

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 15-7402

Exam Date: 11/4/2015

1. Current Owner: DAVID D FLYNN
1550 W 1000 N
MALAD CITY ID 83252
(208)766-5335

And

JUDY ANN FLYNN
1550 W 1000 N
MALAD CITY ID 83252
(208)766-5335

2. Accompanied by: OFFICE EXAM

Phone No:

Address:

Relationship to Permit Holder:

3. **SOURCE**

TRIBUTARY

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: None
2. Other water rights with the same point of diversion: 15-7150

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

GROUND WATER

NW1/4NE1/4

Sec. 20, Twp 14S, Rge 36E, B.M.

ONEIDA County

Method of Determination: Aerial Photography

2.

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
14S	36E	20	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	2.0
			2.0																

Total Acres: 2

Method of Determination:

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.

<u>Well or Diversion</u> <u>ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge</u> <u>Size</u>
A0010867	Submersible	50			

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.

<u>Measurement</u> <u>Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
N/A						

2. Measurements: Measurement is based off the field exam conducted for water right 15-7150 on 6/18/2014. During this field exam the maximum instantaneous flow rate was 547.5 gpm or 1.22 cfs. Pressure was at 50 PSI.

E. FLOW CALCULATIONS☐ Additional Computation Sheets Attached

Measured Method: Previous exam

Previous exam conducted at POD produced a Maximum instantaneous flow at capacity of 1.22 cfs.

Water right 15-7150 = 0.96 cfs

Measured flow 1.22 cfs.

1.22 cfs – 0.96 cfs = 0.26 cfs (available cfs)

Flow rate limited by acres. (2 acres * .02 cfs) = .04 cfs

F. VOLUME CALCULATIONS**1. Volume Calculations for Irrigation:**

$$V_{I.R.} = 2 \text{ (Acres Irrigated)} \times 3.5 \text{ (Irrigation Requirement)} = 7.0 \text{ AF}$$

$$V_{D.R.} = .04 \text{ [Diversion Rate (cfs)]} \times 214 \text{ (Days in Irrigation season)} \times 1.9835 = 17.0 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 7.0 \text{ AF}$$

2. Volume Calculations for Other Uses: None**G. NARRATIVE/REMARKS/COMMENTS**

In-office exam conducted for this permit. This permit was created to recoup 2 additional acres of land that had not yet been developed when proof of beneficial use was due for WR 15-7150. The POD is shared with WR 15-7150. Flow calculations for this exam used the 2014 field exam conducted at the same POD. Photos were submitted by the applicant providing evidence that all 2 acres for this permit were developed and put to beneficial use.

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	04/01 to 10/31	0.040 CFS	7.00 AF
<u>Totals:</u>		0.040 CFS	7.00 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

I. AUTHENTICATION

Field Examiner's Name Scott Bergendorf Date 11/4/2015

Reviewer _____ Date _____

In office Field Exam License 15-7402



0 250 500 1,000 Feet

-  POU
-  Township/Range
-  Sections
-  QQ

