

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 94-09458
Exam Date: 6/6/2017

1. Current Owner:
RONALD G JASA PO BOX 371 MURRAY ID 83874 (208) 682-2744
2. Accompanied by: In-office exam
3. **SOURCE:**
GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 94-8289
2. Other water rights with the same point-of-diversion: 94-8289, 94-8458, 94-8459, & 94-8460

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

GROUND WATER SW¼NW¼ Sec. 5, Twp 49N, Rge 05E, B.M. SHOSHONE County

Method of Determination: GIS and Taxlot Data

2.

PLACE OF USE: DOMESTIC

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
49N	05E	5						X											

Method of Determination: Google Earth, Arc map, and Shoshone County Taxlot Parcels

3.

Delivery System Diagram Attached (required). Indicate all major components and distances between components.

N/A 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.

XX Aerial Photo Attached (required for irrigation of 10+ acres).N/A Photo of Diversion and System Attached

4.

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
D0005976	FRANKLIN	2.5			

*Code to correspond with No. on map and aerial photo

E. FLOW CALCULATIONS

Measured Method: MEASUREMENT OF DIVERSION RATE X Additional Computation Sheets Attached
 COVERED UNDER IDAPA RULES 37.03.02.035.01.r. WELL OWNER PROVIDED SIZE PUMP (2.5HP), PSI (40), AND
 PUMP DEPTH (60 FEET). THEORETICAL PUMPING EQUATION ESTIMATES FLOW RATE AT 52GPM OR 0.12CFS.

F. VOLUME CALCULATIONS

2. Volume Calculations for Other Uses: DOMESTIC FOR 1 HOME WITH UP TO ½ ACRE OF IRRIGATION = 1.2 AF

G. NARRATIVE/REMARKS/COMMENTS

This permit qualifies for an in-house exam. There are 3 permits (94-9458, 94-9459, & 94-9460) that all share the same well (D0005976). All 3 homeowners filed a joint adjudication claim in CSRBA no. 94-8289. Prior to the partial decree, it was brought to their attention that they would only be recommended for 0.04cfs with a maximum daily diversion volume of 2,500 gallons between all 3 homes. So the homeowners came in and each applied for their own water permits. During the permit development period the claim was partially decreed for 0.04cfs for 2,500gpd between all 3 homes. Because the partial decree has been issued, we can proceed with licensing the 3 permits and putting proper overlap conditions on each license.

In a phone call on 6/5/2017 to Mr. David Nibarger, he confirmed the well had a 2.5hp Franklin pump running at 40psi and was set around 60 feet deep in the well. Theoretical pumping equation estimates flow rate with those parameters is capable of producing 52gpm or 0.12cfs. Each license will be issued for 0.04cfs with an annual volume of 1.2 acre feet for domestic use and irrigation of up to ½ acre. Each license will be overlapped with the partial decree to limit the use to 0.04cfs with an annual volume of 1.2 acre feet. Shoshone County Tax Parcel showed applicants were still the owners of the properties, but condition 004 will be kept on license because it is a shared well.

Have conditions of permit approval been met? X Yes No

H. 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	1.2 AF
<u>Totals:</u>		0.040 CFS	1.20 AF

2. Recommended Amendments

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

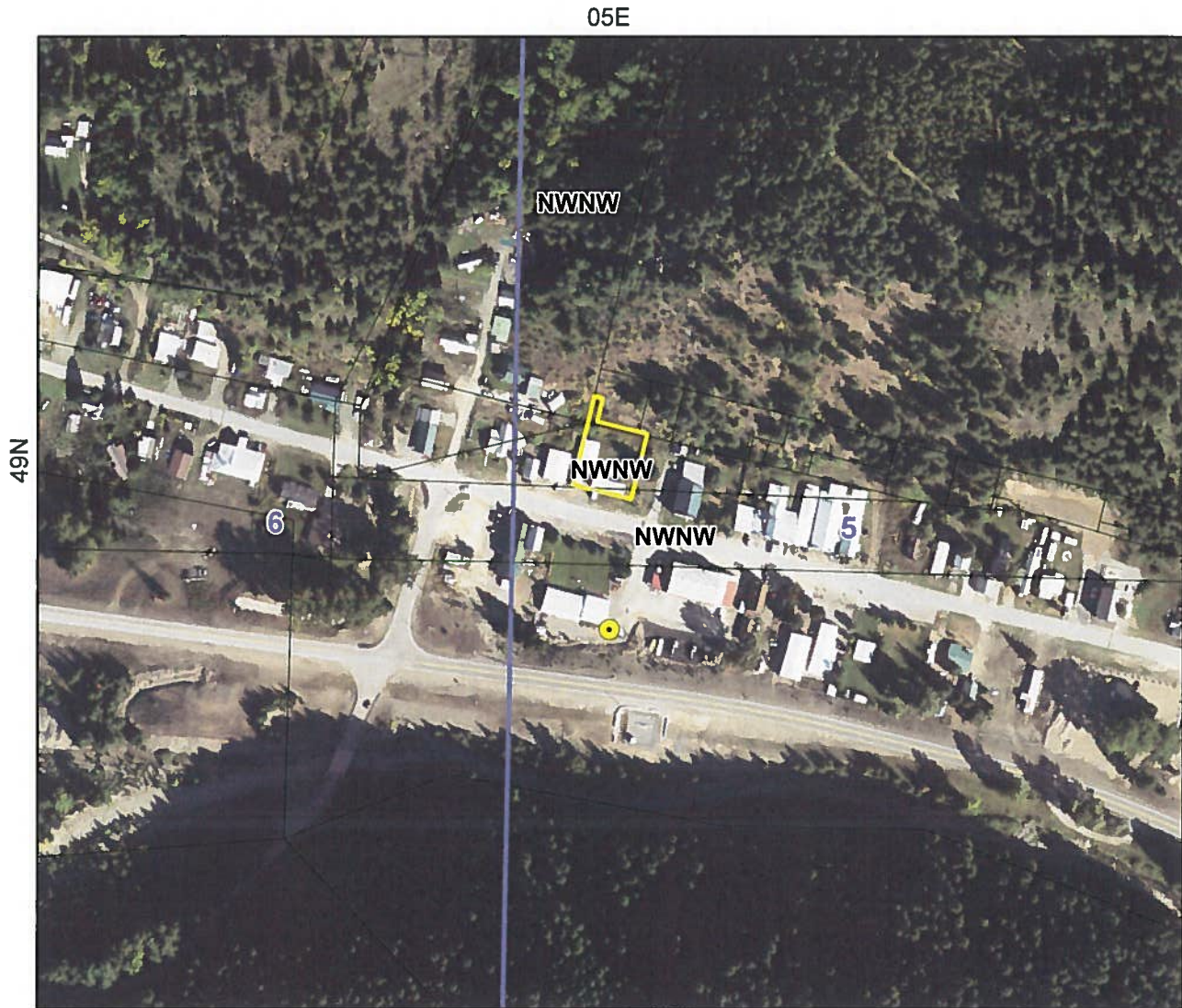
 Change P.U. as reflected above Add P.U. as reflected above X None

I. AUTHENTICATION

Field Examiner's Name Adam Franklin Date 6-6-2017

Reviewer Morgan Case Date 6-7-2017

State of Idaho
Department of Water Resources
Water Right License
94-9458



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

0 0.035 0.07 0.14 Miles



THIS IS A COMMON THEORETICAL PUMPING EQUATION FOR ALL 3 WATER RIGHTS BECAUSE THEY ALL SHARE THE SAME WELL. A PHONE CALL TO DAVID NIBARGER ON 6/5/2017 CONFIRMED A 2.5HP FRANKLIN PUMP IN WELL RUNNING AT 40PSI AND SET AT 60FT.

PUMP EQUATIONS WATER RIGHT No.						
		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	HP*8.8*Eff/H	2.5	152.517	0.8	60	40
Q =	0.116 cfs		51.9 gpm			

