

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 15-7236

Exam Date: 8/17/2012

1. Current Owner: MICHAEL ARD
1462 S 4600 W
PO BOX 148
MALAD CITY ID 83252
208-766-2851

And

SHEILA ARD
1462 S 4600 W
PO BOX 148
MALAD CITY ID 83252
208-766-2851

2. Accompanied by: Michael Ard

Phone No:

Address:

Relationship to Permit Holder: Owner

3. **SOURCE**

TRIBUTARY

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: Non
2. Other water rights with the same point of diversion: Non

C. DIVERSION AND DELIVERY SYSTEM

1. **LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER

SE1/4NW1/4

Sec. 35, Twp 14S, Rge 35E, B.M.

ONEIDA County

Method of Determination: GPS/ Aerial photography

2.

PLACE OF USE: IRRIGATION

Tw 14S	Rge 35E	Sec 35	NE				NW				SW				SE				Totals
			<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	
										10.0									10.0

Total Acres: 10

Method of Determination: Aerial photagrahy

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>
D0024225		5.0			

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>
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2. Measurements: Measurement based on sprinkler count. Flow meter measurement was not suitable.

E. FLOW CALCULATIONS☐ Additional Computation Sheets Attached

Measured Method:

14 rainbirds with 5/32 nozzles at approximately 55 psi

Discharge for 5/32 nozzles running at 55 psi = 5.65 gpm

14 rainbirds X 5.65 gpm = 79.1 gpm

79.1 gpm/448.83 gpm/cfs= 0.18 cfs

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = 10.0 \text{ (Acres Irrigated)} \times 3.5 \text{ (Irrigation Requirement)} = 35.0 \text{ acre-feet}$$

$$V_{D.R.} = 0.18 \text{ [Diversion Rate (cfs)]} \times 214 \text{ (Days in Irrigation season)} \times 1.9835 = 76.4 \text{ acre-feet}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 35.0 \text{ acre-feet}$$

2. Volume Calculations for Other Uses:

G. NARRATIVE/REMARKS/COMMENTS

System consists of a 5 hp submersed pump with a flexible hose, which connects to a 2 inch pvc k-line. K-line includes 14 rainbirds with 5/32 nozzles. The domestic use under this permit was never developed. Water user uses a four-wheeler to move sprinklers. One end of the k-line is attached to the four-wheeler and dragged to different locations on 10.0 acres. There appears to be a shift in aerial photography. Place of use is located in the SENW of 14S, 35E, Section 35.

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	0.180 CFS	35.00 AF
<u>Totals:</u>		0.180 CFS	35.00 AF

2. Recommended Amendments

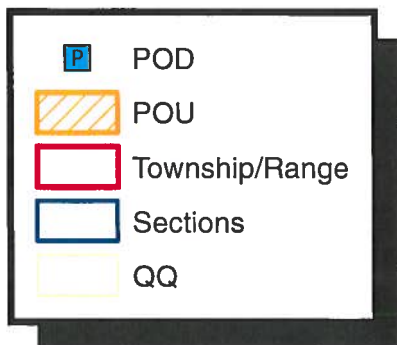
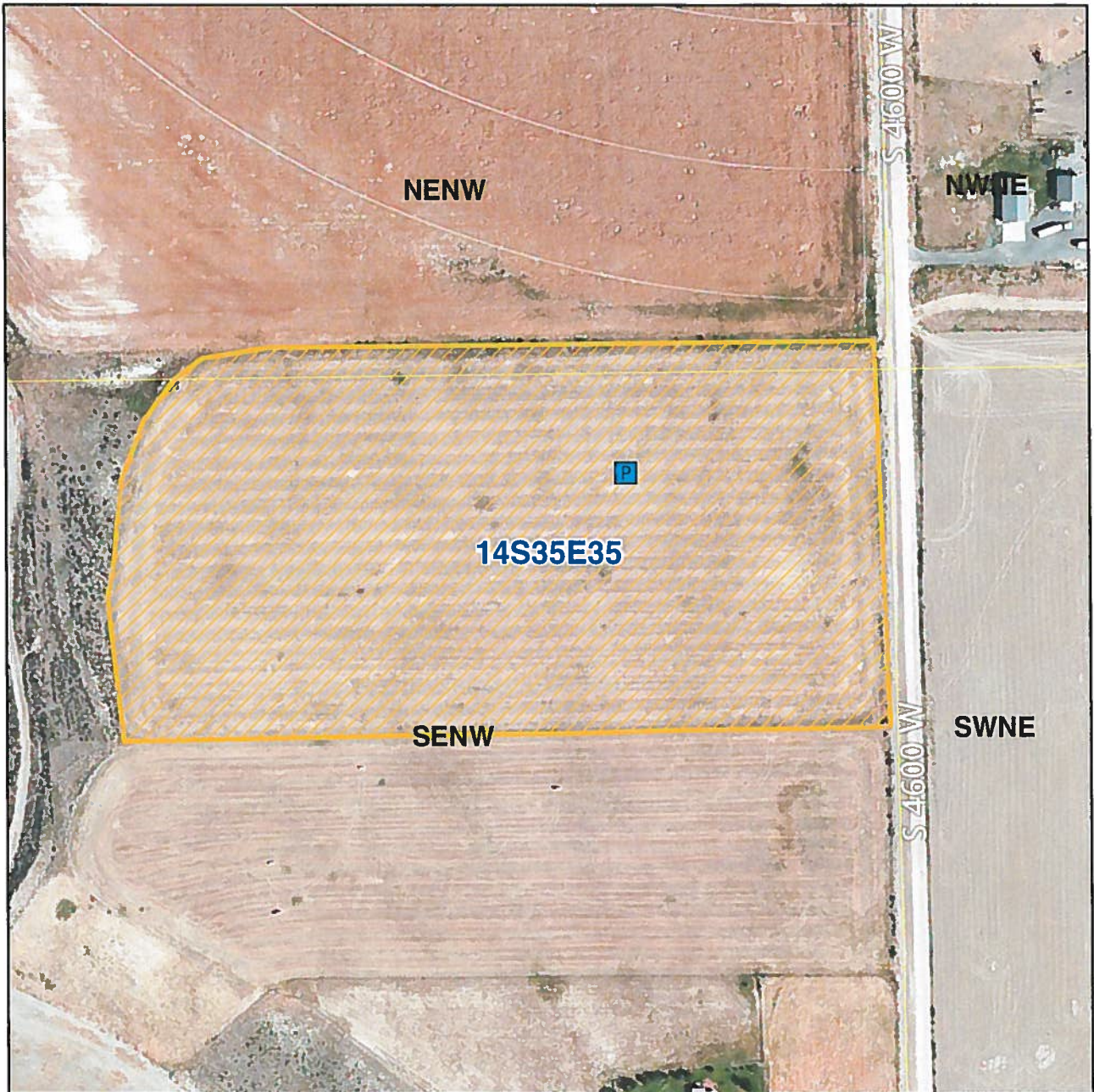
☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name Blake Ford Date 8/17/2012
 Reviewer James Cefato Date 9/10/2012

Beneficial Use Exam 15-7236



0 0.02 0.04 0.08 Miles
1 inch = 0.04 miles



