

STATE OF IDAHO  
DEPARTMENT OF WATER RESOURCES  
BENEFICIAL USE FIELD REPORT

**A. GENERAL INFORMATION**

Permit No: 65-23487  
Exam Date: 08/30/2024

1. Current Owner:  
JESSE LLC C/O STEVE LOOMIS  
7154 W STATE ST # 187 BOISE ID 83714-7421
2. Accompanied by: Steve Loomis & Alan Townsend  
Phone No: (208) 859-8115  
Address: 30 Plum Dr., Horseshoe Bend, ID 83629  
Relationship to permit Holder: Mr. Loomis the manager of Jesse LLC

3. **SOURCE:**  
UNNAMED STREAM

**Tributary**  
PAYETTE RIVER

Method of Determination: Beneficial use exam and Department records

**B. OVERLAP REVIEW**

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

| Water Right No. | Source      | Purpose of Use | Basis  |
|-----------------|-------------|----------------|--------|
| 65-23083        | Groundwater | Municipal      | Lapsed |
|                 |             |                |        |

Comments: \_\_\_\_\_

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:**

UNNAMED STREAM L8 ( NW¼ SW¼), Sec. 33, Twp 07N, Rge 02E, B.M. BOISE County

Method of Determination: Field examination, permit, and ArcMap tools with aerial imagery.

**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 |        |
| 07N | 02E | 33  |    |    |    |    |    |    | X<br>L3 |    |    | X<br>L8 |    |    |    |    |    |    |        |

Method of Determination: Field examination, permit, and ArcMap tools with aerial 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

1.

| Measurement Equipment | Type | Make | Model No. | Serial No. | Size | Calib. Date |
|-----------------------|------|------|-----------|------------|------|-------------|
| n/a                   | n/a  | n/a  | n/a       | n/a        | n/a  | n/a         |

2. Measurements:

#### E. FLOW CALCULATIONS

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

**Measured Method:** Standard Beneficial Use Rate and Volume  
 The proof submitted indicates stock water use for 100 head of range cattle.

Per Application Processing Memorandum No. 3:

Annual Use of Water for Stock water Purposes: Range Cattle

| No. of Stock | Rate* | Volume  |
|--------------|-------|---------|
| (head)       | (cfs) | (AF/Yr) |
| 26 - 50      | 0.02  | 0.7     |
| 51 - 100     | 0.03  | 1.4     |

#### 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:

$$\text{Volume required (Vr): } \frac{100}{\text{\# animals}} \times 0.0134 = 1.35 \text{ AF}$$

$$\text{Volume diverted (Vd): } \frac{0.02}{\text{permit cfs}} \times 365 \times 1.9835 = 14.5 \text{ AF}$$

$$\text{Volume recommended} = \text{smaller of Vr and Vd} = 1.4 \text{ AF}$$

**G. NARRATIVE/REMARKS/COMMENTS**

Jesse LLC is the owner of permit 65-23487 for stock water and irrigation use in Boise County. The proof of beneficial use was submitted on 3/23/2023 with an examination fee of \$50 for 0.04 cfs. A field exam was conducted on 8/30/2024. Steven J Loomis, manager of Jesse LLC and Alan Townsend accompanied the water rights agent on the exam. According to current Boise County taxlot data Jesse LLC is the current owner of the land appurtenant to the place of use and point of diversion.

At the time of the field exam, a small trickle of water, insufficient for a bucket measurement, was flowing through a 1 1/2-inch pipe into a 6-foot diameter round blue poly stock tank with an approximate capacity of 350 gallons. The stockwater tank was full and a small trickle of water was running into the stock tank and trickling out the downhill lip of the tank. The property owner reports that flows are significantly greater earlier in the season. The shapefile for the place of use was not changed as the stock tank sits on the quarter-quarter line between SWSW Lot 3 and NWSW Lot 8, therefore both were retained in the legal description. The point of diversion is located approximately 400 feet uphill from the stock tank as originally described.

The original application for permit indicated the applicant intended to divert spring water through a rock impoundment and into a pipe delivering water to a stock tank for 100 head of cattle and a drip irrigation system. Jesse LLC leases the property for grazing. At the time of the exam the property had already been grazed and the flow rate from the spring had seasonally decreased. According to Admin AP Memo No. 3, the standard diversion rate for stock water use for 100 head of range cattle is 0.03 cfs. The maximum rate allowed by the permit is 0.02 cfs. I am recommending a diversion rate of 0.02 cfs for licensing. The calculated annual volume is 1.4 af. I am recommending the stockwater rate be licensed at the permit rate of 0.02 cfs and a volume of 1.4 af.

The remnants of the irrigation system for a vineyard enterprise could still be seen though the project had been abandoned for almost 10 years. Since the irrigation component has not been active within the last five years, I am recommending the irrigation component not be licensed.

All water district conditions were removed because irrigation is no longer used and will not be licensed. Stock water falls under 42-111 use and therefore not administered by a water district. Removed condition R05 since water right is not administered by a water district. Removed conditions X02 and 26A as per Department standards. Removed conditions X31 and 185 since the irrigation component was removed. Removed condition 121 since stock water is considered a non-consumptive use.

Condition R43 was found on this permit, it is a licensing condition which states that the right holder shall maintain a measuring device and lockable controlling works. In the appropriate circumstances 01J is used on permits statewide for consumptive uses within a water district with a rate less than or equal to 0.20 cfs and then becomes licensing condition R43. 01J requires that prior to diversion of water under this right, the right holder shall install and maintain a measuring device and lockable controlling works of a type acceptable to the Department as part of the diverting works. Normally no condition is placed on stockwater since it is considered a non-consumptive use. In this case, an irrigation use for a small vineyard was developed between 2010 and 2013, however aerial photos show the effort was abandoned almost 10 years ago, long before proof was due. I am recommending that R43 should not be considered a valid permit condition since it was placed by the department in error.

Have conditions of permit approval been met?   X   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       | 0.02 CFS                 | 1.4 AF        |
| <b><u>Totals:</u></b> |                      | 0.02 CFS                 | 1.4 AF        |

**2. Recommended Amendments**

\_\_\_\_\_ Change P.D. as reflected above      \_\_\_\_\_ Add P.D. as reflected above       X  None

\_\_\_\_\_ Change P.U. as reflected above      \_\_\_\_\_ Add P.U. as reflected above       X  None

**I. AUTHENTICATION**

Allen Bradbury - Water Resource Agent, Senior

Field Examiner's Name Allen Bradbury Date 9/10/2024Reviewer [Signature] Date 9/13/2024

# DELIVERY SYSTEM DIAGRAM

Water Right No. 65-23487 Jesse LLC





**Figure 1.** Valve access between stock water and irrigation.



**Figure 2.** Stock water tank showing diminished late season flows.



**Figure 3.** Stock water tank with 1 1/2 inch delivery pipe.



**Figure 4.** Remnants of 1 1/2 inch pipe and ball valves for irrigation which was initially developed for a small grape vineyard but was later abandoned.