

[illegible]

Method of Determination: Arc Map (Aerial Photo); Tax Lots.

3. ☒ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
- ☒ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
- ☒ Aerial Photo Attached (required for irrigation of 10+ acres).
- ☒ Photo of Diversion and System Attached

4.

| <u>Well or Diversion<br/>ID No.*</u> | <u>Motor Make</u> | <u>Hp</u> | <u>Motor Serial No.</u> | <u>Pump Make</u> | <u>Pump Serial No. or Discharge<br/>Size</u> |
|--------------------------------------|-------------------|-----------|-------------------------|------------------|----------------------------------------------|
| _Unknown_                            | _Franklin_        | _1_       |                         | _Unknown_        | (1")                                         |
|                                      |                   |           |                         |                  |                                              |
|                                      |                   |           |                         |                  |                                              |
|                                      |                   |           |                         |                  |                                              |

\*Code to correspond with No. on map and aerial photo

#### D. FLOW MEASUREMENTS

1.

| <u>Measurement<br/>Equipment</u> | <u>Type</u> | <u>Make</u> | <u>Model No.</u> | <u>Serial No.</u> | <u>Size</u> | <u>Calib. Date</u> |
|----------------------------------|-------------|-------------|------------------|-------------------|-------------|--------------------|
| 5-Gallon Bucket                  |             |             |                  |                   |             |                    |
|                                  |             |             |                  |                   |             |                    |

2. Measurements: 5-Gallon Bucket. Flow measurement of 12 gpm ~ 0.03 cfs at irrigation hydrant.

#### E. FLOW CALCULATIONS

\_\_\_\_ Additional Computation Sheets Attached

Measured Method: (Theoretical Horsepower Equation)

$$Q = 8.8 \times 0.7 \times 1/85' + (2.31 \times 30) = 6.16/154.3 = 0.04 \text{ cfs}$$

$$Q(\text{theoretical}) = 0.04 \text{ cfs} < 0.07 \text{ cfs } Q(\text{permit})$$

$$HP = 1$$

$$Z = 85' \text{ (Estimated)}$$

$$P = 30 \text{ psi (Assumed)}$$

Appears that the current pumping system cannot attain the permit diversion rate of 0.07 cfs for both domestic use and irrigation. The irrigable area is approximately ½ acre, not 1 acre as stated on the permit. The current domestic use for one home and irrigation of ½ acre of lawn and landscaping comply with the domestic use requirements. Therefore, recommend a diversion rate of 0.04 cfs for domestic use.

**F. VOLUME CALCULATIONS**

1. Volume Calculations for Irrigation: N/A

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 =$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} =$$

2. Volume Calculations for Other Uses: N/A

**G. NARRATIVE/REMARKS/COMMENTS****WATER SUPPLY SYSTEM:**

A ground water well, located southerly of the home, provides water for domestic internal use for 1 home and irrigation of ½ acre of lawn and landscaping. A 1-hp submersible pump delivers water through a 1" discharge line to a pressure tank located in the garage.

**IRRIGATION SYSTEM:**

A 1" line from the pressure tank discharge line header delivers water to a single frost free hydrant for irrigation. The right holder's irrigation system is comprised of the frost free hydrant and hoses. The right holder uses hose's to irrigate the lawn and landscaping area surrounding the home. A portion of the lot south of the home and driveway, and a portion of the lot west of the home, show no evidence of being irrigated, and therefore is excluded from the designated place of use.

Based on the measured flow at the hydrant (0.03 cfs), the current pumping system is not capable of irrigating the entire 1-acre portion of the lot which could be irrigated. Since approximately ½ acre of lawn and landscaping is currently being irrigated, the beneficial use has been modified to only domestic use. A letter was sent to the right holder explaining that the water right will be modified for domestic use only. A phone discussion to clarify any questions regarding the letter was conducted on 3/27/13, and a memorandum was prepared outlining the phone conversation.

Have conditions of permit approval been met? ☒ Yes ☐ No

**RATE &/OR STORAGE RECOMMENDED FOR LICENSING**

| Description               | Rate of Flow (cfs) |      | Storage (af) |
|---------------------------|--------------------|------|--------------|
| Permit Amount             | 0.07               | &/or | N/A          |
| Beneficial Use Limit      | 0.07               | &/or | N/A          |
| System Measurement        | 0.04               | &/or | N/A          |
| Proof Fee Amount          | 0.20               | &/or | N/A          |
| <b>Recommended Amount</b> | 0.04               | &/or | N/A          |

**H. RECOMMENDATIONS****1. Recommended Amounts**

| <u>BENEFICIAL USE</u> | <u>PERIOD OF USE</u> | <u>DIVERSION RATE</u> | <u>ANNUAL VOLUME</u> |
|-----------------------|----------------------|-----------------------|----------------------|
| DOMESTIC              | 01/01 to 12/31       | 0.040 CFS             | N/A                  |
| <u>Totals:</u>        |                      | 0.040 CFS             | N/A                  |

**2. Recommended Amendments**

\_\_\_Change P.D. as reflected above \_\_\_Add P.D. as reflected above ☒None

\_\_\_Change P.U. as reflected above \_\_\_Add P.U. as reflected above \_\_\_Other

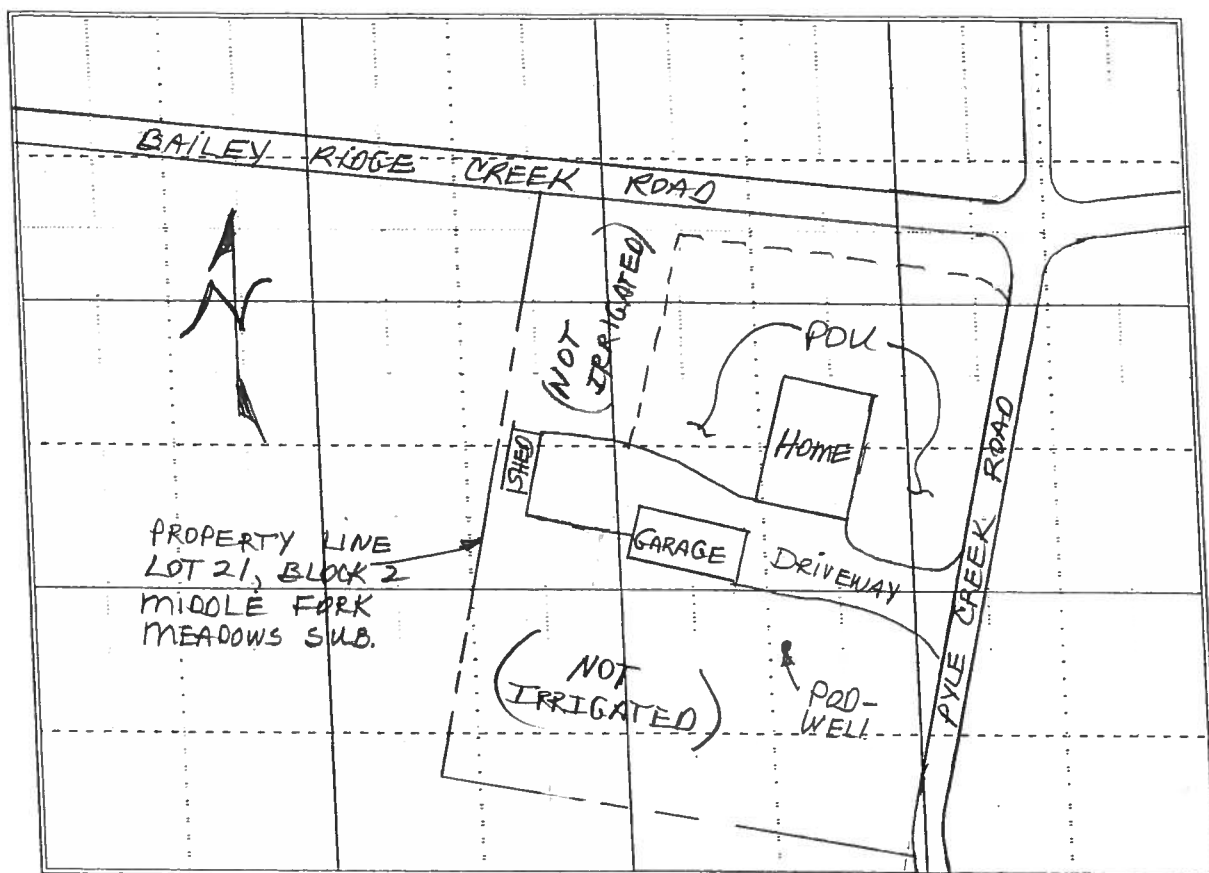
**I. AUTHENTICATION**

Field Examiner's Name Rick Collingwood Date 3/28/13  
 Reviewer \_\_\_\_\_ Date \_\_\_\_\_

**BING AERIAL PHOTO - 2011**



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" = NTS

- ☐ 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

## **FIELD EXAM PHOTOS**

Water Right Permit: 65-22680

Field Exam Date: 9-20-12

PLS: SE1/4, NE1/4 Section 34, T.10N, R.04E.

Field Examiner: RC



Point of Diversion: View southerly of ground water well located southerly of home.



Place of Use: View northerly of lawn and landscaping located easterly of home.



## MEMORANDUM

TO: File

FROM: Rick Collingwood

DATE: 3-27-13

RE: Water Right Permit No. 65-22680 – Beneficial Use Modification

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Discussion with Bob James on the 3/19/13 letter sent to the James' regarding the pumping capacity of the existing domestic and irrigation system and the proof of beneficial use/ license exam fee which was not paid by the previous right holder.

As stated in the letter, I informed Bob that the current pumping system cannot attain the permit diversion rate of 0.07 cfs for domestic use for one home and irrigation of 1.0 acre of lawn and landscaping. The measured flow of 0.03 cfs was only sufficient for domestic use of one home, which includes up to ½ acre of irrigation. I explained to him that currently, under Idaho Statute 42-111, no fee is required when the appropriation is 0.04 cfs or less. I also explained to Bob that since his current pumping system is not capable of attaining the permit diversion rate of 0.07 cfs, we can only license the right for the capacity of the pumping system.

I also explained to Bob that if in the future he would like to expand the irrigable land beyond the current ½ acre, he would have to file a new application for permit. Also, that he would need to improve his well and pumping system. I update him on the well upgrade fee which would be required if he were to improve his well by either enlarging the casing or deepen the well.

Since he has no plans to irrigate more than the present ½ acre of lawn and landscaping, he directed me to modify his beneficial use to domestic use only.



**State of Idaho**

**DEPARTMENT OF WATER RESOURCES**

Western Region, 2735 Airport Way • Boise, Idaho 83705-5082

Phone: (208) 334-2190 • Fax: (208) 334-2348 • Web Site: [www.idwr.idaho.gov](http://www.idwr.idaho.gov)

**C. L. "BUTCH" OTTER**  
Governor

**GARY SPACKMAN**  
Interim Director

March 19, 2013

Robert & Cindy James  
16 Pyle Creek Road  
Garden Valley, ID 83622

Re: Proof of Beneficial Use – Outstanding Fee

Dear Robert & Cindy:

As you requested, I have prepared a brief summary relating to the issue of the outstanding fee of \$50.00 for the Proof of Beneficial Use for Water Right Permit No. 65-22680.

On May 21, 2002, Ronald and Janet Grimsley submitted an Application for Permit to the Department to use ground water for the beneficial use of domestic use for one home and irrigation of 1.0 acre of lawn and landscaping. The Application for Permit was approved and a Water Right Permit No. 65-22680 was issued which allows the permit holder to proceed with developing the proposed beneficial uses. Once the permit holder has completed the development of the proposed beneficial uses as stated in the permit, the permit holder is required to submit a 'Proof of Beneficial Use' form to the department. By submitting the Proof of Beneficial Use form, the permit holder is stating that the proposed water development improvements have been completed. The next step toward water right licensure is for the Department to conduct a field exam to verify that the water development improvements have been completed and are in compliance with the water right permit.

The Proof of Beneficial Use was received by the Department on July 16, 2002. On July 19, 2002, a proof acknowledgement letter was sent to the permit holder's for the receipt of the proof of beneficial use form. I have enclosed these two documents for your records and reference. However, as stated in the second paragraph, Department staff discovered the diversion rate discrepancy between the proof of beneficial use diversion rate of 0.03 cfs, and the permit diversion rate of 0.07 cfs. As I indicated per our phone conversation, the original permit holder's never did submit the proof of beneficial use fee even after notification by the Department.

As stated in the second paragraph, the proof of beneficial use or license exam fee is waived for domestic use appropriations of 0.04 cfs or less for domestic use, which includes irrigation of up to ½ acre of lawn and landscaping. During my field examination, I obtained a water measurement with a 5-gallon bucket from your well at the hydrant next to your home. The measured flow was 12 gallons per minute, or approximately 0.03 cfs, which is considerably less than the water right permit diversion rate of 0.07 cfs. The beneficial use proof fee or license exam fee can be waived, as long as your beneficial use designation is for only domestic use. The irrigable lawn area currently being irrigated just happens to be approximately ½ acre. Therefore, your current water usage, which qualifies as domestic use, would not require a proof of beneficial use or license exam fee of \$50.00. If you would like us to modify your water right license to domestic use only, which will waive the \$50.00 fee, please let me know and I will resume processing of your water right.

Please be aware that if in the future you decide to expand your irrigable area beyond the current ½ acre within your lot, you will be required to file a new water right application for permit.

If you have any questions, please give me a call anytime.

Sincerely,

A handwritten signature in black ink that reads "Rick Collingwood". The signature is fluid and cursive, with a large loop at the end of the last name.

Rick Collingwood, P.E.  
Water Right Agent, Sr.



State of Idaho

**DEPARTMENT OF WATER RESOURCES**

1301 North Orchard Street, Boise, ID 83706 - P.O. Box 83720, Boise, ID 83720-0098  
Phone: (208) 327-7900 Fax: (208) 327-7866 Web Site: [www.idwr.state.id.us](http://www.idwr.state.id.us)

DIRK KEMPTHORNE  
Governor

KARL J. DREHER  
Director

July 19, 2002

RONALD GRIMSLEY  
JANET GRIMSLEY  
16 PYLE CREEK RD  
GARDEN VALLEY ID 83622

**PROOF ACKNOWLEDGMENT LETTER**

**RE: PERMIT NO. 65-22680**

Dear Permit Holder:

The department acknowledges receipt of the proof of beneficial use form submitted for the above referenced permit. The next step in the process of developing a water right is for the department to contact you to schedule a field examination to determine and confirm the use being made of the water, and that it meets the permitted beneficial use.

*Note* During my examination of your proof I noted that the diversion rate you are claiming is less than the amount you were originally permitted. You have claimed a diversion rate of .03 cfs, which the license exam fee is waived. However, if the field examiner finds that the full amount of your permitted diversion is being used (.07 cfs), you will need to pay the \$50.00 license exam fee before your license can be issued.

Be advised that Section 42-248, Idaho Code, requires you or the owner of these water rights 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.

If you have questions, please contact the **Western** Regional Office of the department in Boise at (208) 334-2190.

Sincerely,

*Deborah J. Gibson*

Deborah J. Gibson  
Administrative Assistant  
Water Allocation Bureau

Encl.  
c: IDWR - Regional Office (w/encl.)

**MICROFILMED**

**6CT 0 2 2002**

STATE OF IDAHO  
DEPARTMENT OF WATER RESOURCES

RECEIVED

JUL 16 2002

PROOF OF BENEFICIAL USE

Department of Water Resources

The Idaho Department of Water Resources considers this form a statement that the permit holder(s) has/have completed all development that will occur under this permit and that water has been applied according to the provisions of the permit for the beneficial use(s) described below. This form must be accompanied by a license examination fee, when necessary, or be accompanied by a completed field examination report prepared by a certified water right examiner.

1. Permit No. 65-22680 Telephone No. 208 462 1971

2. Name of Permit Holder(s): Ronald Grimsley Janet Grimsley

3 Mailing Address: 16 Pyle Creek Road

City Garden Valley State Idaho Zip 83622

4. Source of Water: Groundwater If GROUNDWATER (well), Date Drilled: mo. 8 / yr. 97

a. Well Driller Dennis Phipps Well Drilling Drilling Permit Number: 65-97-6-294-

5. Use(s) (as authorized by the water right permit):

Domestic (No. of households) 1 Stockwater (No. and type of stock): —

Irrigation (No. of acres): 1 Other: —

6. Total rate of diversion and/or volume for which proof is submitted: 0.03 cfs OR 3.5 acre feet

7 Measuring Device Requirement: (refer to the approval conditions on your permit and respond accordingly)

(This question is not optional Please check either yes or no Proofs returned not checked accordingly, will be considered incomplete)

Measuring Device: Is a measuring device required? Yes — or No X  
Has the measuring device been installed? Yes — or No X

8. Fee Enclosed: \$ \_\_\_\_\_ (See Fee Schedule on back of the instructions for filing proof of beneficial use)

9. Person to contact to accompany the Department representative during field examination of the water system.

Name \_\_\_\_\_ Telephone Number \_\_\_\_\_

Address \_\_\_\_\_

10 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. I agree to relinquish any undeveloped portion of the permit to the State of Idaho.

Signature of permit holder. Ronald Grimsley Date 7-15-02

(include your title, if on behalf of company of organization)

MICROFILMED

JUL 16 2002



State of Idaho

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C. L. "BUTCH" OTTER  
Governor

GARY SPACKMAN  
Interim Director

September 13, 2012

Robert M. & Cindy S. James  
16 Pyle Creek Road  
Garden Valley, ID 83622

**RE: Scheduling Field Exam for Water Right Permit No. 65-22680**

We are planning to **conduct water right field examinations** in the vicinity of the above-referenced permit **during the week of September 24, 2012**. An examination is needed to verify your water use in order to issue a water right license.

Please be advised that you will need to operate your system under normal operating conditions during the examination. The permit authorizes the diversion of 0.07 cfs from ground water for domestic use for one home and irrigation of 1.0 acres.

In order to conduct your exam as efficiently as possible, we ask that you call this office to schedule a day and time convenient for you. **Please call me at 208-334-2190 by September 21, 2012, to conduct the exam during the week of September 24, 2012.** If there is a problem with scheduling or conducting the examination at this time, please let me know so we can reschedule or make other arrangements.

I appreciate your attention to this matter and I look forward to hearing from you.

Sincerely,

A handwritten signature in black ink that reads "Rick Collingwood". The signature is written in a cursive, flowing style.

Rick Collingwood, P.E.  
Water Resource Agent, Sr.