

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

A. GENERAL INFORMATIONPermit No: 63-34066Exam Date: 2/19/2019

1. Does this qualify for an in-office field exam (IDAPA 035.02.r)? X 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: Robert and Kaye Bradley
- Owner of Record Correct? X Y N
- Address of Record Correct? X Y N
- If No: Address

There are 2 tax parcels and both parcels show Robert Bradley is listed at the owner.

3. Beneficial Use Fees have been paid: X Y N Receipt No: C106246

4. **SOURCE** **TRIBUTARY**

Ground Water

Method of Determination: Well Driller's Report, GIS, and Tax Parcel DataChange in Source: Y X N**B. OVERLAP REVIEW**

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

Water Right No.	Source	Purpose of Use	Basis

Comments: There are no other rights in this area, which is a bit surprising since this place of use sits in the middle of subdivision. However, there doesn't appear to be any other rights for this 40 acre tract. It also sits uphill from the canal, so there are no canal company rights.

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

Water Right No.	Source	Purpose of Use	Basis

Comments: There are no other rights in this area, which is a bit surprising since this place of use sits in the middle of subdivision with numerous private wells. However, there doesn't appear to be any other rights for this 40 acre tract.

C. DIVERSION AND DELIVERY SYSTEM1. **LOCATION OF POINT(S) OF DIVERSION:**

Source	Govt. Lot	¼	¼	¼	Sec.	Twp.	Rge.		County
Ground Water			SE	SE	27	5N	2W	B.M.	CANYON COUNTY
								B.M.	
								B.M.	

Method of Determination: GIS and Tax Lot data.

Change in POD? X N Amendment Required? X N 2. PLACE OF USE: 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	
5N	2W	27																1.5	1.5
		Lot #																	
Total Acres =																			1.5

Method of Determination: GIS and Tax Lot DataChange in POU? X N Amendment Required? X N 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
Well Pump	Unknown				

*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
NONE						

2. Measurements: No measurement is required for an in-house exam.

E. FLOW CALCULATIONSYES Additional Computation Sheets

Attached

Measured Method:

There was very little information in the file describing the pumping system for this permit. I used the standard irrigation requirements allowed for the irrigation of property less than 5 acres of 0.03 cfs per acre allowed in Processing Administrative Memorandum #17.

Acre Limits = 1.5 acres X 0.03 cfs per acre = 0.05 cfs

Permit allowed = 0.05 cfs

I am recommending a diversion rate of 0.05 cfs, since that is the maximum allowed by memorandum and the permit.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 1.5 \text{ acres} \times 4.5 = 6.8 \text{ af}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.05 \text{ cfs} \times 260 \times 1.9835 = 25.8 \text{ af}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 6.8 \text{ af}$$

2. Volume Calculations for Other Uses:

N/A

G. PURPOSE OF USEIrrigation X Y N # Stock Domestic # of Homes

Other: < >

Change in Purpose of Use? Y NMethod of Determination: Taxlot data and conversations with owner.If Yes: From Use To Use Amount CFS AFA **H. NARRATIVE/REMARKS/COMMENTS**

This permit qualifies for an In-House field examination. I was able to identify the acres irrigated through Google earth and relay those acres to the Department's mapping system. The shape file doesn't quite match the original shape file, but it appears as though a general area was chosen. There is no overlapping water right in this area, so the home is not covered by a water right. I am assuming they are counting the in-house use as being supplied under an exempt water use allowed by Idaho Code §42-227 and §42-111. There are no overlapping municipal rights, and it appears as though every home in this subdivision currently has a well.

The Condition R69 will be carried forward to licensing, and the 121 condition will be changed to 103 as is standard. All of the other conditions on the permit will be dropped at licensing. Condition X59 will be added to show the well is located in Lot 16, Block 1 of Kingsbury Meadows Subdivision, and Condition X60 will be added to show the place of use is located in Lots 15 and 16 of Kingsbury Meadows Subdivision.

Have conditions of permit approval been met? X Yes No

I. **RECOMMENDATIONS**1. **Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
Irrigation	~~04/01 to 10/31~~ 3/1 11/5	0.05 CFS	~~7.5~~ AF 6.8
	Totals:	0.05 CFS	~~7.5~~ AF 6.8

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 X None

Other: < >

J. **AUTHENTICATION – DANIEL A. NELSON – WATER RIGHT ANALYST 3**

Field Examiner's Name  Date 2-15-19

Reviewer  Date 2/24/19

Permit 63-34066 – Field Exam Maps.

The photo below shows the point of diversion (yellow dot) and the place of use (yellow border). This property is comprised of 2 tax parcels. Parcel with the home is Lot 16 and parcel east of the home is Lot 15. The parcel line goes along the trees just east of the home.



Permit 63-34066 -- Field exam Maps

The following is a 2018 Google Earth aerial image of the property that shows the entire property being irrigated.

