

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 37-8869

Exam Date: 4/18/2012

1. Current Owner: EDGAR L SINNOTT
PO BOX 3490
KETCHUM ID 83340
(208)726-9291
2. Accompanied by: Kathy Whitworth, Asst. Manager for Clearwater Nursery, LLC
Phone No: (208)788-5771
Address: 110 Honeysuckle St., Bellevue, ID 83313
Relationship to Permit Holder: Contact person, and Asst. Manager for Clearwater Nursery, LLC

3. SOURCE

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: Irrigation water rights from the Little Wood River for 11.4 acres (37-97B and 37-96B)
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 SW1/4NW1/4 Sec. 9, Twp 02S, Rge 21E, B.M. BLAINE County

Method of Determination: Garmin GPS map 76S, and Arc Map 2009 and 2011

2.

PLACE OF USE: DOMESTIC

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
02S	21E	9						X	X										

Method of Determination: Garmin GPS map 76S, and Arc Map 2009 and 2011

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>
D0002188	StaRite	3	unknown	Franklin	1 ¼ inch

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

D. FLOW MEASUREMENTS**1. Measurements:**

5 Gallon Measurement:

 $(5 \text{ gal} \times 60 \text{ sec}) / 14 \text{ sec} = 21.43 \text{ gpm} \times 0.00223 = 0.047 = 0.05 \text{ cfs}$ **Theoretical** (assuming IDWR standard for domestic as 20 psi, since it is unknown): $(8.8 \times 3 \text{ Hp} \times 0.70 \text{ eff}) / [220 \text{ ft lift} + (20 \text{ psi} \times 2.31)] = 0.07 \text{ cfs}$ **RECOMMEND:**

Domestic internal use for shop bathroom (1 sink, 1 toilet), and 5-wheeler/mobile unit.

Domestic external use for watering individual plants within the greenhouses.

Domestic = 0.04 cfs as permitted

E. VOLUME CALCULATIONS**1. Volume Calculations for Domestic internal/external:**

42-111(1)b. IDWR Standard for Domestic Other Uses, if the total use does not exceed a diversion rate of 0.04 cfs and a diversion volume of 2,500 gpd.

RECOMMEND:

Domestic use, not to exceed 2,500 gpd, as permitted.

F. NARRATIVE/REMARKS/COMMENTS

The system consists of a 6 inch casing; the casing is 19 inches above ground level; 300 ft deep well; 210 ft static, 40 gpm test for 1 hour; Sta Rite motor, 3Hp Franklin pump, 1 1/4 inch discharge to 1 1/2 inch buried PVC going to the 5th wheeler, shop and greenhouses. Domestic Internal Use is for the 5th wheeler (located to the south west of the shop), and the shop located directly north of the well (for 1 restroom in the office consisting of 1 toilet and 1 sink). Domestic External Use is for the 30 ft X 100 ft greenhouses (where plants are individually watered or with mister nozzles that are hanging at intervals throughout the greenhouses). The number of greenhouses being used varies, depending on what is being grown, and what has already been shipped out. The well was drilled 11/3/1997 by Wood River Drilling No. 265, at (208)788-3163. Tax Lot Information updated 3/10/2012 confirms Carey Farm LLC (same owner and address).

Have conditions of permit approval been met? ☒ Yes ☐ No**G. RECOMMENDATIONS****1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
DOMESTIC	01/01 to 12/31	0.040 CFS	(limited to 2,500 gpd) 42.111(1)b

Totals: 0.040 CFS**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**H. AUTHENTICATION**

Field Examiner's Name

Sandy Hemenway

Date

4/23/2012



SESE 5

SWSW

SESW 4

SWSE

NENE

NWNW

NENW

NNNE

SENE

SWNW

SESW

SWNE

8

9

NESE

NWSW

NESW

NWSE

SESE

SWSW

SESW

SWSE

POU
1 1/2" buried
30' x 100'
greenhouse
shop +
5th wheel

02S21E



POD:
 6" casing
 14" above
 ground
 level,
 3Hp
 Franklin
 submerses
 1 1/4"
 dischar
 to 1 1/2"
 buried
 PVC
 which
 goes
 to the
 5th
 wheede
 shop,
 +
 green-
 house

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POD

POD

located
 south
 of
 shop

04/18/2012



37-8869 Sinnott

S. Hemenway



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POU
30'x100'
green-
houses
some
still with
plants +
some
now
empty
due to
plants
being
shipped
out, +
covers
remove



04/18/2012

POU :
view o
shop
&
green-
houses

