

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 96-09389

Exam Date: 5/24/2016

1. Current Owner:

WILLIAM J HUGHES 198 HORN MT RD PRIEST RIVER ID 83856 (208)255-2335

And/Or

SUSAN UPTON HUGHES 198 HORN MT RD PRIEST RIVER ID 83856 (208)255-2335

2. Accompanied by: Applicant

3. SOURCE: HOODOO CREEK

TRIBUTARY: PEND OREILLE RIVER

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:

HOODOO CREEK SE¼SW¼ Sec. 12, Twp 55N, Rge 04W, B.M. BONNER County

Method of Determination: GPS and maps. POD location at 116° 46.744, 48° 07.487

2.

PLACE OF USE: FIRE PROTECTION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
55N	04W	12												X					

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
55N	04W	12												4.0					4.0

Total Acres: 4

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.

X Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.

X Aerial Photo Attached (required for irrigation of 10+ acres).

X 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
	HONDA	5.5			

*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: MEASUREMENT OF DIVERSION RATE
COVERED UNDER IDAPA RULES 37.03.02.035.01.r.

_____ Additional Computation Sheets Attached

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 4 \text{ AC} \times 3 \text{ AF} = 12.0 \text{ AF}$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.12 \times 214 \times 1.9835 = 50.9 \text{ AF}$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = 12.0 \text{ AF}$$

2. Volume Calculations for Other Uses:

G. NARRATIVE/REMARKS/COMMENTS

FIELD EXAM SHOWED APPLICANT HAD 5.5 HP PUMP THAT WAS USED FOR FLOOD IRRIGATION OF 4 ACRES AND COULD BE USED FOR FIRE PROTECTION PURPOSES. MEASUREMENT OF DIVERSION RATE COVERED UNDER IDAPA RULES 37.03.02.035.01.f. LICENSE WILL BE ISSUED FOR A DIVERSION RATE OF 0.20 CFS WITH AN ANNUAL VOLUME OF 12.0 AF.

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>
IRRIGATION	04/01 to 10/31	0.12 CFS	12.0 AF
FIRE PROTECTION	01/01 to 12/31	0.20 CFS	
	<u>Totals:</u>	0.200 CFS	12.00 AF

2. Recommended Amendments

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

 Change P.U. as reflected above Add P.U. as reflected above X None

I. AUTHENTICATION

Field Examiner's Name Adam Funder Date 5-24-2016

Reviewer Morgan Case Date 5/25/2016

State of Idaho
Department of Water Resources
Water Right License
96-9389

04W

55N



● Point of Diversion

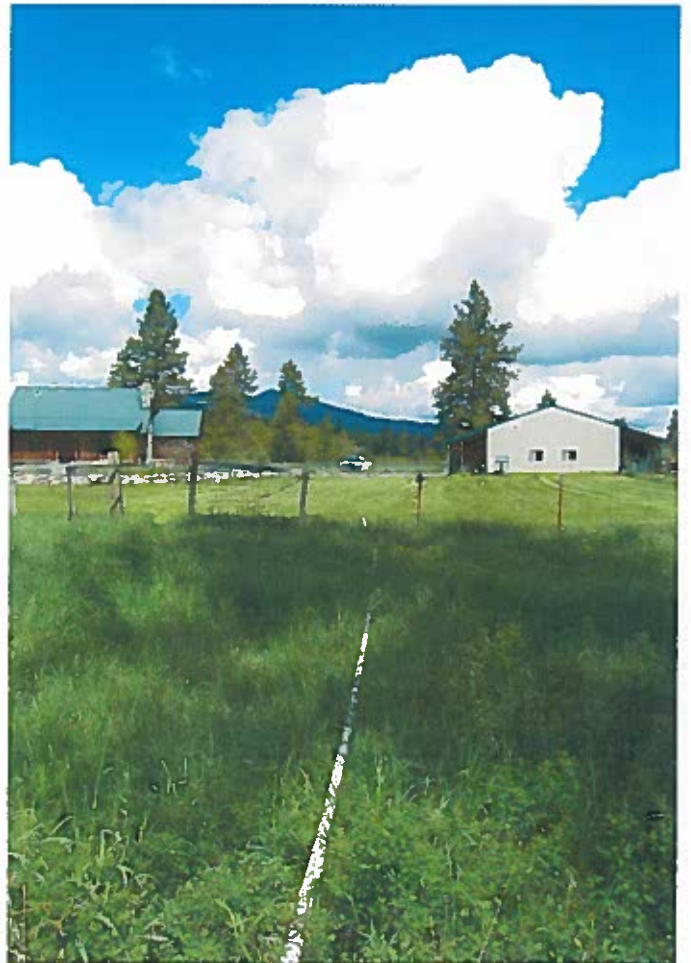
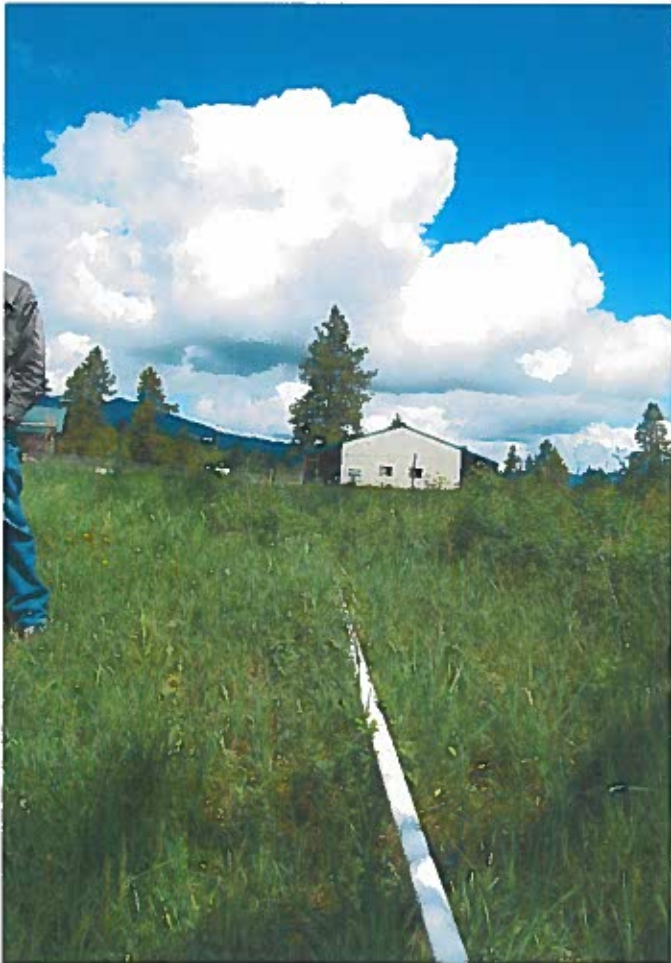
□ Place Of Use Boundary

□ Townships

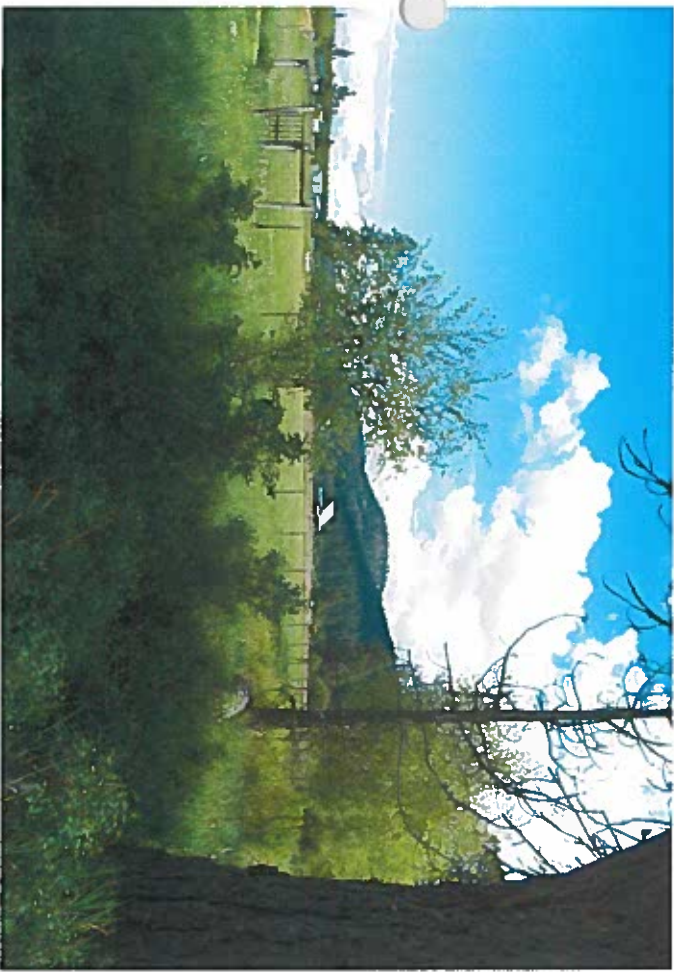
□ PLS Sections

0 0.035 0.07 0.14 Miles





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