

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

A. GENERAL INFORMATIONPermit No: 63-33993

Exam Date: 3/10/2020

1. Does this qualify for an in-office field exam (IDAPA 37.03.02.035.01.r)? X Y N
- a. Irrigation of 5 acres or less
 - b. Storage of up to 14.6 AF for stockwater purposes only
 - c. Any use other than irrigation or storage, if the combined diversion rate is 0.24 cfs or less
 - d. Other < >

2. Current Owner: Name: Patrick E. and Judith A. Craig
Owner of Record Correct? X Y N
Address of Record Correct? Y N
If No: Address

The Department's tax parcel data shows the property is in the ownership of Craig Family trust UTA 2001, Patrick E. Craig Trustee. I don't foresee any issues with the ownership of the property.

3. Beneficial Use Fees have been paid: X Y N Receipt No: C108348

4. **SOURCE** TRIBUTARY

Ground Water

Method of Determination: 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 overlapping water rights for the point of diversion.

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

Water Right No.	Source	Purpose of Use	Basis

Comments: The application states that the permit holder doesn't have any canal shares, so they should not be an issue. There are no other overlapping water rights.

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
Well			NW	SE	10	3N	4W	B.M.	CANYON
								B.M.	
								B.M.	

Method of Determination: Application for Permit, Warranty Deed, GIS, and Tax Lot data.

PLEASE NOTE: The well driller's report shows the point of diversion in the NWSE, but it doesn't show the actual location of the well. I used the information supplied in the application for permit to correctly identify the well location.

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	
3N	4W	10														1.8			1.8
																D			
																S			
Total Acres =																			1.8

Method of Determination: Warranty Deed, 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	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 CALCULATIONS
AttachedYES Additional Computation Sheets

Measured Method:

Other than the photos sent with the proof of beneficial use form, there is not enough information in the file to limit the diversion rate to a specific diversion rate. Therefore, I am required to fall back on the standard for domestic use set forth by Administrative Processing Memorandum #22 and Administrative Processing Memorandum #3 for the stockwater. I counted on the acres irrigated determined in GIS and Administrative Processing Memorandum #17 for the irrigation use.

Administrative Memorandum #22 = 0.04 cfs for domestic use
Permit allowed = 0.04 cfs for domestic use

Administrative Memorandum #3 = 0.02 cfs for 0-10 head of horses
Permit allowed = 0.02 cfs

Administrative Memorandum #17 = 0.03 cfs X 1.8 acres = 0.05 cfs
Permit allowed = 0.09 cfs

I am recommending 0.04 cfs for domestic use, 0.02 cfs for stockwater, and 0.05 cfs for irrigation for a total of 0.11 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 1.8 \times 4.5 = 8.1 \text{ af}$$

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

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 8.1 \text{ af}$$

2. Volume Calculations for Other Uses:

I am using the Administrative Processing Administrative Memorandum #22 to determine the volume for the domestic use. The domestic use is only for in-house use, since the yard irrigation is covered by the irrigation portion of this permit. Therefore, the domestic use should be limited to 0.6 af. Administrative Processing Memorandum #3 authorizes 0.2 af for 0-10 head of horses.

Therefore, I am recommending 0.6 af for domestic use, 0.2 af for stockwater use, and 8.1 af for irrigation for a total of 8.9 af. 8.9 af can easily be covered by the recommended diversion rates.

G. PURPOSE OF USE

Irrigation Y N # Stock 10 Domestic # of Homes 1

Other: < >

Change in Purpose of Use? Y X N

Method 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 examination. There doesn't appear to be any significant issues with this permit. I originally had concerns about whether or not this property was within the borders of a canal company, but it is clearly within the borders of Weiser Irrigation District. The review checklist states that this permit is within the Nampa Meridian Irrigation District, but the checklist states that the permit holder doesn't own canal shares. According to the contour lines, this property sits a small hill, so it is reasonable to assume that this property doesn't have any canal shares, because they would need to pump the canal water to get it to the property.

I was able to attain photos from Google Earth, but it appears as though these photos were taken before the irrigation of the pasture was developed. However, GIS imagery confirm that irrigation has occurred. The photos from Google Earth do provide a visual aspect that allowed me to determine the shape of the home.

Conditions 132 and R69 will be carried forward to licensing. Condition 121 will be changed to 103 as is standard. The remaining conditions will not be carried forward to licensing. The water bearing zone condition will be removed, since this place of use is outside the Basin 63 Restricted Area, and meets the water bearing zone requirements.

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>
Domestic	01/01 to 12/31	0.04 CFS	0.6 AFA
Stockwater	01/01 to 12/31	0.02 CFS	0.2 AFA
Irrigation	03/01 to 11/15	0.05 CFS	8.1 AFA
<u>Totals:</u>		0.11 CFS	8.9 AFA

Please Note: This is a surface water right, so no volume will be included on the water right license.

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 Daniel A. Nelson Date 3-10-20

Reviewer Angela M. Gunn Date 4/2/2020

Field Exam Map:

The yellow border shows the irrigation use, and the red border shows the domestic and stockwater use for this permit and the yellow dot shows the point of diversion. The Tax Parcel information shows the home was constructed in 1937.



The following is a Google Earth aerial imagery that shows the property.



The following are photos from Google Earth.

