

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 74-16218
Exam Date: 8/21/2020

1. Current Owner:
BODENHAMER FAMILY TRUST
22 S BARRACKS LN
SALMON, ID 83467-5406
2. Accompanied by: ALLEN BODENHAMER
Phone No: 208-756-2229
Address: SAME AS ABOVE
Relationship to permit Holder: TRUSTEE

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 NW¼ NW¼ NW¼, Sec. 8, Twp 20N, Rge 23E, B.M. LEMHI 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	
20N	23E	5											X						
20N	23E	8						X											

Method of Determination: Field exam, GPS & 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 150 head of cattle: Q = 0.03 cfs => Less 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 150 head of cattle: V = 2.0 acre-feet

G. NARRATIVE/REMARKS/COMMENTS

Water is collected at the emergence of the spring via a buried 6" perforated pipe, and diverted through a buried pipeline to two water troughs (estimated 500 – 750 gallons each) located ~200 feet and 500 feet from the point of diversion. Each trough has a float to engage an automatic shutoff when full. The entire collection system and pipeline were buried.

The system was developed for 150 head of range cattle. The permitted rate is 0.05 cfs. The recommended flow rate is reduced to 0.03 cfs based on the value from the "Field Examiner's Handbook".

The spring was observed to essentially rise and sink in the same general location. There was no measurable flow from the spring, or evidence of any connection to other surface water sources.

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	0.03 CFS	2.0 AF
<u>Totals:</u>		0.03 CFS	2.0 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: 1/13/2021

Reviewer _____ Date _____



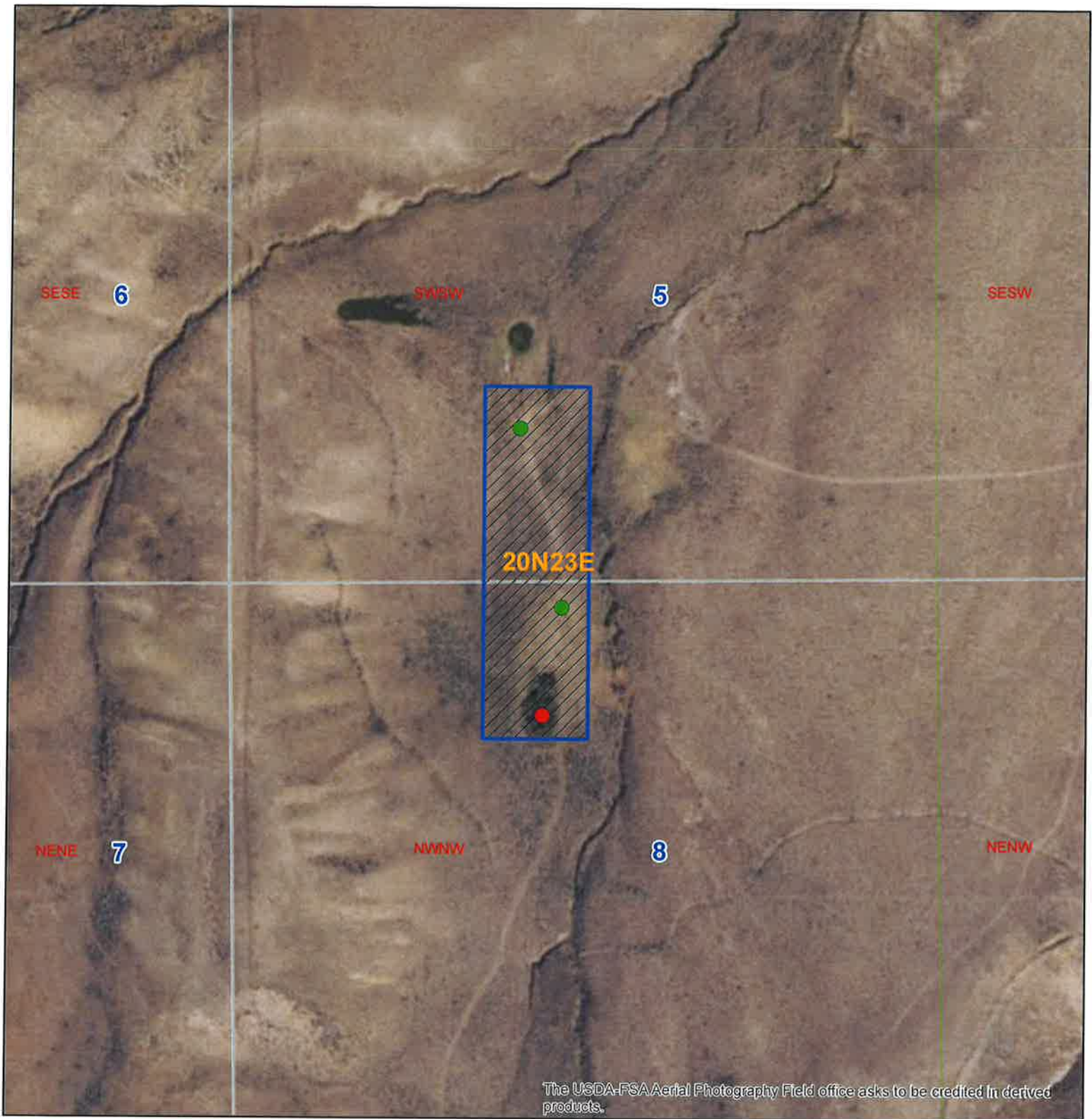
Photo 1: View of the closer of the two troughs, located ~200 feet from the point of diversion.



Photo 2: View of the second trough located ~500 feet from the point of diversion.



Photo 3: View of the spring indicated by dense, green vegetation. Although not entirely obvious from this photo, it was evident on-site that this was the location of the spring. It was reported that the perforated collection pipe is buried within this fenced-off space.



Legend

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

0 170 340 680 Feet

1 inch = 250 feet

