

STATE OF IDAHO  
DEPARTMENT OF WATER RESOURCES  
**BENEFICIAL USE FIELD REPORT**

**A. GENERAL INFORMATION**

Permit No: 15-7244

Exam Date: 7/30/2014

1. Current Owner: STEPHEN C JOHNSON  
2750 S 4100 W  
MALAD CITY ID 83252  
(208)766-4115

Or

SHERRIE JOHNSON  
2750 S 4100 W  
MALAD CITY ID 83252  
(208)766-3110

2. Accompanied by: Kelly Hill  
Phone No: 208 317 3720  
Relationship to Permit Holder: Lessee

3. **SOURCE****TRIBUTARY**

GROUND WATER

**B. OVERLAP REVIEW**

1. Other water rights with the same place of use: None, there are no canal shares or water rights associated with the property.
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

SE1/4SE1/4

Sec. 2, Twp 15S, Rge 35E, B.M.

ONEIDA County

Method of Determination: GPS and ArcMap

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> |        |
| 15S | 35E | 2   |           |           |           |           |           |           |           |           |           |           |           |           | 11.0      | 5.0       | 15.0      | 34.0      | 65.0   |
| 15S | 35E | 11  |           | 2.3       |           |           |           |           |           |           |           |           |           |           |           |           |           |           | 2.3    |

Total Acres: 67.3

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. **Well/Diversion Information**

30 hp submerged.

**D. FLOW MEASUREMENTS**

Theoretical: No suitable measuring points on system.

**E. FLOW CALCULATIONS**

\_\_\_\_\_ Additional Computation Sheets Attached

Measured Method: Theoretical

35 psi; 90 sprinklers on system (four wheel lines: three running 22 sprinklers each, one running 24); 5/32" nozzles.

At 35 psi, 5/32" nozzles discharge 4.31 gpm/sprinkler.

$4.31 \text{ gpm/sprinkler} \times 90 \text{ sprinklers} = 387.9 \text{ gpm/system}$

$387.9 \text{ gpm/system} / 448.83 \text{ gpm/cfs} = 0.86 \text{ cfs/sytem}$

**F. VOLUME CALCULATIONS**

## 1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 67.3 \text{ acres} \times 3.5 \text{ afa} = 235.6 \text{ afa/system}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.86 \times 214 \text{ days} \times 1.9835 = 365.00$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 235.6 \text{ afa}$$

## 2. Volume Calculations for Other Uses: N/A

**G. NARRATIVE/REMARKS/COMMENTS**

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       | 0.86 CFS              | 235.6 AF             |
| <u>Totals:</u>        |                      | 0.86 CFS              | 235.6 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**

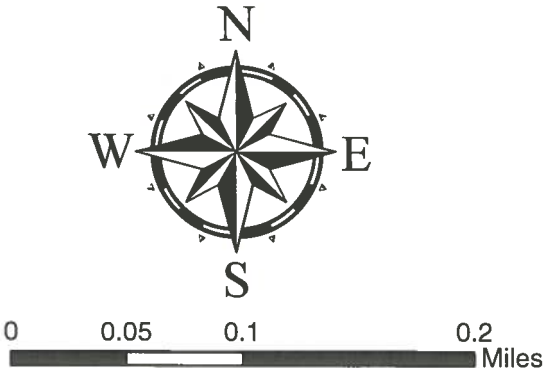
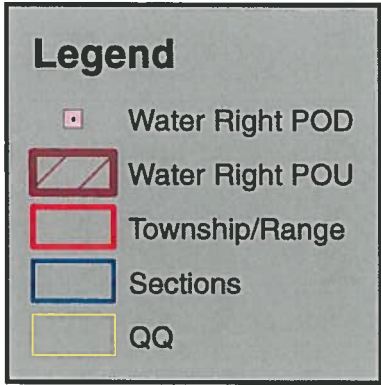
Field Examiner's Name Cooper Fritz Date 3/13/2015

Reviewer \_\_\_\_\_ Date \_\_\_\_\_

# 15-7244 POD and POU



2013 Imagery



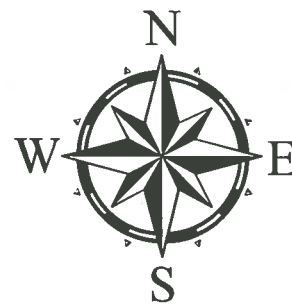
# 15-7244 Mainline, POD, and POU



2013 Imagery

## Legend

- Mainline
- Water Right POD
- Water Right POU
- Township/Range
- Sections
- QQ



0 0.05 0.1 0.2 Miles