

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 15-7246

Exam Date: 6/4/2015

1. Current Owner: JIM ADAMSON
1583 S 5800 W
MALAD ID 83252

Or

JOANNE ADAMSON
1583 S 5800 W
MALAD ID 83252

2. Accompanied by: Family Member

Phone No:

Address:

Relationship to Permit Holder:

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. 34, Twp 14S, Rge 35E, B.M.

ONEIDA County

Method of Determination: GPS and aerial photography

2.

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
14S	35E	34																	13.1

Total Acres: 13.1

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>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>
D0027942	Unknown				

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	April/2015

2. Measurements: Unable to use the flow meter. System could not get a reliable reading. Attempted multiple locations on pipe and always received signal error.

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

Measured Method: Sprinkler count method.

5 sprinkler heads @ 40 psi = 4.61 gpm/nozzle = 23.05 gpm or 0.05 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = 13.1(\text{Acres Irrigated}) \times 3.5 (\text{Irrigation Requirement}) = 45.9 \text{ AF}$$

$$V_{D.R.} = .05[\text{Diversion Rate (cfs)}] \times 214 (\text{Days in Irrigation season}) \times 1.9835 = 21.2 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 21.2 \text{ AF}$$

2. Volume Calculations for Other Uses: None

G. NARRATIVE/REMARKS/COMMENTS

System consist of a small submersible pump. The system runs 5 hand line sprinklers at a time. Flowmeter was unable to provide a reliable measurement. Rate is theoretical based off sprinkler count.

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	0.050 CFS	21.20 AF
<u>Totals:</u>		0.050 CFS	21.20 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 Scott Bergendorf Date 1/22/2016

Reviewer _____ Date _____

Water Right License 15-7246



0 170 340 680 Feet

- 15-7246_POU
- Township/Range
- Sections
- QQ

Idaho Department of Water Resources
Prepared by Scott Bergendorf



