

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 86-12033

Exam Date: 6/12/2018

1. Current Owner:
RONALD R RANLY 532 BEAR PAW LN LENORE ID 83541 (208) 476-9007
2. Accompanied by: Mr. Ranly
3. **SOURCE:**
UNNAMED STREAM
- TRIBUTARY:**
CLEARWATER RIVER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 86-7238 (domestic)
2. Other water rights with the same point-of-diversion: None

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

UNNAMED STREAM SE¼SE¼ Sec. 35, Twp 37N, Rge 01W, B.M. CLEARWATER County

Method of Determination: Maps and GPS. POD located at -116° 24.722, 46° 30.148.

2.

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	
36N	01W	2	2.9 L 1																2.9
37N	01W	35																1.7	1.7

Total Acres: 4.6

Method of Determination: Google Earth, Bing Maps, 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
N/A					

*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
5 GALLON BUCKET						

2. Measurements: 5 gallon bucket test performed in 18 sec, 18 sec, and 17.9 sec for an average of 18 sec.

5 gal / 18 sec x 60 sec = 16.6 gpm or 0.04 cfs

E. FLOW CALCULATIONS

Measured Method: N/A

_____ Additional Computation Sheets Attached

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 4.6 \text{ AC} \times 3.5 \text{ AF} = 16.1 \text{ AF}$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.04 \text{ CFS} \times 246 \times 1.9835 = 19.5 \text{ AF}$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = 16.1 \text{ AF}$$

2. Volume Calculations for Other Uses: N/A

G. NARRATIVE/REMARKS/COMMENTS

Field exam with applicant, Ronald Ranly, showed a point of diversion on an unnamed stream. The point of diversion was very well made with a screened intake going to a 5 gallon bucket. From the 5 gallon bucket, a 2 inch poly pipe diverted water to be used for irrigation. Water diverted into 5 gallon bucket that wasn't being used, returned to the unnamed stream. The applicant had buried the poly pipe down the hill to around his home where he had numerous hydrants to use the water. From the hydrants, black poly pipe carried water to sprinklers that would be moved around property. Sprinklers were mainly all tripod types with various sizes. A 5 gallon bucket test was performed on the lowest hydrant on the system and filled in an average of 18 seconds which is 16.6 gpm or 0.04 cfs.

Mr. Ranly would irrigate as much as he could depending on the flow in the unnamed stream. He would irrigate grass that he would cut for hay and as the summer went on, the area of irrigation would start getting smaller and smaller. He also had a large fenced garden area and orchard that he would irrigate all season long. The extent of irrigation was traced out during license review and equaled 4.6 acres. The license will be issued for a diversion rate of 0.04 cfs with no annual volume. Condition R67 will limit the right to no more than 3.5 afa.

All conditions will remain on license except condition 26A. Condition 227 will be altered to include a gauging station reference for the applicant to monitor the MSF 86-7318. Overlap review showed two water rights in the same general area, 86-7164 and 86-7238. Right 86-7238 was for domestic use for Mr. Ranly's property. This right is old and was just identified in a 40 acre tract. I went into the license and changed the shape to be a square around his house. Right 86-7164 is in the name of John Gilliam who owns property to the west. Mr. Ranly explained that he thought the right was for that property and might have been misidentified when it was licensed. I advised him that Mr. Gilliam could file a simple transfer to correct the license. To date, nothing has been received. 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>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
IRRIGATION	03/15 to 11/15	0.04 CFS	
<u>Totals:</u>		0.040 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

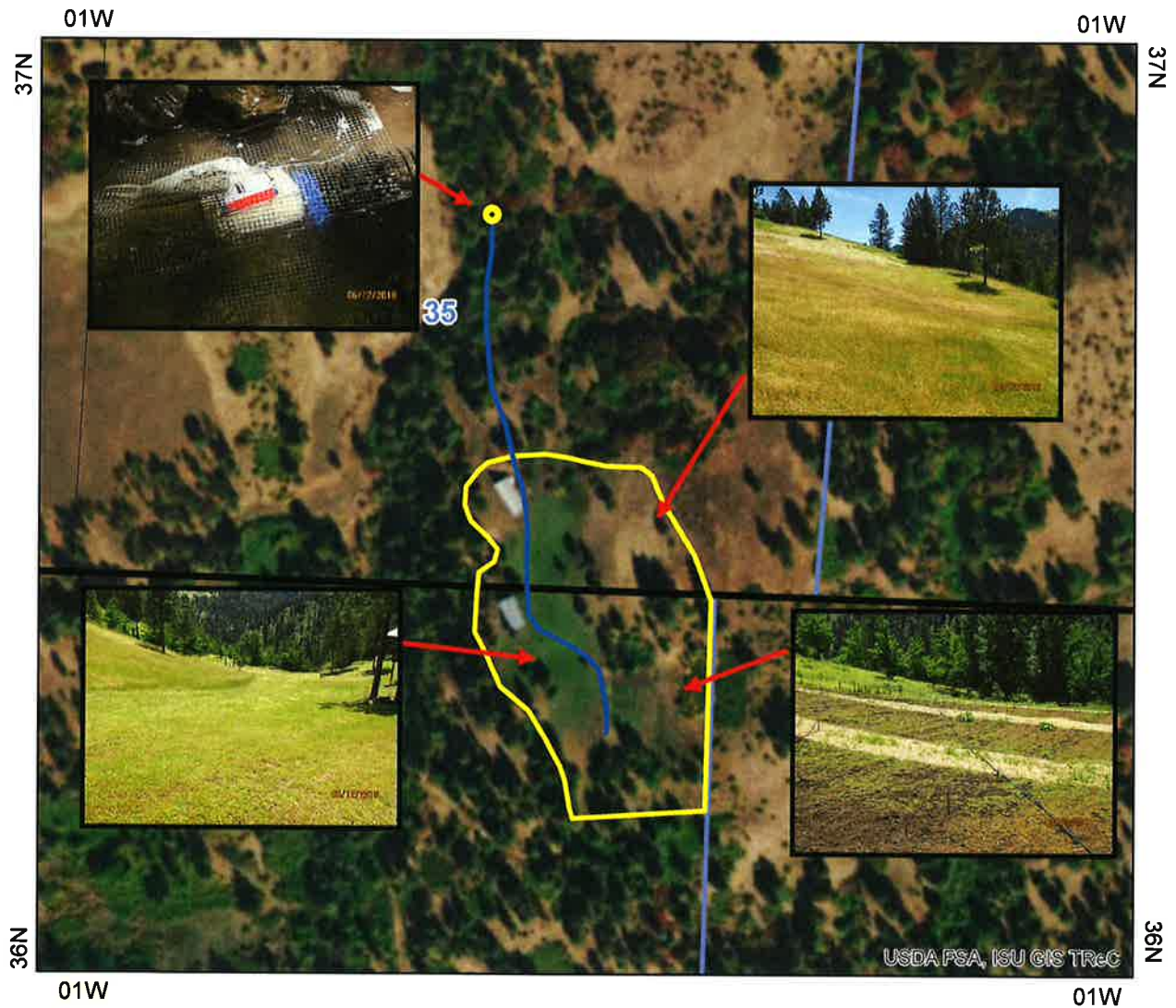
I. AUTHENTICATION

Field Examiner's Name Alan Funch Date 1/15/2019

Reviewer Douglas Jones P.E. Date 1/29/2019

State of Idaho
Department of Water Resources
Attachment to Field Exam
86-12033

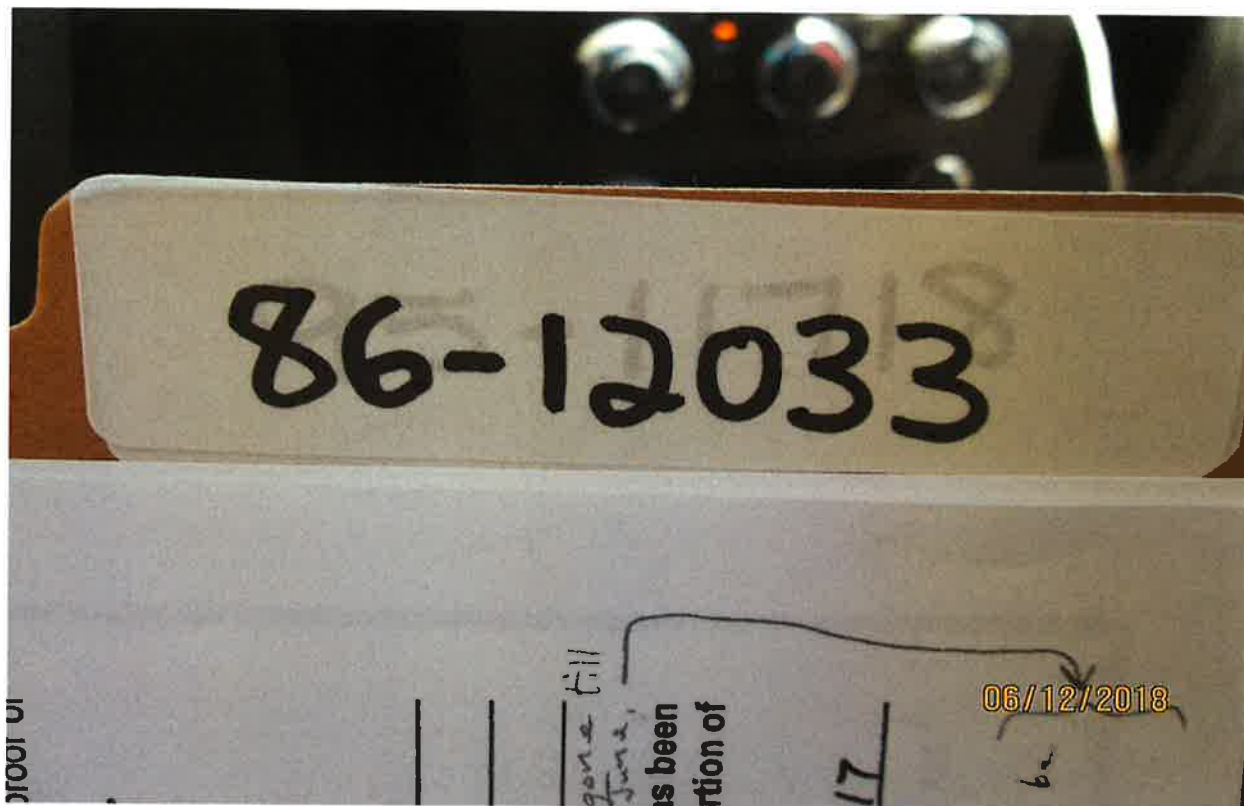
IRRIGATION / SYSTEM DIAGRAM



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

0 0.0375 0.075 0.15 Miles





Point of diversion.



Point of diversion.



From point of diversion it went to 5 gallon bucket with line for irrigation.



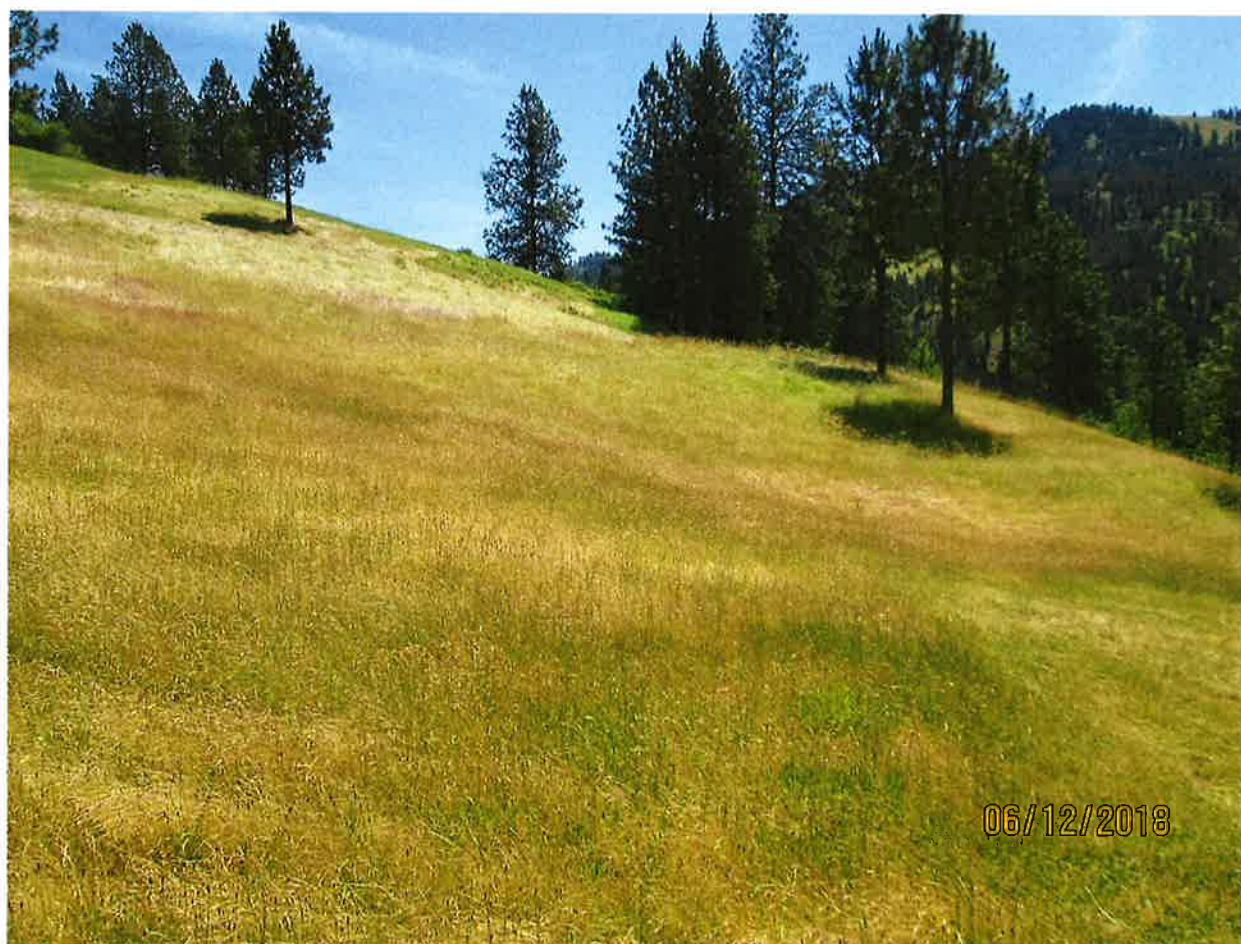
5 gallon bucket with line for irrigation.



Smaller white plastic hydrant for this right.



Irrigation POU.





Irrigation POU.





White hydrant for this right.





Irrigation POU.





White hydrant for this right.



Irrigation POU.



Irrigation POU.

