

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 57-12009
Exam Date: July 1, 2025

1. Current Owner:
DAVID WILLIAMS 3677 MARKET RD HOMEDALE ID 83628-3692
2. Accompanied by: David Williams
Phone No: (208) 989-3583
Address: 3677 Market Rd. Homedale
Relationship to permit Holder: Permit Owner

3. **SOURCE:**
SPRING

Tributary
SNAKE RIVER

Method of Determination: Proof of Beneficial Use, In-person Field Exam

B. OVERLAP REVIEW

1. Other water rights with the same place of use: YES Overlap

Water Right No.	Source	Purpose of Use	Basis
57-10021	Groundwater	Stockwater (0.05cfs) + Domestic (0.04cfs)	License
57-11585	Groundwater	Stockwater + Commercial (0.15cfs)	License

Comments: Both above-mentioned rights are owned by David Williams and utilize a rate of 0.15cfs. A combined rate was applied to the licenses, to not exceed a total of 0.15cfs. The purpose of obtaining an additional license for the same rate and beneficial uses was to increase the rate to 0.15cfs and include commercial use.

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

Water Right No.	Source	Purpose of Use	Basis

Comments: No permits or licenses currently overlap with the point of diversion for WR 57-12009.

C. DIVERSION AND DELIVERY SYSTEM1. **LOCATION OF POINT(S) OF DIVERSION:**

SPRING NW¼ NW¼ NE¼, Sec. 22, Twp 03N, Rge 05W, B.M. OWYHEE County
43.58738 -116.91926

Method of Determination: OnX GPS, In-person field exam.

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	
03N	05W	22		X			X												

Method of Determination: In-person field exam, ArcMap satellite imagery

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
N/A	N/A	N/A	N/A	N/A	N/A

D. FLOW MEASUREMENTS**Stockwater Bucket Test:**

A bucket test was run using a five-gallon bucket and five fills, with an average fill time of 8.2 seconds. The system was running at full production as it is used for stockwater, and the rate of the license shall be reduced to 0.08cfs.

Bucket Test Flow Measurement			
Test Number	Fill Time (Seconds)	GPM	CFS
1	7.9	37.9	0.08
2	8.3	36.1	0.08
3	8.5	35.5	0.08
4	8.6	34.8	0.08
5	7.9	38.2	0.09
Average	8.2	36.5	0.08

E. FLOW CALCULATIONS

Permitted diversion rate: 0.65 cfs

Application Processing Memo 3:

1000 range cattle (0.00022) = 0.22 cfs

F. VOLUME CALCULATIONS**Application Processing Memo 3:**

1000 range cattle (0.0134) = 13.4 AFA

G. NARRATIVE/REMARKS/COMMENTS

The department received an application for permit to appropriate 0.65 cfs for stockwater on August 27, 2019. The permit was issued on January 13, 2020, and proof of beneficial use submitted to the department on January 23, 2025. A field exam was conducted on July 1, 2025, accompanied by the owner, David Williams.

The two overlapping rights described in Item B include a full place of use overlap, authorizing a combined diversion rate of 0.15 cfs for stockwater and commercial. David developed a stockwater system to water 1000 range cattle on his property to use a spring, rather than his well which is used for the previous existing stockwater rights. A 5hp submersible pump was placed one foot underground with a 1.25" pipe to divert water roughly 15 ft upwards into a 3,000-gallon storage tank. The 3,000-gallon storage tank does not require a storage component since the daily volume requirement for 1000 range cattle exceeds the storage capacity as developed in the system. Stockwater is diverted from the storage tank and to the 5 total watering troughs via underground lines, which were not recorded in the system diagram due to the uncertainty of the locations.

During the field exam, I took a bucket test including five measurements using a five-gallon bucket while the system ran at full production. I determined then that the system, as it was developed, produces a steady rate of 0.08 cfs and the rate should be licensed accordingly. An annual volume was determined using Application Processing Memo #3, considering 12 gallons per day for each head of stock, totaling 13.4 AFA.

All conditions of approval were met during the development period and the point of diversion and place of use are accurately described by the permit. No amendments are recommended. Conditions 082 and 26A were removed since the system was developed in accordance with those conditions. Condition 106 was placed on the permit and dropped from the license since water quality is not a concern for the local public interest in the case of a stockwater right with no affiliation to a commercial right. Condition 121 was replaced with 103 per department standards.

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

H. RECOMMENDATIONS**1. Recommended Amounts**

<u>Beneficial Use</u>	<u>Period of Use</u>	<u>Rate of Diversion</u>	<u>Volume</u>
STOCKWATER	01/01 to 12/31	0.08 CFS	13.4 AFA

Totals: 0.08 CFS 13.4 AFA

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 Kate Englund - Water Resource Agent

Field Examiner's Name Kate Englund Date 7/25/2025

Reviewer  Date 08-07-2025



Figure 1 System diagram including the place of use outline, point of diversion (spring), storage tank location, and watering trough locations. Mainlines from source to troughs are unknown due to being subsurface.



Figure 2 Point of diversion including power source for 5hp pump from spring and 1.25" pipe diverting water to storage tank.



Figure 3, 1.25" pipe diverting water from 5hp pump upwards towards storage tank.



Figure 4 Storage tank with a 3,000 gallon capacity. The 1.25" water line is featured, running along the top of the tank where water is diverted to the tank.



Figure 2 Place of use including two of the five watering troughs.