

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 65-13978

Exam Date: 10/3/2011

1. Current Owner: CAROL LYNN MAC GREGOR
1109 WARM SPRINGS AVE
BOISE ID 83712
(208) 386-9494
2. Accompanied by: Carol Lynn Mac Gregor
Phone No: ranch (208)382-3430; cell (208)608-3497
Address: 60 Raspberry Rd., Cascade, Idaho 83611 (physical address for the POU)
Relationship to Permit Holder: self

3. SOURCE

SPRING

TRIBUTARY

MOORES CREEK

B. OVERLAP REVIEW

1. Other water rights with the same place of use: None. ArcMap shows: 65-3408 (irrigation from unnamed stream for that QQ); 65-3409 (domestic internal/external use, groundwater source for the house to the north)
2. Other water rights with the same point of diversion: 65-13905 (they share the same POD, collection tank, and main)

C. DIVERSION AND DELIVERY SYSTEM1. LOCATION OF POINT(S) OF DIVERSION:

SPRING NW1/4SW1/4NW1/4 Sec. 14, Twp 13N, Rge 03E, B.M. VALLEY County

Method of Determination: Garmin GPS Map 76S

2.

PLACE OF USE: DOMESTIC

Tw	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>	
13N	03E	14					X	X											

Method of Determination: ArcMap2009

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

D. FLOW MEASUREMENTS

1. Measurements:
5-Gallon Measurement: (5 gallon X 60 sec)/19 sec = 15.78947368 X 0.00223 = 0.04 cfs (per 1 ¼ inch line to each house)
2. **Pipe Conversion:**
 4 inch off the spring: 0.44 cfs maximum capacity

 Reduces to 2-inch: 0.11 cfs maximum capacity

 Splits into 2 directions with each split being 1 ¼-inch (one going to the old house, one to the new house):

 $Q = 5 \times 3.1416 \times 0.002712674 = 0.0426 = 0.04 \text{ cfs (for each house)}$

Recommend: 0.04 cfs internal/external use.

E. VOLUME CALCULATIONS

1. **Recommend IDWR Standard for Domestic 1, internal/external: 0.6 af**

F. NARRATIVE/REMARKS/COMMENTS

A 1000 gallon collection tank at the spring, with a 4-inch discharge to 4-inch buried PVC that reduces to 2-inch PVC then splits with one 1 ¼ inch PVC line going to the shop and new house (on water right 65-13978), and the other 1 ¼ inch PVC line going to the older house (on water right 65-13905). The entire system is a gravity flow system. The local name for the spring is Janelle Spring. The ID Tag No. A0016948, is attached to the hatch of the collection tank. A physical measurement was taken at the frost free hydrant next to the shop (the riser next to it is for surface water, from water right 65-13903). Tax Lot information that was updated on 4/14/2011 confirms that the property for the POD and POU are owned by Carol Lynn Mac Gregor. Use is for Domestic internal, and external use (yard/garden).

Have conditions of permit approval been met? ☒X_Yes ☐No

H. 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	1.20 AF
<u>Totals:</u>		0.040 CFS	1.20 AF

2. Recommended Amendments

☐Change P.D. as reflected above ☐Add P.D. as reflected above ☐None

☐Change P.U. as reflected above ☒X_Add P.U. as reflected above ☐Other

***The location of the shop is in another QQ, which was not listed on the permit and will require an amendment.

I. AUTHENTICATION

Field Examiner's Name

Judy Hemmway Date 10/6/11

SWSW

SESW

NWNW

NENW

2" PVC

4" PVC

1" PVC

shop

New House

65-13905
POU

65-13978
POU

POD for
65-13905
65-13978
Janelle Spring
1000 gallon tank
Collection Tank

SWNW

SENW



POU
house
(new
house)



POU
shop

65-13978 Max Gregor

S. Hennemanway



POU
yard,
house

10/03/2011



POU
shop,
area
around
shop,
frost-
free
(spring
source
riser
(surface
water))

10/03/2011

65-13978 Mac Gregor

S. Hemenway



POD
1000
gallon
collectio
tank
at the
spring

65-13978 MacGregor

S. Hemmick