

STATE OF IDAHO  
DEPARTMENT OF WATER RESOURCES  
IN-OFFICE REVIEW/BENEFICIAL USE FIELD REPORT

**A. GENERAL INFORMATION**Permit No: 95-16972

Exam Date: 05/02/2016

1. Does this qualify for an in-office field exam (IDAPA 035.02.r)?
- X
- Y
- 
- N

- a. Irrigation of 5 acres or less  
b. Storage of up to 14.6 AF for stockwater purposes only  
c. Any use other than irrigation or storage, if the combined diversion rate is 0.24 cfs or less  
d. Other <     >

2. Current Owner: Name: Heimsoth

Owner of Record Correct?   X  Y   NAddress of Record Correct?   X  Y   N

3. Beneficial Use Fees have been paid:
- X
- Y
- 
- N Receipt No: C101929

4. **SOURCE****TRIBUTARY**

Unnamed Stream

Sinks

Method of Determination: GIS Imagery

Change in Source:

  Y   X   N**B. OVERLAP REVIEW**

1. Other water rights with the same place of use:
- 
- NO Overlap

| Water Right No. | Source       | Purpose of Use | Basis      |
|-----------------|--------------|----------------|------------|
| 95-15104        | Ground Water | Dom/Stock      | Adj. Claim |
|                 |              |                |            |

Comments: POU PIN: RP54N04W184650A

95-15104 – Adj. Claim for Domestic and Stockwater.

The 95-15104 appears to cover same stockwater use as permit 95-16972 but from a different source. There should be a combined limit but 95-15104 is a Claim and hence is not a verified water use at time of the licensing review of permit 95-16972.

2. Other water rights with the same point of diversion:
- X
- NO Overlap

| Water Right No. | Source | Purpose of Use | Basis |
|-----------------|--------|----------------|-------|
|                 |        |                |       |
|                 |        |                |       |

Comments: 95-15104 – Adj. Claim for Groundwater.

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

| Source         | Govt. Lot | ¼ | ¼  | ¼  | Sec. | Twp. | Rge. |      | County |
|----------------|-----------|---|----|----|------|------|------|------|--------|
| Unnamed Stream |           |   | SE | NW | 18   | 54N  | 04W  | B.M. | Bonner |
|                |           |   |    |    |      |      |      |      |        |

Method of Determination: GIS Imagery and application information.

Change in POD?   Y   X   N Amendment Required?   Y   X   N

**2. PLACE OF USE:**

Use: Irrigation

| TW<br>P       | RGE | Sec   | NE |    |    |    | NW |    |     |    | SW |    |    |    | SE |    |    |    | Totals |
|---------------|-----|-------|----|----|----|----|----|----|-----|----|----|----|----|----|----|----|----|----|--------|
|               |     |       | NE | NW | SW | SE | NE | NW | SW  | SE | NE | NW | SW | SE | NE | NW | SW | SE |        |
| 54N           | 04W | 18    |    |    |    |    |    |    | 2.0 |    |    |    |    |    |    |    |    |    | 2.0    |
|               |     | Lot # |    |    |    |    |    |    |     |    |    |    |    |    |    |    |    |    |        |
| Total Acres = |     |       |    |    |    |    |    |    |     |    |    |    |    |    |    |    |    |    | 2.0    |

Method of Determination: GIS imagery.

Use: Stockwater

| TW<br>P       | RGE | Sec   | NE |    |    |    | NW |    |    |    | SW |    |    |    | SE |    |    |    | Totals |
|---------------|-----|-------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------|
|               |     |       | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE |        |
| 50N           | 04W | 18    |    |    |    |    |    |    | X  |    |    |    |    |    |    |    |    |    |        |
|               |     | Lot # |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |
| Total Acres = |     |       |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |

Method of Determination: Taxlot info.

Change in POU? \_\_\_\_Y\_\_X\_\_N    Amendment Required? \_\_\_\_Y\_\_X\_\_N

\_\_\_\_ Delivery System Diagram Attached (required). Indicate all major components and distances between components.

Indicate weir size/pipe as applicable.

\_\_\_\_ Aerial Photo Attached (required for irrigation of 10+ acres).

\_\_\_\_ Photo of Diversion and System Attached

| 4. Well or<br>Diversion<br>Identification No.* | Motor Make | Hp | Motor Serial No. | Pump Make | Pump Serial No. or<br>Discharge Size |
|------------------------------------------------|------------|----|------------------|-----------|--------------------------------------|
|                                                |            |    |                  |           |                                      |

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

**D. FLOW MEASUREMENTS**

| 1.Measurement<br>Equipment | Type | Make | Model No. | Serial No. | Size | Calib. Date |
|----------------------------|------|------|-----------|------------|------|-------------|
|                            |      |      |           |            |      |             |
|                            |      |      |           |            |      |             |

2. Measurements: &lt; \_\_\_\_\_ &gt;

**E. FLOW CALCULATIONS**

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

Measured Method:

Per App. Processing Memo #17, up to 0.03 cfs/acre for irrigation up to 5 acres acceptable. 2.0 acres(0.03 cfs) = 0.06 cfs

Per information in application, gravity flow system. There is an approximate 80 ft elevation change from POD to POU (per contours).

Per application Processing Memo #3, 0-10 stock = 0.02 cfs

**Permit allowed for 0.06 cfs. Irr., 0.02 cfs stock****License recommend for 0.06 cfs. Irr., 0.02 cfs stock****F. VOLUME CALCULATIONS**

1. Volume Calculations for Irrigation:

$$V = \frac{\text{(Acres Irrigated)}}{\text{I.R.}} \times \text{(Irrigation Requirement)} = \frac{2.0}{1} \times 3.0 = 6.0 \text{ _____}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.06 \times 123 \times 1.9835 = 14.6$$

\* Permitted season of use 04/01 to 08/01

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 6.0$$

## 2. Volume Calculations for Other Uses:

Per application Processing Memo #3, 0 - 10 stock = 0.2 afa

**Stockwater Volume: 0.2 afa****No irr. volume required:** Exempt: IDAPA 37.03.02(j) (viii)**G. PURPOSE OF USE**Irrigation ☒ Y ☐ N # Stock 10 Domestic # of Homes \_\_\_\_\_

Other:

Change in Purpose of Use? ☐ Y ☒ X ☐ N

Method of Determination: GIS Imagery.

If Yes: From Use \_\_\_\_\_ To Use \_\_\_\_\_ Amount \_\_\_\_\_ CFS \_\_\_\_\_ AFA \_\_\_\_\_

**H. NARRATIVE/REMARKS/COMMENTS**

Irrigation:

Headgate Requirement: 3.0, Consumptive Use: 2.0, Season of Use: 04/01 to 10/31

MSF Yes

Water District: None, Groundwater Management Area: None

Conditions:

This right does not grant any right-of-way or easement across the land of another.

This right when combined with all other rights shall provide no more than 0.03 cfs per acre nor more than 3.0 afa per acre at the field headgate for irrigation of the place of use.

A fish screen of 0.25 inch or smaller mesh shall be installed and maintained at the point of diversion.

- Per email from permit holder dated 05/09/2016, fish screen installed.

Have conditions of permit approval been met? ☒ X Yes ☐ No**I. 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 08/01       | 0.06 CFS              | N/A - IDAPA 37.03.02(j) (viii) |
| Stockwater            | 01/01 to 12/31       | 0.02 CFS              | 0.2                            |

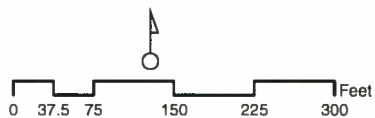
Totals: 0.08 CFS 0.2 AFA stockwater**2. Recommended Amendments**☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ X None☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☒ X None

Other:

**J. AUTHENTICATION**Field Examiner's Name David L. L... Date 05/10/16

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

95-16972



ESRI

05/02/2016

D. Favreau

SWNW 2

SEnw

2 Ac Irr. of trees and garden

18

54N04W

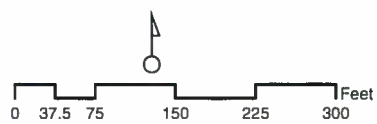
Potential 0.5 domestic irr.

NWSW 3

NESW

NWSE

95-16972



2015 NAIP

05/02/2016

D. Favreau

SWNW 2

SENW

18

54N04W

2 Ac Irr. of trees and garden

Potential 0.5 domestic irr.

NWSW 3

NESW

NWSE

95-16972



0 37.5 75 150 225 300 Feet

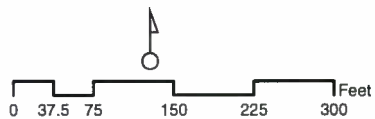
2013 NAIP

05/02/2016

D. Favreau



95-16972



2015 NAIP

05/02/2016

D. Favreau

