

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 15-7253

Exam Date: 8/17/2012

1. Current Owner: TERRELL W JONES
2161 S 1100 W
MALAD ID 83252
(208)766-2605

Or

EDWARD RAY JONES
2161 S 1100 W
MALAD ID 83252
(208) 766-2605

2. Accompanied by: Terrell Jones and Ray Jones

Phone No:

Address:

Relationship to Permit Holder: Owners

3. **SOURCE**

TRIBUTARY

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: NONE
2. Other water rights with the same point of diversion: NONE

C. DIVERSION AND DELIVERY SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER

SE1/4NW1/4

Sec. 28, Twp 14S, Rge 36E, B.M.

ONEIDA County

Method of Determination: GPS/ Map

2.

PLACE OF USE:

IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	
14S	36E	28		12.4	3.8		7.1			11.4									34.7

Total Acres: 34.7

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 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 Size</u>
D0032410		25			

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>
Flow Meter	FSC	Fuji	S10A1-00Y	A0L5537T		5/30/2012

2. Measurements: 1 flow measurement using flow meter. The average instantaneous diversion rate observed was 385.0 gpm, which equates to 0.86 cfs.

E. FLOW CALCULATIONS

Additional Computation Sheets Attached

Measured Method:

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = 34.7(\text{Acres Irrigated}) \times 3.5(\text{Irrigation Requirement}) = 121.5 \text{ acre-feet}$$

$$V_{D.R.} = 0.69[\text{Diversion Rate (cfs)}] \times 214(\text{Days in Irrigation season}) \times 1.9835 = 292.8 \text{ acre-feet}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 121.5 \text{ acre-feet}$$

2. Volume Calculations for Other Uses:

G. NARRATIVE/REMARKS/COMMENTS

Irrigation system consists of a 25 hp pump diverting water through a mainline which feeds a combination of wheel lines and hand lines. At the time of the exam one ¼ mile wheel line and one ¼ mile hand line was running. The only source of water that has been used since the approval of permit 15-7253 is ground water.

Prior to the approval of permit 15-7253, the right holders did use their Malad Valley Irrigation Co. shares to irrigate the same land. Once the permit was approved, the right holders removed their shares. The shares were removed because it was impossible to get water down their existing ditch to irrigate their land.

Recommend approving as a primary water right.

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	0.690 CFS	121.50 AF
<u>Totals:</u>		0.690 CFS	121.50 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  Date 8/17/2012

Reviewer James Cafato Date 8/27/2012

Beneficial Use Field Exam 15-7253



Legend

- Point of Diversion
- Main Line
- Place of Use
- Township/Range
- Sections
- QQ

0 0.03 0.06 0.12 Miles
1 inch = 0.05 miles



2010 Aerial Photography