

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

A. GENERAL INFORMATIONPermit No: 96-9564

Exam Date: 4/26/2017

1. Does this qualify for an in-office field exam (IDAPA 035.02.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: J. Gregory and/or Tina M. Toolson
Owner of Record Correct? X Y N
Address of Record Correct? Y N
If No: Address

Tax lot data shows J. Gregory Toolson as the owner of the property.

3. Beneficial Use Fees have been paid: X Y N Receipt No: C105980

4. SOURCE

Ground Water

Method of Determination: Well Driller's Report, GIS, and Tax Parcel Data

Change 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 several water rights with the same place of use, but only one is confusing. Water right 63-15015 is the only water right I couldn't confirm the location of the right. However, 63-15015 is a domestic water right with a 1973 priority date, and the home and well for the permit was not developed until 2006. All of the other rights have an earlier priority date. The property is also within the borders of the Wilder Irrigation District, but the application states they don't have canal shares, which seems reasonable since they are located on a the side of a butte/hill known as Chalk Hills.

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

Water Right No.	Source	Purpose of Use	Basis

Comments: None. This is right is from a private domestic well. There are other rights and wells in the same 40 acre tract, but they are not connected into this system.

1. LOCATION OF POINT(S) OF DIVERSION:

Source	Govt. Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.		County
Well			NW	SW	10	3N	4W	B.M.	BONNER
								B.M.	
								B.M.	

Method of Determination: GIS and Tax Lot data. PLEASE NOTE: The well driller's report shows the well in the NESW, but the permit holder placed the well in the NWSW. The point placed by the permit holder is very close to the line, and seems more reasonable than any of the locations in the NESW. Therefore, I am recommending the point of diversion as marked in the application for permit.

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									0.4	0.3							0.7
											D	D							
											S	S							
Total Acres =																			0.7

Method of Determination: GIS and Tax Lot Data

Change 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
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 is not enough information associated with this system to determine the flow rate without a field examination. Therefore, I am using the standards set forth in Administrative Processing Memorandum # 3, # 22, and # 17.

Administrative Memo # 22 = 0.04 cfs for domestic use

Administrative Memo #3 = 0.02 cfs for 20 head of stock

Administrative Memo #17 = 0.03 cfs X 0.7 acres = 0.02 cfs.

Permit allowed = 0.04 cfs domestic, 0.01 cfs stock, and 0.10 cfs irrigation.

I am recommending a diversion rate of 0.04 cfs for domestic use, 0.01 cfs for stock (limited by permit), and 0.02 cfs for irrigation (limited by number of acres), for a total of 0.07 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 0.7 \text{ acres} \times 4.5 = 3.2 \text{ af}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.02 \text{ cfs} \times 260 \times 1.9835 = 10.3 \text{ af}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 3.2 \text{ af}$$

2. Volume Calculations for Other Uses:

There is not enough information associated with this system to determine the flow rate without a field examination. Therefore, I am using the standards set forth in Administrative Processing Memorandum # 3 and # 22.

Administrative Memo #3 allows 0.4 af for 20 head of stock and Administrative Memo #22 allows 0.6 af for in-house use. The irrigation covers the yard around the

home.

G. PURPOSE OF USE

Irrigation X Y N # Stock 20 Domestic # of Homes 1

Other: < >

Change in Purpose of Use? Y 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 fits within the standards that allow an in-house field exam to be performed. An application was originally filed to allow up to multiple domestic uses, stockwater, and 15 acres of irrigation, but that application was split and a portion of the application was assigned to the permit holder for 1 home, 20 head of stock, and 5 acres of irrigation. The remaining portion of water right 63-12418 was voided.

In 2013, the permit filed an extension of time to submit proof to allow additional time for irrigation purposes. However, it appears as though there has been very little additional development since 2013. I have provided maps from Google Earth that show the property in 2018, so I am comfortable with the amount of irrigation shown in this report.

Permit No: 96-9564 63-33118

Page 4

The well driller's report gives a well location of the NESW of Section 10, in Township 3 North, Range 4 West. The well was drilled prior to the Department requiring well drillers to submit GPS coordinates with the well driller's report. The well appears to be within 25 feet of the property line. The permit holder marked the map in the application for the permit after the well was drilled, so I feel it is a better representation of the actual well location than the well driller's report. The reason the Department currently requires GPS coordinates on the well driller reports, is to ensure actual location of the wells in the well drilling records. I am more comfortable recommending the point of diversion shown the application for permit maps.

Conditions 1 and 2 on the permit form are standard permit conditions and are not carried forward to licensing. Condition 3 (26A) and condition 6 (X02) will be removed as is standard. Condition 4 (121) will be changed to condition 103 as is standard. Condition 5 (132) and 7 (R69) will be carried forward to licensing. No additional conditions will be needed.

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 AF
Stockwater	01/01 to 12/31	0.01 CFS	0.4 AF
Irrigation	03/01 to 11/15	0.02 CFS	3.2 AF
<u>Totals:</u>		0.07 CFS	4.2 AF

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

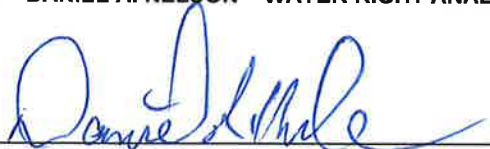
2. Recommended Amendments

 Change P.D. as reflected above Add P.D. as reflected above None

 Change P.U. as reflected above Add P.U. as reflected above None

Other: < >

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

Field Examiner's Name  Date 1-14-19

Reviewer _____ Date _____

Permit ^{copy!} 63-33118 *63-33118*

Aerial photos. Top photo is 2017 NAIP imagery, and Bottom Photo is 2018 Google Earth Imagery



Permit 63-33118

Canyon County Tax Records

Parcel Number 33291010 0		Site Address 16464 SG WAY CA ID, CA	
Owner Information			
Owner Name		TOOLSON GREGORY J TOOLSON TINA	
Mailing Address		16464 PLUM RD CALDWELL ID 83607	
Transfer Date		07/17/2006	
Document #		200543814	
Deed Book/Page			
Location / Description			
Tax District		232-00	
Canyon County		001	
Parcel Address		16464 SG WAY CA ID, CA	
Deeded Acreage		5.0000	
Section & Plat			
Routing #			
Legal Desc.		10-3N-4W SW TX 03175 N 1	
Parcel Type		Topography	
Property Class Code		534 Res Impr on Cat 12	
Neighborhood Code		310000	
Neighborhood Factor		.00	
Street / Road Code		A	
		Level Ground	
		High	
		Low	
		Rolling	
		Swampy	