

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 13-7187

Exam Date: 9/21/2012

1. Current Owner: OWEN M CASPERSON
C/O DOTTIE W CASPERSON
1582 N 1400 W
PRESTON ID 83263
2. Accompanied by: Dottie Casperson and Craig Casperson (her son)
Phone No: (208) 852-0680
Address: 1582 North 1400 West
Relationship to Permit Holder: Dottie is the wife of Owen Casperson (deceased)

3. SOURCE TRIBUTARY
SPRINGS SINKS

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 13-2271 (In the name of Lorenzo Jones)
2. Other water rights with the same point of diversion: 13-2271

C. DIVERSION AND DELIVERY SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

SPRINGS SE1/4SW1/4 Sec. 9, Twp 15S, Rge 39E, B.M. FRANKLIN County

Method of Determination: GPS

2. 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	
15S	39E	9												X					
15S	39E	16					X	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	
15S	39E	9									10.5			17.5					28.0

Total Acres: 28

Method of Determination: Aerial photography and site visit.

3. ☒ Delivery System Diagram Attached (required).
☒ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required).
☒ Aerial Photo Attached (required for irrigation of 10+ acres).

D. FLOW MEASUREMENTS

1. Measurements: No measurement possible. Pressure tank in building ruptured just prior to field exam. A field exam conducted in 1972 for water right 13-2271 reported a measured flow rate from the spring of 0.36 cfs. The flow from the spring would likely be less today because of the piping of the canal directly above the spring area. Flow rate from 1972 exam will be used for this license.

E. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 28 \text{ acres} \times 3.5 \text{ af/acre} = 98 \text{ acre-feet}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.36 \text{ cfs} \times 215 \text{ days} \times 1.9835 = 153.5 \text{ af}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 98 \text{ acre-feet per year}$$

2. Volume Calculations for Other Uses:

$$\text{Domestic use for 12 units (culinary)} = 0.6 \text{ af / unit} = 7.2 \text{ acre-feet}$$

$$\text{Domestic irrigation use (1/2 acre per unit)} = 0.6 \text{ af / unit} = 7.2 \text{ acre-feet}$$

$$\text{Total domestic volume} = 14.4 \text{ acre-feet per year}$$

F. NARRATIVE / REMARKS / COMMENTS

Use of the springs has changed significantly since the original development. Original system included a long perforated collection pipe drawing water into a collection box where it was pumped to the various uses. The canal east of the property was put into pipe about 10 years ago. This caused the spring flow to decline. New infiltration system was installed about 7 years ago to capture the spring flows closer to the collection tank.

System currently provides culinary water to 4 units (one unit is a duplex). At its peak the system provided water to 12 units (7 trailers and 5 homes). Water is captured in the collection tank then pressurized by a pump in a concrete building for distribution to the homes. Aerial photo from 1992 shows the 12 units developed under the permit.

The irrigation component of the water right is difficult to establish. Spring water is only used for a small amount of irrigation at this time. However, when the springs were flowing well, they were used, in combination with canal water, to irrigate much of the property east of the trailer area. Water from the spring is now piped to an irrigation regulation pond, about 2 acre-feet in size. Water is pumped from the pond to the irrigated acres.

Because the spring flow has declined considerably in recent years, the measurement taken in 1972 may be the best evidence of the spring flow at the time of development. Although 1972 was a drought year, it appears that the spring water supply was largely dependent on flow of water in the canal rather than on precipitation. In addition, the perforated pipe collection system has been reduced since 1972. License will be issued with a maximum combined flow rate limit of 0.36 cfs.

Irrigation place of use is based on aerial photography available to the Department. Place of use is limited to property owned by Caspersons. Although neighboring property was included in the original permit (it was owned by Casperson at the time), that property is currently irrigated with canal water. Permit 13-7187 was not included in the sale of the neighboring parcels. The total number of acres that have been irrigated on the Casperson piece is 28 acres.

Irrigation place of use is partially overlapped by water right 13-2271, an irrigation right from the same spring source. Water right 13-2271 was licensed to Lorenzo Jones and is still in the name of Lorenzo Jones. It authorizes the diversion of 0.36 cfs from the spring for the irrigation of 30 acres. There are 15 acres of overlap between the rights. License 13-7187 will account for the overlap in irrigated acres. Water rights 13-2271 and 13-7187 when combined will be limited to the irrigation of 43 acres.

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

G. 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	0.280 CFS	14.40 AF
IRRIGATION	04/01 to 10/31	0.360 CFS	98.00 AF
	<u>Totals:</u>	0.360 CFS	112.40 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

H. AUTHENTICATION

Field Examiner's Name James Cefalo Date Feb 14, 2013

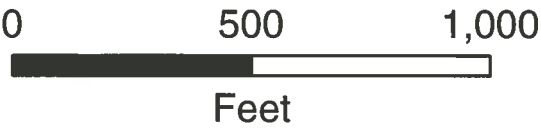
Reviewer _____ Date _____

13-7187 (Casperson)

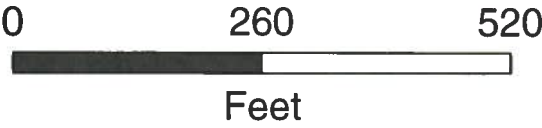


Legend

-  Water Right POD
-  Water Right POU
-  Township/Range
-  Sections
-  QQ



13-7187 (Casperson)



State of Idaho
Department of Water Administration

LICENSE OF WATER RIGHT

License of Water Right No. 33087/13-2271 Priority Aug. 12, 1966 Amount 0.36 cfs

THIS IS TO CERTIFY, that LORENZO JONES
of Preston, Idaho, has complied with the terms and conditions of Permit
No. 33087/13-2271 issued pursuant to Application for Permit dated August 12, 1966,
and has submitted proof to the Department of Water Administration on July 19, 1968,
that he has applied water to a beneficial use; an examination by the Department indicates that the
works have a capacity of 0.4 cfs, and that the water has in fact been applied to a
beneficial use; a right to the use of water from unnamed springs
tributary of _____, is hereby confirmed in the following amounts:

Amount 0.36 cfs for irrigation from April 1 to Nov. 1 (both dates inclusive)

Amount _____ for _____ from _____ to _____ (both dates inclusive)

Amount _____ for _____ from _____ to _____ (both dates inclusive)

Subject, however, to the condition that no more than 0.36 cfs of water be diverted at
any one time, said waters to be diverted within the _____

SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 9, Twp. 15 S, Rge. 39 E, B. M.

in the county of Franklin; and that the amount of water so diverted and to which such
right is entitled and confirmed is for the purposes aforesaid and is limited to the amount which can
actually be beneficially used and shall not exceed 105 acre feet per year or
3.5 acre feet per acre.

Description and location of place of use:

TWP.	RANGE	SEC.	NE $\frac{1}{4}$				NW $\frac{1}{4}$				SW $\frac{1}{4}$				SE $\frac{1}{4}$				TOTALS
			NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	
15 S	39 E	9											30						30

Total number of acres irrigated 30

The right to the use of the water hereby confirmed is restricted and appurtenant to the lands
or place of use herein described, as provided by the laws of Idaho.

Witness the seal and signature of the Director, affixed at Boise, Idaho, this 24 day of

May, 19 72.


Director

13 2271

STATE OF IDAHO
DEPARTMENT OF RECLAMATION

River at Lorenzo Jones

[illegible]

_____ of _____ Sheets. Comp. by 2271 Chk. by 2271

May 15, 1972

Mr. Lorenzo Jones
Route # 3
Preston, Idaho 83263

Dear Mr. Jones:

A representative of this Department has made an examination of the works covered by your Permit No. 33087/13-2271 and has found the following:

Quantity of water diverted: 0.4 cfs

Amount of water that can be recognized as beneficially used under Idaho law: 0.36 cfs

The maximum quantity of water diverted shall not exceed 105 acre feet per year.

Beneficial use: Irrigation of 30 acres within the SE $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 9, Twp. 15 S, Rge. 39 E, B.M.

Point of diversion: SE $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 9, Twp. 15 S, Rge. 39 E, B.M.

Source: unnamed springs

The priority date established is: August 12, 1966

A fee totaling \$2.00 must be received within 30 days from the date of this letter in order that we can issue you a Water License as set forth above.

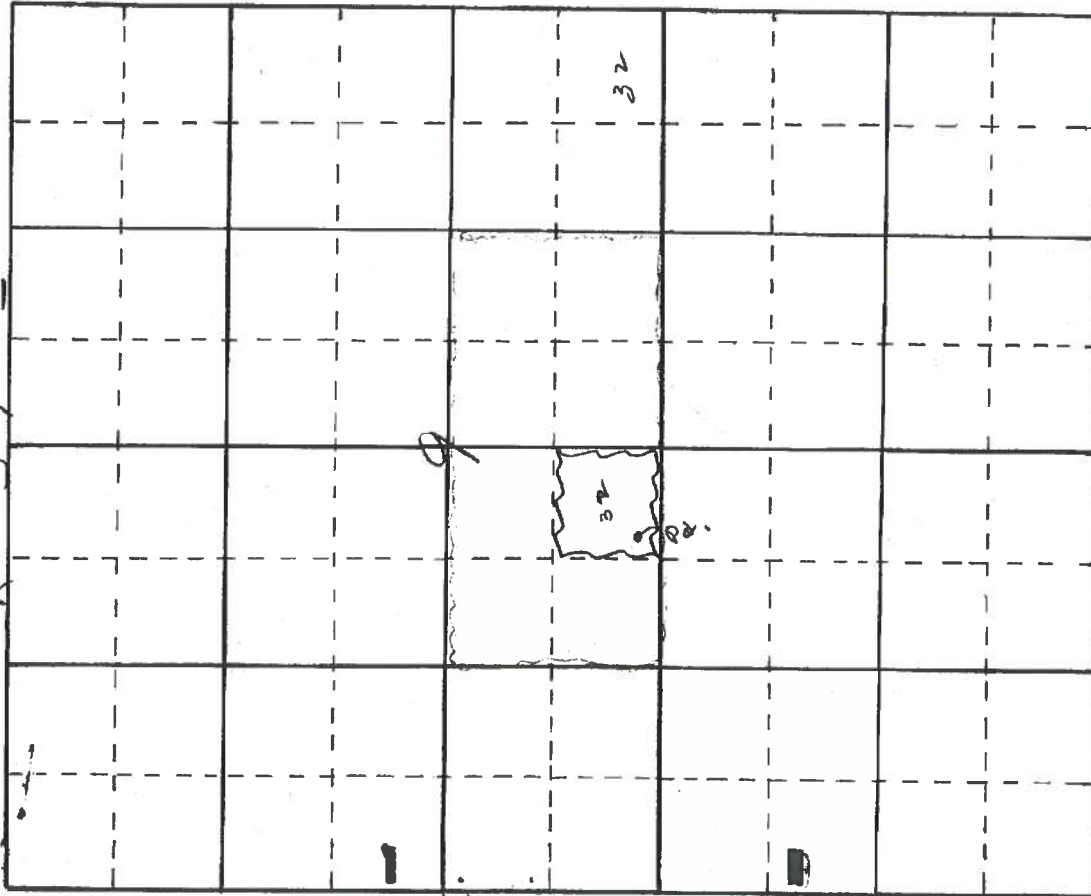
Sincerely,

BOBBY D. FLEENOR
Assistant Director

BDF:DR

13 2271

R 39 • E



13-2271

13

Permit No. 33087 Beneficial Use Only

Name of Applicant Lorenzo Jones, Route 3, Preston, Idaho 83263

Source of Water Unnamed springs and underground tile drain developed
 a tributary of -- by applicant.

Location of P.D. SE 1/4 Sec. 9, T. 15 S., R. 39 E., B.M., Franklin Co.
CW station P.D. on line S 1/2 - 9 - 15 39 E

Water is used for Irrigation

Quantity of water claimed: Permit 0.4 c.f.s. Depositions 0.4 c.f.s.

Type of measuring device installed or method of measurement and general description
 of diversion works underground tile drain, holding reservoir,
underground line

Land to be irrigated or place of use:		Description
TWP.	RGE. SEC.	
15 S	39 E 9	SE 1/4

Filed - August 12, 1966
 Due - August 15, 1968
 Made - July 19, 1968
 Priority - August 12, 1966

Total acreage 30

Other rights and acreage covered: (Indicate amounts, source, licensed or decreed, and acreage covered by subdivision; also show land covered on the map.)
Preston-Whitney Irrigation water rights - 75 shares of which
these shares of water are used on joining lands and I do not have
enough water from these shares to irrigate all of my property
adequately.

Source of supply Buried drain or unexcavated Springs

a tributary of _____

Location of P.D.(s) _____

Water is used for Irrigation & domestic use

Quantity of water found 358 CFS

Q measured - 358 CFS Measurement made? By meter in drain

Q recommended 358 CFS Measurements

Volume 24502.358 ≈ 150.36 acres

Acreage - 32 3023.52 115 acres

Found recommended 30

Subdiv. 1

Amendments

☒ None

☐ P.D.

☐ Place of use

☐

☐

☐

☐

☐

☐

☐

☐

☐

☐

☐

☐

☐

☐

☐

☐

☐

☐

☐

☐

☐

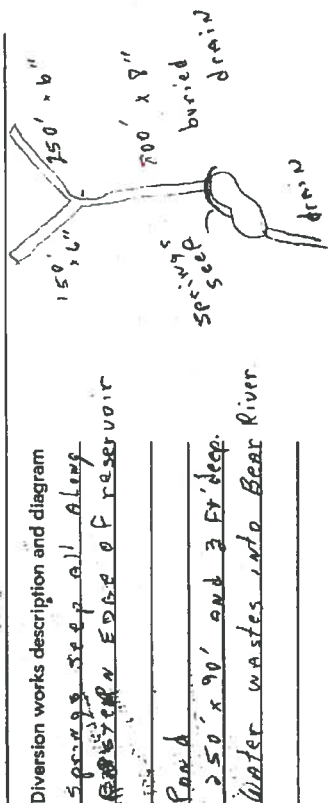
☐

☐

☐

☐

☐



Indicate area irrigated in each subdivision on the map.

Total acreage irrigated _____

13 2271

If water is used for purposes other than irrigation, fully describe how the water is used and what is done with it after the use.

Who represented the permit holder at the examination?

Corrado Jones

Recommended allowance for licensing _____

Description of required amendments. Comments. The drain was the only possible way to check the water flow. The pressure fell and had to be for several times as there was negligible water loss.

Report checked? _____

Examination date 8 July 70

Signature William Salvo
