

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 77-14237

Exam Date: 10/20/2011

1. Current Owner: GREENHURST FARMS INC
5705 E GREENHURST
NAMPA ID 83686
(208)466-1742
2. Accompanied by: Terry and Kathy Henrickson/owners
Phone No: hm (208) 466-1742, cell (208) 713-5854
Address: 5705 E Greenhurst, Nampa, ID 83686
Relationship to Permit Holder: self

3. SOURCE

SPRING

TRIBUTARY

SINKS

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 SYSTEM1. LOCATION OF POINT(S) OF DIVERSION:

SPRING NE1/4NE1/4NE1/4 Sec. 35, Twp 24N, Rge 03E, B.M. IDAHO County

Method of Determination: Garmin GPS map 76S, and 2011 ArcMap Imagery

2.

PLACE OF USE: STOCKWATER

Twp	Rge	Sec	NE				NW				SW				SE				Totals
24N	03E	35	<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>	
			X																

Method of Determination: Garmin GPS map 76S, and 2011 ArcMap Imagery

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 or Diversion**ID No.*****Motor Make****Hp****Motor Serial No.****Pump Make****Pump Serial No. or Discharge
Size**

A0016953 gravity flow system from spring to frost-free hydrant (see Narrative)

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

D. FLOW MEASUREMENTS

1. Measurements:

Physical Measurement at the Frost-Free Hydrant (located at the corrals):

(1 gallon/60 sec)/10 sec = 6 gpm X 0.00223 = 0.01 cfs

Pipe Flow Conversion on 1 inch pipe from Spring to the Frost-Free Hydrant: $Q = 5 \times 3.1416 \times R\text{-squared} \quad (R = [\text{diameter}/12]/2)$

Q = 0.03 cfs capacity

RECOMMEND: 0.01 cfs

E. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

 $V_{I.R.} = (32 \text{ horses \& or mules} \times 12 \text{ gpd} \times 365 \text{ days})/325850 = 0.4 \text{ af}$ $V_{D.R.} = 0.01 \text{ cfs} \times 365 \text{ days} \times 1.9835 = 7.2 \text{ af}$ $V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 0.4 \text{ af}$ **F. NARRATIVE/REMARKS/COMMENTS**

At the spring, there is a small pool where 3 inch pvc with 1/4 inch holes is laid to act as a collection area, then discharged to 1 inch buried PVC running down the mountain to the frost-free hydrant located at the corrals. A 3/4 inch hose is attached to the frost-free hydrant to fill the stock tanks. An air vent keeps the flow running smoothly, allowing pressure to be released. There is a 1 inch overflow line that discharges at the fire protection pond. Stock consists of 32 mixed head, but usually they are horses and mules which are used for riding, and during hunting season. The POU consists of a fenced corral area.

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>
STOCKWATER	01/01 to 12/31	0.010 CFS	0.40 AF
<u>Totals:</u>		0.020 CFS	0.40 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



Date

10/27/2011

SESE

26

WSW

25

POD, PVC w/ 1/4" holes
3" laid in spring pool
w/ 1" discharge to 1" PVC

Pond
overflow

24N03E

PVC (corral)
frost-free
hydrant

NENE

35

NWNW

36



POD
spring
collecti
area
with
1"
overflo
at pond

In
collectio
area is
3" PVC
with
1/4"
holes
to
collect
water,
dischar
to 1"
buried
PVC
going
down
the
mountai
to the
frost-
free
hydran

air
vent
for the
system

10/20/2011

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Poll
1" line
from
spring
to
frost-
free
hydrant
then a
hose to
the
stock
tank
32-
mixed
stock
(usually
horses &
mules)

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S. Hemerway



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S. Hemenway

* At the time of this field exam, no claims or water rights were found in T24 N R3E Sec 25 SWSW, the location of the pond.