STATE OF IDAHO DEPARTMENT OF WATER RESOURCES BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

- 1. Current Owner: JOHN A GRAVELLE PO BOX 603 JULIAETTA ID 83535 AND MATT P GRAVELLE PO BOX 603 JULIAETTA ID 83535 AND PAUL J GRAVELLE PO BOX 603 JULIAETTA ID 83535 AND CAROLYN M GRAVELLE PO BOX 603 JULIAETTA ID 83535
- 2. Accompanied by: John Gravelle Phone No: 509-995-1940 Address: Same as above Relationship to permit Holder: Permit Holder

3. SOURCE:	Tributary
SPRING	SINKS

Method of Determination: Arcmap and DRG

B. OVERLAP REVIEW

 Other water rights v 	with the same place of use:	YES Overlap		
Water Right No.	Source	Purpose of Use	Basis	
86-11916	SPRING	STOCKWATER	DECREED	

Comments: WR 86-11916 is for stockwater use by the same applicant, with one of multiple PODs associated with 86-11916 (springs) being the same POD as this water right. Stockwater overlap is on irrigation component POU only for this water right and not a concern.

2. Other water rights v	vith the same point-of-diversion:	NO Overlap	
Water Right No.	Source	Purpose of Use	Basis
86-12002	SPRING	STOCKWATER	DECREED
86-11916	SPRING	STOCKWATER	DECREED

Comments: WRs 86-12002 and 86-11916 are for stockwater use by the same applicant, with one of multiple springs being the same POD as this water right.

C. DIVERSION AND DELIVERY SYSTEM

1. LOCATION OF POINT(S) OF DIVERSION:

SPRING NE¼ SW¼ SW¼, Sec. 26, Twp 38N, Rge 03W, B.M. LATAH County

Method of Determination: Arcmap and GPS. POD located at -116º41.069, 46º36.009.

PLACE OF USE: IRRIGATION

Two	NE NE		NW			SW			SE			Totals							
1 wp r	viig	Sec	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
38N 0)3W	26											2.7						2.7
Tet	-1 0	(> 7													-			

Total Acres: 2.7

Method of Determination: Arcmap and GPS.

Permit No: 86-12085 Exam Date: 06/10/2018

Permit No 86-12085

3.

- Delivery System Diagram Attached (required). Indicate all major components and distances between components. X Indicate weir size/pipe as applicable.
- Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
- X Aerial Photo Attached (required for irrigation of 10+ acres).
- X Photo of Diversion and System Attached

4.

Well or Diversion ID No.*	Motor Make	Нр	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size		
N/A							

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Туре	Make	Model No.	Serial No.	Size	Calib. Date
5-GALLON BUCKET TEST						

2. Measurements: A 5 gallon bucket test was completed at point that piping from spring fed into stock tank, resulting in 5 gal / 30 sec x 60 sec/min = 10 gpm = **0.02 cfs**.

E. FLOW CALCULATIONS

Measured Method: 5-gal bucket test = 5 gal / 30 sec x 60 sec/min = 10 gpm = 0.02 cfs.

F. VOLUME CALCULATIONS

- 1. Volume Calculations for irrigation:
- V_{LR} = (Acres Irrigated) x (Irrigation Requirement) = 2.7 ac x 4.0 afa = 10.8 af

 $V_{D,R}$ = [Diversion Rate (cfs)] x (Days in Irrigation season) x 1.9835 = 0.02 cfs x 246 days x 1.9835 = 9.8 af V = Smaller of $V_{L,R}$ and $V_{D,R}$ = **9.8 af**

2. Volume Calculations for Other Uses:

This is a surface water right, and as such there will be no annual volume or diversion volume applied to license.

G. NARRATIVE/REMARKS/COMMENTS

Admin note: WR 86-12085 was split from WR 86-11924.

Field exam on 6/10/2018 with applicant, John Gravelle, showed a spring with spring box diverting water by pipes to stock tanks and holding tanks for irrigation use. Applicant used the same POD for stockwater (WR 86-11916) use as well. The spring at POD also fed from spring to a holding tank using pvc pipe for irrigation purposes. A 5-gallon bucket test was completed, with diversion rate equaling 5 gal / 30 sec x 60 sec/min = 10 gpm = **0.02 cfs**, which will be carried forward to licensing.

From the multiple beneficial use components associated with WR 86-11924, only the irrigation component was added to this license. During the field exam, irrigated area was sketched out. During licensing review, irrigated acreage was traced out using arcmap aerial imagery equaling 2.7 acres. The annual volume for the irrigation component equals 2.7 ac x 4.0 afa = 10.8 af, but the computation for V $_{D,R}$ = 0.02 cfs x 246 days x 1.9835 = 9.8 af, which is the annual volume for the irrigated acreage. As this is a surface water source, no volume is applied to the license.

No stockwater component was added to this license, as WR 86-11916 is a pre-existing decreed right owned by the same applicant that provides stockwater coverage for this POU.

Condition F06 was added to describe multiple water rights diverting through the same POD. Condition R64 was added to describe the irrigation of no more than 4.0 afa per acre for this WR. Condition 01M was added to notify the applicant of potential for measuring device (if required in future). Condition 004 was added to describe restrictions of right-of-way or easement for this WR. WR 86-11916 is for stockwater use by the same applicant overlapping this water rights POU, but is not a concern for overlap. WR 86-11916 and WR 86-12002 have the same POD as this water right, and have been annotated by use of condition F06 on this license.

Have conditions of permit approval been met? X Yes No

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use	Rate of Diversio	n
IRRIGATION	03/15 to 11/15	0.02 CFS	
	<u>Totals:</u>	0.02 CFS	
2. Recommended Amendments			
Change P.D. as reflected abov	ve Add P.D.	as reflected above	X None
Change P.U. as reflected abov	e Add P.U.	as reflected above	X None
I. AUTHENTICATION Luke	Bates - Water Resour	ce Agent	
Field Examiner's Name	Frith	Date	5/27/2020
Reviewer Z Q B	\square	Date	5/19/2020

Permit No 86-12085









WATER LINE FROM SPRING TO HOLDING TANK



WATER CONVEYANCE - IRRIGATION HOLDING TANK



IRRIGATION POU



IRRIGATION POU