

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-17611

Exam Date: 08/30/2019

1. Current Owner:

TIMOTHY VANLOHUIZEN 1250 W IRONWOOD DR STE 320 COEUR D ALENE ID 83814-2682 AND/OR
LEAANN VANLOHUIZEN 1250 W IRONWOOD DR STE 320 COEUR D ALENE ID 83814-2682

2. Accompanied by: Timothy VanLohuizen

Relationship to permit Holder: Permit holder

3. **SOURCE:**

WOLF LODGE CREEK

Tributary

COEUR D ALENE LAKE

Method of Determination: Arcmap and DRG

B. OVERLAP REVIEW1. Other water rights with the same place of use: YES Overlap

Water Right No.	Source	Purpose of Use	Basis
95-9165	Groundwater	Domestic	Statutory Claim

Comments: _____

2. Other water rights with the same point-of-diversion: NO Overlap

Water Right No.	Source	Purpose of Use	Basis

Comments: _____

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

WOLF LODGE CREEK SE¼ NE¼, Sec. 29, Twp 50N, Rge 02W, B.M. KOOTENAI County

Method of Determination: Maps and GPS. POD located at -116° 36.753, 47° 39.349

PLACE OF USE: IRRIGATION

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
50N	02W	29				0.5													0.5

Total Acres: 0.5

Method of Determination: Google Earth and Arcmap

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
		1/2	8A99		

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
5 gallon bucket						

2. Measurements: 5 gallon bucket test measured in 38.6 seconds

$$5 / 38.6 \times 60 \text{ Sec} = 7.7 \text{ gpm or } 0.02 \text{ cfs}$$

E. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

Measured Method: N/A

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 0.5 \text{ AC} \times 3.0 \text{ AF} = 1.5 \text{ AF}$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.02 \text{ CFS} \times 246 \times 1.9835 = 9.8 \text{ AF}$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = 1.5 \text{ AF}$$

2. Volume Calculations for Other Uses: N/A

G. NARRATIVE/REMARKS/COMMENTS

Field exam with applicant, Tim VanLohuizen, showed a 1/2hp pump in the creek being used for irrigation. The applicant had a screened intake in the creek that was being pumped with a 1/2hp electric pump. At licensing, it was determined that the point of diversion was located on the adjacent property, which the applicant now owns, on lots 16 & 17 blk 2. The point of diversion will show it being on dry land, but the creek has shifted so much the last couple of years, that the dot is now the water's edge. Condition X59 will not be added to the license because the pump is portable and the creek is changing to where it could be located on either of the two properties depending on the year.

The applicant had a hose and sprinkler that would be used around property on grass, garden, and plants. A 5 gallon bucket test was performed and filled in 38.6 seconds which is equal to 7.7 gpm or 0.02 cfs. The applicant was irrigating around the house which was equal to 0.5 acres. The applicant also has an adjudication recommendation, 95-9165 for domestic use from a well. Overlapping condition X35 was added to license to limit the irrigation between the two rights. Because this was a surface water source, an annual volume does not get added. The overlapping condition just simply limits 95-9165 and 95-17611 to the irrigation of 0.5 acres. At time of exam it did not appear the applicant was using water from the well for irrigation. The license will be issued with a diversion rate of 0.02 cfs.

All conditions will remain on license except one condition 227 which references the Spokane River. It will be removed as no other water rights from Wolf Lodge Creek have that condition, and Avista holds a more senior right than the MSF. Condition X35 will be added to address any overlap in irrigation from 95-9165 and this right. There are no other overlap concerns.

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

H. RECOMMENDATIONS**1. Recommended Amounts**

<u>Beneficial Use</u>	<u>Period of Use</u>	<u>Rate of Diversion</u>	
IRRIGATION	03/15 to 11/15	0.02 CFS	

Totals: 0.02 CFS

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. AUTHENTICATION

Adam Frederick - Water Resource Agent, Senior

Field Examiner's Name Adam Frederick Date 10/4/2019

Reviewer Douglas Jones PE Date 10/11/2019

State of Idaho
Department of Water Resources
Attachment to Field Exam
95-17611

IRRIGATION / SYSTEM DIAGRAM

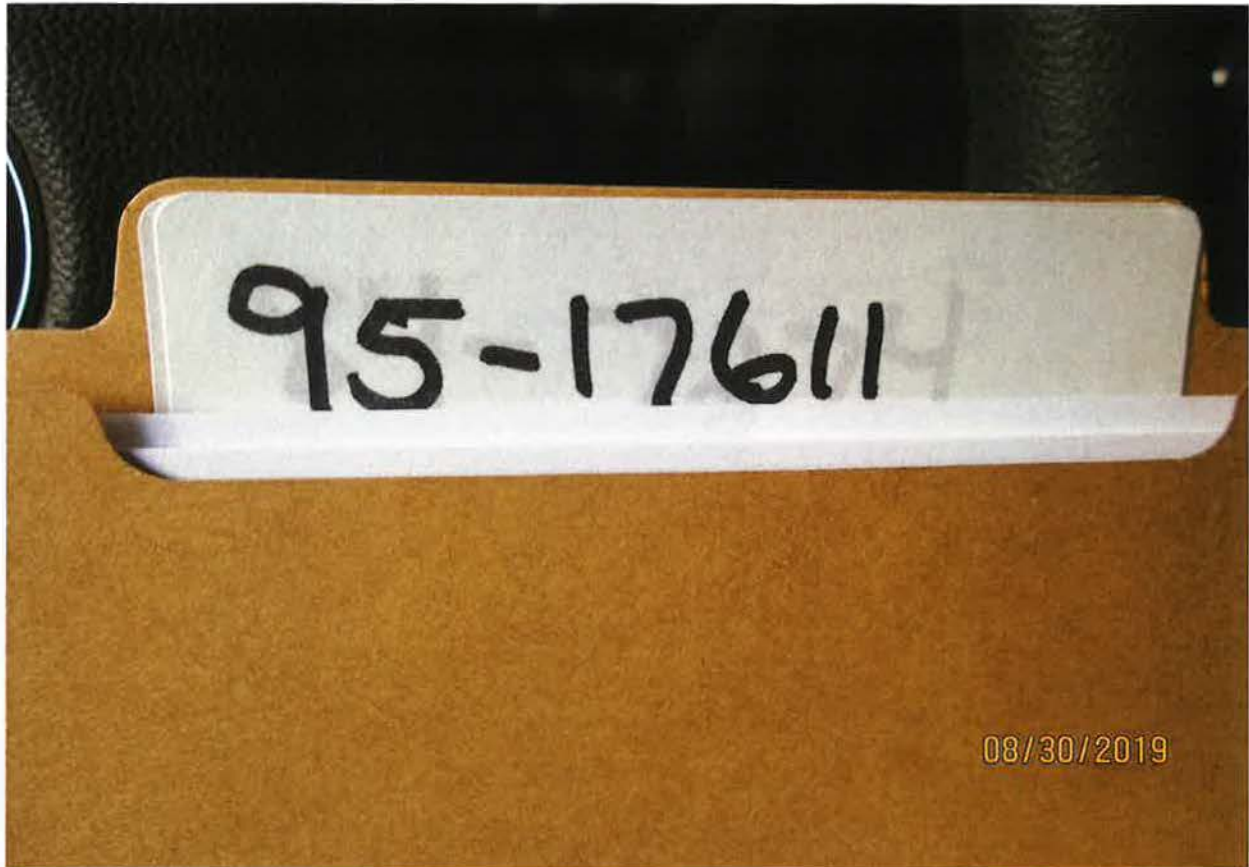
02W



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

0 0.035 0.07 0.14 Miles

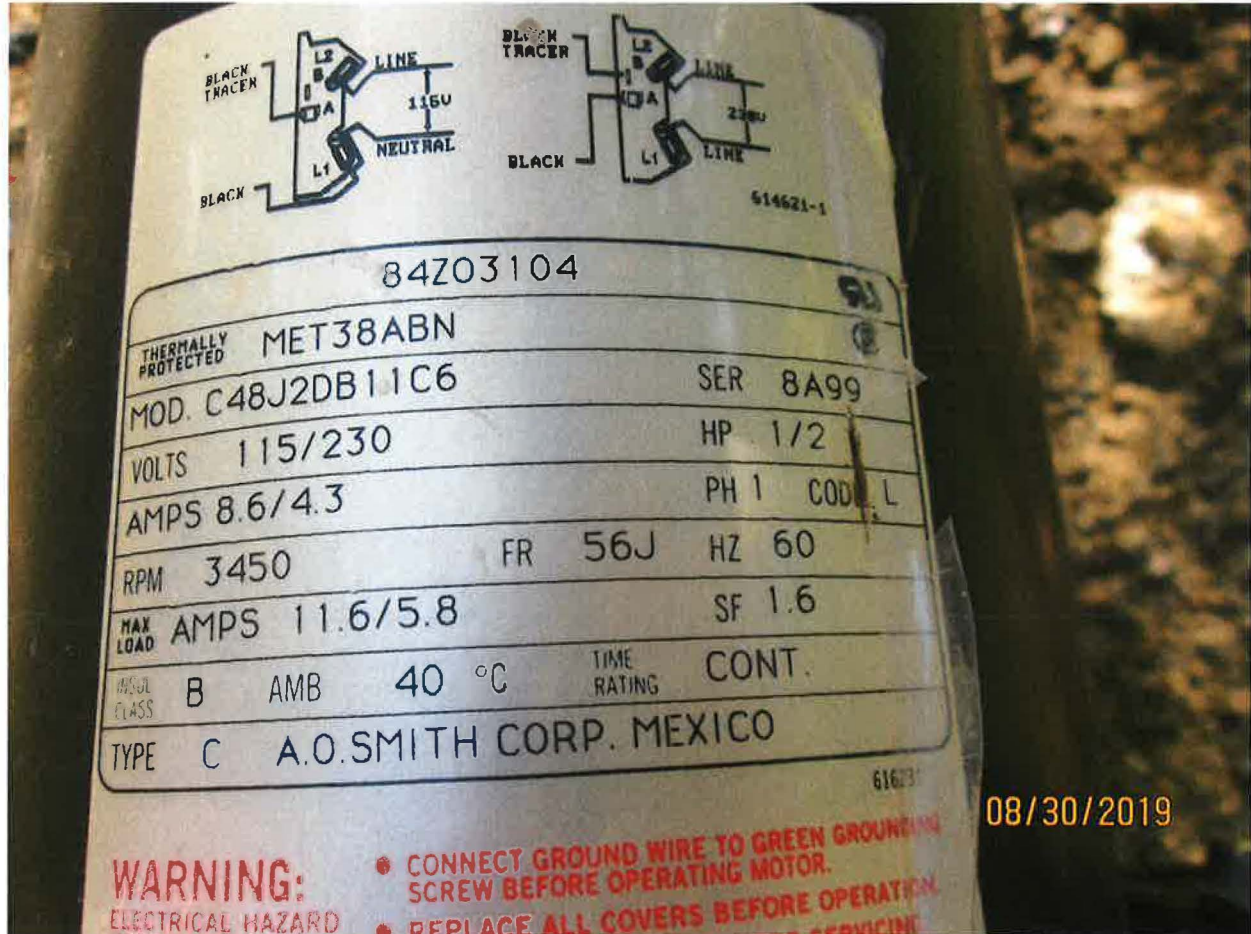




Point of diversion in creek with fish screen.



Electric 1/2hp pump.





Irrigation POU.





Irrigation POU.





Irrigation POU.

