

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 13-8535

Exam Date: 07/01/2025

1. Current Owner:
GINA GRIFFITHS 2712 W 1500 N PRESTON ID 83263-5134 AND
ANDREW GRIFFITHS 2712 W 1500 N PRESTON ID 83263-5134

2. Accompanied by:
Phone No: N/A
Address:
Relationship to permit Holder:

3. **SOURCE:**
SPRING

Tributary SINKS

Method of Determination: 617

B. OVERLAP REVIEW

1. Other water rights with the same place of use: No Overlap

Water Right No.	Source	Purpose of Use	Basis
13-7875A	Deep Creek	Irrigation	Claim

Comments: Irrigation System Seperate from Culinary/stock.

2. Other water rights with the same point-of-diversion: NO Overlap

Water Right No.	Source	Purpose of Use	Basis

Comments: _____

C. DIVERSION AND DELIVERY SYSTEM

1. LOCATION OF POINT(S) OF DIVERSION:

SPRING NE¼ SW¼ SE¼, Sec. 7, Twp 15S, Rge 39E, B.M. FRANKLIN County

Method of Determination:

PLACE OF USE: 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	
15S	39E	7															X		

PLACE OF USE: DOMESTIC

[illegible]

Method of Determination:

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.

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

2. Measurements:

N/A

E. FLOW CALCULATIONS

Additional Computation Sheets Attached

Measured Method:

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation:

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

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

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

2. Volume Calculations for Other Uses:

Indoor Use Only = 0.6 AF/yr

15 head stock * 12 gpd * 365 days = 65,700 gal = 0.2 AF

Total = 0.8 AF

G. NARRATIVE/REMARKS/COMMENTS

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

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use	Rate of Diversion	Annual Volume
STOCKWATER	01/01 to 12/31	0.02 CFS	0.2 AF
DOMESTIC	01/01 to 12/31	0.04 CFS	0.6 AF

Totals: 0.06 CFS 0.8 AF

2. Recommended Amendments

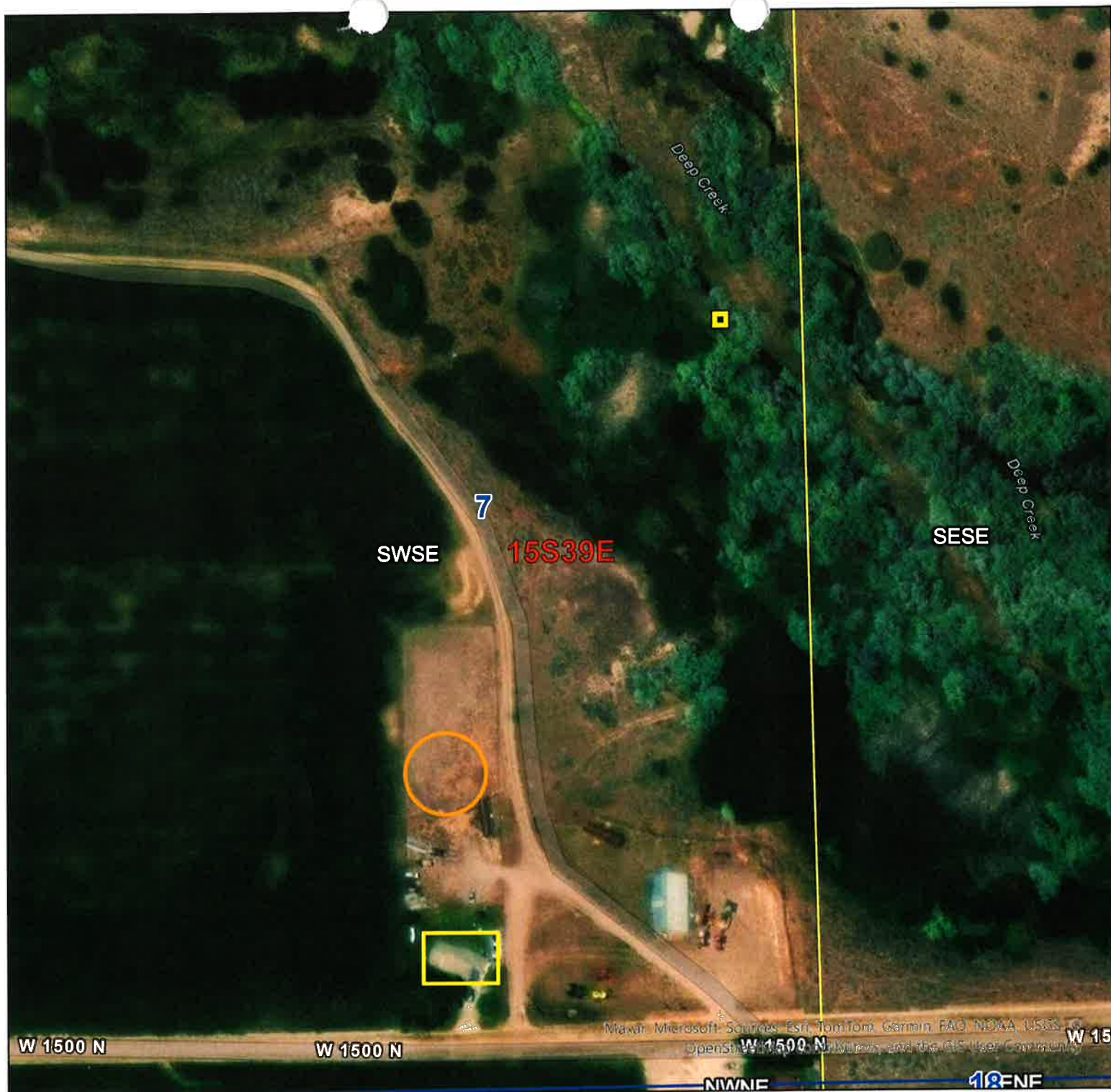
☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☒ None

I. AUTHENTICATION Christian Stewart - Water Resource Agent

Field Examiner's Name Christian J Stewart Date 7/11/25

Reviewer B/Ake Jordan Date 7/15/2025



Legend



Water Right POD

Water Right POU

WaterUse

DOMESTIC

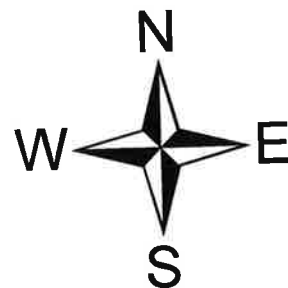
STOCKWATER

Township/Range

Sections

QQ

0 80 160 320 US Feet



State of Idaho
Department of Water Resources
Permit to Appropriate Water

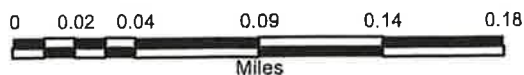
13-8535

STOCKWATER & DOMESTIC

The map depicts the place of use for the water use listed above and point(s) of diversion of this right as currently derived from interpretations of the paper records and is used solely for illustrative purposes. Discrepancies between the computer representation and the permanent document file will be resolved in favor of the actual water right documents in the water right file.



Date created: 5/16/2025



Legend

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



Gina and Andrew Griffiths WR# 13-8535 Images (From Proof of Beneficial Use)

Water is diverted from a spring via a concrete and cinder block collection box and pump house constructed in 1976, located at elevation 4,570 ft (42.127041° N, -111.940339° W, NAD83). A submersible pump installed on a 5-foot drop pipe delivers water to a 52-gallon pressure tank, supplying both a residence and a stockwater trough through approximately 520 feet of 1.5-inch underground PVC pipeline. The system has a total vertical lift of about 70 feet, with water distributed through a 3/4-inch copper service line to the home and a 3/4-inch frost-free hydrant to a stock tank. Overflow from the spring collection box was observed at approximately 10 gpm on May 16, 2025, confirming continuous flow and beneficial use.



Figure 1. Spring Collection and Pump House, May 16, 2025.

Photographs show the spring collection structure and pump house associated with the subject domestic and stock water system. The structure was originally constructed in the spring of 1976 by Kevin and Susan Allen, concurrent with the development of the residence. It is an approximately 8 ft by 10 ft concrete and cinder block enclosure, built partially below grade and fitted with a pitched metal roof for weather protection. The structure houses a submersible pump and a pressure diaphragm tank, which delivers water to the residence and a stock water trough. The first image is taken facing north, illustrating the pump house location at the toe of a hillside within a vegetated draw at an approximate elevation of 4,570 ft. The second image is taken facing east and shows emergent riparian vegetation (including cattails), indicating perennial spring discharge in the collection area. The third image, taken facing south, illustrates active overflow from the spring collection box and outflow from the pump house, consistent with artesian or high spring discharge conditions. Flow from the overflow was visually estimated at approximately 10 gallons per minute (gpm) on May 16, 2025.

Location: 42.127041° N, -111.940339° W (NAD83)



Figure 2. Interior of Spring Collection Pump House – Pressure Tank and Pump Controls, May 16, 2025.

Photographs show the interior of the concrete and cinder block spring collection pump house, which supports domestic and stock water use. The structure houses a **Utilitech 52-gallon vertical diaphragm pressure tank (Model LPT-52, Item #160669)**, rated to 100 psi and designed for potable water well systems. The tank is approximately 36 inches tall and 24 inches in diameter and is mounted on a polymer base directly above the spring collection area. The water system includes a **submersible pump installed on a 5-foot drop pipe**, located below the pump house floor. The pump itself was not directly inspected, and the specific pump model is not currently documented. However, based on the control equipment, the pump is operated using a **Franklin Electric control box (Model 2801054912, 1/2 HP, 230V, max 6.0 amps)**, which is designed for use with a **3-wire, single-phase submersible pump motor**—typical for residential applications in the 5–10 gpm range at moderate pumping heads. Pump discharge plumbing consists of **1-1/4 inch galvanized steel pipe**, with a **brass check valve**, leading to a **galvanized tee fitted with a pressure switch and electrical leads**. Electrical wiring and heat tape are visible along the piping and floor, consistent with winterization. Water is conveyed from the pump house via buried 1.5" PVC pipeline to serve both a residence and a stock water trough.



Figure 3. Stock water Pipeline Tee and Trough Hydrant, May 16, 2025.

Photographs document the stock water delivery system extending from the main spring collection pump house pipeline. A 1.5-inch underground PVC pipeline conveys water upslope approximately 400 feet from the spring collection structure. At the location shown in the first image—GPS coordinates 42.126225°, -111.941350° (NAD83), elevation 4,635 ft—the pipeline tees off from the main domestic line to serve a livestock watering point.

The second image shows the termination of this branch line at a 3/4-inch Woodford frost-free hydrant, connected to a portable 50-gallon yellow stock water tank. The hydrant is located approximately 75 feet downslope from the tee, at GPS coordinates 42.126399°, -111.941491° (NAD83). The installation is located within a fenced pasture area and is suitable for seasonal or year-round use depending on freeze protection and flow availability.

The total length of the pressurized pipeline from the spring pump house to the residence is approximately 520 feet, and the branch to the stock water system is buried and visibly functional, with valves accessible at the tee junction and hydrant head.

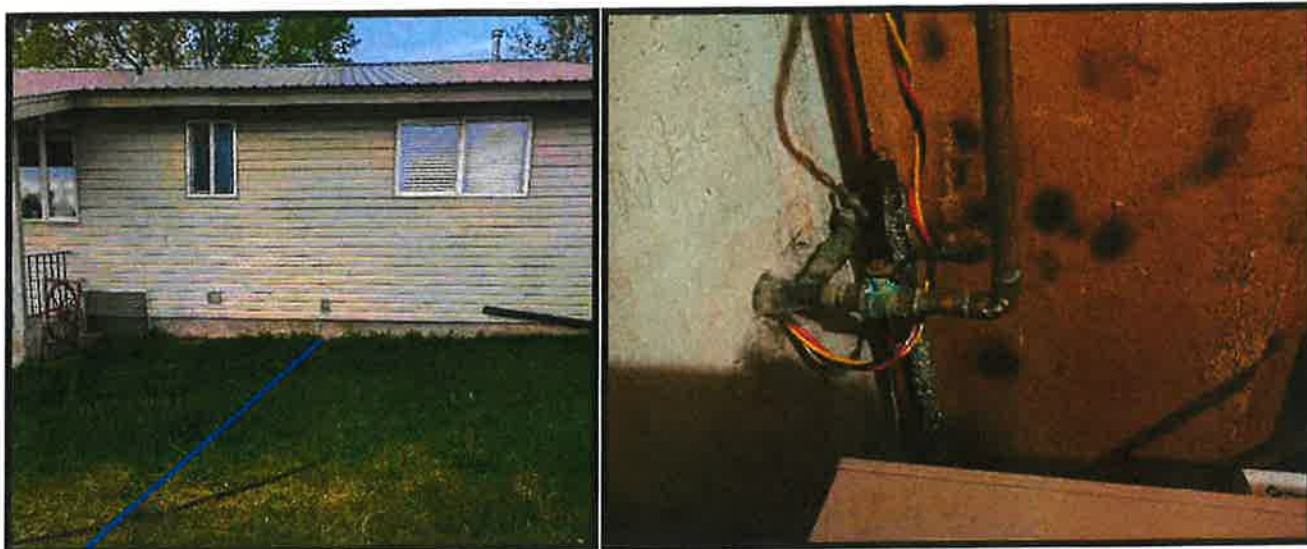


Figure 4. Termination of Spring Line at Residence – Entry Point and Interior Plumbing. May 16, 2025

Photographs show the terminal segment of the domestic water supply system, which originates at the spring collection pump house and extends approximately 520 feet upslope via 1.5-inch PVC pipe to the residence. The total vertical lift from the pump house to the residence is approximately 70 feet, with the pump house located at elevation of 4,570 feet and the residence at elevation 4,640 feet (mean sea level, NAD83 vertical datum).

The first image shows the exterior of the 1976-built residence, where the underground pipeline enters the structure through the concrete foundation wall approximately 4 feet below grade. The location of the underground pipeline is marked on the photo with a visible blue reference line.

The second image documents the 3/4-inch copper CTS (copper tube size) service line inside the basement at the point of entry. This segment includes the main domestic water shutoff valve and the start of the internal distribution system supplying fixtures throughout the home. This plumbing arrangement is consistent with residential water delivery systems in Idaho and supports the claimed domestic beneficial use under the water right.