

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 11-7839
Exam Date: 8/25/2020

1. Current Owner:
LYNN SWENSON AND NATALIE SWENSON
PO BOX 242
SPANISH FORK, UT 84660
2. Accompanied by:
KIM NATE
Relationship to permit Holder:
RANCH ASSISTANT

3. **SOURCE:**
SPRING

Tributary
SINKS

Method of Determination: Field exam

B. OVERLAP REVIEW

1. Other water rights with the same place of use: NO
2. Other water rights with the same point-of-diversion: NO

C. DIVERSION AND DELIVERY SYSTEM

1. **LOCATION OF POINT(S) OF DIVERSION:**
SPRING L2 (NW¼ NW¼ NE¼), Sec. 31, Twp 12S, Rge 46E, B.M. BEAR LAKE County

Method of Determination: Field exam, GPS & GIS

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	46E	30															X		
12S	46E	31		X L2															

Method of Determination: Field exam & GIS

D. FLOW MEASUREMENTS

1. Measurements: No direct measurement was possible based on the system configuration. A measurement is not required for Stockwater use with a combined diversion rate less than 0.24 cfs.

E. FLOW CALCULATIONS

From "Field Examiner's Handbook" Exhibit 15: For 200 head of cattle: $Q = 0.04$ cfs => Greater than permitted rate

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation: N/A

2. Volume Calculations for Other Uses:

From "Field Examiner's Handbook" Exhibit 15: For 200 head of cattle: $V = 2.7$ acre-feet

G. NARRATIVE/REMARKS/COMMENTS

The development consisted of a small collection device ("spring box") located at the emergence of the spring within a grove of trees. From the spring box water enters a ~300 foot - 2 inch buried plastic pipe flowing to a single water trough. Overflow from the trough is redirected ~50 feet back to the natural course of the spring flow. Water from the spring was observed to sink ~100 feet beyond the trough overflow return.

The system was developed for 200 head of range cattle. The portion of the permitted place of use in the SESE was removed from the draft license as there was no development of beneficial use in that area.

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>Annual Volume</u>
STOCKWATER	01/01 to 12/31	0.02 CFS	2.7 AF

Totals: 0.02 CFS 2.7 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

Brian Normandeau - Engineer, Associate

Field Examiner's Name: Brian Normandeau

Date: 1/8/2021

Reviewer

James Cefalo

Date

1/12/21



Photo 1a (above): View of the point of diversion. The spring & spring box are located within the fenced-off area.

Photo 1b (left): Close-up view of the collection device (spring box). The dense vegetation made a more clear view of the diversion system impossible.

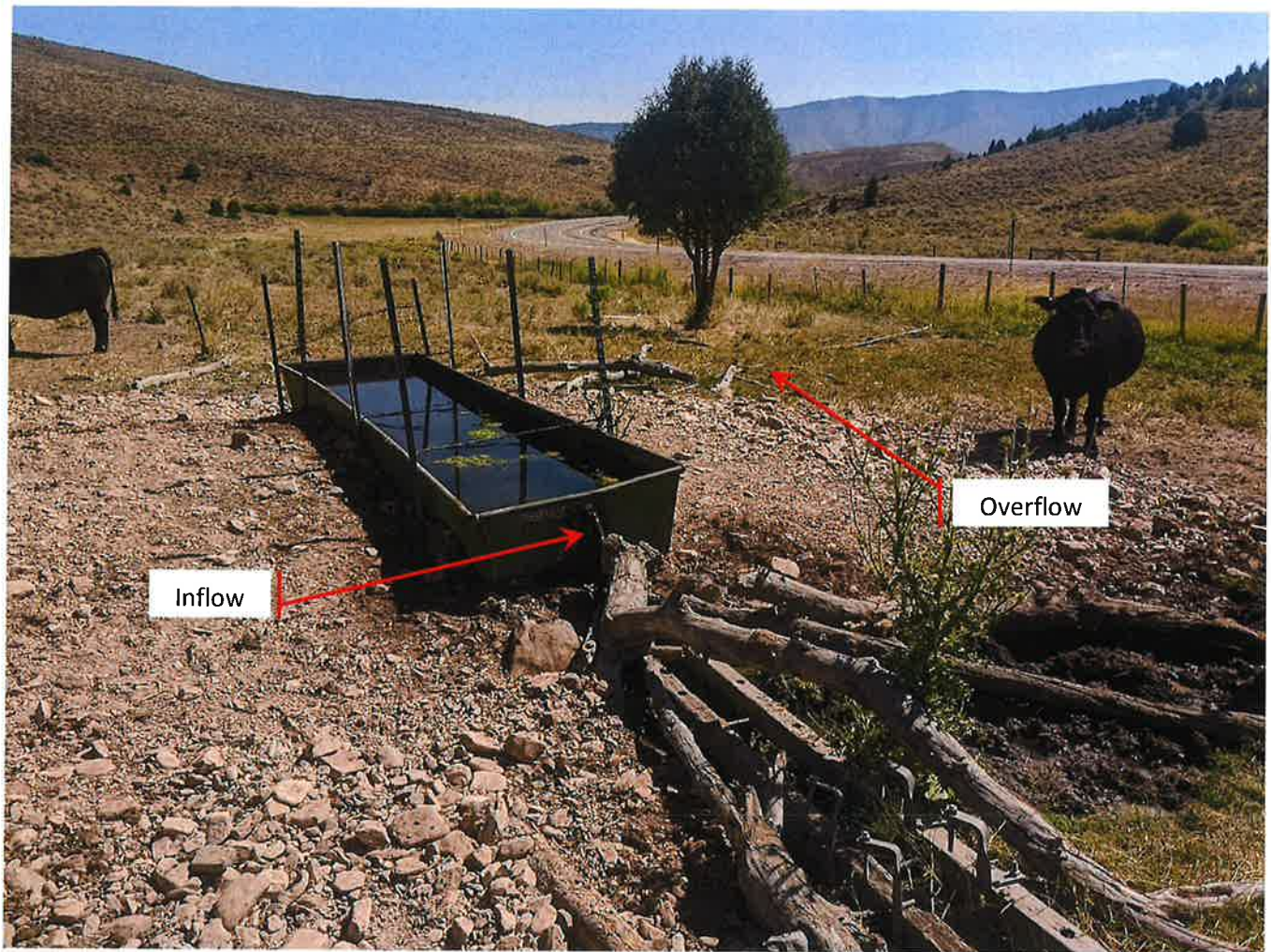


Photo 2: View of the trough filled by the spring shown in the previous photos, depicting the locations of the inflow and overflow pipes.



Legend

- Point of Diversion
- Trough
- Overflow
- Buried Pipe
- Place of Use
- Township/Range
- Sections
- QQ

0 255 510 1,020 Feet

1 inch = 375 feet

