

NOV 07 2016

DEPT OF WATER RESOURCES
SOUTHERN REGIONSTATE OF IDAHO
DEPARTMENT OF WATER RESOURCESTransfer No. 81296**MINIMUM REQUIREMENTS CHECKLIST**
TO BE SUBMITTED WITH APPLICATION FOR TRANSFER

An application for transfer must be prepared in accordance with the minimum requirements listed below to be acceptable for processing by the Department. Incomplete applications will be returned. The instructions, fee schedule, Part 2A reports and additional Part 2B forms are available from any Department office or on the Department's website at www.idwr.idaho.gov.

Name of Applicant(s) Brandon Williams and/or Dixie Williams**Check whether each item below is *attached* (Yes) or *not applicable* (N/A) for the proposed transfer.**Yes N/A * Means the item is always required and must be included with the application.

- ☒ * Completed Application for Transfer of Water Right form, Part 1.
- ☐ * Signature of applicant(s) or applicant's authorized representative on Application for Transfer Part 1. Include evidence of authority labeled Attachment #3 (see below) if signed by representative.
- ☒ * Application for Transfer Part 2A. Attach a [Part 2A](#) report describing each water right in the transfer as currently recorded.
- ☒ ☐ Complete and attach an Application for Transfer [Part 2B](#) for each water right for which only a portion is proposed to be changed through this transfer application.
- ☒ * Application for Transfer Part 3A is always required (see Attachment #7a below); Parts 3B and 3C must be completed for transfer applications proposing to change the nature of use of the water right(s) or proposing changes to supplemental right(s).
- ☒ * Correct fee submitted with transfer application form. ([Fee schedule](#) is on website and instructions for application for transfer.)

Attachments to Application - Label each attachment with the corresponding number shown below as Attachment #1-10.

- ☐ ☒ #1 If the applicant is a business, partnership, organization, or association, and not currently registered in the State of Idaho as a business entity, attach documentation identifying officers authorized to sign or act on behalf of right holder. (See Part 1.)
- ☒ ☐ #2a Water Right ownership documentation if Dept. records do not show the applicant as the current water right owner. **
- ☒ ☐ #2b If the ownership of the water right will change as a result of the proposed transfer to a new place of use, attach documentation showing land and water right ownership at the new place of use. Include documentation for all affected land and owner(s). **
** Additional fee(s) required for water right ownership changes; see fee schedule.
- ☐ ☒ #3 Documentation of authority to make the change if the applicant is not the water right owner.
- ☐ ☒ #4 Power of Attorney or documentation providing authority to sign or act on the applicant's behalf. (See Part 1.)
- ☐ ☒ #5 If the transfer application proposes to change the point of diversion for a water right affecting the Eastern Snake Plain Aquifer (ESPA), attach the results of an ESPA analysis and a detailed mitigation plan to offset any depletions to hydraulically connected reaches of the Snake River. ESPA transfer spreadsheet and model grid labeled cells are available on the Department's website at www.idwr.idaho.gov/WaterManagement/WaterRights/WaterRightTransfers/resources.htm.
- ☐ ☒ #6 Notarized statement of agreement or a statement on official letterhead signed by an authorized representative from each lien holder or other entity with financial interest in the water right(s) or land affected by the proposed transfer. (See Part 1.5.c.)
- ☒ * #7a Attach a map identifying the proposed point(s) of diversion, place(s) of use, and water diversion and distribution system details as described on the application. Include legal description labels. If only a portion of the right is proposed to be changed, identify the current location of the part of the existing right(s) proposed to be changed. (See Part 3A.)
- ☒ ☐ #7b If the transfer application proposes to change the place or purpose of use of an irrigation right attach a Geographic Information System ([GIS](#)) shape file, or an aerial photo or other image clearly delineating the location and extent of existing acres and changes to the place of use. If some or all of any right is leased to the Water Supply Bank, you must also show the the specific location and/or acres to be idled at the new, proposed place of use to satisfy lease requirements.
- ☐ ☒ #8a If the transfer application proposes to change the nature of use or period of use for one or more rights, provide documentation describing the extent of historic beneficial use for the water rights proposed to be transferred and document how enlargement will be avoided. (See Part 3B.) Additional fee required for proposed changes to nature of use; see [fee schedule](#).
- ☐ ☒ #8b If the transfer application proposes to change the place of use of a supplemental irrigation right, provide documentation regarding the historic use of the supplemental right(s) and availability or reliability of the primary right(s) being supplemented, both before and after the proposed change. (See Part 3C.)
- ☐ ☒ #9 Water Supply Bank information for all rights proposed for transfer and currently leased to the Bank. ([Attachment WSB](#))
- ☐ ☒ #10 Other. Please describe: _____

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

RECEIVED

NOV 07 2016

DEPT OF WATER RESOURCES
SOUTHERN REGION

APPLICATION FOR TRANSFER OF WATER RIGHT PART 1

Name of Applicant(s) Brandon Williams and/or Dixie Williams Phone _____Mailing address 105 Snowplant Road, Hailey, Idaho 83333 Email _____

- ☐ If applicant is not an individual and not registered to do business in the State of Idaho, attach documentation identifying officers authorized to sign or act on behalf of the applicant. Label it Attachment #1.
- ☐ Attach water right ownership documentation if Department records do not show the transfer applicant as the current water right owner. Label it Attachment #2a.
- ☐ If the ownership of the water right will change as a result of the proposed transfer to a new place of use, attach documentation showing land and water right ownership at the new place of use. Include documentation for all affected land and owner(s). Label it Attachment #2b.
- ☐ Attach documentation of authority to make the proposed change if the applicant is not the water right owner. Label it Attachment #3.

Provide contact information below if a consultant, attorney, or any other person is representing the applicant in this transfer process.

☐ No RepresentativeName of Representative Greg Sullivan, Brockway Engineering PLLC Phone 208-736-8543Mailing address 2016 North Washington St Ste 4 Twin Falls, Idaho 83301 Email greg.sullivan@brockwayeng.com

- ☐ Send all correspondence for this application to the representative and not to the applicant.
OR
- ☒ Send original correspondence to the applicant and copies to the representative.
- ☒ The representative may submit information for the applicant but is not authorized to sign for the applicant.
OR
- ☐ The representative is authorized to sign for the applicant. Attach a Power of Attorney or other documentation providing authority to sign for the applicant and label it Attachment #4.

I hereby assert that no one will be injured by the proposed changes and that the proposed changes do not constitute an enlargement in use of the original right(s). The information contained in this application is true to the best of my knowledge. I understand that any willful misrepresentations made in this application may result in rejection of the application or cancellation of an approval.

[Signature]
Signature of Applicant or Authorized Representative

BRANDON WILLIAMS
Print Name and Title if applicable

8/28/16
Date

[Signature]
Signature of Applicant or Authorized Representative

Dixie Williams
Print Name and Title if applicable

8/28/16
Date

A. PURPOSE OF TRANSFER

1. ☒ Change point of diversion ☐ Add diversion point(s) ☒ Change place of use
☐ Change nature of use ☐ Change period of use ☐ Other _____

2. Describe your proposal in narrative form, including a detailed description of non-irrigation uses to justify amounts transferred (i.e. number of stock, etc.), and provide additional explanation of any other items on the application. Attach additional pages if necessary and label it Part 1A.2.

This transfer will change the point of diversion and adjust the place of use for the portion of water right applicable to
Grove Creek Subdivision Lot 1 Block 1.

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

APPLICATION FOR TRANSFER OF WATER RIGHT

PART 1 Continued

B. DESCRIPTION OF RIGHTS AFTER THE REQUESTED CHANGES. IF THE RIGHTS ARE BEING SPLIT, DESCRIBE PORTIONS TO BE CHANGED AS THEY WOULD APPEAR AFTER THE REQUESTED CHANGES.

1.	Right Number	Amount (cfs/ac-ft)	Nature of Use	Period of Use	Source & Tributary
All or Part ☐ ☒	37-159D	0.03/4.5	Irrigation	4/01 to 11/01	East Fork Wood River
☐ ☐				to	
☐ ☐				to	
☐ ☐				to	
☐ ☐				to	
☐ ☐				to	
☐ ☐				to	
☐ ☐				to	
☐ ☐				to	

Total authorized under rights 0.06 cfs and/or 9.0 acre-feet.

2. Total amount of water proposed to be transferred or changed 0.03 cubic feet per second and/or 4.5 acre-feet per year.

3. Point(s) of Diversion:

- ☐ No changes to point(s) of diversion are proposed - the following chart is therefore not completed. (Proceed to #4.)
- ☐ Attach Eastern Snake Plain Aquifer analysis if this transfer proposes to change a point of diversion affecting the ESPA. Label it Attachment #5.

New ?	Lot	¼	¼	¼	Sec	Twp	Rge	County	Source	Local name or tag #
			NW	SW	8	03N	18E	Blaine	East Fork Wood River	

4. Place of use: (If irrigation, identify with number of acres irrigated per ¼ ¼ tract.)

- ☐ No changes to place of use are proposed - the following chart is therefore not completed. (Proceed to #5.)

Twp	Rge	Sec	NE ¼				NW ¼				SW ¼				SE ¼				Acre Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
03N	18E	8										1.5							1.5
Total Acres (for irrigation use)																			1.5

**IDAHO DEPARTMENT OF WATER RESOURCES
APPLICATION FOR TRANSFER OF WATER RIGHT
PART 2A**

Current Water Right No.: 37-159D

Current Owner: JACK W FLAMMER JR

Priority Date: 7/30/1888

Origin: Water Right

Status: Active

Basis: Decreed

Source

GROUND WATER

Tributary

EAST FORK WOOD RIVER

Beneficial Use

IRRIGATION

From To

04/01 to 11/01

Diversion Rate

0.06 CFS

Annual Volume

9 AF

Total Diversion

0.06 CFS

9 AF

Location of Point(s) of Diversion

GROUND WATER

NW1/4SW1/4

Sec. 8, Twp 03N, Rge 18E B.M.

BLAINE County

Place of Use

IRRIGATION Within BLAINE County

T03N R18E S8

NWSW

3.00

Total Acres: 3

Conditions of Approval:

1. X53 Diversion of groundwater is limited to those times water is available for diversion under this right and priority from the East Fork Wood River.
2. T08 Failure of the right holder to comply with the conditions of this transfer is cause for the Director to rescind approval of the transfer.
3. T19 Pursuant to Section 42-1412(6), Idaho Code, this water right is subject to such general provisions necessary for the definition of the rights or for the efficient administration of water rights as determined by the Snake River Basin Adjudication court in the final unified decree entered 08/26/2014.
4. R43 The right holder shall maintain a measuring device and lockable controlling works of a type approved by the Department in a manner that will provide the watermaster suitable control of the diversion.
5. R67 This right when combined with all other rights shall provide no more than 0.03 cfs per acre nor more than 3.5 afa per acre at the field headgate for irrigation of the place of use.
6. R05 Use of water under this right will be regulated by a watermaster with responsibility for the distribution of water among appropriators within a water district. At the time of this approval, this water right is within State Water District No.37.
7. T07 The right holder shall accomplish the change authorized by this transfer within one year of the date of this approval.

Page 5 of 8

Decreed Date: 6/2/2010

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

APPLICATION FOR TRANSFER OF WATER RIGHT

PART 1 Continued

5. General Information:

- a. Describe the complete diversion system, including how you will accommodate a measuring device and lockable controlling works should they be required now or in the future:

New domestic well that was drilled in 2016.

- b. Who owns the property at the point(s) of diversion? Brandon Williams and Dixie Williams

If other than the applicant, describe the arrangement enabling the applicant to access the property for the diversion system:

- c. Are the lands from which you propose to transfer the water right subject to any liens, deeds of trust, mortgages, or contracts?

If yes, ☐ attach a notarized statement from the holder of the lien, deed of trust, mortgage or contract agreeing to the proposed changes on official letterhead signed by an authorized representative. Label it **Attachment #6**. List the name of the entity and type of lien: No

It is the applicant's responsibility to provide notice to lien holder, trustee, mortgagor, or contract holder of the proposed changes that may impact or change the value of the water rights or affected real property. Any misrepresentation of legal encumbrance on this application may result in rejection of the application or cancellation of an approval.

- d. Are any of the water rights proposed for transfer currently leased to the Water Supply Bank?

If yes, ☐ complete Attachment WSB.

- e. Describe the effect on the land now irrigated if the place or purpose of use is changed pursuant to this transfer:

No Change

- f. Describe the use of any other water right(s) for the same purpose or land, or the same diversion system as right(s) proposed to be transferred at both the existing and proposed point(s) of diversion and place(s) use:

None

- g. To your knowledge, has/is any portion of the water right(s) proposed to be changed:

Yes No

- ☐ ☒ undergone a period of five or more consecutive years of non-use,
☐ ☒ currently leased to the Water Supply Bank,
☐ ☒ currently used in a mitigation plan limiting the use of water under the right, or
☐ ☒ currently enrolled in a Federal set-aside program limiting the use of water under the rights?

If yes, describe:

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

APPLICATION FOR TRANSFER OF WATER RIGHT

PART 3

A. PLAT MAP (See Part 3A of Instructions for application for transfer for complete requirements.)

- ☒ Attach a map of the diversion, measurement, control, and distribution system. Label it **Attachment #7a**.
- ☐ If the transfer application proposes to change the place or purpose of use of an irrigation right attach a Geographic Information System (**GIS**) shape file, or an aerial photo or other image clearly delineating the location and extent of existing acres and changes to the place of use. Label it **Attachment #7b**.

If the place of use currently consists of a permissible place of use, then the attachment is not required if the application contains a clear statement that the boundaries for the place of use are not proposed to be changed by the transfer and the total number of irrigated acres within the place of use before and after the transfer is clearly stated.

If any part of the irrigation water right is leased to the Water Supply Bank, you must also specify the location and number of acres that will remain idled for the duration of the lease contract at the new, proposed place of use.

B. CHANGES IN NATURE OF USE (Water Balance)

- ☐ If you propose to change the nature of use or period of use of all or part of the right(s) listed in this application, attach documentation describing the extent of historic beneficial use of the portion of the right(s) proposed to be changed. Also attach documentation showing that the portion of the right(s) to be changed will not be enlarged in rate, volume, or consumptive use through the proposed change. Label it **Attachment #8a**.

C. PLACE OF USE CHANGES TO SUPPLEMENTAL IRRIGATION RIGHTS

- ☐ If you propose to change the place of use of a supplemental irrigation right, answer below and attach supporting documentation. Label it **Attachment #8b**.

Describe how the supplemental water rights have been used historically in conjunction with other water rights at the existing place of use. Describe the time during the irrigation season that the supplemental rights have been used. Include information about the availability or reliability of the primary right(s) being supplemented, both before and after the change. If the applicant is proposing to change a supplemental irrigation right to a primary right, provide the information required on Part 3B above:

[illegible]**FOR DEPARTMENT USE ONLY**

Transfer contains 8 pages and 8 attachments.

Received by AM Date 11-7-2016 Preliminary check by _____ Date _____

Fee paid \$225- Date 11-7-2016 Received by AM Receipt # 5035807

Add'l fee paid _____ Date _____ Received by _____ Receipt # _____

Check all that apply: Attachment WSB ☐ (copy sent to state office) Lessor Designation form ☐ &/or W-9 ☐ (originals to state office)

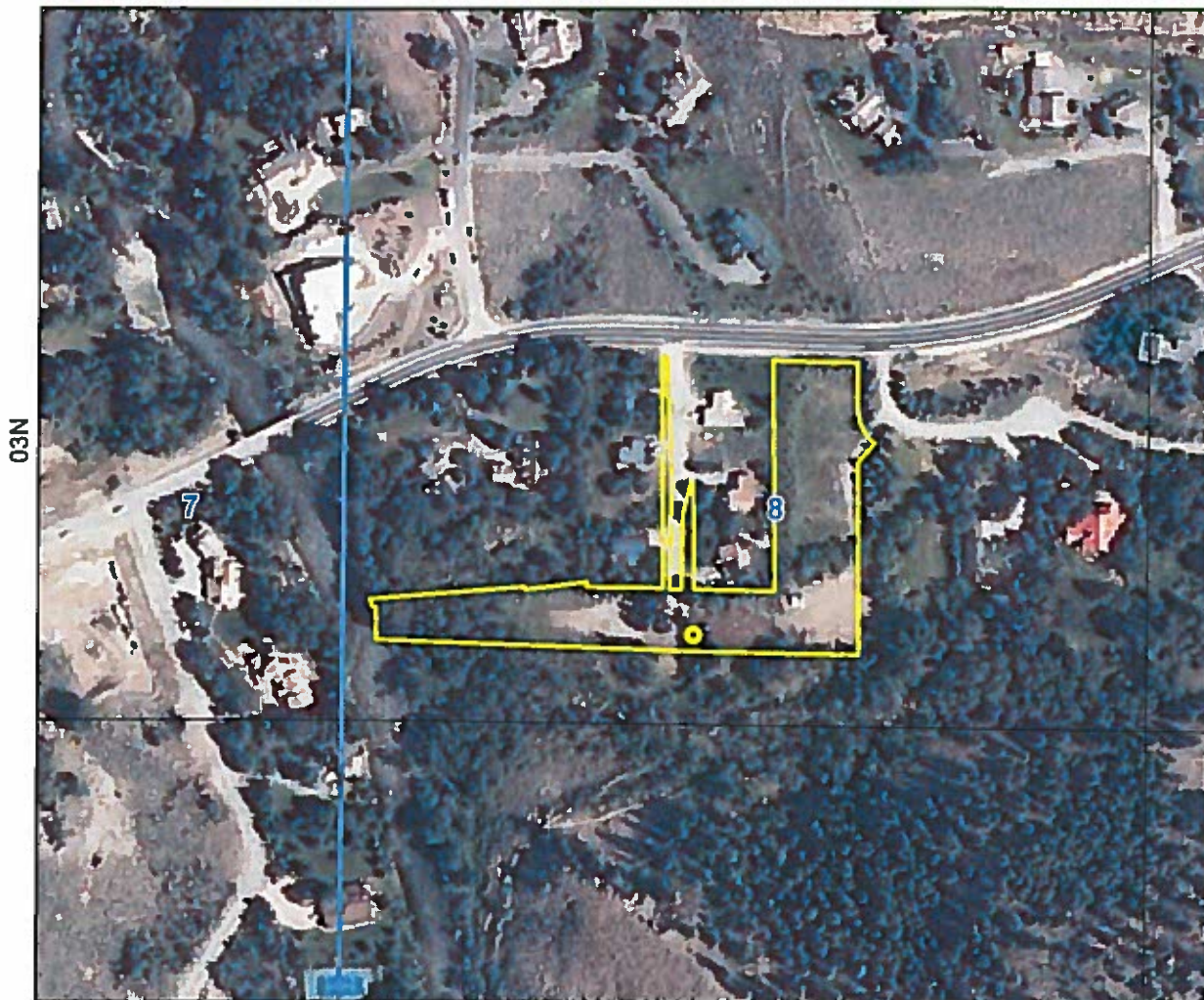
State of Idaho
Department of Water Resources

Water Right
37-159D

IRRIGATION

The map depicts the place of use for the water use listed above and point(s) of diversion of this right as currently derived from interpretations of the paper records and is used solely for illustrative purposes. Discrepancies between the computer representation and the permanent document file will be resolved in favor of the actual water right documents in the water right file.

18E



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

0 0.035 0.07 0.14 Miles



Map produced on November 03, 2016

TRANSFER 81296

TRANSFER 81296



FLAMMER TO WILLIAMS TRANSFER

TRANSFER - 37-159D POU/POD
NAIP 2013 AERIAL

0 125 250 500 Feet
BROCKWAY ENGINEERING, PLLC.
GWS -Date: 8/2/2016

Legend
 ● Point of Diversion
 ■ township
 ■ WILLIAM POU
 ■ Sections
 ■ ladesec





WARRANTY DEED

FOR VALUE RECEIVED

Jack W. Flammer Jr, a single man

GRANTOR(S), hereby grants, bargains, sells, conveys and warrants unto

Brandon Williams and Dixie Williams, as husband and wife

GRANTEE(S) whose current address is: 105 Snowplant Rd., Hailey, ID 83333

the following described premises, to-wit:

Lot 1 in Block 1 of GROVE CREEK SUBDIVISION, according to the official plat thereof, recorded as Instrument No. 190361, records of Blaine County, Idaho.

TO HAVE AND TO HOLD the said premises, with their appurtenances unto the said Grantee, its heirs and assigns forever. And the said Grantor does hereby covenant to and with the said Grantee, that Grantor is the owner in fee simple of said premises; that they are free from all encumbrances except those to which this conveyance is expressly made subject to and those made, suffered or done by the Grantee; and subject to all existing patent reservations; restrictions in railroad deeds of record; easements and rights of way established and of record; protective covenants of record; zoning ordinances and applicable building codes, use restrictions, ordinances, laws and regulations of any governmental unit; general taxes and assessments, including irrigation and utility assessments (if any) for the current year, which are not due and payable; and that Grantor will warrant and defend the same from all lawful claims whatsoever. Whenever the context so requires, the singular number includes the plural.

Dated this 1 day of ^{Aug}~~July~~, 2016.

A handwritten signature of Jack W. Flammer Jr. is written over a horizontal line. The signature is in cursive and appears to read "Jack W. Flammer Jr".

Jack W. Flammer Jr

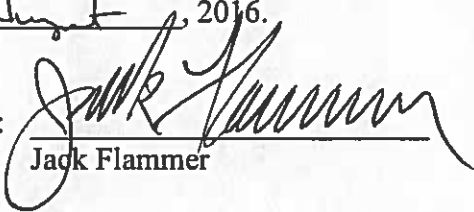
QUITCLAIM DEED

For value received, Jack Flammer, as grantor hereby quitclaims unto Brandon Williams and/or Dixie Williams, the grantee whose current address is 105 Snowplant Road, Idaho 83333, all of the grantor's right, title, and interest in and to the following described water rights situated in Power County, Idaho, on record with the Idaho Department of Water Resources:

A portion of water right 37-159D that has a priority date of 7/30/1888. The portion to be conveyed is 0.03/4.5 cfs/afa and allows the irrigation of 1.5 acres.

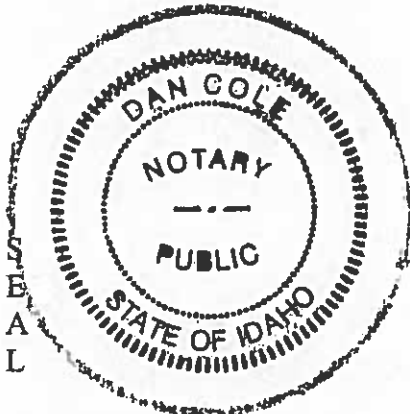
Grantor has caused this quitclaim deed to be executed this 26th day of August, 2016.

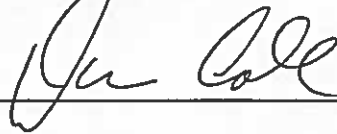
By:


Jack Flammer

State of Idaho)
) S.S.
County of Blaine)

On this 26th day of August, in the year of 20 16, before me, a Notary Public, personally appeared Jack Flammer, proved to me on The basis of satisfactory evidence to be the person whose name is subscribed to the within instrument, and acknowledged that he executed the same.





Notary Public
In and for said State and County

Dec 28, 2016

My Commission Expires on

Transmissivity Estimation with Partial Penetration

Bradbury and Roithschild (1985) specific capacity method.

Suitable for situations where a single time and drawdown measurement is available.

Includes effects of partial penetration using Sternberg (1973) approach.

Enter data in blue, pay attention to units. Vary "Trial T" until equal to "Calc T".

Well No.	Name	Location*	Pumping Rate [gpm]	Drawdown [ft]	Time [min]	Well radius [in]	Storativity	SWL [ft]	Aquifer bottom [ft]	Open interval [ft]	Aquifer thickness [ft]	Specific capacity	L/b	G	sp	Trial T (vary) [ft ² /d]	Calc T [ft ² /d]	Calc K [ft/d]	ln K
1	Jerry Kirkman	3N18E8NWSW	25	3	30	6	0.15	17	32.0	1.0	15.0	8.3	0.07	2.51	12.52	4294.1	4294.1	286.3	5.66
2	Larry Wilde	3N18E8NWSW	20	2	60	6	0.15	13	-	1.0	32.0	10.0	0.03	2.73	44.33	15197.4	15197.4	474.9	6.16
3	Clay Carter	3N18E7NESE	25	10	60	6	0.15	12	-	1.0	19.0	2.5	0.05	2.59	18.83	1763.7	1763.7	92.8	4.53
4	Crunnys Huxley	3N18E7NESE	36	5	120	6	0.15	10	-	1.0	28.0	7.2	0.04	2.70	35.80	9080.4	9080.4	324.3	5.78
5	Ruth Williams	3N18E7NESE	35	17	120	6	0.15	18	-	1.0	39.0	2.1	0.03	2.77	60.42	4124.8	4124.8	105.8	4.66
6	Kremin Huxley	3N18E7NESE	30	1	60	6	0.15	10	-	1.0	21.0	30.0	0.05	2.62	22.30	25580.6	25580.6	1218.1	7.11
7	Elmar Grabher	3N18E7NESE	65	5	60	10	0.15	12	41.0	12.0	41.0	13.0	0.29	1.66	5.41	3775.1	3775.1	92.1	4.0
Mean																	9116.6	370.6	5.5
Median																	4294.1	286.3	5.7
Max																	25580.6	1218.1	7.1
Min																	1763.7	92.1	4.5
Std dev																	8551.9	400.7	1.0

TRANSFER 81296

Estimation of Timing of Aquifer-Stream Interaction

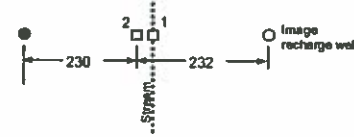
PROJECT: Jack Flammer
Brockway Engineering, PLLC

Hydraulic conductivity 370.6 ft/day
Aquifer saturated thickness 27.9 feet
Transmissivity 9116.6 ft²/d
Storage coefficient 0.15

These assumptions apply.
Method of images used to estimate
ground water gradient at stream boundary.

Pumping rate 44.8 gpm = 8625 ft³/d
Pumping time 24 hrs
Distance from Pump to River 231 feet
PUMPING WELL

Pumping well



RESULTANT using
R = 230' (pumping) and
R = 232' (image)

Portion of total discharge
supplied by the stream
(after Glover and Balmer, 1954)

Time (hrs)	R = 232 feet			R = 230 feet			IMAGE WELL R = 232 feet		Gradient at river		x'		Qs / Q
	u	W(u)	z (feet)	u	W(u)	z (feet)	z (feet)	z (feet)	z (feet)	z (feet)	Qs / Q	Qs / Q	
0	—	—	0.000	—	—	0.000	0.000	0.0000	0.0000	0.000	4.609	3.669	0.0%
0.25	21.2	0.000	0.000	20.9	0.000	0.000	0.000	0.0000	0.0000	0.000	3.259	1.149	0.0%
0.5	10.6	0.000	0.000	10.4	0.000	0.000	0.000	0.0000	0.0000	0.000	2.661	0.493	0.0%
0.75	7.1	0.000	0.000	7.0	-0.003	0.000	0.000	-0.0002	-0.0002	-0.063	2.305	0.236	0.0%
1	5.3	0.001	0.000	5.2	0.001	0.000	0.000	0.0000	0.0000	0.002	1.882	0.062	0.0%
1.5	3.5	0.007	0.001	3.5	0.007	0.001	-0.001	0.0000	0.0000	0.010	1.630	0.026	0.0%
2	2.7	0.020	0.002	2.6	0.022	0.002	-0.002	0.0001	0.0001	0.025	1.458	0.030	2.6%
2.5	2.1	0.041	0.003	2.1	0.043	0.003	-0.003	0.0002	0.0002	0.042	1.331	0.048	3.0%
3	1.8	0.068	0.005	1.7	0.071	0.005	-0.005	0.0002	0.0002	0.059	1.232	0.070	4.8%
3.5	1.5	0.097	0.007	1.5	0.101	0.008	-0.007	0.0003	0.0003	0.076	1.152	0.094	7.0%
4	1.3	0.130	0.010	1.3	0.134	0.010	-0.010	0.0003	0.0003	0.092	1.086	0.118	9.4%
4.5	1.2	0.163	0.012	1.2	0.169	0.013	-0.012	0.0004	0.0004	0.106	1.031	0.141	11.8%
5	1.1	0.198	0.015	1.0	0.204	0.015	-0.015	0.0005	0.0005	0.120	0.983	0.162	14.1%
5.5	1.0	0.232	0.018	0.9	0.239	0.018	-0.018	0.0005	0.0005	0.132	0.941	0.182	16.2%
6	0.9	0.267	0.020	0.9	0.274	0.021	-0.020	0.0005	0.0005	0.143	0.904	0.201	18.2%
6.5	0.8	0.301	0.023	0.8	0.309	0.023	-0.023	0.0006	0.0006	0.153	0.871	0.219	20.1%
7	0.8	0.335	0.025	0.7	0.343	0.026	-0.025	0.0006	0.0006	0.162	0.842	0.236	21.9%
7.5	0.7	0.368	0.028	0.7	0.377	0.028	-0.028	0.0006	0.0006	0.170	0.815	0.252	23.6%
8	0.7	0.401	0.030	0.7	0.410	0.031	-0.030	0.0007	0.0007	0.178	0.790	0.266	25.2%
8.5	0.6	0.432	0.033	0.6	0.442	0.033	-0.033	0.0007	0.0007	0.185	0.768	0.280	26.6%
9	0.6	0.464	0.035	0.6	0.473	0.036	-0.035	0.0007	0.0007	0.191	0.748	0.294	28.0%
9.5	0.6	0.494	0.037	0.5	0.504	0.038	-0.037	0.0007	0.0007	0.197	0.729	0.306	29.4%
10	0.5	0.524	0.039	0.5	0.534	0.040	-0.039	0.0008	0.0008	0.203	0.711	0.318	30.6%
10.5	0.5	0.553	0.042	0.5	0.563	0.042	-0.042	0.0008	0.0008	0.208	0.695	0.329	31.8%
11	0.5	0.581	0.044	0.5	0.592	0.045	-0.044	0.0008	0.0008	0.213	0.680	0.340	32.9%
11.5	0.5	0.609	0.046	0.5	0.620	0.047	-0.046	0.0008	0.0008	0.217	0.665	0.350	34.0%
12	0.4	0.636	0.048	0.4	0.647	0.049	-0.048	0.0008	0.0008	0.221	0.652	0.360	35.0%
12.5	0.4	0.662	0.050	0.4	0.674	0.051	-0.050	0.0009	0.0009	0.225	0.639	0.369	36.0%
13	0.4	0.688	0.052	0.4	0.700	0.053	-0.052	0.0009	0.0009	0.229	0.627	0.378	36.9%
13.5	0.4	0.714	0.054	0.4	0.725	0.055	-0.054	0.0009	0.0009	0.232	0.616	0.386	37.8%
14	0.4	0.738	0.056	0.4	0.750	0.056	-0.056	0.0009	0.0009	0.236	0.605	0.394	38.6%
14.5	0.4	0.762	0.057	0.4	0.774	0.058	-0.057	0.0009	0.0009	0.239	0.595	0.402	39.4%
15	0.4	0.786	0.059	0.3	0.798	0.060	-0.059	0.0009	0.0009	0.242	0.585	0.410	40.2%
15.5	0.3	0.809	0.061	0.3	0.822	0.062	-0.061	0.0009	0.0009	0.244	0.576	0.417	41.0%
16	0.3	0.832	0.063	0.3	0.844	0.064	-0.063	0.0009	0.0009	0.247	0.567	0.424	41.7%
16.5	0.3	0.854	0.064	0.3	0.867	0.065	-0.064	0.0009	0.0009	0.249	0.559	0.431	42.4%
17	0.3	0.876	0.066	0.3	0.889	0.067	-0.066	0.0010	0.0010	0.252	0.551	0.437	43.1%
17.5	0.3	0.897	0.068	0.3	0.910	0.069	-0.068	0.0010	0.0010	0.254	0.543	0.443	43.7%
18	0.3	0.918	0.069	0.3	0.931	0.070	-0.069	0.0010	0.0010	0.256	0.536	0.449	44.3%
18.5	0.3	0.939	0.071	0.3	0.952	0.072	-0.071	0.0010	0.0010	0.258	0.529	0.455	44.9%
19	0.3	0.959	0.072	0.3	0.972	0.073	-0.072	0.0010	0.0010	0.260	0.522	0.461	45.5%
19.5	0.3	0.978	0.074	0.3	0.992	0.075	-0.074	0.0010	0.0010	0.262	0.515	0.466	46.1%
20	0.3	0.998	0.075	0.3	1.011	0.076	-0.075	0.0010	0.0010	0.264	0.509	0.472	46.6%
20.5	0.3	1.017	0.077	0.3	1.030	0.078	-0.077	0.0010	0.0010	0.265	0.503	0.477	47.2%
21	0.3	1.035	0.078	0.2	1.049	0.079	-0.078	0.0010	0.0010	0.267	0.497	0.482	47.7%
21.5	0.2	1.054	0.079	0.2	1.067	0.080	-0.079	0.0010	0.0010	0.269	0.491	0.487	48.2%
22	0.2	1.072	0.081	0.2	1.085	0.082	-0.081	0.0010	0.0010	0.270	0.486	0.491	48.7%
22.5	0.2	1.089	0.082	0.2	1.103	0.083	-0.082	0.0010	0.0010	0.272	0.481	0.496	49.1%
23	0.2	1.107	0.083	0.2	1.121	0.084	-0.083	0.0010	0.0010	0.273	0.475	0.500	49.6%
23.5	0.2	1.124	0.085	0.2	1.138	0.086	-0.085	0.0010	0.0010	0.274	0.470	0.505	50.0%
24	0.2	1.141	0.086	0.2	1.155	0.087	-0.086	0.0010	0.0010	0.276			50.5%

TRANSFER 81296

Estimation of Timing of Aquifer-Stream Interaction

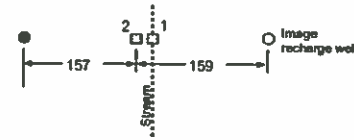
PROJECT: Jack Flammer
Brockway Engineering, PLLC

Hydraulic conductivity 370.6 ft/day
Aquifer saturated thickness 27.9 feet
Transmissivity 9116.6 ft²/d
Storage coefficient 0.15

Theis assumptions apply.
Method of images used to estimate
ground water gradient at stream boundary.

Pumping rate 44.8 gpm = 8625 ft³/d
Pumping time 24 hrs
Distance from Pump to River 158 feet
PUMPING WELL

Pumping well



RESULTANT using
R = 157' (pumping) and
R = 159' (image)

Portion of total discharge
supplied by the stream
(after Glover and Balmer, 1954)

Time (hrs)	R = 159 feet			R = 157 feet			IMAGE WELL		z (feet)	Gradient at river	x'		Qs / Q
	u	W(u)	z (feet)	u	W(u)	z (feet)	R = 159 feet	R = 157 feet			z (feet)	Qs / Q	
0	—	—	0.000	—	—	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0%
0.25	10.0	0.000	0.000	9.7	0.000	0.000	0.000	0.000	0.000	0.000	3.160	1.020	0.0%
0.5	5.0	0.001	0.000	4.9	0.001	0.000	0.000	0.000	0.000	0.004	2.234	0.197	0.0%
0.75	3.3	0.009	0.001	3.2	0.010	0.001	-0.001	0.0001	0.0001	0.019	1.824	0.049	0.0%
1	2.5	0.025	0.002	2.4	0.027	0.002	-0.002	0.0002	0.0002	0.043	1.580	0.024	2.4%
1.5	1.7	0.079	0.006	1.6	0.084	0.006	-0.006	0.0004	0.0004	0.097	1.290	0.056	5.6%
2	1.2	0.147	0.011	1.2	0.154	0.012	-0.011	0.0006	0.0006	0.146	1.117	0.107	10.7%
2.5	1.0	0.220	0.017	1.0	0.229	0.017	-0.017	0.0007	0.0007	0.187	0.999	0.154	15.4%
3	0.8	0.293	0.022	0.8	0.304	0.023	-0.022	0.0008	0.0008	0.221	0.912	0.197	19.7%
3.5	0.7	0.365	0.027	0.7	0.377	0.028	-0.027	0.0009	0.0009	0.248	0.844	0.234	23.4%
4	0.6	0.433	0.033	0.6	0.447	0.034	-0.033	0.0010	0.0010	0.271	0.790	0.267	26.7%
4.5	0.6	0.499	0.038	0.5	0.513	0.039	-0.038	0.0011	0.0011	0.290	0.745	0.295	29.5%
5	0.5	0.561	0.042	0.5	0.576	0.043	-0.042	0.0012	0.0012	0.306	0.707	0.321	32.1%
5.5	0.5	0.620	0.047	0.4	0.636	0.048	-0.047	0.0012	0.0012	0.320	0.674	0.344	34.4%
6	0.4	0.676	0.051	0.4	0.693	0.052	-0.051	0.0013	0.0013	0.333	0.645	0.365	36.5%
6.5	0.4	0.730	0.055	0.4	0.747	0.056	-0.055	0.0013	0.0013	0.343	0.620	0.384	38.4%
7	0.4	0.781	0.059	0.3	0.799	0.060	-0.059	0.0013	0.0013	0.353	0.597	0.401	40.1%
7.5	0.3	0.830	0.062	0.3	0.848	0.064	-0.062	0.0014	0.0014	0.361	0.577	0.416	41.6%
8	0.3	0.877	0.066	0.3	0.895	0.067	-0.066	0.0014	0.0014	0.369	0.559	0.431	43.1%
8.5	0.3	0.922	0.069	0.3	0.941	0.071	-0.069	0.0014	0.0014	0.375	0.542	0.445	44.5%
9	0.3	0.965	0.073	0.3	0.984	0.074	-0.073	0.0014	0.0014	0.381	0.527	0.457	45.7%
9.5	0.3	1.006	0.076	0.3	1.025	0.077	-0.076	0.0015	0.0015	0.387	0.513	0.469	46.9%
10	0.2	1.046	0.079	0.2	1.065	0.080	-0.079	0.0015	0.0015	0.392	0.500	0.480	48.0%
10.5	0.2	1.084	0.082	0.2	1.104	0.083	-0.082	0.0015	0.0015	0.397	0.488	0.490	49.0%
11	0.2	1.121	0.084	0.2	1.141	0.086	-0.084	0.0015	0.0015	0.401	0.476	0.500	50.0%
11.5	0.2	1.156	0.087	0.2	1.177	0.089	-0.087	0.0015	0.0015	0.405	0.466	0.509	50.9%
12	0.2	1.191	0.090	0.2	1.211	0.091	-0.090	0.0016	0.0016	0.408	0.456	0.517	51.7%
12.5	0.2	1.224	0.092	0.2	1.245	0.094	-0.092	0.0016	0.0016	0.412	0.447	0.526	52.6%
13	0.2	1.256	0.095	0.2	1.277	0.096	-0.095	0.0016	0.0016	0.415	0.438	0.533	53.3%
13.5	0.2	1.288	0.097	0.2	1.309	0.099	-0.097	0.0016	0.0016	0.418	0.430	0.541	54.1%
14	0.2	1.318	0.099	0.2	1.339	0.101	-0.099	0.0016	0.0016	0.421	0.422	0.548	54.8%
14.5	0.2	1.347	0.101	0.2	1.369	0.103	-0.101	0.0016	0.0016	0.423	0.415	0.554	55.4%
15	0.2	1.376	0.104	0.2	1.397	0.105	-0.104	0.0016	0.0016	0.426	0.408	0.561	56.1%
15.5	0.2	1.404	0.106	0.2	1.425	0.107	-0.106	0.0016	0.0016	0.428	0.401	0.567	56.7%
16	0.2	1.431	0.108	0.2	1.453	0.109	-0.108	0.0016	0.0016	0.430	0.395	0.573	57.3%
16.5	0.2	1.457	0.110	0.1	1.479	0.111	-0.110	0.0016	0.0016	0.432	0.389	0.578	57.8%
17	0.1	1.483	0.112	0.1	1.505	0.113	-0.112	0.0016	0.0016	0.434	0.383	0.584	58.4%
17.5	0.1	1.508	0.114	0.1	1.530	0.115	-0.114	0.0017	0.0017	0.436	0.378	0.589	58.9%
18	0.1	1.533	0.115	0.1	1.555	0.117	-0.115	0.0017	0.0017	0.437	0.372	0.594	59.4%
18.5	0.1	1.556	0.117	0.1	1.579	0.119	-0.117	0.0017	0.0017	0.439	0.367	0.599	59.9%
19	0.1	1.580	0.119	0.1	1.602	0.121	-0.119	0.0017	0.0017	0.441	0.362	0.603	60.3%
19.5	0.1	1.603	0.121	0.1	1.625	0.122	-0.121	0.0017	0.0017	0.442	0.358	0.608	60.8%
20	0.1	1.625	0.122	0.1	1.647	0.124	-0.122	0.0017	0.0017	0.443	0.353	0.612	61.2%
20.5	0.1	1.647	0.124	0.1	1.669	0.126	-0.124	0.0017	0.0017	0.445	0.349	0.616	61.6%
21	0.1	1.668	0.126	0.1	1.691	0.127	-0.126	0.0017	0.0017	0.446	0.345	0.621	62.1%
21.5	0.1	1.689	0.127	0.1	1.712	0.129	-0.127	0.0017	0.0017	0.447	0.341	0.624	62.4%
22	0.1	1.710	0.129	0.1	1.732	0.130	-0.129	0.0017	0.0017	0.448	0.337	0.628	62.8%
22.5	0.1	1.730	0.130	0.1	1.752	0.132	-0.130	0.0017	0.0017	0.450	0.333	0.632	63.2%
23	0.1	1.749	0.132	0.1	1.772	0.133	-0.132	0.0017	0.0017	0.451	0.329	0.636	63.6%
23.5	0.1	1.769	0.133	0.1	1.791	0.135	-0.133	0.0017	0.0017	0.452	0.326	0.639	63.9%
24	0.1	1.788	0.135	0.1	1.810	0.136	-0.135	0.0017	0.0017	0.453	0.322	0.642	64.2%

TRANSFER 81296

Form 238-7
6/07IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

1. WELL TAG NO. D

Drilling Permit No. D0070708

Water right or injection well #

2. OWNER:

Name JACK FLAMMERAddress BOX 3923City HAILEY State ID Zip 83333

3. WELL LOCATION:

Twp. 3 North ☒ or South ☐ Rge. 18 East ☒ or West ☐Sec. 8 1/4 NW 1/4 SW 1/4Gov't Lot _____ County BLAINE

Lat. _____ (Deg. and Decimal minutes)

Long. _____ (Deg. and Decimal minutes)

Address of Well Site 102 GROVE CREEKCity HAILEY

(Name of owner or lessee if different from owner of land)

Lot _____ Bk. _____ Sub. Name _____

4. USE:

☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation ☐ Thermal ☐ Injection☐ Other _____

5. TYPE OF WORK:

☒ New well ☐ Replacement well ☐ Modify existing well☐ Abandonment ☐ Other _____

6. DRILL METHOD:

☒ Air Rotary ☐ Mud Rotary ☐ Cable ☐ Other _____

7. SEALING PROCEDURES:

Seal material	From (ft)	To (ft)	Quantity (lbs or ft ³)	Placement method/procedure
BENTONITE	0	18	25 BAGS	DRY POUR

8. CASING/LINER:

Diameter (inches)	From (ft)	To (ft)	Gauge/Schedule	Material	Casing Liner	Threaded	Welded
6	2	34	.25	STEEL	☒	☐	☒

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s) _____

9. PERFORATIONS/SCREENS:

Perforations ☐ Y ☒ N Method _____Manufactured screen ☒ Y ☐ N Type PVC

Method of installation _____

From (ft)	To (ft)	Slot size	Number/ft	Diameter (nominal)	Material	Gauge or Schedule
-10	145	20		4 1/2	PVC	40

Length of Headpipe _____ Length of Tailpipe _____

Packer ☐ Y ☒ N Type _____

10. FILTER PACK:

Filter Material	From (ft)	To (ft)	Quantity (lbs or ft ³)	Placement method
-----------------	-----------	---------	------------------------------------	------------------

11. FLOWING ARTESIAN:

Flowing Artesian? ☐ Y ☒ N Artesian Pressure (PSIG) _____

Describe control device _____

12. STATIC WATER LEVEL and WELL TESTS:

Depth first water encountered (ft) 18 Static water level (ft) 18Water temp. (°F) 58 Bottom hole temp. (°F) 58Describe access port WELL CAP

Well test:

Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)
100	30+	2 HOURS

Test method:

Pump	Boiler	Air	Flowing Artesian
☐	☐	☒	☐

Water quality test or comments: _____

13. LITHOLOGIC LOG and/or repairs or abandonment:

Bore Dia. (in)	From (ft)	To (ft)	Remarks, lithology or description of repairs or abandonment, water temp.	Water
10	0	3	SAND+GRAVEL	
10	3	18	GRAVEL+BOULDERS	Y
8	18	28	GRAVEL+BOULDERS	Y
8	28	34	BROWN SAND STONE	
8	34	38	BROWN Limestone	Y
6	38	78	BROWN Limestone	
8	78	81	BROWN Limestone+GRAVEL	Y
8	81	87	BROWN Limestone	
6	87	97	MED HARD BROKEN Limestone	Y
6	97	118	BROKEN Limestone	Y
6	118	128	BROWN Limestone	
8	128	134	BROKEN+GRANITE	Y
8	134	145	BROWN Limestone	

Completed Depth (Measurable): 145Date Started: 05/17/2016Date Completed: 05/19/2016

14. DRILLER'S CERTIFICATION:

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name D&C DRILLING LLCCo. No. 755

*Principal Driller _____

Date _____

*Driller _____

Date _____

*Operator II _____

Date _____

Operator I _____

Date _____

* Signature of Principal Driller and rig operator are required.

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

[illegible]

USE ADDITIONAL SHEETS IF NECESSARY

FORWARD THE WHITE COPY TO THE DEPARTMENT

TRANSFER 81296



State of Idaho

DEPARTMENT OF WATER RESOURCES

Southern Region • 650 Addison Ave W, Suite 500 • Twin Falls, Idaho 83301-5858
Phone: (208) 736-3033 • Fax: (208) 736-3037 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

November 10, 2016

BRANDON WILLIAMS
DIXIE WILLIAMS
105 SNOWPLANT RD
HAILEY, ID 83333

RE: Transfer No. 81296
Water Right No(s). 37-159D

Dear Applicant(s):

The Department of Water Resources has received your water right transfer application. Please refer to the transfer number referenced above in all future correspondence regarding this transfer.

A legal notice of the application has been prepared and is scheduled for publication in the **IDAHO MOUNTAIN EXPRESS** on **11/16/2016** and **11/23/2016**. Protests to this application may be submitted for a period ending ten (10) days after the second publication. Any protest against this application must be filed with the Department of Water Resources, together with a protest fee of \$25.00 for each application, on or before **December 5, 2016**.

If the application is protested, you will be sent a copy of each protest. All protests must be resolved before the application can be considered for approval. If the protest(s) cannot be resolved voluntarily, the Department will conduct a conference and/or hearing on the matter.

If the application is not protested, the Department will process your application and notify you of any action taken on the application. If your application is approved, the Department will send you a copy of the approval document.

Please contact this office if you have any questions regarding the application.

Sincerely,

Denise Maline
Administrative Assistant

cc:

BROCKWAY ENGINEERING PLLC
C/O GREG SULLIVAN
2016 N WASHINGTON ST STE 4
TWIN FALLS, ID 83301

Maline, Denise

From: Maline, Denise
Sent: Thursday, November 10, 2016 2:41 PM
To: 'Kevin Lakey'
Cc: Cyndi WD37
Subject: Comment Letter - Transfer 81296 - Williams
Attachments: Transfer 81296 (Williams).pdf; Comment Letter to WM37 for 81296.docx

Good afternoon Kevin,

Attached is a copy of an application for transfer which is currently being processed. Please review the information and provide any necessary comments within 21 days.

Thank you in advance,

Denise @ IDWR



State of Idaho

DEPARTMENT OF WATER RESOURCES

Southern Region • 650 Addison Ave W, Suite 500 • Twin Falls, Idaho 83301-5858

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C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

November 10, 2016

KEVIN LAKEY
WATER DISTRICT #37
107 W 1ST
SHOSHONE, ID 83352

Via e-mail

RE: Transfer No. 81296
Water Right No(s). 37-159D

Dear Kevin:

A copy of the above referenced application is enclosed. Please review the application, then complete the enclosed recommendation form as necessary, and return it to this office within 21 days of the date of this letter.

If the application is approved, IDWR will include appropriate standard conditions of approval for a water right located within a water district, such as regulation by the watermaster, lockable controlling works, and/or measuring devices. Any special conditions or other concerns you have related to this application should be specifically addressed in your recommendation.

IDWR's regional offices can finish reviewing an unprotested application as soon as the protest period has past. Your prompt response to this request will ensure that your recommendation can be considered. If IDWR has not received your written recommendation within 21 days from the date of this letter, IDWR will presume that you do not oppose approval of the application and that you have no comments for IDWR to consider.

Sincerely,

Denise Maline
Administrative Assistant

Enclosure(s)

Maline, Denise

From: Maline, Denise
Sent: Thursday, November 10, 2016 12:11 PM
To: Idaho Mountain Express
Subject: LEGAL NOTICE
Attachments: Idaho Mtn Express Cover Letter.docx; Idaho Mtn Express Ad.doc

Attached please find (1) legal notice being submitted for publication on November 16th & 23rd, 2016. Please feel free to contact me if you have any questions, or if you are not able to run the ad on the dates requested.

Thank you in advance,

Denise Maline
Administrative Assistant
Idaho Dept of Water Resources, Southern Region
650 Addison Ave W, Ste 500
Twin Falls, ID 83301
(208) 736-3033
denise.maline@idwr.idaho.gov



State of Idaho

DEPARTMENT OF WATER RESOURCES

Southern Region • 650 Addison Ave W, Suite 500 • Twin Falls, Idaho 83301-5858
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C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

November 10, 2016

LEGAL NOTICE DEPARTMENT
IDAHO MOUNTAIN EXPRESS
PO BOX 1013
KETCHUM, ID 83340

RE: Transfer No. 81296
Water Right No(s): 37-159D

Dear Legal Notice Department:

Please publish the enclosed legal notice on the dates indicated (once a week for two consecutive weekly issues). If you cannot publish the notice on the proposed dates, please contact us immediately.

An affidavit of publication must be submitted to the Department along with the publication bill. Please send the affidavit and bill to this office before December 5, 2016. Your cooperation is appreciated.

Sincerely,

Denise Maline
Administrative Assistant

Enclosure(s)

**NOTICE OF PROPOSED CHANGE OF WATER RIGHT
TRANSFER NO. 81296**

BRANDON WILLIAMS and DIXIE WILLIAMS, 105 SNOWPLANT RD, HAILEY, ID 83333; has filed Application No. 81296 for changes to the following water rights within BLAINE County(s): Right No(s). 37-159D; to see a full description of these rights and the proposed transfer, please see www.idwr.idaho.gov/apps/wr/QueryNewTransfers/QueryNewTransfers.aspx. The purpose of the transfer is to change a portion of the above rights as follows: Application for transfer proposes moving a 0.03 cfs and 1.5 acre portion of an irrigation ground water right to an existing domestic well located in Lot 1 Block 1 of the Grove Creek Subdivision with no change to the place of use. Proposed POD and POU are located approximately 5.8 miles north and 1.4 miles west of Hailey.

For additional information concerning the property location, contact Southern Region office at (208) 736-3033. Protests may be submitted based on the criteria of Idaho Code Sec. 42-222. Any protest against the proposed change must be filed with the Department of Water Resources, Southern Region, 650 Addison Ave W Ste 500, Twin Falls ID 83301 together with a protest fee of \$25.00 for each application on or before **December 5, 2016**. The protestant must also send a copy of the protest to the applicant.

GARY SPACKMAN, Director
Published on November 16th & 23rd, 2016

MEMORANDUM

Date: November 9, 2016
To: Transfer 81296 File
From: Bill Mills
Re: Fee Evaluation

Filing fees charged for transfer application #81296 were based on the on the current transfer fee schedule and included \$200.00 for the 0.03 cfs being transferred in the application and \$25.00 fee for the change of ownership on the portion of the right beng transferred (Receipt No.S035807).

MEMORANDUM

Date: November 9, 2016
To: Transfer 81296 File
From: Bill Mills
Re: Evaluation of Sufficiency of Information Submitted

Application for transfer proposes moving a 0.03 cfs, 1.5 acre portion of irrigation ground water right 37-159D to an existing domestic well that was drilled this last spring. A 1.5 acre parcel (Lot 1 BLK 1 of the Grove Creek Subdivision) which was one of three lots contained within the 3.0 acre place of use (POU) for water right 37-159D, was sold to new owners. The transfer proposes changing the point of diversion (POD) to a domestic well located approximately 250' to the east of the current POD. Current and proposed POD and POU are located approximately 5.8 miles north and 1.2 to 1.4 miles west of Hailey.

In a previous transfer, the water right was transferred from the East Fork of the Wood River to an existing well. The applicant's consultant provided stream depletion analysis for this transfer because this water right is managed as a surface water right with ground water pumping limited to times when the right is in priority and available for delivery from the East Fork of the Wood River. The provided analysis indicates there is hydrologic connection between the well and the Big Wood River and would result in at least a 50.9% reduction of the original source (East Fork Wood River) within an 11.5 hour period from pumping the well and a 64.2% reduction of the original source within a 24 hour period. Department guidelines require at least a 50% reduction in less than a 24 hour period. Utilizing the same data provided by the consultant, the values were entered into the Department's Stream Depletion Analysis Tool Spreadsheet and the results indicated a potential for a 69.7% reduction in the original source within a 24 hour period.

Overlap analysis indicates there is potential overlap with a domestic and irrigation water right 37-8474 that is owned by Grove Creek ASSN, although there appears to be no actual POU overlap of representative irrigation shapefiles utilized in the ArcMap GIS software program. To address potential overlap, condition R67 is currently on the water right and will be retained after the transfer. This condition limits all irrigation from all water rights when combined to 0.03 cfs per acre and 3.5 acre feet per acre. POD and POU are located in Water District 37 and Watermaster comments will be solicited.

- **Authority to File:** A copy of a warranty deed was provided indicating the applicant's ownership of the 1.5 acre portion of the property this water right is appurtenant to (Lot 1 BLK 1 of the Grove Creek Subdivision). Additionally, a copy of a quitclaim conveying a 1.5 acre portion of water right 37-159D was also provided.

- **Water Right Validity:** Water right 37-159D was decreed in the SRBA on 6/2/2010. Recent aerial photography indicates that the property associated with this transfer appears irrigated.
- **Injury to Other Water Rights:**
None anticipated.
- **Enlargement of Use:**
None anticipated.
- **Local Public Interest:**
No issues anticipated.
- **Beneficial Use/Conservation of Water Resources:**
Proposed use is recognized as a beneficial use of water.
- **Effect on the Economy of the Local Area:**
None Anticipated.
- **Effect on Agricultural Base of the Local Economy:**
None Anticipated.

Review of the application finds there is no clear inconsistency with criteria set forth in Section 42-222 Idaho Code preventing processing

Stream Depletion Analysis Tool

Read Me

Project Title

Test Transfer ####

Definition of Variables

Calculation of Stream Depletion Rate & Volume

User Defined Input Variables

t =	1	duration of pumping (days)
K =	370.60	hydraulic conductivity (ft/day)
b =	227.90	saturated thickness (ft)
Sy =	0.15	specific yield in decimals (unitless)
a =	231.00	distance (ft)
Q =	0.10	pumping rate (ft ³ /s)

Calculated Input Variables

T =	84,460	transmissivity (ft ² /day)
Sy/T =	0.00000178	component of sdf (unitless) for observation only
Q =	8553.6	pumping rate (ft ³ /day)
Qt =	8553.6	pumped volume (ft ³)
	0.20	pumped vol (ac-ft)

Table Values

sdf =	0.0948	stream depletion factor (units of time)
t/sdf =	10.552	(unitless)
q/Q =	0.828	(unitless)
v/Qt =	0.697	(unitless)

Stream Depletion Rate

q =	0.082	stream depletion rate (ft ³ /s)
% Total =	82.8	contribution of total flow rate from stream (%)

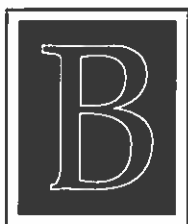
Stream Depletion Volume

v =	5,964	vol. strm depletion (ft ³)
	0.1369	vol. strm depletion (ac-ft)
% Total =	69.7	contribution of total volume from stream (%)

Notes and Discussion

Reference:

The Glover & Balmer method utilized in analysis is recreated in part from Jenkins, C.T., 1968. Book 4 Hydrologic Analysis and Interpretation Chapter D1 Computation of Rate and volume of Stream Depletion by Wells. Techniques of Water-Resources Investigations of the United States Geological Survey.



BROCKWAY
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Hydraulics

Hydrology

Water Resources

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DEPT OF WATER RESOURCES
SOUTHERN REGION

November 3, 2016

Corey Skinner
Idaho Department of Water Resources
650 Addison Ave. W., Ste. 500
Twin Falls, ID 83301

Re: Williams Transfer of 37-159D

Dear Mr. Skinner:

Jack Flammer has sold Lot 1 in Block 1 of Grove Creek Subdivision to Brandon Williams and Dixie Williams. It is necessary to transfer the 1.5 acre to a new POD. A new domestic well was drilled in Lot 1 in 2016.

The POU, beneficial use and period of use will not be changing.

An analysis of local well logs and aquifer conditions indicate that greater than 50% of the water to be pumped from the Williams's well will be provided by the East Fork Wood River within a 24 hour period.

Please contact me if you have any questions.

Sincerely,

Greg Sullivan, M.S., Engineer

CHARLES E.
BROCKWAY,
PH.D., P.E.

CHARLES G.
BROCKWAY,
PH.D., P.E.

Cc: Jack Flammer, Brandon Williams
Enc: Transfer Application, Aerial Map, Stream Channel Interaction Analysis, Property
Warranty Deed, Water Right Quitclaim Deed, Well Drillers Log, Brockway Engineering
Check # 13664 for \$225.00

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