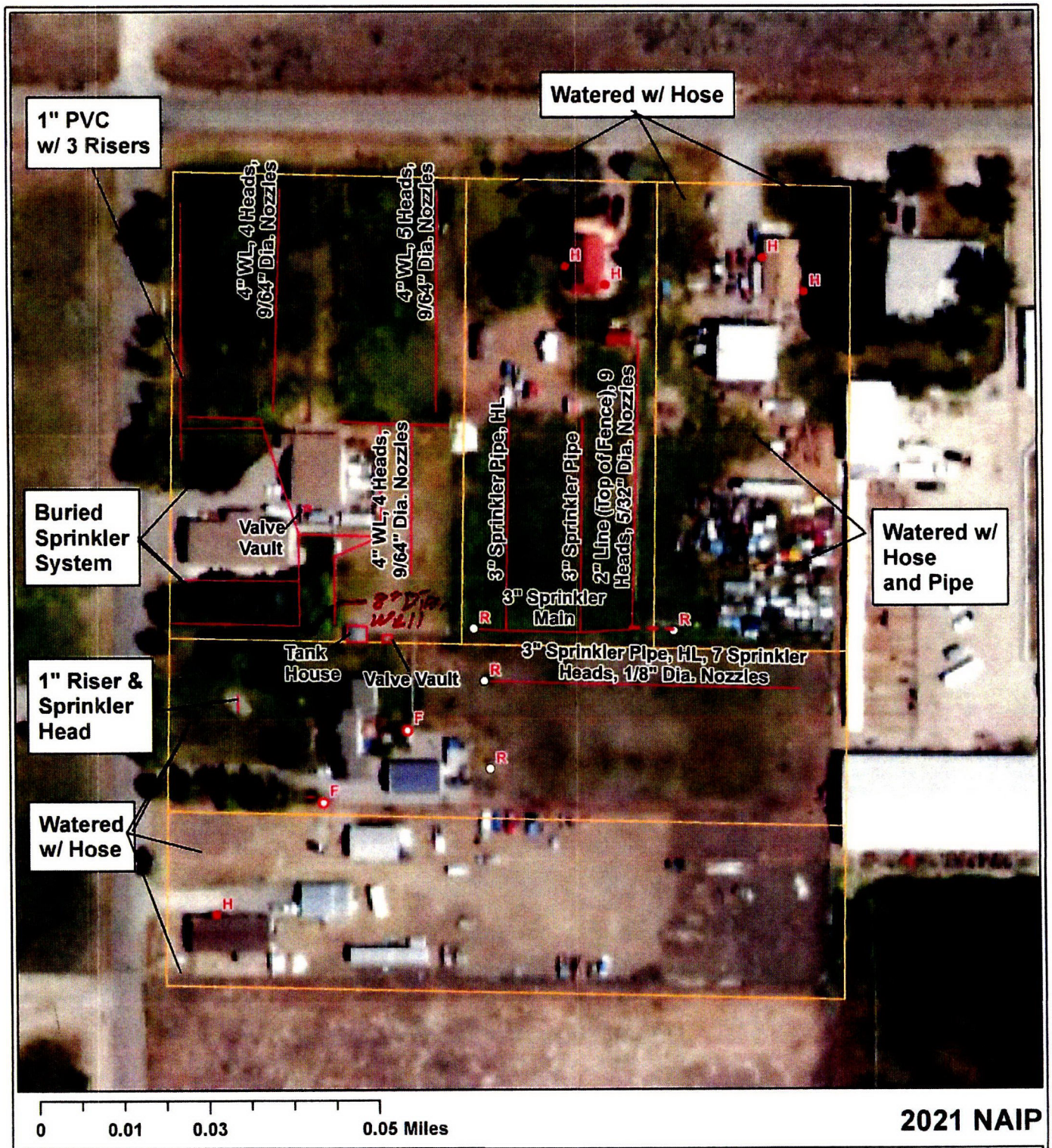
482 Constitution Way, Suite 303, Idaho Falls, ID 83402

E-Mail: patrick.rmea@gmail.com

VOICE: 208-524-2353 ||| Cell: 208-323-4444



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Water Lines

Parcels

F: 1" Faucet

H: 3/4" House Garden Hose Connection

R: 3" Riser

N

W E

S

# Figure 3: Water Distribution System

**Tirrell Water Users, Inc.**

| | |
|---|---|
| Project #: 21-0271 | |
| Drawn by: AD | |
| Date: 5/3/2022 | |

Rocky Mountain ENVIRONMENTAL ASSOCIATES, INC.

Form 219 07/11

RECEIVED
MAY 27 2022
DEPARTMENT OF WATER RESOURCES

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

# BENEFICIAL USE FIELD REPORT

A Beneficial Use Field Report is prepared by a water right examiner as the result of an examination to clearly confirm and establish the extent of the beneficial use of water established in connection with a permit during the development period authorized by the permit and any extensions of time previously approved.

## A. GENERAL INFORMATION

Permit No. 29-07917

1. Owner TIRRELL WATER USERS INC Phone No. 208-547-7396
   Current address 1809 GOVERNMENT RD, POCATELLO, ID 83204
2. Examiner's name Patrick Naylor EXAM DATE April 5, 2022
3. Accompanied by Merlin Kulicke Email mjkulicke@hotmail.com
   Address 1809 Government Rd, Pocatello, Idaho, 83204
   Relationship to permit holder President of Association Phone No. 208-547-7396
4. Source Groundwater tributary to

## B. OVERLAP REVIEW

1. Other water rights with the same place of use None
2. Other water rights with the same source and point of diversion None

## C. DIVERSION AND DELIVERY SYSTEM

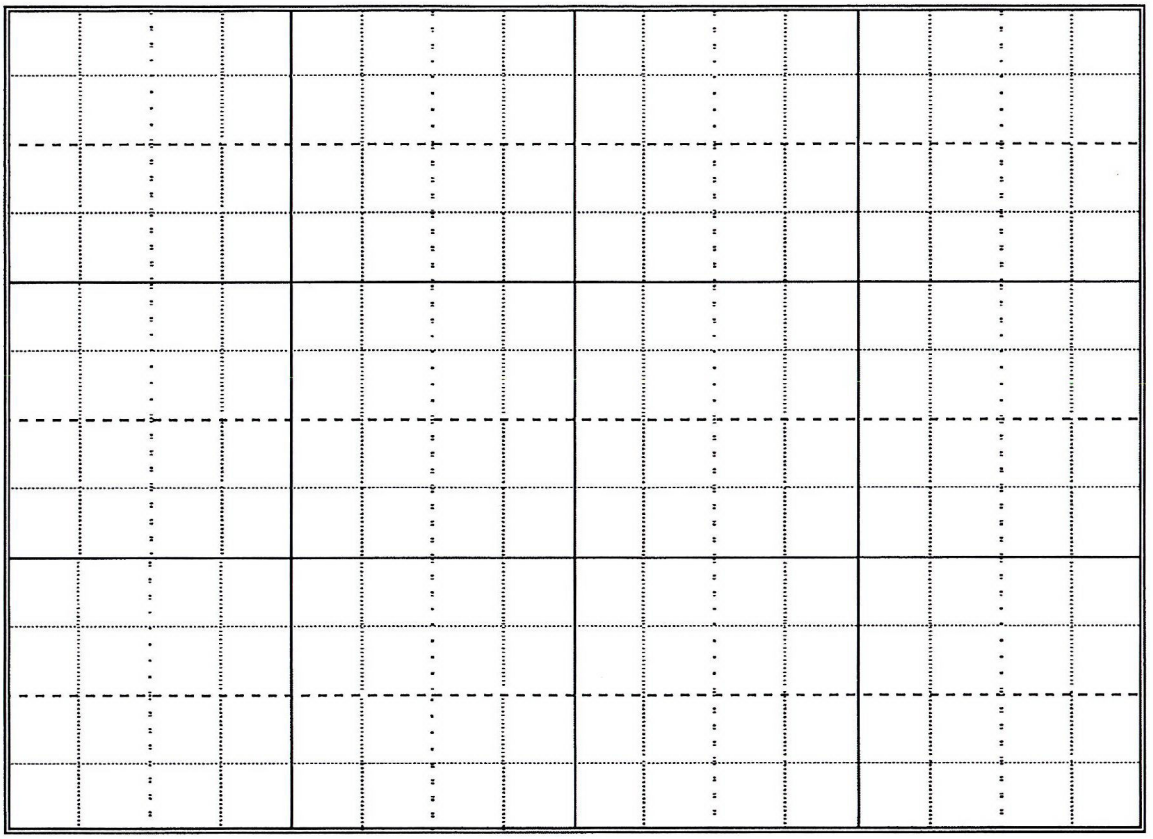
1. **Point(s) of Diversion:**

| Ident. No. | Gov't Lot | ¼ | ¼ | ¼ | Sec | Twp | Rge | County | Method of Determination/Remarks |
|---|---|---|---|---|---|---|---|---|---|
| | | | NE | NW | 2 | 6S | 33E | Power | IDWR Supplied Shapefiles |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

2. **Place(s) of Use:** Method of determination Field verified current practices; historical aerial photo review

| Twp | Rge | Sec | NE | | | | NW | | | | SW | | | | SE | | | | Totals |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | |
| 6S | 33E | 2 | | | | | 5.4 | | | | | | | | | | | | 5.4 |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | 5.4 |

3. **Delivery System Diagram**: Indicate all major components and distances between components. Indicate weir size/ditch size/pipe diameter (inside), as applicable. Use the space provided or ☒ see attached.



*Scale: 1" =* _____

☒ Copy of USGS Quadrangle attached showing location(s) of point(s) of diversion and place(s) of use (**required**)
☒ Aerial photo attached (required for irrigation of 10+ acres)
☒ Photo of diversion and system attached

4.

| **Well or Diversion Identification No.*** | **Motor Make** | **Hp** | **Motor Serial No.** | **Pump Make** | **Pump Serial No. or Discharge Size** |
|---|---|---|---|---|---|
| Well ID 392645 | Grundfos | 5.0 | | Grundfos | 2-inch discharge |
| | MS4000 Series | | | 60S50-9 | |
| See Attachment C for | Pump Curve | | | | |

****Code to correspond with no. on map and aerial photo***

**D. FLOW MEASUREMENTS**

1.

| **Measurement Equipment** | **Type** | **Make** | **Model No.** | **Serial No.** | **Size** | **Calib. Date** |
|---|---|---|---|---|---|---|
| Estimated based on pump curve | | | | | | |
| and sprinkler nozzle diameters | Attach. D | | | | | |

2. **Measurements:** _____

Flow was estimated 1) based on estimated well drawdown, initial static groundwater level from well log, irrigation system pressure observed during operation, and well pump model curve; and 2) based on sprinkler head nozzle diameter capacities for the largest irrigation lines in the system.

**E. NARRATIVE/REMARKS/COMMENTS**

The Tirrell Water Users Inc. (TWUI) water system consists of one 8-inch diameter well, 150 ft deep and open to the aquifer at the bottom of the well; a cinder block building with five, WellXTrol model Wx-255, 81-gal capacity hydropneumatic tanks. From the well, water is pumped directly to the tank building, and from there to the distribution lines shown in the attached Figure 3. Water lines also go directly to each house for domestic use (not shown). Irrigation lines include three 4-inch wheel lines (Brower property), three 3-inch hand lines (two on Farrell property, one on Kulicke property), two 2-inch fence-mounted lines (one on Brower property, one on fence between Farrell and Potter properties), one 1-inch line laying directly on the ground (Brower property), One 1-inch fixed riser (Kulicke house lawn), three 1-inch spigots (Kulicke house), a buried lawn sprinkler system (Brower house lawn), and six house faucets (two on Potter house, two on Farrell house, two on Turinbeauch house). Stock grazing (horses, cattle, goats) occurs on much of the property. Two buried valve boxes control and isolate flow to the buried irrigation mains.

Proof of Beneficial Use for TWUI is unusual because a mix-up resulted in no water right being issued in the original proof year of 1992. No Statement of Completion was submitted at that time, but the TWUI manager at the time left without following through. The other TWUI members were unaware of the requirement for demonstrating beneficial use, therefore no proof was prepared and no water right was issued by IDWR. Meanwhile, the TWUI members continued to use the water under the mistaken belief that their water right had been secured.

The existing water system had no mechanism for direct measurement of flowrate, so the capacity of the well pump was estimated. The total pump system head was estimated by observing the pressure in the system (see Photos) when the highest-capacity irrigation line was in use (42 psi = 97 ft head) + estimated well drawdown (difference between pre-pumping pressure of 55 psi = 127 ft head and pumping pressure = 127 ft - 97 ft = 30 ft) + estimated depth to static water level (28 feet on well driller report from March 1977). Pressure system was estimated to be 97 ft + 30 ft + 28 ft = 155 ft. (Friction losses were disregarded.) From the attached pump curve for the well pump, the estimated pump capacity is 75 gpm = 0.17 cfs. Note, no information was available on the original pump.

Field observation of irrigation pumping occurred on April 5, 2022. Each of the irrigation water systems was observed to pump, with the exception of some of the house faucets used to irrigate domestic lawns by hose. Impact sprinkler head nozzle sizes were checked, and the number of impact sprinkler heads were counted for each line.

Has the permit holder met all conditions of permit approval, including any mitigation requirements and/or measuring device installation requirements? ☐ Yes ☒ No If no, what must be done to meet the permit requirements?

Proof was not submitted by August 1, 1992 as required in the original permit. The reasons for this are explained in the paragraph above. This BUFR was prepared to bring the water users into compliance.

**F. FLOW CALCULATIONS** ☒ Additional computation sheets attached

Measured Method:

See Attachment E, Calculations Sheet. Note that it was not possible to estimate pumping from power demand in 1992 because neither TWUI nor Idaho Power had retained records going back that far. Current power records were available, but served no purpose without the historical pumping records with which to compare to verify the diversion quantities were the same.

**G. VOLUME CALCULATIONS**

1. Volume Calculations for Irrigation:

$V_{I.R}$ = (Acres Irrigated) x (Irrigation Requirement) = 5.4 ac x 4.0 ac-ft/ac/yr = 21.6 ac-ft/yr

$V_{D.R}$ = [Diversion Rate (cfs)] x (Days in Irrigation Season) x 1.9835 = 0.11 cfs x 214 days x 1.9835 = 46.7 ac-ft/yr

V = Smaller of $V_{I.R.}$ and $V_{D.R.}$ = 21.6 ac-ft/yr

2. Volume Calculations for Other Uses:

Domestic: 5 homes x 0.6 afa/home = 3 afa

**H. RECOMMENDATIONS**

**1. Recommended Amounts**

| Beneficial Use | Period of Use From | Period of Use To | Rate of Diversion Q (cfs) | Annual Volume V (afa) |
|---|---|---|---|---|
| Irrigation | Apr 1 | Oct 31 | 0.11 | 21.6 |
| Domestic | Jan 1 | Dec 31 | 0.11 | 3.0 |
| Stockwater | Jan 1 | Dec 31 | 0.02 | 13,000 gpd |
| | | | | |
| | | | | |
| | | **Totals:** | 0.17 | 24.6 |

**2. Recommended Amendments**

☐ Change P.D. as reflected on page 1 ☐ Add P.D. as reflected on page 1 ☐ None

☐ Change P.U. as reflected on page 1 ☐ Add P.U. as reflected on page 1 ☐ Other

**I. AUTHENTICATION**

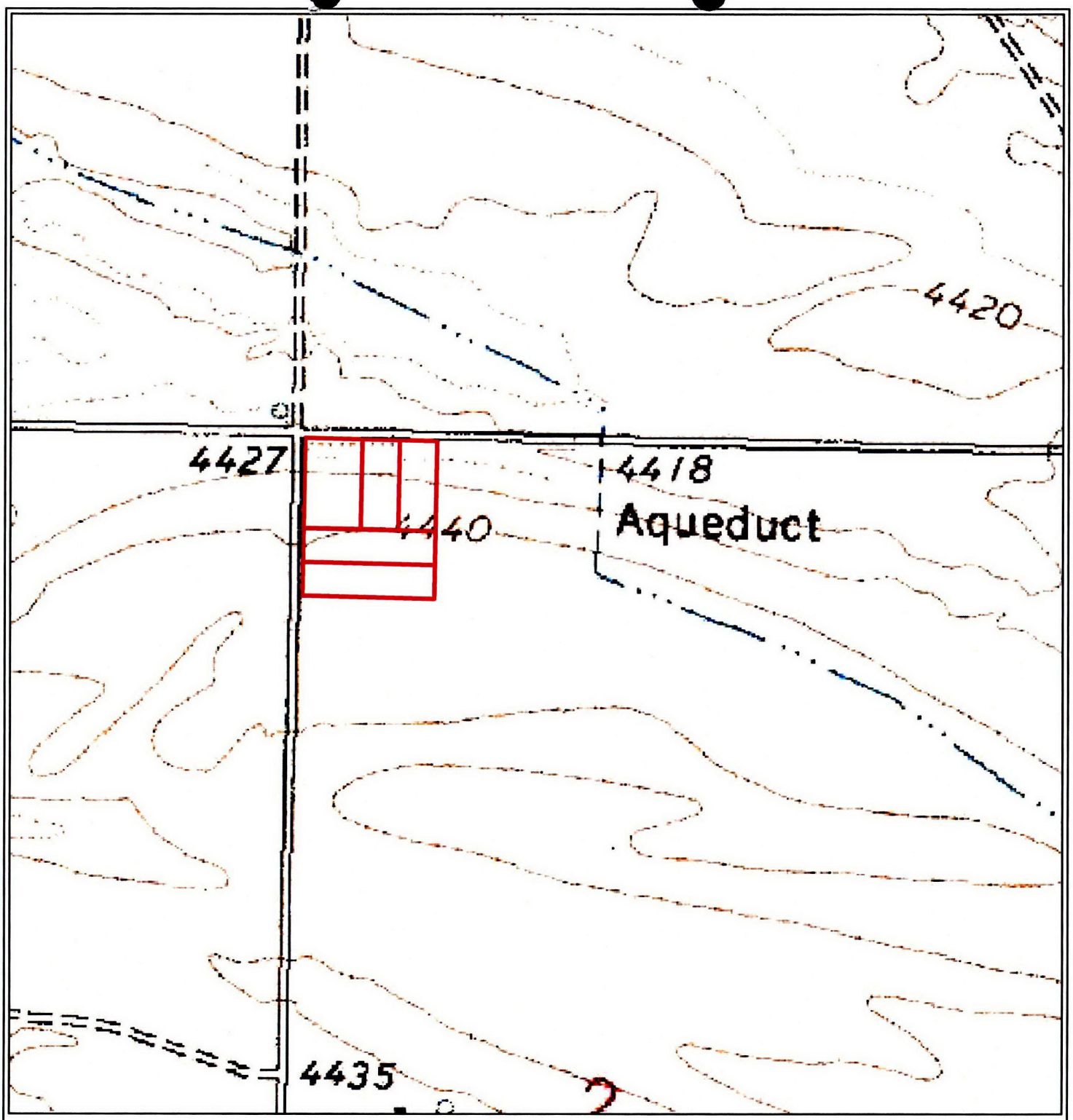
Field Examiner's Signature Patrick M. Maylon Date May 3, 2022

PROFESSIONAL ENGINEER REGISTERED 7406 STATE OF IDAHO PATRICK M. MAYLON 5/3/22

SEAL

Reviewer _____ Date _____

# ATTACHMENT A – AERIALS, TOPOGRAPHIC MAP, SYSTEM LAYOUT




0 0.07 0.15 0.3 Miles

**Contour Interval: 10ft**

Parcels

USGS Topographic Map 1971, photoinspected 1974, 7.5-minute series, Michaud, Idaho

N W E S

# Figure 1: Topographic Map

Tirrell Water Users, Inc.

| | |
|---|---|
| Project #: 21-0271 | |
| Drawn by: AD | |
| Date: 5/3/2022 | |

Rocky Mountain ENVIRONMENTAL ASSOCIATES, INC.




0 0.02 0.04 0.07 Miles

2021 NAIP

Parcels
Twn & Rng
Section
QQ

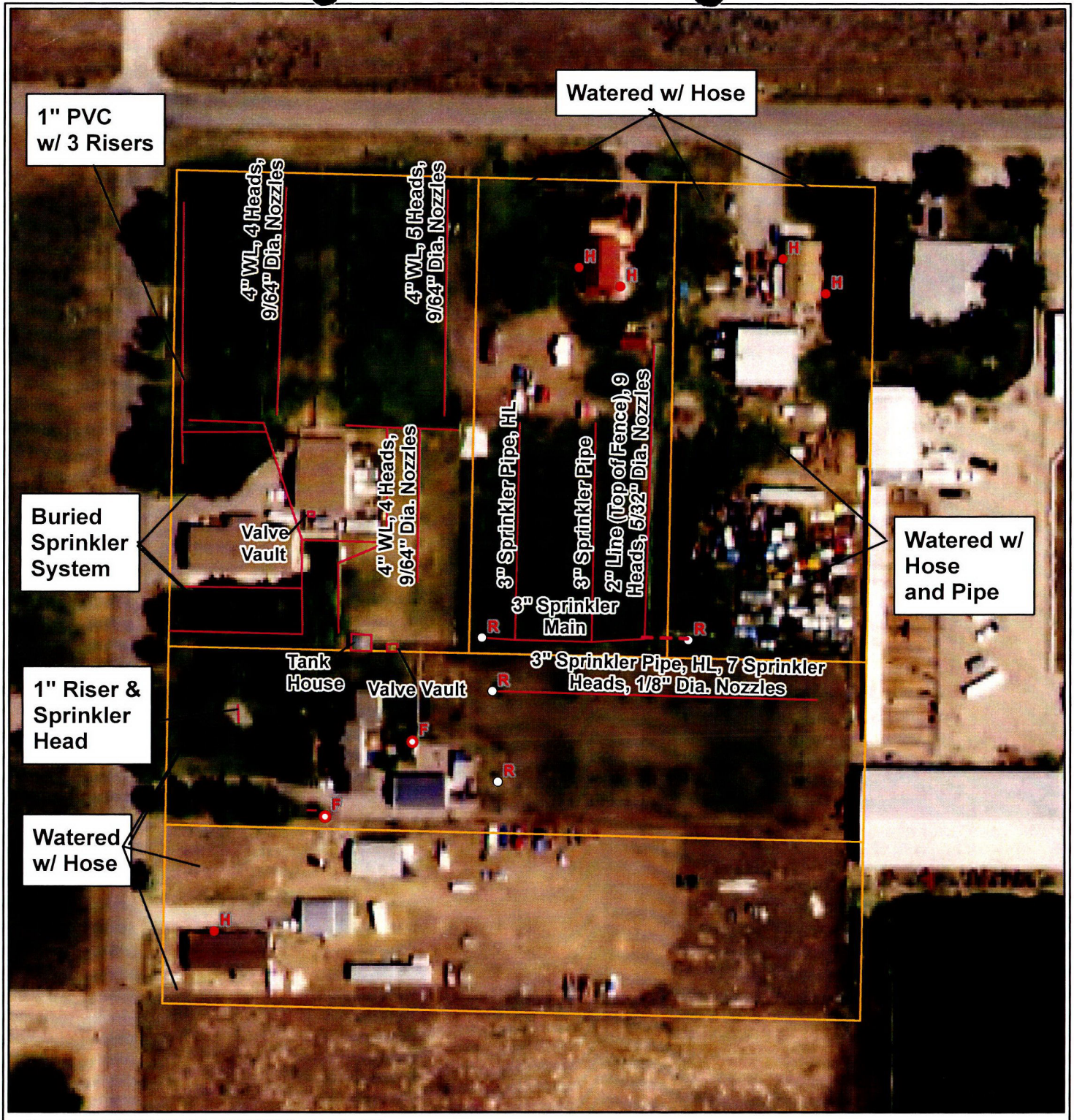
N
W E
S

# Figure 2: Parcel Ownership

Tirrell Water Users, Inc.

| | |
|---|---|
| Project #: 21-0271 | |
| Drawn by: AD | |
| Date: 5/3/2022 | |

Rocky Mountain ENVIRONMENTAL ASSOCIATES, INC.




0 0.01 0.03 0.05 Miles

2021 NAIP

- Water Lines
- Parcels
- F: 1" Faucet
- H: 3/4" House Garden Hose Connection
- R: 3" Riser

N W E S

# Figure 3: Water Distribution System

Tirrell Water Users, Inc.

| | |
|---|---|
| Project #: 21-0271 | |
| Drawn by: AD | |
| Date: 5/3/2022 | |

Rocky Mountain ENVIRONMENTAL ASSOCIATES, INC.



0 0.02 0.04 0.07 Miles

1993 Google Earth Image

1993 Irrigated Acres (POU, 5.4 ac)

Parcels

# Figure 4: Historical Aerial 1993

Tirrell Water Users, Inc.

N W E S

| | |
|---|---|
| Project #: 21-0271 | |
| Drawn by: AD | |
| Date: 5/3/2022 | |

Rocky Mountain ENVIRONMENTAL ASSOCIATES, INC.



0 0.02 0.04 0.07 Miles

2004 NAIP

2004 Irrigated Acres
Parcels

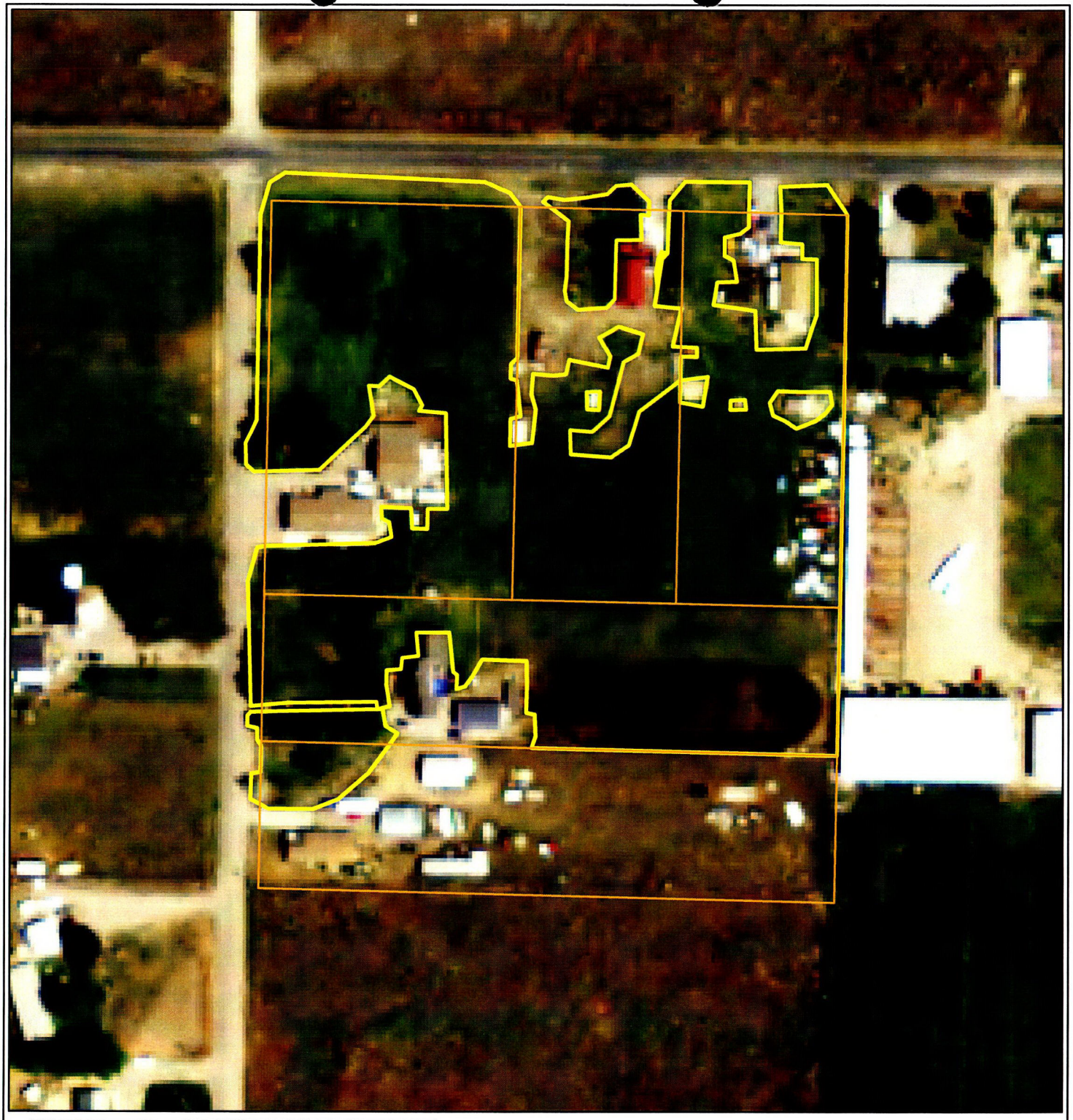
N
W E
S

# Figure 5: Historical Aerial 2004

Tirrell Water Users, Inc.

| | |
|---|---|
| Project #: 21-0271 | |
| Drawn by: AD | |
| Date: 5/3/2022 | |

Rocky Mountain ENVIRONMENTAL ASSOCIATES, INC.



0 0.02 0.04 0.07 Miles

2011 NAIP

2011 Irrigated Acres
Parcels

# Figure 6: Historical Aerial 2011

Tirrell Water Users, Inc.

N
W E
S

| | |
|---|---|
| Project #: 21-0271 | |
| Drawn by: AD | |
| Date: 5/3/2022 | |

Rocky Mountain ENVIRONMENTAL ASSOCIATES, INC.



0 0.02 0.04 0.07 Miles

2019 NAIP

2019 Irrigated Acres
Parcels

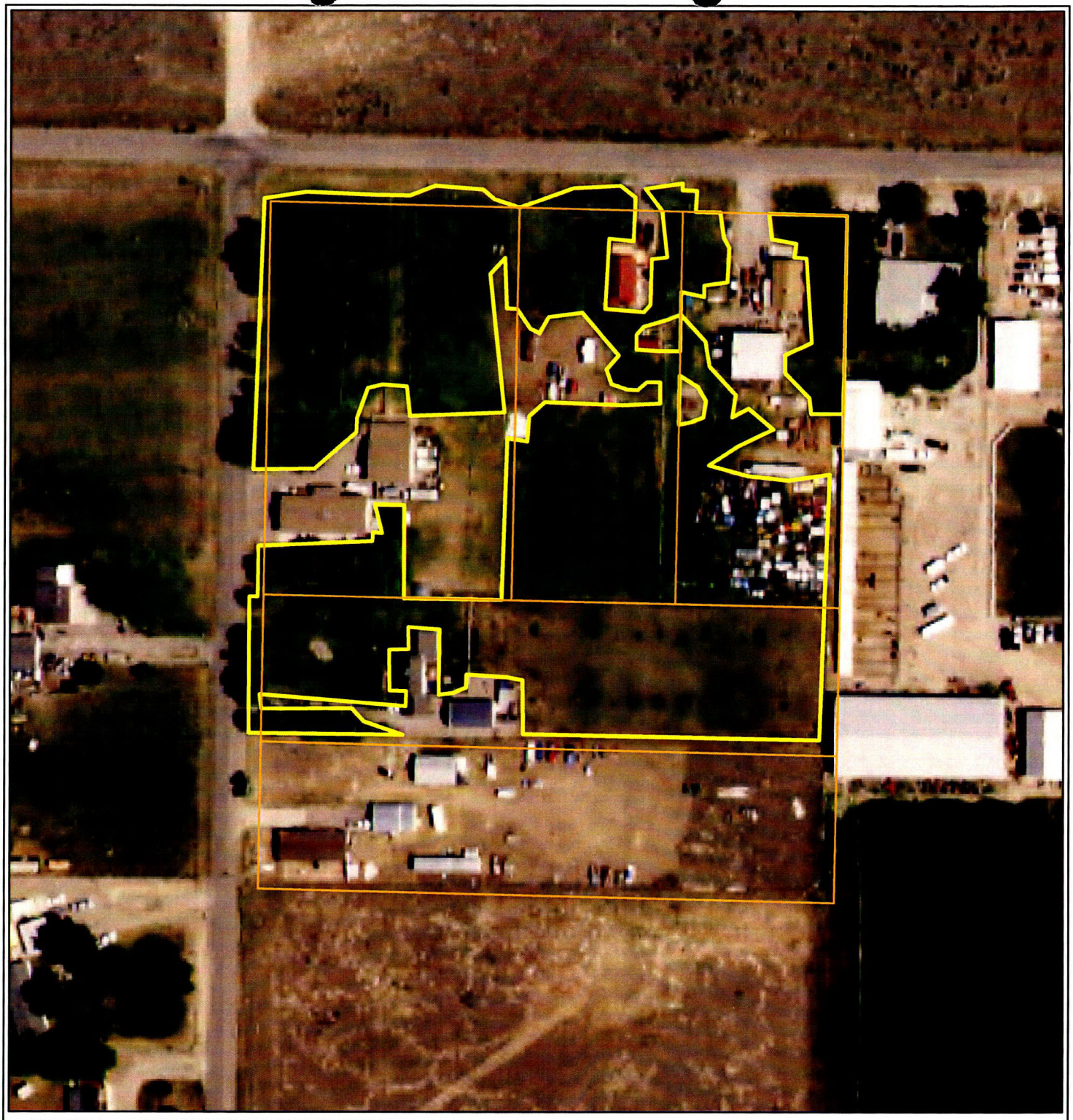
N
W E
S

# Figure 7: Historical Aerial 2019

Tirrell Water Users, Inc.

| | |
|---|---|
| Project #: 21-0271 | |
| Drawn by: AD | |
| Date: 5/3/2022 | |

Rocky Mountain ENVIRONMENTAL ASSOCIATES, INC.



0 0.02 0.04 0.07 Miles

2021 NAIP

2021 Irrigated Acres
Parcels

# Figure 8: Historical Aerial 2021

Tirrell Water Users, Inc.

N
W E
S

| | |
|---|---|
| Project #: 21-0271 | |
| Drawn by: AD | |
| Date: 5/3/2022 | |

Rocky Mountain ENVIRONMENTAL ASSOCIATES, INC.

# ATTACHMENT B – SITE PHOTOGRAPHS



**Photo 1. Tirrell Water Users Inc. well on Brower property, viewing north.**



**Photo 2. Hose sprinkler on west end of Kulicke pasture. Note pneumatic tank house in background.**



**Photo 3. Entrance of 3-inch line from well into tank house.**

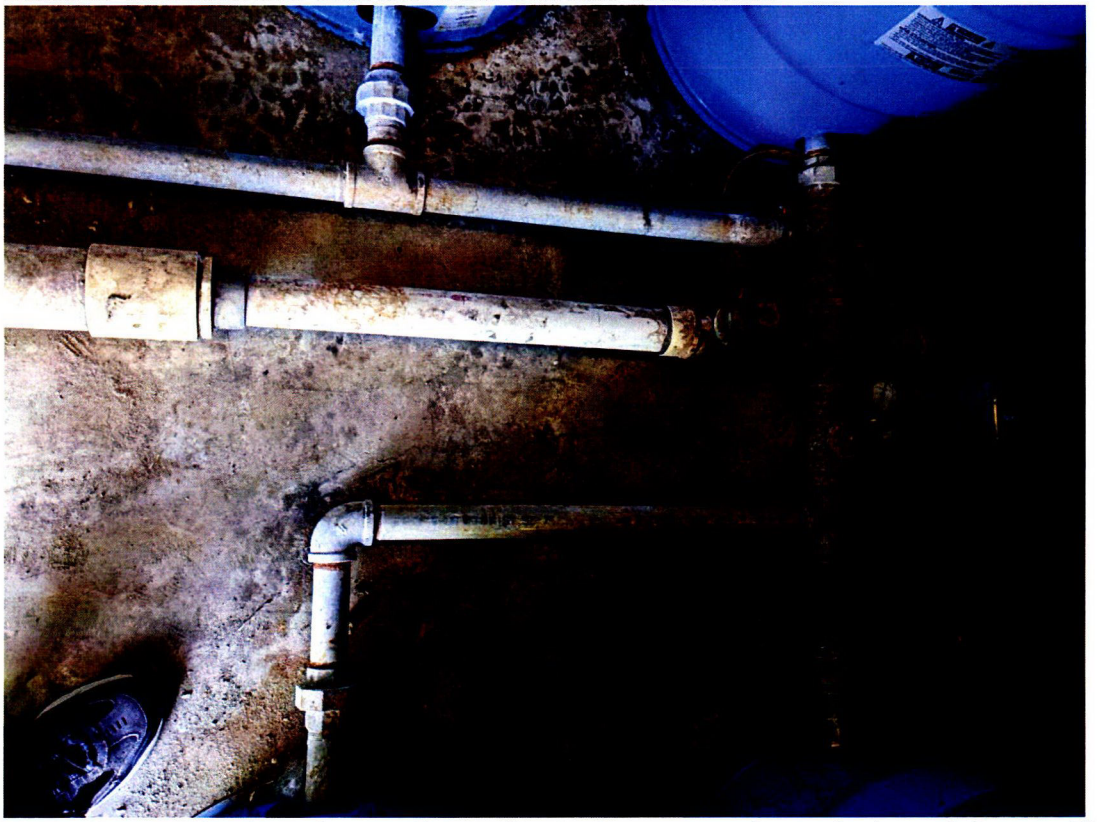


**Photo 4. Manifolding of water line to five hydropneumatics tanks in tank house. Note pressure switch and gage.**

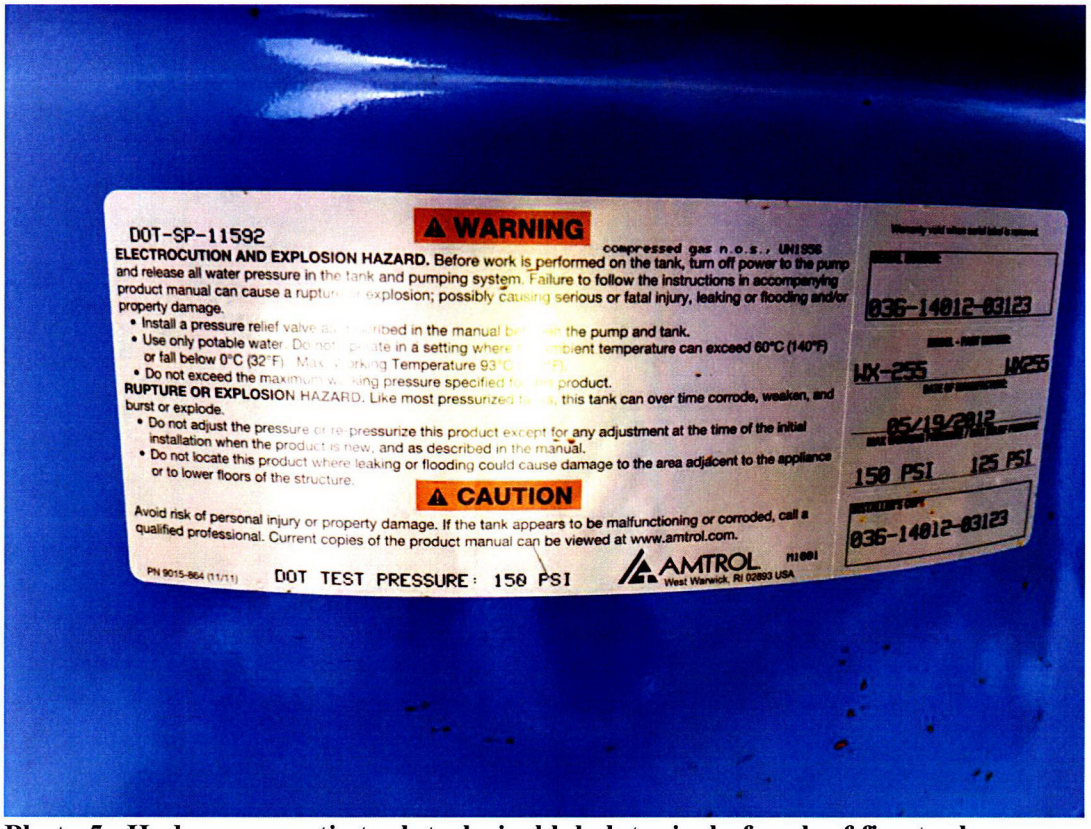



**Photo 5. Hydropneumatic tank technical label, typical of each of five tanks.**




**Photo 6. Three tanks on north side of tank building interior.**




**Photo 7. Two tanks on south side of tank building interior.**




**Photo 8. Technical label for submersible well pump.**

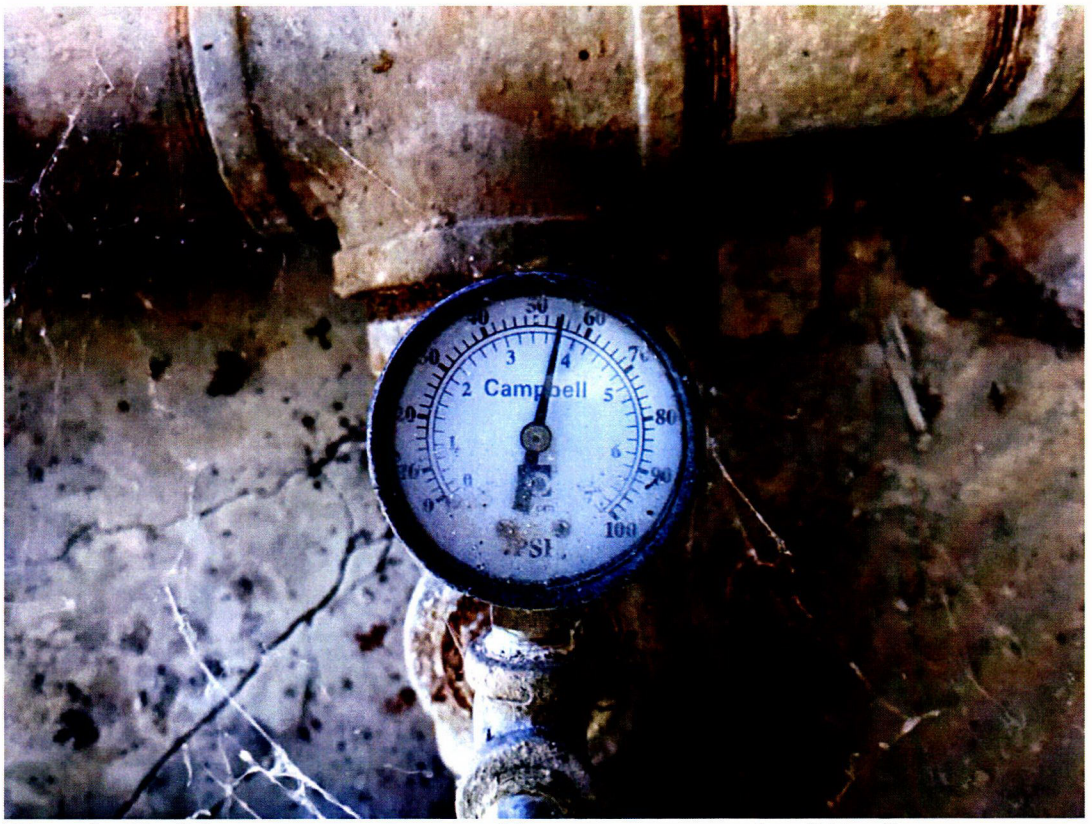



**Photo 9. Tank house pressure gage with no systems running (55 psi).**



**Photo 10. Tank house pressure gage with largest system running (42 psi).**



**Photo 11. Brower west pasture wheel line in operation, viewing northwest.**



**Photo 12. Brower east pasture wheel line in operation, viewing northeast.**



**Photo 13. Brower southeast pasture wheel line, viewing east.**



**Photo 14. Kulicke yard center riser, viewing west.**

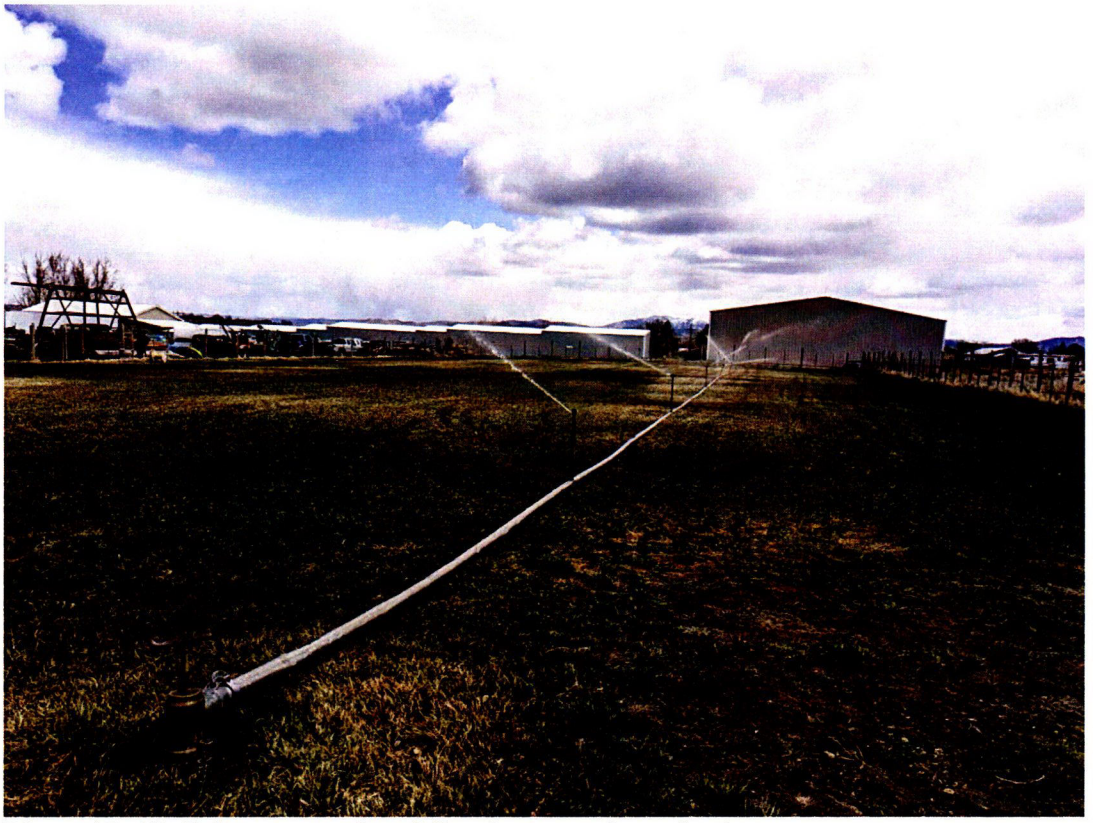


**Photo 15. Kulicke pasture hand line in operation, viewing east.**



**Photo 16. Fence between Farrell and Potter pastures, fence mounted line in operation, viewing north.**



**Photo 17. Farrell pasture, livestock, and hand line, viewing northwest.**



**Photo 18. Potter pasture and hose, viewing north.**



**Photo 19. Kulicke hose bib on south side of yard.**

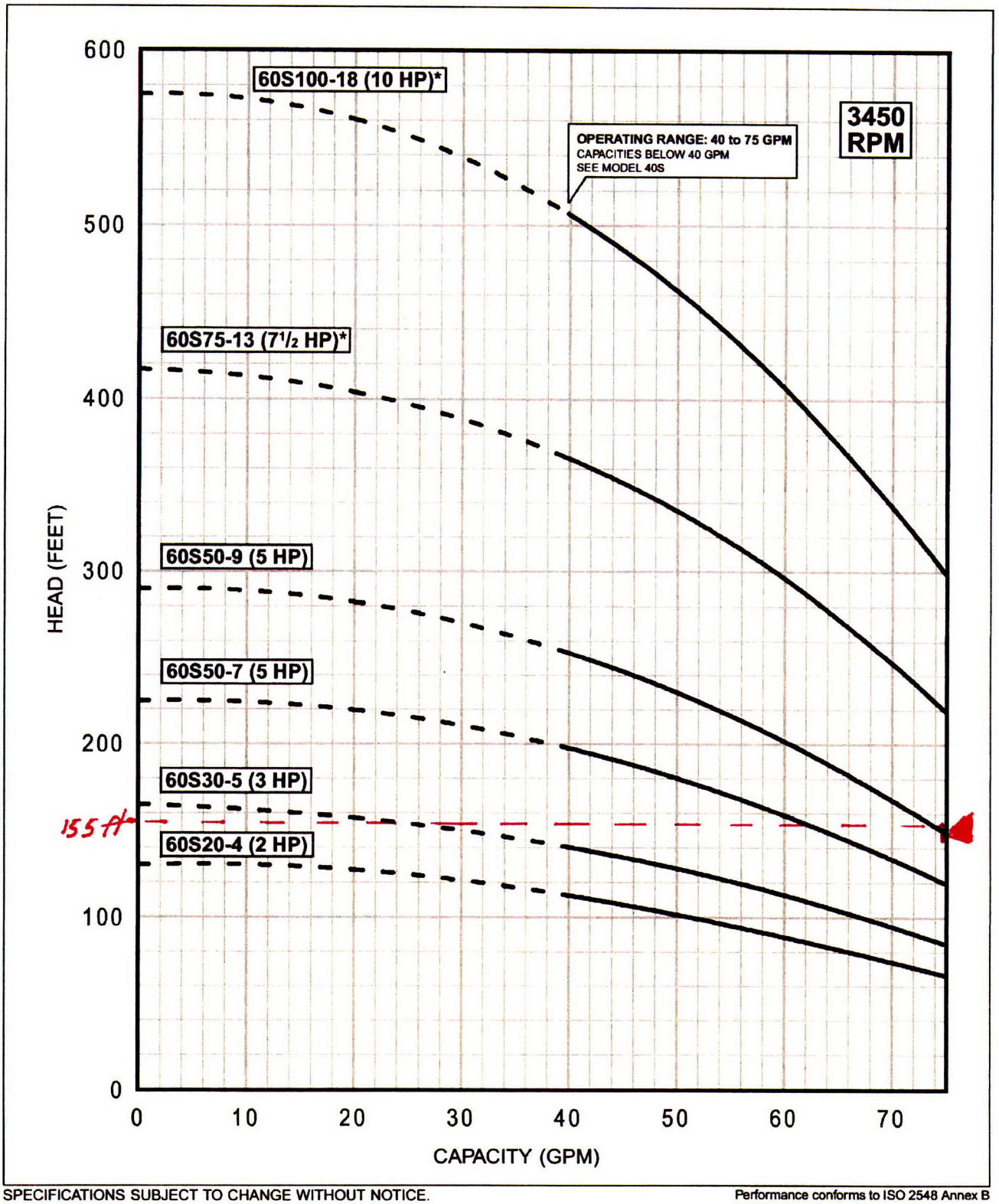


**Photo 20. Turinbeauch house and field, viewing southwest.**

# ATTACHMENT C – PUMP CURVE

# Model 60S — 60 GPM — Performance Curves

**FLOW RANGE: 40 -75 GPM** **OUTLET SIZE: 2 " NPT** **NOMINAL DIA. 4"**




SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
* Also available with 6" motor.

Performance conforms to ISO 2548 Annex B
@ 5 ft. min. submergence.

GRUNDFOS

# ATTACHMENT D – SPRINKLER NOZZLE CAPACITIES

RAIN BIRD®

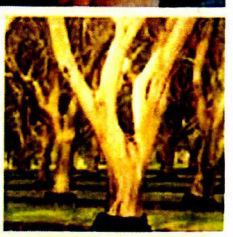
# Agricultural Irrigation Products

## 2014-2015 Catalog







A Legacy of Agricultural Innovation

IRRIGATION-MART
we SAVVY irrigation

## 20JH

1/2" 13mm Full Circle, Brass Impact Sprinkler

- Durable brass die-cast arm
- Stainless steel springs and fulcrum pin
- Corrosion and grit resistant

### Features

- Chemically resistant PTFE washers

### Benefits

- Spoon drive arm runs on larger nozzles and higher pressures
- Built to last
- Five-year Customer Satisfaction Policy

### Specifications

- Bearing: 1/2" Male NPT, Brass
- Trajectory Angle: 23°
- Operating Range: 35-60 psi 2.4-4.1 bar
- Flow Rate: 2.05.47 gpm 0.47-1.24 m³/h
- Radius: 38-44 ft. 11.6-13.4 meters
- One 1/8" Female NPT Nozzle Port



### Straight Bore Nozzle (SBN-1) Performance*

| psi @ Nozzle | NOZZLE SIZE (Stream Height: 6 ft.) 7/64" Rad. | 7/64" gpm | 1/8" Rad. | 1/8" gpm | 9/64" Rad. | 9/64" gpm | 5/32" Rad. | 5/32" gpm |
|---|---|---|---|---|---|---|---|---|
| 35 | 38 | 2.05 | 38 | 2.68 | 39 | 3.39 | 39 | 4.19 |
| 40 | 38 | 2.19 | 39 | 2.86 | 40 | 3.62 | 39 | 4.47 |
| 45 | 39 | 2.32 | 39 | 3.03 | 40 | 3.84 | 40 | 4.73 |
| 50 | 39 | 2.45 | 39 | 3.20 | 40 | 4.05 | 40 | 5.00 |
| 55 | 39 | 2.57 | 40 | 3.35 | 40 | 4.24 | 40 | 5.23 |
| 60 | 39 | 2.68 | 40 | 3.50 | 41 | 4.43 | 41 | 5.47 |

### Straight Bore Nozzle with Vane (SBN-1V)*

| psi @ Nozzle | NOZZLE SIZE (Stream Height: 7 ft.) 1/8" Rad. | 1/8" gpm | 9/64" Rad. | 9/64" gpm | 5/32" Rad. | 5/32" gpm |
|---|---|---|---|---|---|---|
| 35 | 39 | 2.68 | 41 | 3.39 | 42 | 4.19 |
| 40 | 40 | 2.86 | 41 | 3.62 | 42 | 4.47 |
| 45 | 40 | 3.03 | 42 | 3.84 | 42 | 4.73 |
| 50 | 41 | 3.20 | 42 | 4.05 | 43 | 5.00 |
| 55 | 41 | 3.35 | 43 | 4.24 | 43 | 5.23 |
| 60 | 41 | 3.50 | 43 | 4.43 | 44 | 5.47 |

### Straight Bore Nozzle (SBN-1) Performance* METRIC

| bar@ Nozzle | NOZZLE SIZE (Stream Height: 1.8m) 2.78 mm (7/64") Rad. (m) | Flow (lps) | Flow (m³/h) | 3.18 mm (1/8") Rad. (m) | Flow (lps) | Flow (m³/h) | 3.57 mm (9/64") Rad. (m) | Flow (lps) | Flow (m³/h) | 3.97 mm (5/32") Rad. (m) | Flow (lps) | Flow (m³/h) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2.4 | 11.6 | 0.13 | 0.47 | 11.7 | 0.17 | 0.61 | 12.0 | 0.21 | 0.77 | 12.0 | 0.26 | 0.95 |
| 2.5 | 11.6 | 0.13 | 0.47 | 11.8 | 0.17 | 0.62 | 12.1 | 0.22 | 0.78 | 12.0 | 0.27 | 0.97 |
| 3.0 | 11.8 | 0.14 | 0.52 | 12.0 | 0.19 | 0.68 | 12.2 | 0.24 | 0.86 | 12.1 | 0.29 | 1.06 |
| 3.5 | 11.9 | 0.16 | 0.56 | 12.1 | 0.20 | 0.73 | 12.3 | 0.26 | 0.93 | 12.3 | 0.32 | 1.14 |
| 4.0 | 12.0 | 0.17 | 0.60 | 12.2 | 0.22 | 0.78 | 12.4 | 0.27 | 0.99 | 12.4 | 0.34 | 1.22 |
| 4.1 | 12.0 | 0.17 | 0.61 | 12.2 | 0.22 | 0.79 | 12.5 | 0.28 | 1.01 | 12.5 | 0.35 | 1.24 |

### Straight Bore Nozzle with Vane (SBN-1V)* METRIC

| bar@ Nozzle | NOZZLE SIZE (Stream Height: 2.1m) 3.18 mm (1/8") Rad. (m) | Flow (lps) | Flow (m³/h) | 3.57 mm (9/64") Rad. (m) | Flow (lps) | Flow (m³/h) | 3.97 mm (5/32") Rad. (m) | Flow (lps) | Flow (m³/h) |
|---|---|---|---|---|---|---|---|---|---|
| 2.4 | 12.0 | 0.17 | 0.61 | 12.5 | 0.21 | 0.77 | 12.8 | 0.26 | 0.95 |
| 2.5 | 12.1 | 0.17 | 0.62 | 12.5 | 0.22 | 0.78 | 12.8 | 0.27 | 0.97 |
| 3.0 | 12.3 | 0.19 | 0.68 | 12.8 | 0.24 | 0.86 | 13.0 | 0.29 | 1.06 |
| 3.5 | 12.5 | 0.20 | 0.73 | 13.0 | 0.26 | 0.93 | 13.1 | 0.32 | 1.14 |
| 4.0 | 12.5 | 0.22 | 0.78 | 13.2 | 0.27 | 0.99 | 13.3 | 0.34 | 1.22 |
| 4.1 | 12.5 | 0.22 | 0.79 | 13.3 | 0.28 | 1.01 | 13.4 | 0.35 | 1.24 |

* Available without Nozzle or Assembled with either a 7/64" (07) or 1/8" (08) Straight Bore Nozzle. **All other Nozzles must be purchased separately.** See Chart below.

## Part Numbers and Ordering Information

| Sprinkler Only | |
|---|---|
| Sprinkler without Nozzle | A05840 |

| Assembled Sprinkler/Nozzle Factory Combination | |
|---|---|
| Sprinkler with Nozzle **SBN-1** 7/64" | A0584107 |
| Sprinkler with Nozzle **SBN-1** 1/8" | A0584108 |

| Nozzle Only | | | XX = Nozzle Size | | | |
|---|---|---|---|---|---|---|
| | | U.S. Standard | 7/64" | 1/8" | 9/64" | 5/32" |
| | | Metric | 2.78 mm | 3.18 mm | 3.57 mm | 3.97 mm |
| Brass Straight Bore Nozzle | SBN-1 | 105780-XX | **07** | 08 | 09 | 10 |
| Brass Straight Bore Nozzle with Vane | SBN-1-V | 106160-XX | – | 08 | 09 | 10 |

Bold nozzle size numbers denote the most common nozzle choices.

# ATTACHMENT E – CALCULATIONS

**Calculations**

1. Pump capacity from pump curve (Grundfos MS4000 Model 60S50-9, 5.0 HP 50 Hz):
    a. System pressure
        i. From pressure gage in tank house, pre-pumping head P1 (should reflect static pressure) = 55 psi x 2.31 ft/psi = 127 ft
        ii. From pressure gage in tank house, pumping pressure head P2 while pumping largest capacity irrigation line = 42 psi x 2.31 ft/psi = 97 ft
    b. Drawdown head (h) = P1 – P2 = 127 ft – 97 ft = 30 ft
    c. Static water level (SWL) from attached well log = 28 ft (estimated)
    d. Total Dynamic Head (TDH) while pumping:
        i. P2 + h + SWL = 97 ft + 30 ft + 28 ft = 155 ft
    e. From attached pump curve, pumping rate Qp at 155 ft TDH
    f. Pump capacity Qp = 75 gpm/448.8 gpm/cfs = **0.17 cfs**
2. Allowable diversion rate = 0.02 cfs per acre.
    a. Historical irrigation is estimated at 5.4 acres.
    b. 5.4 acres x 0.02 cfs/acre = **0.11 cfs**.
    c. The allowable diversion rate is less than the pump capacity, therefore the pump system is adequate for the allowable diversion rate.
3. Flowrate from nozzles:
    a. Largest discharge lines are:
        i. 2-inch fence-mounted line, 9 impact sprinkler heads, 5/32-inch nozzles
            1. From attached rainbird nozzle chart,
                a. At 40 psi, discharge rate per nozzle $q_n$ = 4.47 gpm
                b. At 45 psi, $q_n$ = 4.73 gpm
                c. At 42 psi, $q_n$ = 4.47 + [(4.73 – 4.47) x 2/5] = 4.57 gpm
            2. 9 nozzles x 4.57 gpm/nozzle = 41.1 gpm = 0.092 cfs
        ii. 4-inch wheel line, 5 impact sprinkler heads, 9/64-inch nozzles
            1. From attached rainbird nozzle chart,
                a. At 40 psi, $q_n$ = 3.62 gpm

b. At 45 psi, $q_n$ = 3.84 gpm

c. At 42 psi, $q_n$ = 3.62 +[(3.84 – 3.62) x 2/5] = 3.71 gpm

2. 5 nozzles at 3.71 gpm/nozzle = 18.6 gpm = 0.041 cfs

iii. 4-inch wheel line, 4 impact sprinkler heads, 9/64-inch nozzles (there are two identical lines)

1. As above, each nozzle will discharge 3.71 gpm at 42 psi

2. 4 nozzles x 3.71 gpm/nozzle = 14.84 gpm = 0.033 cfs

iv. One 3-inch hand line, seven impact sprinkler heads, 1/8-inch nozzles

1. From attached Rainbird chart,

a. At 40 psi, $q_n$ = 2.86 gpm

b. At 45 psi, $q_n$ = 3.03 gpm

c. At 42 psi, $q_n$ = 2.86 + [(3.03 – 2.86) x 2/5] = 2.93 gpm

2. 7 nozzles x 2.93 gpm/nozzle = 20.5 gpm = 0.046 cfs

v. No individual system exceeds the allowable diversion rate of 0.11 cfs.

vi. Various combinations of systems can be run without exceeding 0.11 cfs. For example, two 4-nozzle wheel lines (2 x 0.033 cfs) + one 5-nozzle wheel line (0.041 cfs) = 0.107 cfs.

# FILE RECREATED

# FROM SCANNED DOCUMENTS

I certify that file No. 29-7917

has been reviewed and is ready to be MICROFILMED

and DESTROYED.

Brenda Miller
Signature

12-24-92
Date

The attached proof report is the water right as it appeared in the database prior to the final status and deletion from the database.

August 5, 1992

TIRRELL WATER USERS INC.
1809 GOVERNMENT RD.
POCATELLO ID 83202

LAPSE NOTICE

RE: PERMIT NO. 29-07917

Dear Permit Holder:

You are hereby notified that under the provisions of Section 42-216A, Idaho Code, the above referenced permit has lapsed and is of no further force nor effect. The department provided the proper forms to you in our proof due notice dated May 31, 1992. No further construction or additional development is authorized under this permit unless it is reinstated.

The permit can only be reinstated if you submit an acceptable proof of beneficial use or an acceptable request for extension of time to the department within sixty (60) days of the mailing of this lapse notice. An acceptable proof of beneficial use submittal must include the examination fee or a completed field examination report. A request for extension of time must be accompanied by a fifteen dollar ($15) fee.

Enclosed again for your use are a proof of beneficial use form and a request for extension of time form. Please note that only one extension of time can be granted unless the project has not been completed because of lack of a necessary approval by a government agency or by litigation which may bring title to the water in question.

L. GLEN SAXTON
Chief, Water Allocation Bureau

LGS:klg

Enclosures

CERTIFICATION OF MAILING
I hereby certify that on 8/5/92 a copy/an original of this document was deposited in the United States mail, postage prepaid addressed to the individual(s) named above.
klg

Water Right Number - 29-07917 Prefix Translation: WATER RIGHT Old (D) Number -

Last Name | First Name | Address

*** C - CURRENT OWNER ***
TIRRELL WATER USERS INC.

1 - 1809 GOVERNMENT RD.
2 -
3 -
City- POCATELLO State- ID Zip- 83202
Phone - 208-238-1973

| Priority Date | Region | Stage | Status |
|---|---|---|---|
| 04/06/1990 | 15 EASTERN | P - PERMIT | |

Source: GROUNDWATER

Tributary:

Point of Diversion

| Twn | Rng | Sec | Tract | Lot | RFlg | County | Stream Index (Blank if no Index Code) |
|---|---|---|---|---|---|---|---|
| 06S | 33E | 2 | NE NW | | | (77) POWER | |

Water Use

| Code | Description | Period From | Period To | Diversion Rate | Diversion Volume |
|---|---|---|---|---|---|
| 43 | DOMESTIC | 01/01 | 12/31 | 0.110 | |
| 01 | IRRIGATION | 04/01 | 11/01 | 0.170 | |
| 04 | STOCKWATER | 01/01 | 12/31 | 0.020 | |

Total Div. Rate: 0.300 | Total Div. Volume: | Total Div. Capacity:

Place of Use

| Twn | Rng | Sec | Tract | Lot | Acres | Code | Description | County |
|---|---|---|---|---|---|---|---|---|
| 06S | 33E | 2 | NE NW | | 8.5 | 01 | IRRIGATION | (77) POWER |

Total Acres: 8.5

Diversion Means - WELL AND PUMP TO COMMUNITY DISTRIBUTION SYSTEM.

Non-Irrigation Use - S/4 HORSES

Other Rights for Same Use -

Remarks

Stockwater use is for 4 horses; domestic use is for 5 homes.

Old Water Right Numbers

No Old Water Right Numbers found.

Conditions of Approval

048 - The use of water under this right shall not give rise to any
- claim against the holder of a senior water right based upon the
- theories of forfeiture, abandonment, adverse possession, waiver,

Water right number - 29-07917 Prefix Translation: WATER RIGHT

+ - - - - - - - - Conditions of Approval - - - - - - - -

(Condition continued from previous page)
- equitable estoppel, estoppel by laches or customary preference.
049 - The Director retains jurisdiction of the right and any license
- subsequently issued to incorporate the use into a water district,
- require streamflow augmentation or other action needed to protect
- prior surface water and groundwater rights.
046 - Right holder shall comply with the drilling permit
- requirements of Section 42-235, Idaho Code.
026 - Permit holder shall commence the excavation or construction of
- diverting works within one year of the date this permit is issued
- and shall proceed diligently until the project is complete.
004 - The issuance of this right in no way grants any right-of-way
- or easement across the land of another.
03A - The rate of diversion of water for irrigation under this right
- and all other water rights on the same land shall not exceed 0.02
- cubic feet per second for each acre of land.

+ - - - - Decree Plaintiff - - - + + - - - - Decree Defendant - - - + + - Decree Date -
00/00/0000

+ - - - - - - - - -Comments- - - - - - - - -

Date: 08/05/1992 User Id: VAULT Subject: Lapse Notice Sent
Lapse Notice Sent

+ - - Audit Fields - 04/17/90 MEYER 05/01/90 CURTIS 07/26/90 CURTIS 07/30/90 CURTIS 08/05/92 COMMENTS

+ - - - - - - - - Water Rights Dates and Flags Area - - - - - - - - -

| | | | | | |
|---|---|---|---|---|---|
| Proof Due Date | - 08/01/1992 | Field Exam Made | - 00/00/0000 | Field Exam Fee | - |
| Approved/Denied | - 07/31/1990 | Protested Date | - 00/00/0000 | Swan Falls | - |
| Proof Made Date | - 00/00/0000 | Hearing Date | - 00/00/0000 | Temporary Right | - P |
| Exam to S.O. Date | - 00/00/0000 | Verified Date | - 00/00/0000 | DLE/Carey Act | - |
| Order Show Cause | - 00/00/0000 | Receipt Number | - | Water District | - |
| Licensed Date | - 00/00/0000 | Appl Received | - 04/06/1990 | Transfer/Amended | - |
| Decree Date | - 00/00/0000 | Presumption Flag | - | | |

May 31, 1992

TIRRELL WATER USERS INC.
1809 GOVERNMENT RD.
POCATELLO ID 83202

PROOF DUE NOTICE

RE: PERMIT NO. 29-07917

Dear Permit Holder:

One of the conditions of approval of the above referenced water permit was that proof of the extent of your beneficial use must be submitted to this office on or before August 1, 1992. (See last page of your approved permit or your last approved extension request.) Enclosed is a form which when accompanied by the license examination fee or a complete field examination report prepared by a certified water right examiner may be used to submit the required proof.

If you have not fully completed your project, and you or a previous owner of this permit have not received a prior extension of time, you may request an extension of time if the delay is for reasonable cause as provided in Section 42-204, Idaho Code. If you have been prevented from proceeding by a governmental agency or by litigation which might bring title to the water in question, more than one extension of time can be granted. An extension of time request form is enclosed for your convenience.

Either an acceptable proof of beneficial use submittal or an acceptable request for an extension of time must be received by this department on or before the above described proof due date. If neither is received, the department will send you a lapse notice. Within sixty (60) days of the mailing of the lapse notice, the permit will no longer be of any force nor effect.

SINCERELY,

CERTIFIED MAIL
NO. 138988

Karen L. Gustafson
Secretary/Records Manager

Enclosures

STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES

Statehouse
Boise, Idaho 83720
(208) 327-7900
August 1, 1990

TIRRELL WATER USERS INC.
1809 GOVERNMENT RD.
POCATELLO, ID 83202

PERMIT APPROVAL NOTICE

RE: PERMIT NO. 29-07917

Dear Permit Holder:

Enclosed is a copy of your approved application for permit. We direct your attention to the conditions of approval on the final page.

You should be aware that the groundwater you propose to divert is located within a drainage basin where surface waters are regulated during the months of low flow. It is possible that diversion of groundwater may have an adverse impact on these surface water flows. Information available to us at this time does not warrant refusing to issue permits in your area, but we do caution that diversions of groundwater are not allowed to deplete flows available for surface water users with earlier priority dates. Siting your well as far from surface sources as possible and casing out upper water producing zones may reduce the potential of interference.

Section 42-235, Idaho Code, requires that a "drilling permit" must be obtained from the department for all wells constructed after July 1, 1987. A drilling permit is a separate permit that must be issued in addition to your permit to appropriate water. Commencement of well construction or diversion of water under your permit to appropriate water is prohibited unless a drilling permit is obtained.

Please be advised that water quality is subject to regulations of the Idaho Department of Health and Welfare. We suggest that you check with them before starting construction.

Please note the requirement that as a permit holder you must commence the excavation or construction of diverting works within one year of the date the permit was issued, and you must proceed diligently until the project is completed. The enclosed blue card must be completed and returned to this office as soon as you commence construction, no later than one year from the date the permit was approved.

We have enclosed a form entitled "Instructions for Proof of Beneficial Use". Please read the instructions carefully since you must take further action to develop this permit into a license.

Sincerely,

GARY SPACKMAN, Supervisor
Water Right Permits Section

GS: SC
Enclosures

water right

Published in The Power County Press, June, 6, 13, 1990.

NOTICE OF APPLICATION FOR WATER RIGHT

The following application(s) have been filed to appropriate the public waters of the State of Idaho:

29-07911
WILCOX, BLAIR
WILCOX, BETTE J.
1808 S. GOVERNMENT RD.
POCATELLO, ID 83202

Source: GROUNDWATER

Diversion Pt: NWNW Sec 2 T 06S R 33E

Use: IRRIGATION ( .120 CFS)
Total Diversion: (.120 CFS)

Date Filed: 3/28/1990

In: T06S R33E S02 NWNW
4.0 ACRES TOTAL

29-07913
JONES, ROSA GAY
2196 MICHAUD CREEK
POCATELLO, ID 83204

Source: GROUNDWATER

Diversion Pt: SESE Sec 22 T 06S R 33E

Use: IRRIGATION (.200 CFS)
DOMESTIC (.040 CFS)
Total Diversion: (.200 CFS)

Date Filed: 4/3/1990

In: T06S R33E S22 SESE
10.0 ACRES TOTAL

29-07917
TIRRELL WATER USERS INC.
1809 GOVERNMENT RD.
POCATELLO, ID 83202

Source: GROUNDWATER

Diversion Pt: NENW Sec 2 T 06S R 33E

Use: DOMESTIC (.110 CFS)
IRRIGATION (.170 CFS)
STOCKWATER (.020 CFS)
Total Diversion: (.300 CFS)

Date Filed: 4/6/1990

In: T06S R33E S02 NENW
8.5 ACRES TOTAL

29-07951
LE COMPTE, DAVID B.
3032 GARDEN RD.
AMERICAN FALLS, ID 83211

Source: GROUNDWATER

Diversion Pt: SWNW Sec 1 T 08S R 31E

Use: IRRIGATION (.120 CFS)
Total Diversion: (.120 CFS)

Date Filed: 4/3/1990

In: T08S R31E S01 SWNW
4.0 ACRES TOTAL

29-07953
THOMPSON, LYNN
THOMPSON, BETTY L.
1761 W. SYPHON RD.
POCATELLO, ID 83202

Source: GROUNDWATER

Diversion Pt: NWNENE Sec 2 T 06S R 33E

Use: IRRIGATION (.100 CFS)
Total Diversion: (.100 CFS)

Department of Water Resources
Eastern District Office

(Signed) Erma Crompton

State of Idaho

County of Power

On this 15 day of June in the year of 1990, before me, a Notary Public, personally appeared Erma Crompton, known or identified to me to be the person whose name subscribed to the within instrument, and being by me first duly sworn, declared that the statements therein are true, and acknowledged to me that she executed the same.

Brett Compston

Notary Public for Idaho
Residing at American Falls, Idaho
My commission expires: June 8, 1993

...ne is the publisher of The Power County Press, a newspaper of general circulation in Power County, Idaho, published weekly at American Falls in said county, that said newspaper has been published in said county uninterruptedly and continuously for over seventy-eight consecutive weeks, prior to the first publication of the annexed notice or advertisement:

That the annexed notice or advertisement was published as per clipping attached in the regular and entire edition of said newspaper and not in any supplement thereof for 3 successive weekly issues thereof, the date of the first publication being the 6 day of June 1990 and the date of last publication being the 13 day of June 1990.

23-May-1990

Tirrell Water Users, Inc.
1809 Government Rd.
Pocatello, ID 83202

RE: Application for Permit No. 29-7917

Dear Water Right Applicant:

The Department of Water Resources acknowledges receipt of your water right permit. This office is currently in the process of advertising the application in the Power County Press on June 7 & 14, 1990. The advertisement will be published for two consecutive weeks, and a period of ten days following the second publication will be allowed for the submittal of protests.

If the application is protested, you will be sent a copy of the protest. The protest must be resolved before the application is approved or denied. If the protest is not resolved voluntarily, this Department will conduct a conference and/or hearing on the matter.

If the application is not protested, it will be forwarded to our state office in about five weeks. State office personnel will conduct a complete review prior to final processing of the application and will notify you of the outcome of this review. When a permit is issued, you will be sent a copy. A typical processing time for an unprotested application is about eight weeks.

Please feel free to contact this office if you have any questions regarding this procedure.

Sincerely,

HAROLD W. JONES
Water Rights Supervisor

HWJ/rb

29-07917

TIRRELL WATER USERS INC.
1809 GOVERNMENT RD.
POCATELLO, ID 83202

Source: GROUNDWATER

Diversion Pt: NENW Sec 2 T 06S R 33E

Use: DOMESTIC ( .110 CFS)
IRRIGATION ( .170 CFS)
STOCKWATER ( .020 CFS)
Total Diversion: ( .300 CFS)

Date Filed: 4/ 6/ 1990

In: T06S R33E S02 NENW

8.5 ACRES TOTAL