

Method of Determination:

3. ☐ Delivery System Diagram Attached (required). Indicate all major components and distances between components. 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.
- ☒ Aerial Photo Attached (required for irrigation of 10+ acres).
- ☒ Photo of Diversion and System Attached

4.

<u>Well or Diversion</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge Size</u>
<u>ID No.*</u>	FLOTEC	1/2			

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

D. FLOW MEASUREMENTS

1.

<u>Measurement</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
<u>Equipment</u>						

N/A

2. Measurements:

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

Measured Method: MEASUREMENT OF DIVERSION RATE COVERED UNDER IDAPA RULES 37.03.02.035.01.r.

Comparison: system pressure 20 psi = 46.2 ft
 Assume pump lift = 20 ft

$$Q = \frac{hp(8.8)(2.88)}{H}$$

$$= \frac{(\frac{1}{2})(8.8)(0.8)}{20 + 46.2} = 0.05 cfs.$$

F. VOLUME CALCULATIONS**1. Volume Calculations for Irrigation:**

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

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

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

2. Volume Calculations for Other Uses: DOMESTIC USE FOR 1 HOME AND IRRIGATION UP TO 1/2 ACRE = 1.2 AF**G. NARRATIVE/REMARKS/COMMENTS**

FIELD EXAM SHOWED THAT HOME WAS OWNED BY NEW OWNER WHO WANTED TIME TO GET ASSIGNMENT OF PERMIT DONE BEFORE LICENSING. IDWR WAITED 5 MONTHS FOR THIS TO OCCUR AND IS NOW ISSUING LICENSE TO ORIGINAL APPLICANT. SITE VISIT SHOWED 1 HOME AND UNDER 1/2 ACRE OF IRRIGATION. LICENSE WILL BE CHANGED TO DOMESTIC FOR 1 HOME WITH UP TO 1/2 ACRE OF IRRIGATION AND THE IRRIGATION COMPONENT WILL BE REMOVED. MEASUREMENT OF DIVERSION RATE COVERED UNDER IDAPA RULES 37.03.02.035.01.r. LICENSE WILL BE ISSUED FOR 0.04 CFS WITH AN ANNUAL VOLUME OF 1.2 AF.

Have conditions of permit approval been met? ☒ 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	0.040 CFS	1.20 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 ☒ None

☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name Adam Friedman Date 1-29-2016

Reviewer Eigil Date 1-29-2016

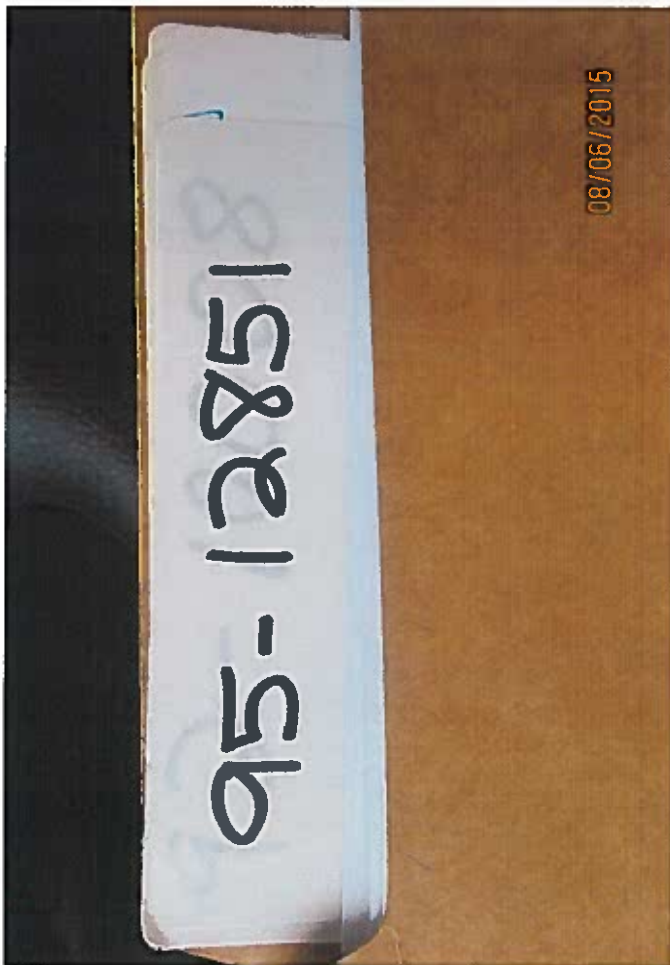
State of Idaho
Department of Water Resources
Water Right License
95-12851



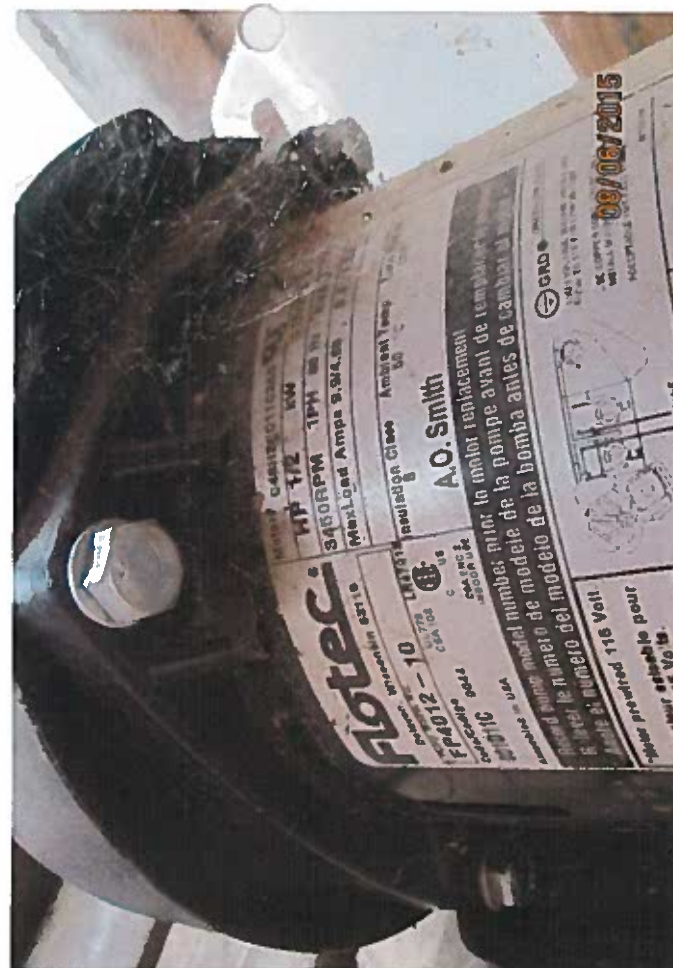
-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections

0 0.035 0.07 0.14 Miles





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