

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 93-7181

Exam Date: 04-17-2014

1. Current Owner: STUART D & NORA K LANNING TRUST
1475 SOUTH FORK HANGMAN CREEK RD
TENSED ID 83870
(208) 274-4020
2. Accompanied by: Owner
Phone No: Same
Address: Same

3. **SOURCE**

SPRINGS

TRIBUTARY

HANGMAN 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 SYSTEM1. **LOCATION OF POINT(S) OF DIVERSION:**

SPRINGS NE1/4SW1/4SW1/4 Sec. 23, Twp 44N, Rge 04W, B.M. BENEWAH County

SPRINGS NE1/4SW1/4SW1/4 Sec. 23, Twp 44N, Rge 04W, B.M. BENEWAH County

Method of Determination: Aerial photography, Bing Maps and Arc Map Data.

2.

PLACE OF USE: IRRIGATION STORAGE

Twp Rge Sec	NE				NW				SW				SE				Totals
44N 04W 23	<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	X							

PLACE OF USE: IRRIGATION FROM STORAGE

Twp Rge Sec	NE				NW				SW				SE				Totals
44N 04W 23	<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>	
											1.0						1.0

Total Acres: 1

PLACE OF USE: STOCKWATER STORAGE

Twp Rge Sec	NE				NW				SW				SE				Totals
44N 04W 23	<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	X						

PLACE OF USE: STOCKWATER FROM STORAGE

Twp Rge Sec	NE				NW				SW				SE				Totals
44N 04W 23	<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	X						

PLACE OF USE: RECREATION STORAGE

Twp Rge Sec	NE				NW				SW				SE				Totals
44N 04W 23	<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	X						

PLACE OF USE: WILDLIFE STORAGE

Twp Rge Sec	NE				NW				SW				SE				Totals
44N 04W 23	<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	X						

PLACE OF USE: FIRE PROTECTION STORAGE

Twp Rge Sec	NE				NW				SW				SE				Totals
44N 04W 23	<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	X						

Method of Determination: Aerial photography, Bing Maps and Arc Map Data.

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>
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Spring in each pond

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

D. VOLUME CALCULATIONS

See attached pond(s) data worksheet.

E. NARRATIVE/REMARKS/COMMENTS : Ponds worksheet is the same is on site.

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

F. RECOMMENDATIONS

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>ANNUAL VOLUME</u>
IRRIGATION STORAGE	01/01 to 12/31	7.50 AF
IRRIGATION FROM STORAGE	04/01 to 10/31	3.00 AF
STOCKWATER STORAGE	01/01 to 12/31	7.80 AF
STOCKWATER FROM STORAGE	01/01 to 12/31	0.70 AF
RECREATION STORAGE	01/01 to 12/31	7.10 AF
WILDLIFE STORAGE	01/01 to 12/31	7.10 AF
FIRE PROTECTION STORAGE	01/01 to 12/31	7.10 AF
<u>Totals:</u>		10.80 AF

2. Recommended Amendments

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

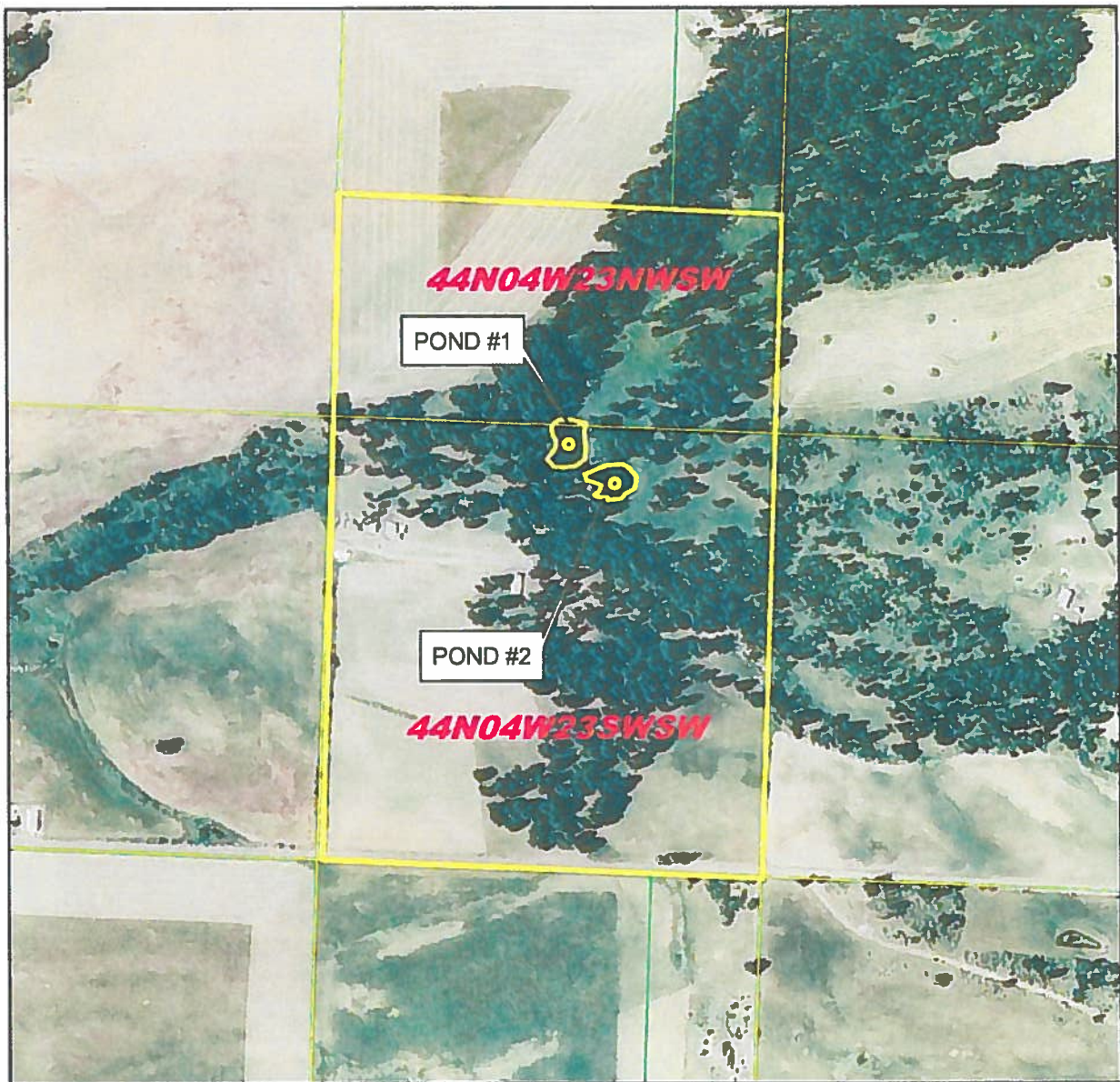
☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

G. AUTHENTICATION

Field Examiner's Name Eric Muns Date 4-22-2014

Reviewer Keith E. Franklin Date 4-30-2014

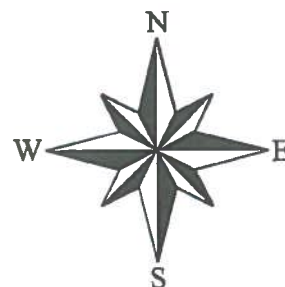
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Legend

0 210 420 840 1,260 1,680 Feet

-  workingpod
-  workingpou
-  QQ
-  Taxlots





Pond #2



Pond #1



IRRIGATION



STOCK

93-7181

LANNING POND WORKSHEET

SOURCE ARE SPRINGS THAT SURFACE THROUGH THE BOTTOM OF EACH POND

POND #1: 0.3 AC X 12 FT DEEP = 3.6 ACFT

SURFACE AREA = 13,068 SQFT

EVAPORATION = 815 GPD X 365 DAYS / 325,850 GALL/ACFT = 0.9 AF

SEEPAGE = 0.0 AF

POND #2: 0.2 AC X 10 FT DEEP = 2.0 AF

SURFACE AREA = 8,712 SQFT

EVAPORATION = 543 GPD X 365 DAYS / 325,850 GALL/ACFT = 0.6 AF

STOCKWATER: 50 MIXED X 12 GPD X 365 DAYS / 325,850 GALL/ACFT = 0.7 AF

IRRIGATION IS FOR ONE ACRE

7.5 AF	IRRIGATION STORAGE	a.) POND #1 SIZE	3.6 AF
		b.) EVAPORATION	0.9 AF
		c.) SEEPAGE	0.0 AF
		d.) IRRIGATION 1 AC	3.0 AF
	TOTAL		7.5 AF

3.0 AF IRRIGATION FROM STORAGE

7.8 AF	STOCKWATER STORAGE	a.) PONDS #1 & #2 SIZE	5.6 AF
		b.) EVAPORATION	1.5 AF
		c.) SEEPAGE	0.0 AF
		d.) STOCKWATER 50 MIXED	0.7 AF
	TOTAL		7.8 AF

0.7 AF STOCKWATER FROM STORAGE

7.1 AF	RECREATION STORAGE	a.) PONDS #1 & #2 SIZE	5.6 AF
		b.) EVAPORATION	1.5 AF
		c.) SEEPAGE	0.0 AF
	TOTAL		7.1 AF

7.1 AF	WILDLIFE STORAGE	a.) PONDS #1 & #2 SIZE	5.6 AF
		b.) EVAPORATION	1.5 AF
		c.) SEEPAGE	0.0 AF
	TOTAL		7.1 AF

7.1 AF	FIRE PROTECTION STORAGE	a.) PONDS #1 & #2 SIZE	5.6 AF
		b.) EVAPORATION	1.5 AF
		c.) SEEPAGE	0.0 AF
	TOTAL		7.1 AF

TOTAL VOLUME: 7.8 AF + (7.5 AF - 3.6 AF - 0.9 AF) = 10.8 AF