

STATE OF IDAHO  
DEPARTMENT OF WATER RESOURCES  
BENEFICIAL USE FIELD REPORT

**A. GENERAL INFORMATION**

Permit No: 13-7914

Exam Date: 5/6/2020

1. Current Owner:  
JASON CURTIS 6004 E THATCHER ROAD PRESTON ID 83623

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

3. **SOURCE:**  
UNNAMED SPRING

Tributary  
SINKS

Method of Determination: \_\_\_\_\_ Site visit and GPS \_\_\_\_\_

**B. OVERLAP REVIEW**

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

Water Right No.	Source	Purpose of Use	Basis

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 SPRING SW¼ NE¼ SE¼, Sec. 1, Twp 12S, Rge 40E, B.M. FRANKLIN County

Method of Determination: Site visit and GPS

**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	
12S	40E	1													X				

Method of Determination: Site visit and GPS

3.

Delivery System Diagram Attached (required). Indicate all major components and distances between components.  
 x Indicate weir size/pipe as applicable.

x

Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be  
 1:24,000 or greater.

x

Aerial Photo Attached (required for irrigation of 10+ acres).

Photo of Diversion and System Attached

x

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:

**E. FLOW CALCULATIONS**

Additional Computation Sheets Attached

Measured Method:

The right diverted from the point of diversion does not exceed 0.24. No measurement taken.

**F. VOLUME CALCULATIONS**

1. Volume Calculations for irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$

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

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} =$$

2. Volume Calculations for Other Uses:

4 horses or 4 bulls

$$\frac{4 \text{ head} \times 12 \text{ gpd} \times 365 \text{ days}}{325,850 \text{ gallons}} = 0.1 \text{ AF}$$

**G. NARRATIVE/REMARKS/COMMENTS**

I arrived at the place of use and could not easily locate the spring. It appears the spring has been developed (possibly with a perforated pipe) and then completely buried. It is evident that a trench had been dug from the spring to a water trough and a pipe had been buried in the trench supplying water to the trough. The trough has an overflow pipe that is then plumbed to the south west and the water drains into the open, crosses underneath the roadway through a culvert and flows onto the land west of the road where the water sinks. I took pictures of approximate location of the spring, the scar from the trench, the water trough, the draining of the overflow water, and finally the sinks. There was only one water trough connected to the system.

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	0.04 CFS	0.1 AF

**Totals:** 0.04 CFS 0.1 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**

Jared Adamson - Water Resource Agent

Field Examiner's Name  Date 5/6/2020

Reviewer \_\_\_\_\_ Date \_\_\_\_\_

Site 1

Overall location of spring. The spring is not easily visible and the development of the spring (perforated pipe or vault/spring box) must be buried.



Photo shows a trench scar running from spring location to the trough in the background.





Spring water making its way to the surface. Possible overflow from spring development.

#### Site 2



Water trough has a pipe supplying the trough with water and a pipe for overflow to drain.



Site 3



Overflow pipe opens to the surface and water is allowed to drain in an open channel.



Water continues downhill and under the road.



**Site 4**



Water exits the culvert and continues to flow downhill. Water trough is visible in the background.



Water flows into the sinks shortly after exiting the culvert.

Site 5



Photo of sinks. Water is no longer flowing.



Overall photo of sinks.



# State of Idaho - Department of Water Resources



## Beneficial Use Field Exam 13-7914



Imagery Date:  
2017

