

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 15-7158

Exam Date: 6/30/2015

1. Current Owner: RICHARD D JONES
7271 N HULBERT
FRESNO CA 93711
(208)766-4519
2. Accompanied by: Dan Daniels
Phone No: 208-339-2341
Address:
Relationship to Permit Holder: Lease/manager of property.

3. SOURCETRIBUTARY

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 15 shares of Malad Valley Irrigation.
2. Other water rights with the same point of diversion: 15-4177 (Statutory Claim)

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

GROUND WATER

NE1/4SW1/4

Sec. 17, Twp 14S, Rge 36E, B.M.

ONEIDA County

Method of Determination: Aerial Photography and GPS.

2.

PLACE OF USE: IRRIGATION

Twp Rge Sec	NE				NW				SW				SE				Totals
14S 36E 17	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	39.0
									19.0			20.0					

Total Acres: 39

Method of Determination: Aerial Photography

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>ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge</u> <u>Size</u>
A0010863		100			

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

D. FLOW MEASUREMENTS

1.

<u>Measurement</u> <u>Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
Portable Flowmeter	FSC	Fuji	S10A1-00Y	A0L5539T		May/2015

2. Measurements: A ten minute flowmeter reading was performed. Maximum instantaneous flow rate was 680 gpm or 1.52 cfs.

E. FLOW CALCULATIONS

☒ Additional Computation Sheets Attached

Measured Method: Flowmeter

Measured flow = 1.52 cfs

Maximum diversion allotment at .02 cfs/acre is 0.78 cfs.

Water Right 15-7158 = 0.78 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = 39 \text{ (Acres Irrigated)} \times 3.5 \text{ (Irrigation Requirement)} = 136.5 \text{ AF}$$

$$V_{D.R.} = .78 \text{ [Diversion Rate (cfs)]} \times 214 \text{ (Days in Irrigation season)} \times 1.9835 = 331.1 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 136.5 \text{ AF}$$

2. Volume Calculations for Other Uses: None

G. NARRATIVE/REMARKS/COMMENTS

System runs off of a 100 HP pump. Water right 15-7158 shares the POD and is interconnected with statutory claim 15-4177. Both rights when combined will be limited to the rate of 1.52 cfs. Period of use was updated to standard dates.

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>
IRRIGATION	04/01 to 10/31	0.780 CFS	136.50 AF
<u>Totals:</u>		0.780 CFS	136.50 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 Scott Bergendorf Date 12/23/2015

Reviewer James Cefalo Date 12/23/15

Field Exam License 15-7158



0 300 600 1,200 Feet

Idaho Department of Water Resources
Prepared by Scott Bergendorf
2013 Aerial photography

- Water Lines
- 15-7158 POU
- Township/Range
- Sections
- QQ

