

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 85-15420

Exam Date: 9/5/2012

1. Current Owner: RANDY S DUMAN
3127 8TH ST C, APT B
LEWISTON ID 83501
(208)962-5628

2. Accompanied by: Randy

3. SOURCE

SPRING

TRIBUTARY

COTTONWOOD CREEK

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

SPRING SW1/4SW1/4SE1/4 Sec. 26, Twp 32N, Rge 01W, B.M. IDAHO County

Method of Determination: GPS (46.078417, -116.4202)

2.

<u>PLACE OF USE:</u>			DOMESTIC AND STOCKWATER														<u>Totals</u>		
<u>Twp</u>	<u>Rge</u>	<u>Sec</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>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>		<u>SW</u>	<u>SE</u>
32N	01W	26												X				X	

Method of Determination: Field visit

3. ☒ Delivery System Diagram Attached (required).
☒ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required).
☒ Aerial Photo Attached (required for irrigation of 10+ acres).
☒ Photo of Diversion and System Attached

4.

<u>Well or Diversion</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>
A0017568		1/2 hp			

D. FLOW MEASUREMENTS

1.

<u>Measurement</u>	<u>Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
	Bucket and stopwatch						

2. Measurements:

1 gpm measured but the permit holder asserts that they pump 5 gpm

E. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method:

The measurement point was the pipe that discharges into the pond (gravity fed). The measurement of 1 gpm is most likely much smaller than the diversion rate they can obtain with the ½ pump they have in place. The pump is located at the spring box and is diverting water uphill to a storage tank. Here is a theoretical figure given the hp.

$$8.8 \times \frac{1}{2} \times 0.7 / 115 + (2.31 \times 5) = 3.08 / 127 = 0.02 \text{ cfs}$$

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: NA

2. Volume Calculations for Other Uses: Domestic for 2 homes and ½ acre of irrigation total → (0.6 x 2 homes) + 0.6 (1/2 acre of irrigation) = 1.8 AF

The pond is roughly 0.098 acres and is 10' deep at the deepest point. $0.098 \times 10' \times 0.40 = \underline{0.40 \text{ AF}}$

Stockwater of 10 cattle → 10 cattle x 12 gpd x 365 = ~0.2 AF

2.4 AF total**G. NARRATIVE/REMARKS/COMMENTS**

Originally, the permit holder's brother owned the property that is up on the hill. I asked the permit how the water right was handled when the new owner bought the property and he wasn't sure. I told him the new owner may file an ownership change on the right and split it but the permit holder thought there was an agreement where the system remained in his name. This issue can be dealt with at a future time if necessary.

Randy's place, the home in the SESW, has automatic sprinklers and irrigates nearly ¼ of an acre. It doesn't appear that the home on the hill irrigates much lawn at all but I will allow ½ acre of irrigation between both homes. The stockwater is used by Randy only.

Randy built a building pad for a future home. I told him if he puts in a new home and plumbs it with the spring water he would have to file a new water right since this right allows for 2 homes only.

The spring box consists of a 1,000 gallon cement structure. The spring water is pumped up to a 2000 gallon storage tank where the water is gravity fed to the homes. The spring runs year round and is the only source of water for the homes. The pond on Randy's property is used in conjunction with his domestic use, there is a fence around the pond prohibiting the cattle from drinking from it.

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>
DOMESTIC	01/01 to 12/31	0.02	2.2 AF
STOCKWATER	01/01 to 12/31	0.02	0.2 AF
<u>Totals:</u>		0.02	2.4 AF

2. Recommended Amendments

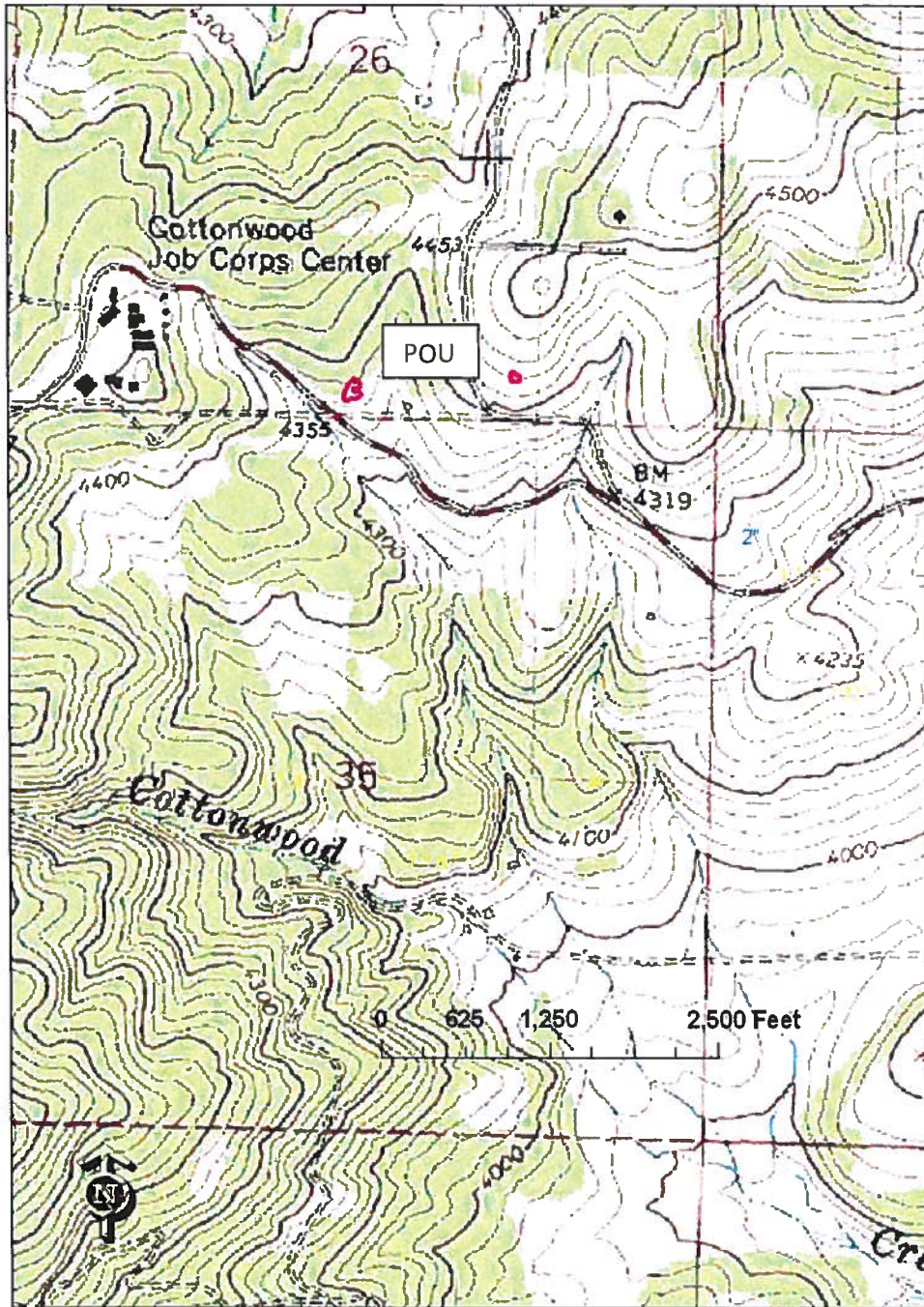
____ Change P.D. as reflected above ____ Add P.D. as reflected above ☒ None

____ Change P.U. as reflected above ____ Add P.U. as reflected above ____ Other

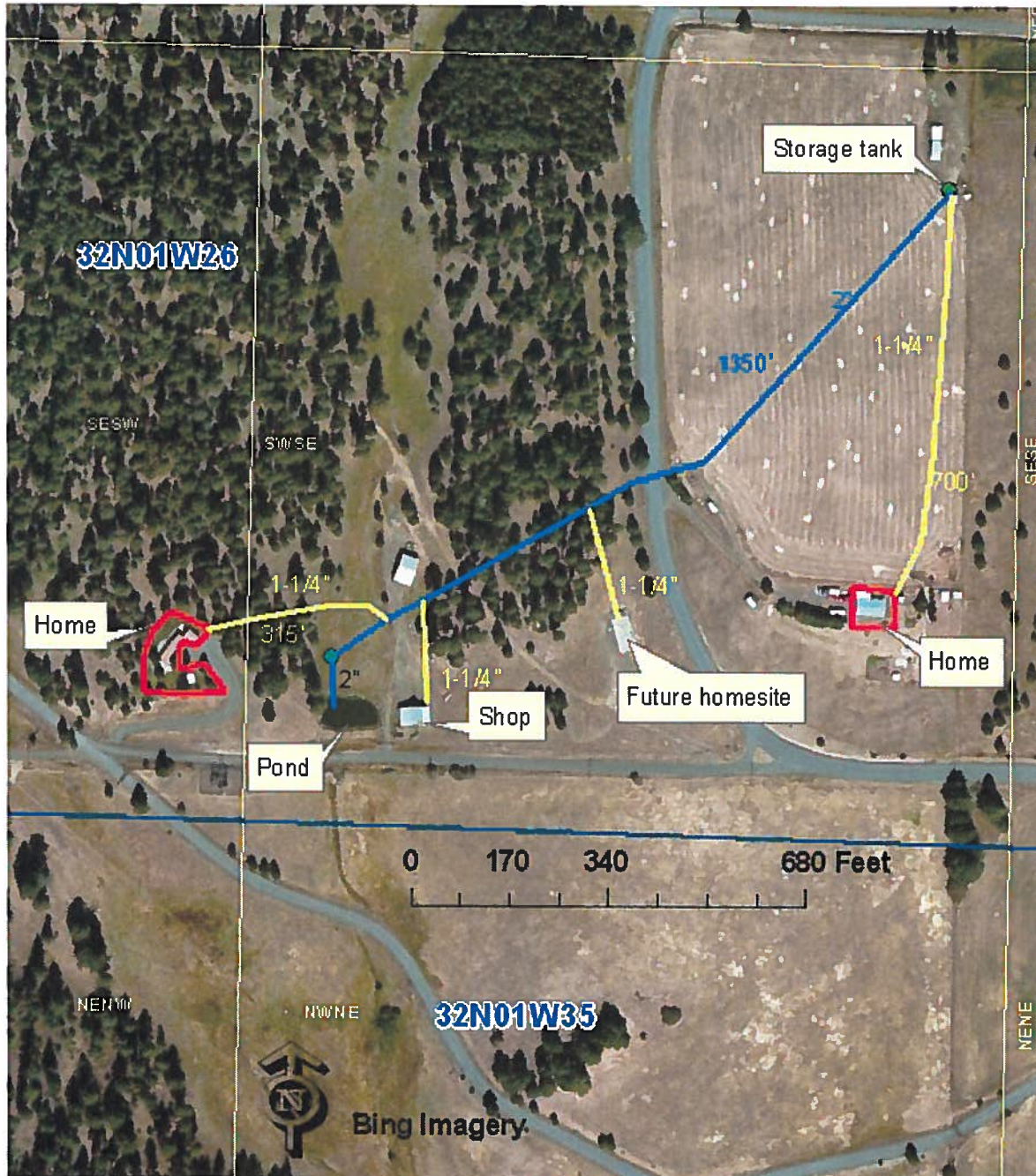
I. AUTHENTICATION

Field Examiner's Name Cherie Palmer Date 10/23/12

Reviewer _____ Date _____



Delivery System





Spring box
1,000 gallon capacity



Fence around Spring
box

Looking NE
pond is behind me



Pipe to the pond
water is gravity fed
from spring box
Facing SW



Shop
has a
hydrant
for
water