

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

Permit No: 65-23636

Does this qualify for an in-office field exam (IDAPA 035.02.r)?

Point of Diversion / Pump in the river

Is the permit for:

- 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

Verify that fees have been paid: Yes \$50 W046762

Boise County Parcel Data as of 9/4/2018

A. CONTACT INFORMATION

CHARLES C WEST
KIMBERLY D BOSSE
225 MIDDLEFORK RD
GARDEN VALLEY ID 83622-0000

1. Is the Owner of record correct (y/n): Y
Confirmed by owner via email (see attached)

If **NO**: Owner:

Proof Statement:
534 Juniper Street
Brea CA 92821
714.880.2550

Is the Address of record correct (y/n): Y

If NO: Address: _____

If available:

Phone No: 714.880.2550 E-mail: kbosseone@gmail.com
(Primary)Phone No: _____ E-mail: _____
(Secondary)**B. POINT OF DIVERSION**N Change in POD (y/n)?

Point of Diversion:

Source	Govt. Lot	¼	¼	¼	Sec.	Twp.	Rge.	County
Middle Fork Payette River			NE	NW	10	09N	04E	Boise

Method of Determination: NAIP imagery over several years.

Site tag: none

N Amendment Required (y/n)?**C. SOURCE:**

1. N Change in Source (y/**N**)?

In-office/Field Examination Report

If yes:

Source: _____ tributary to _____

2. Method of Determination/Remarks: aerial photography

N Amendment Required (y/n)?

D. OVERLAP REVIEW POD

Point of Diversion (POD) Overlap:

N y/n) Other water rights with the same point of diversion (POD)?

The point of diversion is a portable pump in the river.

Research tools:

X InfoSearch - Query for other water rights with the same POU

X Use ArcMap for overlapping POU

E. PLACE OF USE: 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	
09N	04E	10					0.5												.5

Total Acres: 0.5

Or:

X See attached map

1. Method of Determination/Remarks: X Field exam, map and GIS

N Amendment Required (y/n)?

F. OVERLAP REVIEW POU

1. Place of Use (POU):

N (y/n): Other water rights with the same place of use (POU)?

Several water rights share the 40 tract. However, they are appurtenant to other properties within the quarter quarter. Mr. West and Ms. Bosse do not hold other rights at this place of use.

Water Righth	Priority Date	Diversion Rate	Source List	Water Use List	Current Owner
65-2713D	5/18/1962	0.464	MIDDLE FORK PAYETTE RIVER	IRRIGATION	CROUCH COMMUNITY CHURCH INC
65-22463	6/1/1866	0.010	MIDDLE FORK PAYETTE RIVER	IRRIGATION	CUMMING, LYNN G; CUMMING, SHERRY C
65-22466	7/1/1873	0.010	MIDDLE FORK PAYETTE RIVER	IRRIGATION	CUMMING, LYNN G; CUMMING, SHERRY C
65-5415A	9/8/1968	0.020	SPRING	DOMESTIC	MARTINEAU, EVON; MARTINEAU, RONALD
65-5415B	9/8/1968	0.020	SPRING	DOMESTIC	POLLEY, DEE; POLLEY, DICK
65-5416	8/4/1969	0.020	SPRING	DOMESTIC	SANDERS, HELEN E
65-7814	1/24/1977	0.040	SPRING	DOMESTIC	MARTINEAU, EVON; MARTINEAU, RONALD
65-10696	6/1/1967	0.040	SPRING	DOMESTIC	SEVERANCE, JEAN L; SEVERANCE, LESLIE R

In-office/Field Examination Report

Research Tools:

- ☒ InfoSearch - Query for other WR's with same POU
☐ POU Comparison Report - Query Tools
☒ Use ArcMap for overlapping POU

For irrigation rights only:

☐ Y ☐ (y/n)? *There are no overlapping water rights*

G. PURPOSE OF USE:

☐ N ☐ Change in purpose of use (y/n):

Method of Determination/Remarks: _____

Non-irrigation uses:

Domestic # of homes: _____

Stock # _____

Other: _____

G. DIVERSION RATE:

Permit 0.02 cfs

Recommended Rate 0.02 cfs

H. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 0.5 \times 3.5 = 1.75 \text{ AF}$$

$$V = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.02 \times 231 \times 1.9835 = 9.2$$

$$V = \text{Smaller of } \underset{\text{I.R.}}{V} \text{ and } \underset{\text{D.R.}}{V} = 1.75 \text{ AF}$$

2. Volume Calculations for Other Uses: NA

I. NARRATIVE/REMARKS/COMMENTS/CHECKLIST

☐ Y ☐ Is there enough information to verify the water right in office (IDAPA 035.02.r)?

We need to be able to verify:

- ☒ Beneficial use
☒ Place of use
☒ Season of use
☒ Point of diversion

Checklist (*you do not need all of these items*):

- ☒ Property tax information
☐ Well driller report – To confirm overlapping domestic well
☐ Receipts
☐ photographs
☒ Aerial photography
☐ Other records of the permit holder
☒ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (**REQUIRED**).

Scale must be 1:24,000 or greater.

**Have conditions of permit approval been met? Y Yes No

NARRATIVE/REMARKS/COMMENTS

Susan Sebastian filed application for permit 65-23636 in 2016, the permit was issued on June 27, 2016. On August 1, 2018, she assigned the permit to Charles West and Kimberly Bosse who filed proof of beneficial use on September 17, 2018.

According to the application for permit, the portable pump in the river supplies water for ½ acre of irrigation. The pump and the irrigation hose are stored during the non-irrigation season.

J. RECOMMENDATIONS

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
IRRIGATION	3/15 to 10/31	0.02 CFS	_____ AF
	Totals:	0.02 CFS	_____ 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 ☒ None

K. AUTHENTICATION

Field Examiner's Name Anna Ben (and) Date 10/11/2018

Reviewer _____ Date _____

THEORETICAL HORSEPOWER EQUATION WORKSHEET (cjh 1/92)

Water Right No.: 65-23636
 Examiner: Sandra Thiel

	Option 1	OPTION 2	OPTION 3	
P/D No.:				
PUMP HORSEPOWER	2	2	2	
BOOSTER HORSEPOWER	0	0	0	
PUMPING LEVEL	10	10	10	
DISCHARGE PRESSURE	50	50	60	
FRICTION	0			
RATE OF FLOW (cfs)	0.10	0.10	0.08	AVE
(gpm)	44.1	44.1	37.2	0.09

The above calculates the formula =

$$Q = \frac{8.8 * (\text{Efficiency}) * \text{hp}}{\text{depth to water} + 2.31 * (\text{psi}) + \text{friction}}$$

Assumptions: %70 efficiency.

Examiners Notes:

Pump information based on application for permit. They intended to use a 2 or 3 horse power pump. The above theoretical shows that a 2 hp pump is capable of suppling irrigation water from the river at the license rate.

Field Report Map

● Point of Diversion / Pump in the river

□ Irrigation Place of Use

□ Sections

QQ

09N04E3SESW

0 100 200 300 Feet

Middle Fork Payette River

09N04E10NENW

