

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
IN-OFFICE REVIEW/BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 11-7787

Exam Date: 10/28/2014

1. Does this qualify for an in-office field exam (IDAPA 035.02.r)? ☒ Yes ☐ No
- Irrigation of 5 acres or less
 - Storage of up to 14.6 AF for stockwater purposes only
 - Any use other than irrigation or storage, if the combined diversion rate is 0.24 cfs or less
 - Other < >

2. Current Owner: Name: Clyde & Carolyn Cook
 Owner of Record Correct? ☒ Yes ☐ No
 Address of Record Correct? ☒ Yes ☐ No
 If No: Address

3. Beneficial Use Fees have been paid: ☒ Yes ☐ No Receipt No: CO99486

4. **SOURCE** **TRIBUTARY**
 SPRINGS SINKS

Method of Determination: Applicant submitted an aerial photo map that outlined POD & POU.

Change in Source: ☐ Yes ☒ No

B. OVERLAP REVIEW

1. Other water rights with the same place of use: Overlap? ☐ Yes ☒ No

Water Right No.	Source	Purpose of Use	Basis

Comments:

2. Other water rights with the same point of diversion: Overlap? ☐ Yes ☒ No

Water Right No.	Source	Purpose of Use	Basis

Comments: No POD overlap.

C. DIVERSION AND DELIVERY SYSTEM

1. **LOCATION OF POINT(S) OF DIVERSION:**

Source	Govt. Lot	¼	¼	¼	Sec.	Twp.	Rge.	County
Springs		SE	NE	NW	29	13S	43E	BEAR LAKE

Method of Determination: Legal Description in permit validated by PLS data and mapping.

Change in POD? ☐ Yes ☒ No

Amendment Required? ☐ Yes ☒ No

2. **PLACE OF USE:** Use: Domestic & Irrigation

TWP	RGE	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
13S	43E	29					S												

Method of Determination: Map of property submitted by land owner identifies POU clearly. PLSS data through ArcMap match.

Change in POU? ☐ Yes ☒ NoAmendment Required? ☐ Yes ☒ No

3.

☒ Delivery System Diagram Attached (required). Indicate all major components and distances between components.

Indicate weir size/pipe as applicable.

☒ Aerial Photo Attached (required for irrigation of 10+ acres).☐ Photo of Diversion and System Attached

4. Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
Unk.	Unk	Unk	Unk	Unk	Unk

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

2. Measurements: In-office field exam so flow measurements not taken.**E. FLOW CALCULATIONS**☐ Additional Computation Sheets Attached

Measured Method:

System uses a portable trough and pump system. No theoretical taken.

Administrator Memorandum # 3 recommends a diversion rate of 0.02 cfs for 40 range cattle.

Permit allowed = 0.01 cfs**License recommend for 0.01 cfs.****F. VOLUME CALCULATIONS**

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \underline{\hspace{2cm}}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = \underline{\hspace{2cm}}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = \underline{\hspace{2cm}}$$

2. Volume Calculations for Other Uses:

$$40 \text{ range cattle} \times 12 \text{ gd/hd} \times 365 \text{ d/yr} / 325,850 \text{ g/af} = \underline{0.5 \text{ af}}$$

G. PURPOSE OF USEIrrigation ☐ Yes ☒ No # Stock 40 Domestic # of Homes 0

Other: < >

Change in Purpose of Use? ☐ Yes ☒ No

Method of Determination: Information in the water right file is consistent with aerial photography of the property.

If Yes: From Use _____ To Use _____ Amount _____ CFS _____ AFA _____

H. NARRATIVE/REMARKS/COMMENTS

Permit 11-7787 authorized the diversion of 0.01 cfs from unnamed springs for stockwater purposes. Based on the permitted small diversion rate this qualifies for an in-office field exam. The exam was completed on Oct 28, 2014 by WRA Patrick Kelly.

Legal description of POU & POD on the permit was used to locate the property in the name of Taylor Douglas. A form submitted to the Department showed that the current owner of land parcel # RP13S43E293000 in the name of Cook Clyde H Trustee for 40 acres with the NENW QQ. A map outlining the POU and POD was submitted and I found no errors in the information that was presented. I was able to locate the spring which naturally ponds water in the SE of the QQ. Based on aerial photography of the land, it was difficult to determine the troughs referenced in the application for permit had been constructed and were diverting water. Contact was made via telephone with the Cook representative Luke Marchant. Mr. Marchant informed me that the diversion was only made when cattle were on the grounds. At these times, a portable pump and trough system are installed on the spring. This diversion is then removed when cattle are moved off the land. Mr. Marchant indicated that the Cooks intended to sell the property and a prospective buyer was interested in securing a more permanent diversion.

Overlap review showed water right POD 11-4048 has a diversion within the NENW QQ from the springs. These two rights are using the same spring, however at this time, they are from different diversions. There is a permanent fence placed around the west pond on the Cook property. I assume this is to protect the water pond from other cattle ranchers immediately east of the Cook property line where 11-4048 has an active stockwater POU.

No theoretical flow measurements were taken since this is a portable system, and the diversion rate of 0.01 is a minimum diversion rate. Administrator Memorandum # 3 recommends an annual volume of 12 gpd/hd for livestock. The Department does not prefer to place # of livestock on conditions of approval. I will be removing the condition of use for 40 range cattle and replace it with an annual volume of 0.5 af.

I found no evidence to suggest a void of the permit or denial of a license.

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

I. RECOMMENDATIONS**1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
Stockwater	01/01-12/31	0.01 cfs	0.5 af
	<u>Totals</u>	0.01 cfs	0.5 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 ☐ Other

Other: < >

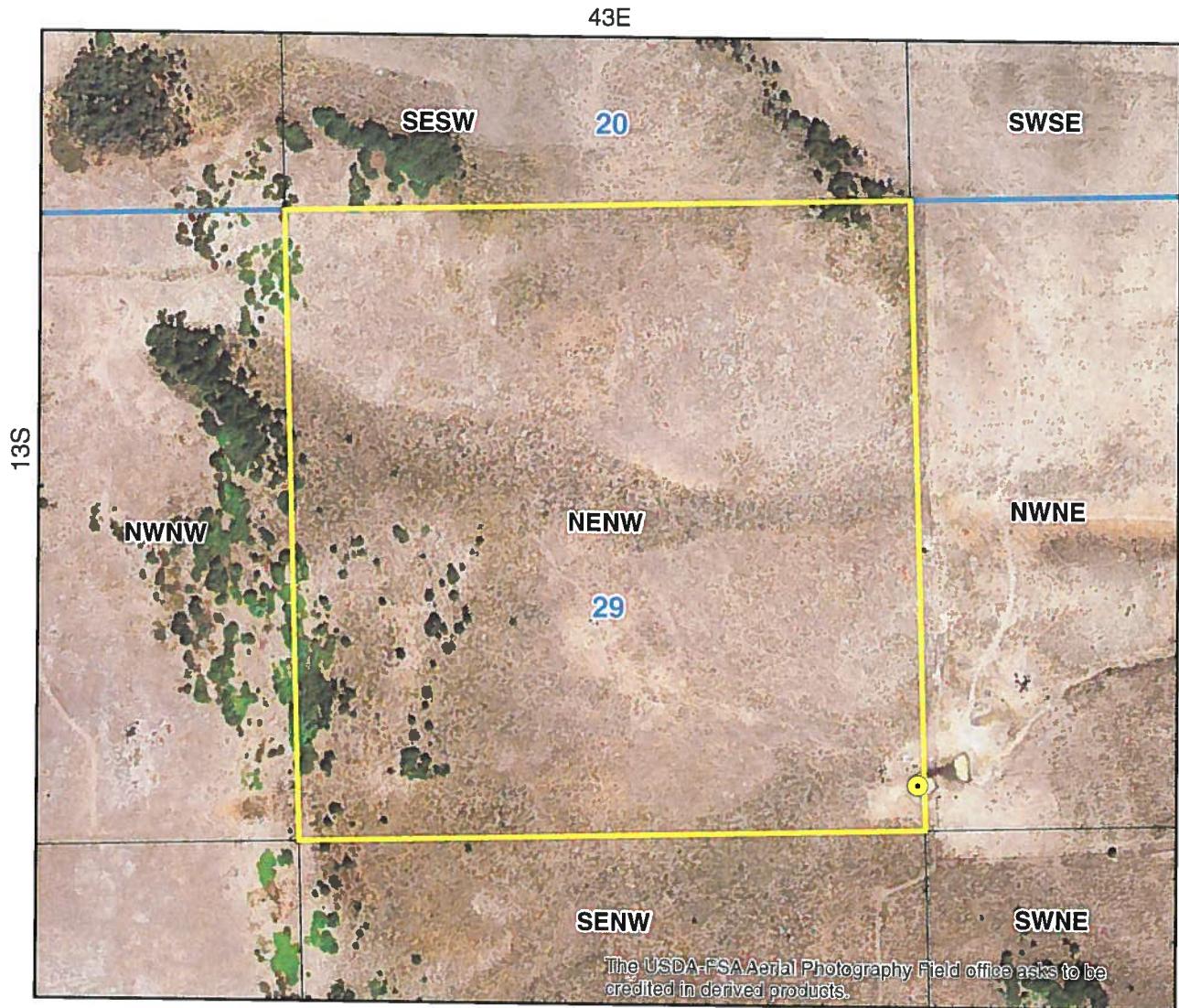
J. AUTHENTICATION

Field Examiner's Name Patrick Kelly Date 10-28-2014

Reviewer Camille S. Skaggs Date 10-30-2014

State of Idaho
Department of Water Resources
Field Exam Map
11-7787

This map depicts the STOCKWATER place of use boundary for this water right at the time of this approval and is attached to the approval document solely for illustrative purposes.



-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections
-  Quarter Quarters

0 0.045 0.09 0.18 Miles

