

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 63-34690

Exam Date: 1/29/2020

1. Current Owner:
 QUENTIN KNIPE 1174 E LEWIS ST BOISE ID 83712-8317
 CATHERINE KNIPE 1174 E LEWIS ST BOISE ID 83712-8317

2. **SOURCE:**
 GROUND WATER

Tributary
 BOISE RIVER

Method of Determination: Permitted for a groundwater diversion pulled from an existing well. Applicant's property is not near surface water sources.

B. OVERLAP REVIEW

1. Other water rights with the same place of use: NO Overlap

Water Right No.	Source	Purpose of Use	Basis

Comments: No domestic POU Overlap. Overlapping water rights are all municipal and irrigation uses.

2. Other water rights with the same point-of-diversion: NO Overlap

Water Right No.	Source	Purpose of Use	Basis

Comments: No POD Overlap

C. DIVERSION AND DELIVERY SYSTEM

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

GROUND WATER SW¼ SE¼, Sec. 11, Twp 03N, Rge 02E, B.M. ADA County

Method of Determination: Legal description in permit validated by PLS data and recent GIS imagery.

PLACE OF USE: DOMESTIC

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
03N	02E	11															X		

Method of Determination: Map of property submitted with application identifies POU. Recent satellite imagery used with ArcMap verify shape and location of domestic water place of use.

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

Y Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.

Y Aerial Photo Attached (required for irrigation of 10+ acres).

N Photo of Diversion and System Attached

4.

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
no information available					

D. FLOW MEASUREMENTS

1. NO FLOW MEASUREMENTS TAKEN

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

E. FLOW CALCULATIONS

 Additional Computation Sheets Attached

Measured Method:

The application suggests the well-used for diversion was drilled before the department required well records be kept. There is not information available regarding this well's lift, hp, or pressure. Theoretical flow calculations are not possible.

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 =$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} =$$

2. Volume Calculations for Other Uses: Conditions of approval limit volume to 13,000 gallons per day

G. NARRATIVE/REMARKS/COMMENTS

Permit No. 63-34690 authorized the diversion of 0.04 cfs from a ground water source for domestic purposes to service an additional property directly next to the property originally serviced by the well. Because the small diversion, the permit qualifies for an in-office field exam. The exam was completed on January 29, 2020 by WRA Anna Kaiser.

Legal description of the POU and POD on the permit were found to be accurate for the property in the name of Quentin and Catherine Knipe. A map outlining the POU and POD was submitted with the application for permit was useful in outlining the place of use. Recent aerial photography of the land show a home existing on the property surrounded by a green lawn suggesting beneficial use is accomplished.

Overlap analysis showed two other groundwater domestic rights with POU's in the same quarter-quarter section as permit no. 63-34690. Satellite imagery and department records suggest only one of those water rights has a POU overlapping the applicant's property. This water right is No. 63-5073 in the name of Boise Warm Springs Water District. Department records suggest this water right is used for heating purposes within the Boise Warm Springs Water District boundary. Water right 63-34690 is to be used for external uses so overlap is not a concern.

Applicant stated on application an existing well with pump will be used for the diversion. The well is indicated to be decades old so no data is available on the water level, total depth, or pressure. The applicant indicated on application the well is located on an adjacent property, 1120 E. Lewis St., and was historically used to irrigate the applicant's property and the aforementioned adjacent property,

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>	
DOMESTIC	01/01 to 12/31	0.04 CFS	

Totals: 0.04 CFS

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

Anna Kaiser - Water Resource Agent

Field Examiner's Name Anna Kaiser Date 1/30/2020

Reviewer Patrick Kelly Date 1-30-2020

State of Idaho
Department of Water Resources
Attachment to Beneficial Use Report
63-34690

This map depicts the place of use boundary, point of diversion, and water delivery mechanism for this water right



Legend

-  Water Permit POD
-  Water Permit POU
-  Township/Range
-  Sections
-  QQ
-  Parcels

40 20 0 40 Meters

03N02E11

03N02E11

63-34690 KNIPE

03-J4090 KNIFE
63-15336 BROVIES

63-15336 BROYLES
63-16260 GARRETT

63-16269 GARRETT

63-16910 BUNTING

63-16982 HOLBROOK

63-17051 BELL

63-17070 SCIGLIANO; WILLIAMSON

63-17113 UBERUAGA II

63-17113 UBERUAGA II
63-19371 CALICUWAV

63-19371 CALLOWAY
62 10392 BYDNE

63-19383 BYRNE

63-19935 ASHER

63-23318 SMITH MD; WEILAND

63-24127 CURINGTON

[illegible]

63-26363 DAVIDSON, MARJORIE

63-26363 DAVIDSON, MARJORIE
63-27630 BRODIGAL STANLEY N

63-27630 PROTIGAL, STANLEY N

63-31962 ST LUKES REGIONAL ME

63-4618 DIXON; MIHELICH; REHMAN

63-4774 BARBER; PLUMB

63-5073 BOISE WARM SPR

63-7165 BROYLES

63-9837 BROVIES

63-9837 BROYLES

[illegible]