

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-10205

Exam Date: 4/30/2015

1. Current Owner:

JOHN T MONTEE 15198 N HAMLET TRAIL HAYDEN ID 83835 (208)762-2733

And/Or

VIRGINIA M MONTEE 15198 N HAMLET TRAIL HAYDEN ID 83835 (208)762-2733

2. Accompanied by: John Montee

3. SOURCE: SPRINGS

TRIBUTARY: STUMP CREEK

B. OVERLAP REVIEW

1. Other water rights with the same place of use: Claim 95-10205

2. Other water rights with the same point-of-diversion: None

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

SPRINGS NW¼NE¼SE¼ Sec. 35, Twp 52N, Rge 03W, B.M. KOOTENAI County

SPRINGS NE¼NE¼SE¼ Sec. 35, Twp 52N, Rge 03W, B.M. KOOTENAI County

Method of Determination: GPS and maps. POD location at 47° 48.544, 116° 39.608

2.

PLACE OF USE: RECREATION STORAGE

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
52N	03W	35													X				

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	
52N	03W	35													X	X			

PLACE OF USE: STOCKWATER

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
52N	03W	35													X	X			

Method of Determination: GPS and maps.

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

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

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

2. Measurements:

E. FLOW CALCULATIONS

Measured Method: UNABLE TO PERFORM FLOW

Additional Computation Sheets Attached

MEASUREMENT ON SPRING, MEASUREMENT OF DIVERSION RATE COVERED UNDER IDAPA RULES

37.03.02.035.01.r.

F. VOLUME CALCULATIONS**1. Volume Calculations for Irrigation:**

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 =$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} =$$

2. Volume Calculations for Other Uses: DOMESTIC WITH UP TO 1/2 ACRE OF IRRIGATION = 1.2 AF

$$10 \text{ HEAD OF MIXED STOCK} \times 12 \text{ GPD} \times 365 \text{ DAYS} / 325,850 \text{ GAL/AF} = 0.1 \text{ AF}$$

SEE ATTACHED POND ANALYSIS SHEET

G. NARRATIVE/REMARKS/COMMENTS

FIELD EXAM SHOWED APPLICANTS HAD 1 HOME AND HAD 10 HEAD OF MIXED STOCK SERVED BY SPRING. DURING FIELD EXAM IT WAS DETERMINED THAT THERE WAS SPRING IN BOTTOM OF POND AND SPRING ADJACENT TO POND. AMENDMENT WILL BE SENT TO ADD 2ND SPRING TO LICENSE. UNABLE TO PERFORM FLOW MEASUREMENT ON SPRINGS. APPLICANT ALSO HAD POND WITH THE SAME SOURCE THAT SERVED HOME AND LIVESTOCK PLUS SPRING IN BOTTOM OF POND. SEE ATTACHED POND ANALYSIS SHEET FOR POND INFORMATION.

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	0.04 CFS	1.2 AF
STOCKWATER	01/01 to 12/31	0.02 CFS	0.1 AF
RECREATION STORAGE	01/01 to 12/31		5.7 AF
<u>Totals:</u>		0.060 CFS	7.00 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 ☒ None
I. AUTHENTICATIONField Examiner's Name Adam Furdick Date 5-9-2016Reviewer Morgan Case Date 5/18/2016

Total Storage Calculations

FILE NUMBER	B5-10205
REVIEWER	ADAM FREDERICK
DATE	4/7/2016

This spreadsheet has been designed by Idaho Department of Water Resources to estimate the total seepage, evaporation and fill capacity required for a pond.

User Input
Calculated value
Formula Explanations

Surface Area (AC.)	0.6	"Surface Area" is automatically carried over from the "Seepage Loss" sheet.
Average Pond Depth (FT.)	8	"Average Pond Depth" depicts the actual depth of the pond either measured or estimated. Note: If you know the maximum depth and not the average depth, the Field Examiner's Handbook suggests multiplying the maximum depth by 0.4 to get the average depth, or you can use any method that seems reasonable to attain average depth.
Pond Capacity (AF)	4.8	Pond Capacity is calculated by multiplying the Pond Surface Area by the Average Pond Depth. If you know the capacity, divide the capacity by surface area and enter the average pond depth in the space above. <i>Note: If pond capacity is determined using a method shown on the "Pond Capacity" sheet, the user may need to modify the value of "Pond Capacity" (cell B9) manually. Note that if the value is modified manually, the formula will be altered for future use.</i>

Multiple Fill Volume Above Initial Fill to Fulfill From Storage Needs- "Multiple Fills" (AF)	0	The "Multiple Fill Volume Above Initial Fill" is the acre-feet of water required to meet a <i>from storage</i> component if the <i>from storage</i> component exceeds a one time fill. This section should not include the amount of water needed to fill the pond initially or the amount of water needed to maintain the pond level due to evaporation or seepage. For example: If a pond has a capacity of 5 acre feet and 2.5 acre feet of seepage and evaporation, but the pond is used for irrigation that requires 10 acre feet of from storage for the irrigation use, then you would insert 5 acre feet into this location (10 acre feet needed - 5 acre feet from the initial fill = 5 acre feet of additional storage needed). <i>Note: You must have a "From Storage" component exceeding the initial fill on the permit to include a volume in this space.</i>
Estimated Seepage Loss (AF)	0.0	The "Estimated Seepage Loss" is automatically carried over from the "Seepage Loss" sheet.
Estimated Evaporation Loss (AF)	0.9	The "Estimated Evaporation Loss" is automatically carried over from the "Evaporation Loss" sheet.
Total Volume Required (AF)	5.7	The "Total Volume Required" is calculated by adding the Pond Capacity, Multiple Fills, Seepage Loss, and Evaporation Loss amounts to determine the total amount of storage required.

State of Idaho
Department of Water Resources
Water Right License
95-10205
DOMESTIC

03W

52N



The USDA-FSA Aerial Photography Field office asks to be credited in derived products.

0 0.035 0.07 0.14 Miles

- Point of Diversion
- Place Of Use Boundary
- Townships
- PLS Sections



State of Idaho
Department of Water Resources
Water Right License
95-10205
RECREATION STORAGE

03W



0 0.035 0.07 0.14 Miles

-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections



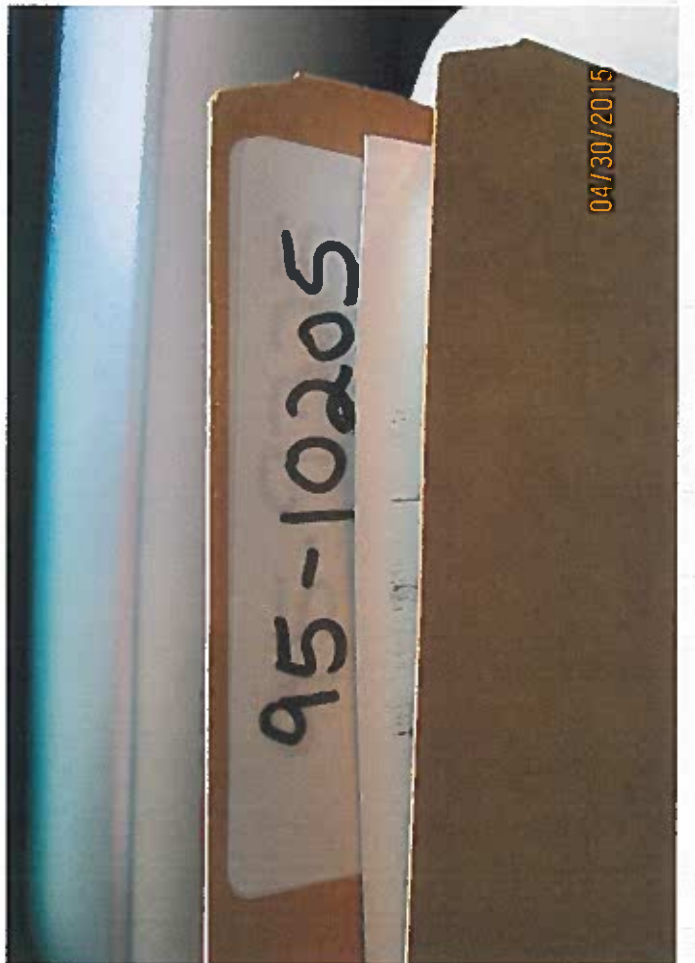
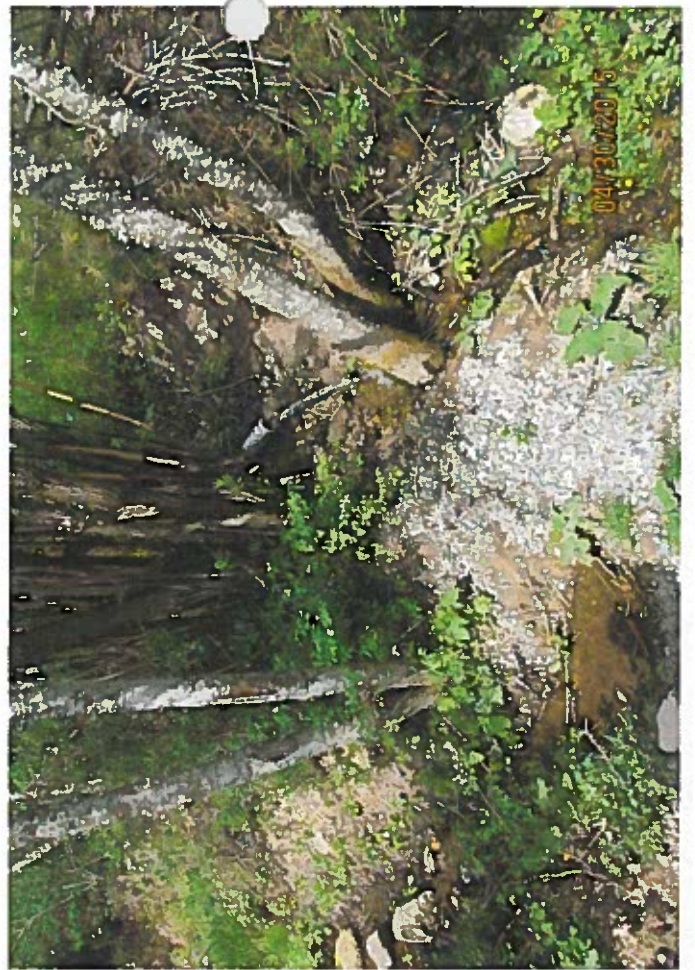
State of Idaho
Department of Water Resources
Water Right License
95-10205
STOCKWATER



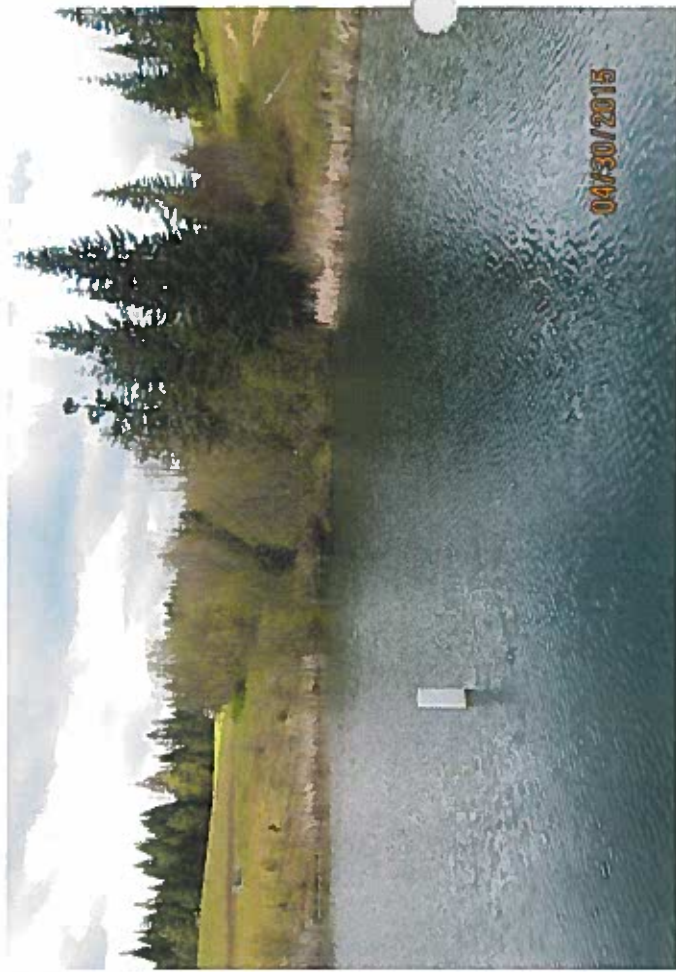
- Point of Diversion
- Place Of Use Boundary
- Townships
- PLS Sections

0 0.0425 0.085 0.17 Miles

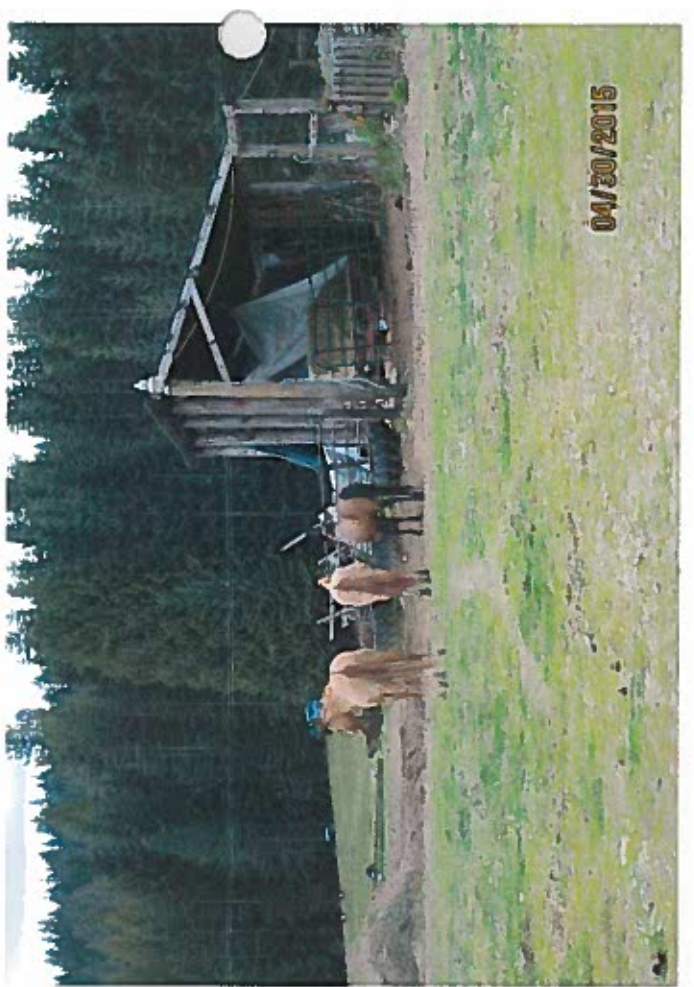




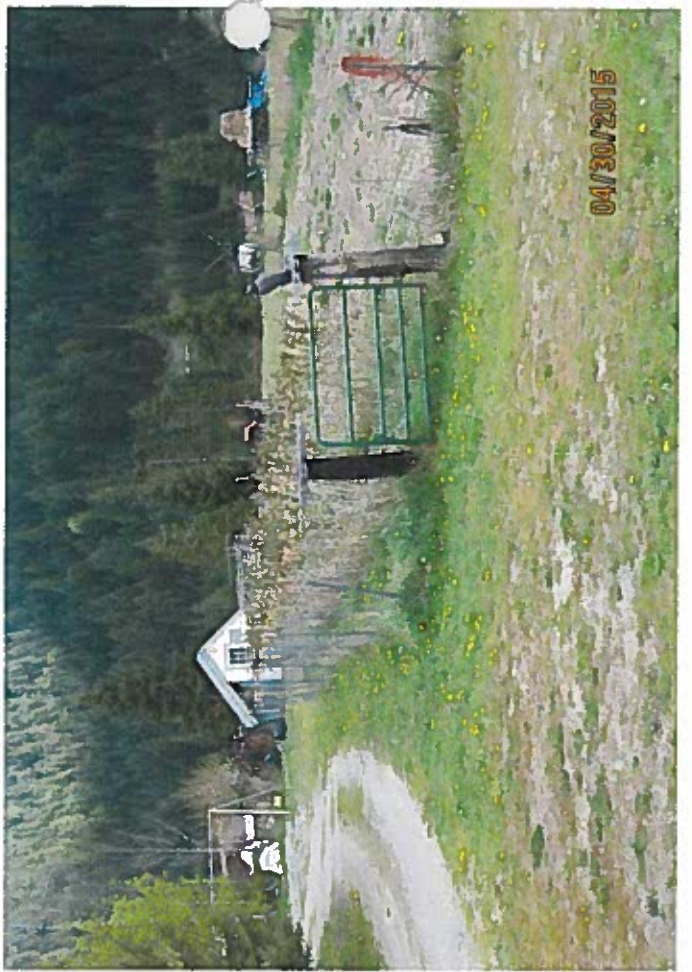
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