

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 63-33863
Exam Date: 09/26/2023

1. Current Owner:
JOHN SHAYLER SWAN 23885 BOEHNER RD WILDER ID 83676-5527 AND
CHRISTI SWAN 23885 BOEHNER RD WILDER ID 83676-5527
2. Accompanied by: Robert Peterson
Phone No: (541) 490-5141
Address: PO Box 06
Wilder Idaho 83676
Relationship to permit Holder: Current owner of the property.

3. **SOURCE:**
GROUND WATER

Method of Determination: **ArcMap and Field Observation**

B. OVERLAP REVIEW

1. Other water rights with the same place of use: **Canal shares**
2. Other water rights with the same point-of-diversion: **None**

C. DIVERSION AND DELIVERY SYSTEM

1. **LOCATION OF POINT(S) OF DIVERSION:**
GROUND WATER L3 (NW¼ SW¼), Sec. 31, Twp 04N, Rge 04W, B.M. CANYON County

Method of Determination: **ArcMap and Field Observation**

PLACE OF USE: IRRIGATION

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
04N	04W	31										8.0							8.0

Total Acres: 8.0

Method of Determination: **ArcMap and Field Observation**

3.
 - ☒ Delivery System Diagram Attached (required). Indicate all major components and distances between components.
 - ☒ Indicate weir size/pipe as applicable.
 - ☒ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
 - ☒ Aerial Photo Attached (required for irrigation of 10+ acres).
 - ☒ Photo of Diversion and System Attached

4.

Well or Diversion ID No.*
1000707

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Portable Flowmeter	Ultrasonic	General Electric	PT878	04031		April 2023

2. Measurements: maximum flow recorded: 86.9 gpm or 0.19 cfs.

Limit to 0.16 cfs due to only 8 acres being irrigated.

E. VOLUME CALCULATIONS

1. Volume Calculations for irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 8.0 \text{ acres} \times 4.5 \text{ AFA} = 36.0 \text{ AF}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.16 \times 246 \text{ days} \times 1.9835 = 78.1 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = \mathbf{36.0 \text{ AF}}$$

F. NARRATIVE/REMARKS/COMMENTS

On September 26, 2023, I performed a field exam for Water Permit 63-33863 that was permitted for a total of 0.32 cfs from groundwater for irrigation, stock water, and domestic uses. Robert Peterson, the new owner of the property, was present and showed me the developed irrigation system. He mentioned that this well is rarely used due to having canal water on the property. He also mentioned that this well does not provide stock or domestic water which is provided by the older well (drilled in 2011) on the property.

The POD is a well located on the north end of the property by Boehner Road. Water is pumped to irrigation lines that use pod-type sprinklers to irrigate a total of 8.0 acres. I used a General Electric Panametrics PT 878 flow meter and recorded a maximum flow rate of 86.9 gallons per minute or 0.19 cfs.

The Stock water and Domestic water uses were not developed from this well and will be dropped at licensing. Permit conditions have been complied with and I recommend licensing permit 63-33863 for a diversion rate of 0.16 cfs with a volume 36.0 AF for the irrigation of 8.0 acres.

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

G. RECOMMENDATIONS**1. Recommended Amounts**

<u>Beneficial Use</u>	<u>Period of Use</u>	<u>Rate of Diversion</u>	<u>Annual Volume</u>
IRRIGATION	03/01 to 11/15	0.16 CFS	36.0 AF

Totals: 0.16 CFS 36.0 AF

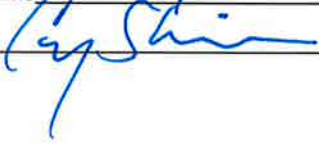
2. Recommended Amendments

☐ 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

H. AUTHENTICATION Kent Aasa -

Field Examiner's Name  Date 09/28/2023

Reviewer  Date 10/23/2023

63-33863 POD/Lockable Works



63-33863 POU



63-33863 GPM Flow Meter Reading



63-33863 System Diagram

Legend



State of Idaho
Department of Water Resources
Water Right
63-33863



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