

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

A. GENERAL INFORMATION

Permit No: 65-24043

Exam Date: 02/08/2022

1. Does this qualify for an in-office field exam (IDAPA 035.02.r)? ☒Y ☐N
- 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: Geoffrey Crandlemire 9 Quail Run Garden Valley, ID 83622

Owner of Record Correct? ☒Y ☐N

Address of Record Correct? ☒Y ☐N

If No: Address

3. Fees have been paid: ☒Y ☐N Receipt No: C111712

4. SOURCE**TRIBUTARY**

Groundwater

Method of Determination: well logs and statement of completion

Change in Source: ☐Y ☒N

B. OVERLAP REVIEW

1. Other water rights with the same place of use: ☐NONE

Water Right No.	Source	Purpose of Use	Basis
65-23517	Middle Fork-Payette River	Irrigation	Decree
65-23519	Middle Fork-Payette River	Irrigation	Decree

Comments: Irrigation on new license is supplemental to surface water rights

2. Other water rights with the same point of diversion: ☒NONE

Water Right No.	Source	Purpose of Use	Basis

Comments:

C. DIVERSION AND DELIVERY SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

Source	Govt. Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.		County
Groundwater			SW	NE	34	10N	04E	B.M.	Boise
								B.M.	
								B.M.	

Method of Determination: Well log and statement of completion

Change in POD? ☐Y ☒N Amendment Required? ☐Y ☒N

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 5 \text{ ac} \times 3.5 \text{ afa} = 17.5 \text{ af}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.15 \text{ cfs} \times 230 \times 1.9835 = 68.4 \text{ af}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = V_{I.R.} = 17.5 \text{ af}$$

2. Volume Calculations for Other Uses:

Domestic use is 0.6 af per household without irrigation per application processing Memo 22.

G. PURPOSE OF USE

Irrigation ☒ Y ☐ N # Stock _____ Domestic # of Homes 1

Other:

Change in Purpose of Use? ☐ Y ☒ N

Method of Determination: GIS examination and proof statement

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

H. NARRATIVE/REMARKS/COMMENTS

Statement of completion was submitted by Geoffrey Crandlemire on January 18, 2022. The permit was for one home and included five acres of irrigation. The well driller's report references well tag D0066334 as the point of diversion (POD). Examination of the well spatial data confirmed this well is relatively located in the same location as the POD on the permit. In examining aerial imagery, the home is located as described in the permit. There was no structure in place in 2013 imagery but is present from 2015 to the 2019 imagery. In 2019 imagery, the POU for irrigation use is largely developed. The place of use (POU) was determined by outlining the home and the cleared area around the home.

Condition 046 was removed from the license. Condition 121 was replaced with condition 103 on the license. Conditions WB7, R59, 943, 01M, 132, and X59 will all be retained on the 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>
Domestic	01/01 – 12/31	0.04 CFS	0.6 AF
Irrigation	03/15 – 10/31	0.15 CFS	17.5 AF
<u>Totals:</u>		0.19 CFS	18.1 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

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	
10N	04E	34			5														5
					x														
		Lot #																	
Total Acres =																			5

Method of Determination: Permit and GIS examination

Change in POU? ____Y __x__N Amendment Required? ____Y __x__N

3. __ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.

__x__ 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
D0066334					

*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: None taken

E. FLOW CALCULATIONS

____Additional Computation Sheets Attached

Measured Method: No direct measurement required per IDAPA 37.03.02.035.01(r). Irrigation recommendation is for 5 acres based on GIS analysis. Permit authorized 0.03cfs/acre in accordance with application processing Memo 17. Home verified by GIS imagery.

Measurement = none taken**Permit allowed = 0.19 cfs****License recommend for 0.19 cfs.**

Recommended rate	Irrigation	0.03 cfs/acre x 5 acres	= 0.15 cfs
	Domestic	0.04 cfs/household	= 0.04 cfs
			= 0.19 cfs

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Other:

J. AUTHENTICATION Laura McSherry

Field Examiner's Name

Date

02-08-2022

Reviewer

Date

2/24/2022

