

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 15-7348

Exam Date: 7/7/2020

1. Current Owner:
SHAWN BARBER
435 EAST 3320 NORTH
MALAD CITY ID 83252

2. Accompanied by: Shawn Barber

3. **SOURCE:**
GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: NO Overlap

Water Right No.	Source	Purpose of Use
15-2081 et al	Various	Irrigation

Comments: Within service boundary for Malad Valley Irrigation, but not combined with any canal company shares.

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

Water Right No.	Source	Purpose of Use

Comments: GPS and ArcMap aerial photography

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

GROUND WATER NW¼ SE¼, Sec. 3, Twp 14S, Rge 36E, B.M. ONEIDA County

Method of Determination: GPS and ArcMap aerial photography

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	
14S	36E	3			8.0											6.0			14.0

Total Acres: 14.0

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

D. FLOW MEASUREMENTS

Measured a maximum 10-second average of 0.6 cfs over a ten minute interval measured with a GE TransPort PT878. Pumping from a well with the metal tag no. D0062880.

E. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

Measured Method: 0.6 cfs with a TransPort PT878 flow meter. Right will be limited to 0.28 cfs based on permit.

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 3.5 \text{ AF/acre} \times 14 \text{ acres} = 49 \text{ AF}$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.28 \text{ cfs} \times 214 \text{ days/season} \times 1.9835 \text{ AF/cfs} = 118.9 \text{ AF}$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = 49 \text{ AF}$$

2. Volume Calculations for Other Uses: N/A

G. NARRATIVE/REMARKS/COMMENTS

One pump to wheel lines.

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>	<u>Annual Volume</u>
IRRIGATION	04/01 to 10/31	0.28 CFS	49.0 AF

Totals: 0.28 CFS 49.0 AF

2. Recommended Amendments

_____ Change P.D. as reflected above _____ Add P.D. as reflected above ☒ None

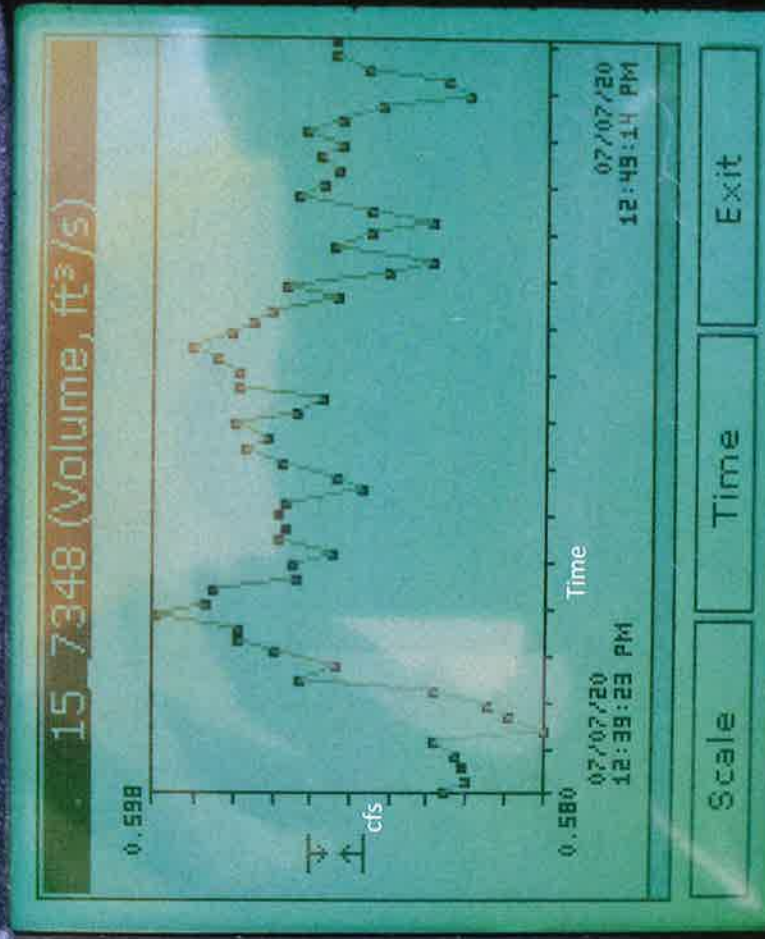
_____ Change P.U. as reflected above _____ Add P.U. as reflected above ☒ None

I. AUTHENTICATION Cooper Fritz - Water Resource Agent, Senior

Field Examiner's Name Cooper Fritz Date 2/198/21

Reviewer _____ Date _____

Measurement Data TransPort® PT878



Place of Use





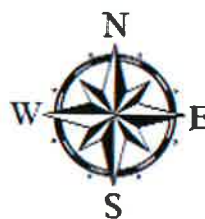
Point of Diversion

15-7348 Place of Use and Point of Diversion at Licensing



Legend

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



 Miles