

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-17726
Exam Date: 07/30/2020

1. Current Owner:
MICHAEL DARRAR 15508 W MEAD RD POST FALLS ID 83854 AND/OR
KATHRYN DARRAR 15508 W MEAD RD POST FALLS ID 83854
2. Accompanied by: Kathryn Darrar
Phone No: 208-819-3375
Address: Same as above
Relationship to permit Holder: Permit Holder

3. **SOURCE:**
SPRING

Tributary
SKALAN CREEK

Method of Determination: Arcmap and DRG

B. OVERLAP REVIEW

1. Other water rights with the same place of use: YES Overlap

Water Right No.	Source	Purpose of Use	Basis
95-11810	SPRING	STOCKWATER	LICENSE

Comments: licensed Right 95-11810 uses spring water from different POD for stockwater use, by same applicant, and is not a concern for overlap.

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:**

SPRING SW¼ SW¼ NE¼, Sec. 20, Twp 50N, Rge 05W, B.M. KOOTENAI County

Method of Determination: GPS. POD buried spring box is located at -116°59.373, 47°39.949

PLACE OF USE: DOMESTIC

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	05W	20								X									

Method of Determination: Field exam 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
SPRING BOX					

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
NONE						

2. Measurements: No measurement is required for an in-house exam.

E. FLOW CALCULATIONS

Flow measurement not required as per IDAPA RULE 37.03.02.035.01.r.iii.

F. DIVERSION RATES

The diversion rate for this domestic right is limited to **0.04 cfs** or 18.0 gpm.

G. VOLUME CALCULATIONS

The annual volume for this domestic right is limited to = **0.6 AF**.

H. NARRATIVE/REMARKS/COMMENTS

This permit qualifies for an in-office field exam, but a physical field exam was conducted on 7/1/2020 in order to accurately determine spring POD. GPS was used to determine the POD, in-home domestic used was verified at time of exam, and photographs were taken to show POD and shop style home.

Field exam conducted on 7/30/2020 with applicant, Kathryn Darrar, showed spring water being diverted for irrigation use. At POD, applicant had a buried spring box diverting water to a vaulted 300 gal storage cistern. Water gravity flowed downhill to the applicants POU, with an overflow 1 inch pvc pipe allowing overflow spring water from top of cistern to flow back to Skalan Creek. At time of field exam, applicants had depleted the water from the storage cistern, and no measurement was able to be obtained from system. The permit was authorized for 0.04 cfs. It was determined that the flow measurement not required as per IDAPA RULE 37.03.02.035.01.r.iii, and the license is recommended for **0.04 cfs** or 18.0 gpm.

Applicant's water system that serviced one home for domestic use at POU incorporated gravity flow only, and there was no pressure tank on the system. Applicant stated the couple had enough water to take two showers in the a.m., and then do either 1 load of laundry or wash 1 load of dishes before the storage tank was depleted for the a.m. period of each day. Applicants had a shop style home, and all water served from this Right's spring was dedicated to in-home use. As such, the annual volume applied to license equals **0.6 af**, which is the Department standard for a single residence domestic without the ½ acre irrigation applied. All irrigation occurring on applicant's property is from separate spring Right 95-17725.

All conditions on permit will remain on license. Licensed Right 95-11810 uses spring water from different POD for stockwater use, by same applicant, which overlaps this Right's POU, but is not a concern for overlap. There are no other overlap concerns for this Right.

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

I. RECOMMENDATIONS

1. Recommended Amounts

<u>Beneficial Use</u>	<u>Period of Use</u>	<u>Rate of Diversion</u>	<u>Annual Volume</u>
DOMESTIC	01/01 to 12/31	0.04 CFS	0.6 AF

Totals: 0.04 CFS 0.6 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

J. AUTHENTICATION Luke Bates - Water Resource Agent






Field Examiner's Name Joe Aba Date 8/14/2020
Reviewer Ash Fink Date 8/20/2020

State of Idaho
Department of Water Resources
Attachment to Field Exam
95-17726

DOMESTIC system diagram.

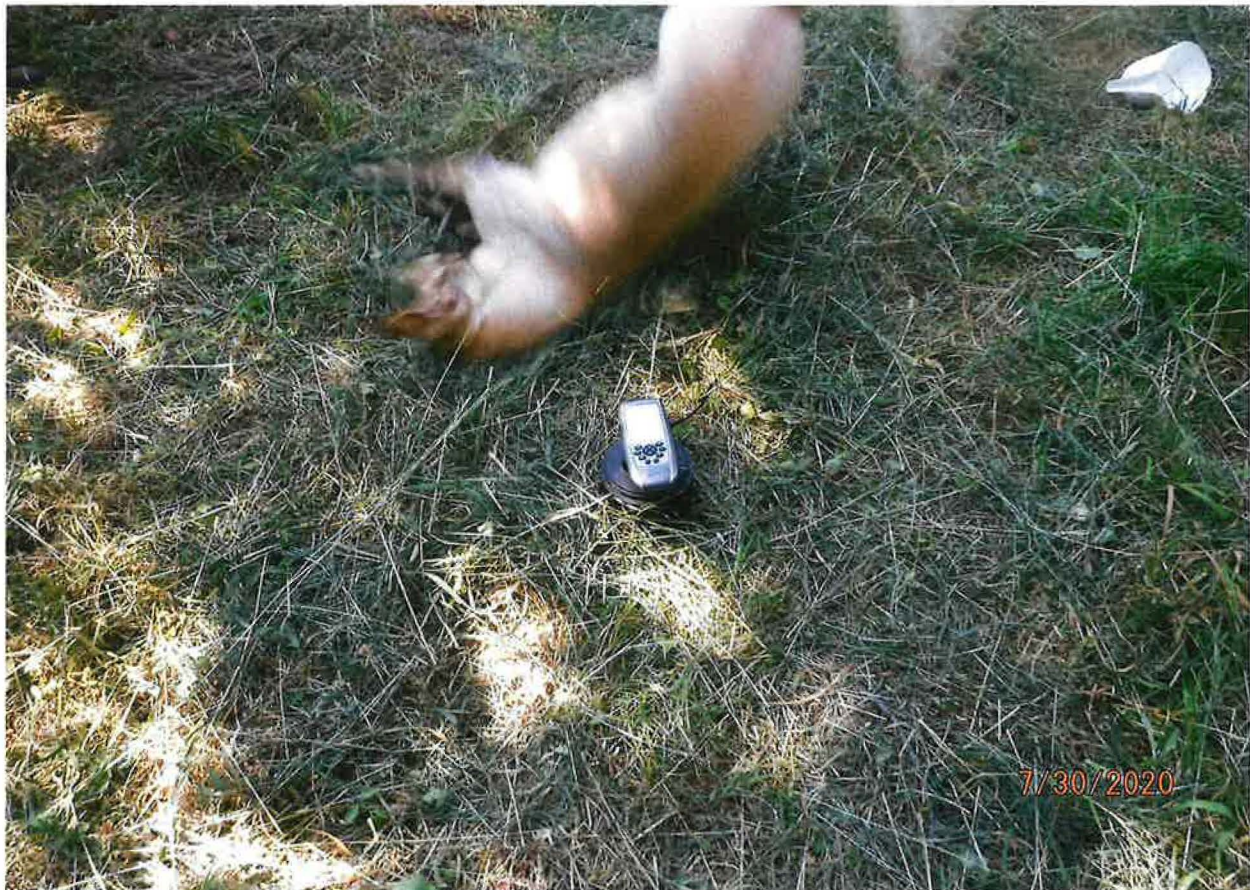
05W



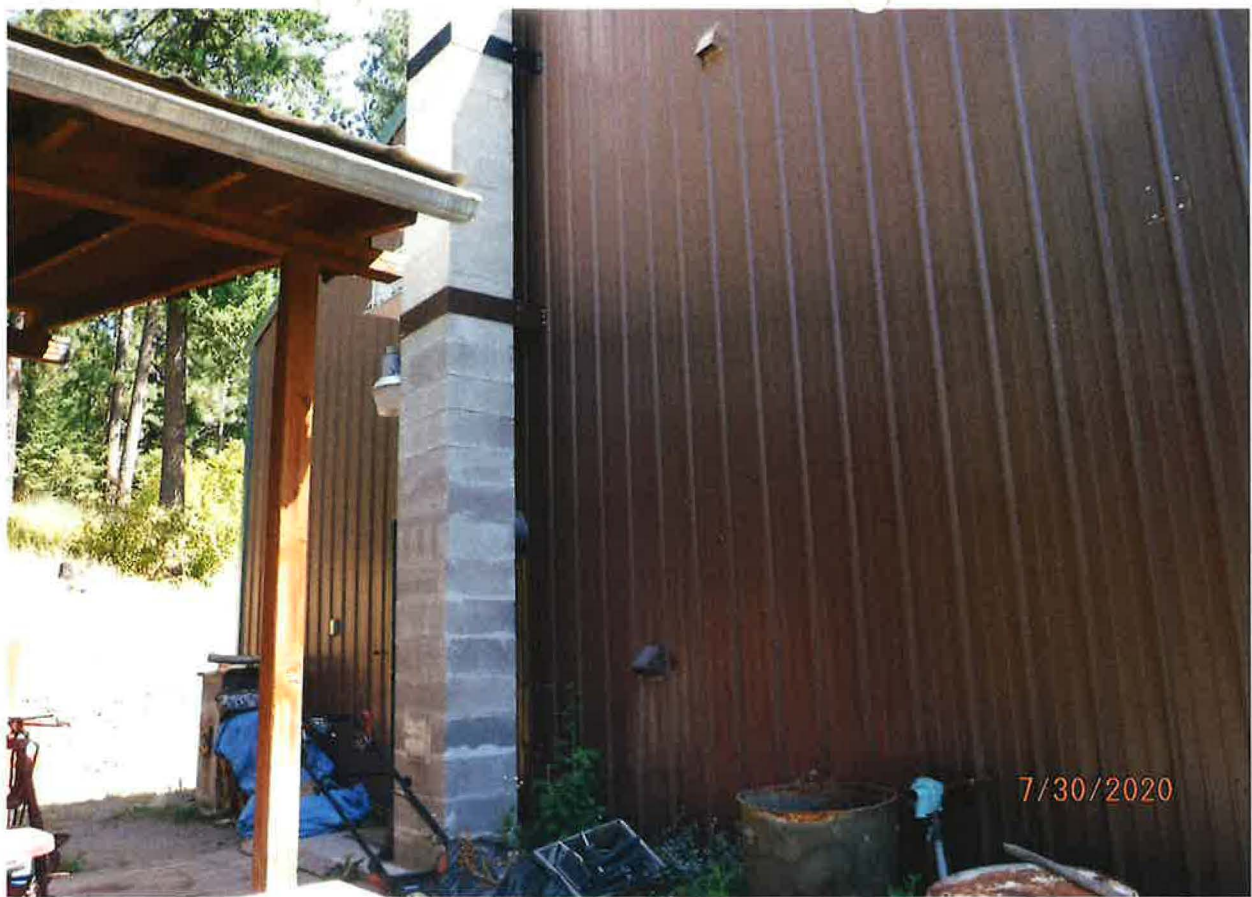
-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections
-  Quarter Quarters

0 0.035 0.07 0.14 Miles





POD – BURIED SPRING BOX AND VAULTED 300 GAL STORAGE CISTERN



DOMESTIC POU – SHOP STYLE HOME

