

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 15-7199

Exam Date: 2/5/2015

1. Current Owner: CALLIE SMITH
924 N 300 E
MALAD CITY ID 83252

And

BEAU SMITH
924 N 300 E
MALAD CITY ID 83252

2. Accompanied by: In Office exam – Beau Smith on phone
Phone No: 801-388-6768
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: None

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

GROUND WATER NE1/4NW1/4 Sec. 22, Twp 14S, Rge 36E, B.M.
ONEIDA County

Method of Determination: Aerial Photography, Permit Owner.

2.

PLACE OF USE: DOMESTIC

Twp	Rge	Sec	NE				NW				SW				SE				
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Totals
14S	36E	22					X												

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Totals
14S	36E	22					5.0												5.0

Total Acres: 5

Method of Determination: Aerial Photography, Permit Owner.

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>
D0021726	Submersible	Ukwn			

*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>
NONE						

2. Measurements: IN office exam. No measurements taken.

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

Measured Method:

5 acres irrigated and 1 home

.02 cfs x 5 acres = .1 cfs

1 home = .04 cfs

Total diversion rate = .14 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = 5 \text{ (Acres Irrigated)} \times 3.5 \text{ (Irrigation Requirement)} = 17.5 \text{ AF}$$

$$V_{D.R.} = 0.1 \text{ [Diversion Rate (cfs)]} \times 214 \text{ (Days in Irrigation season)} \times 1.9835 = 42.4 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 17.5 \text{ AF}$$

2. Volume Calculations for Other Uses:

$$1 \text{ home} = 13,000 \text{ gallons per day.} \rightarrow .6 \text{ AF}$$

G. NARRATIVE/REMARKS/COMMENTS**IN OFFICE EXAM—**

System runs off a submersible combined with domestic and irrigation use from the same well. Irrigation is accomplished with portable sprinklers. After speaking with the owner of the permit and reviewing aerial photography, it was determined that the whole 5 acres of the permit has been developed. The taxlot shapefile layer is offset from the aerial photography. The entire POU is located within property owned by Beau and Callie Smith in parcel RP0318603.

Amendment will be sent to owner to correct the POU and the POD which was incorrectly described in the Permit.

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>
DOMESTIC	01/01 to 12/31	0.040 CFS	0.6 AF
IRRIGATION	04/01 to 10/31	0.100 CFS	17.5 AF
<u>Totals:</u>		0.140 CFS	18.1 AF

2. Recommended Amendments

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

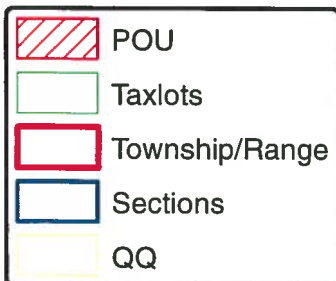
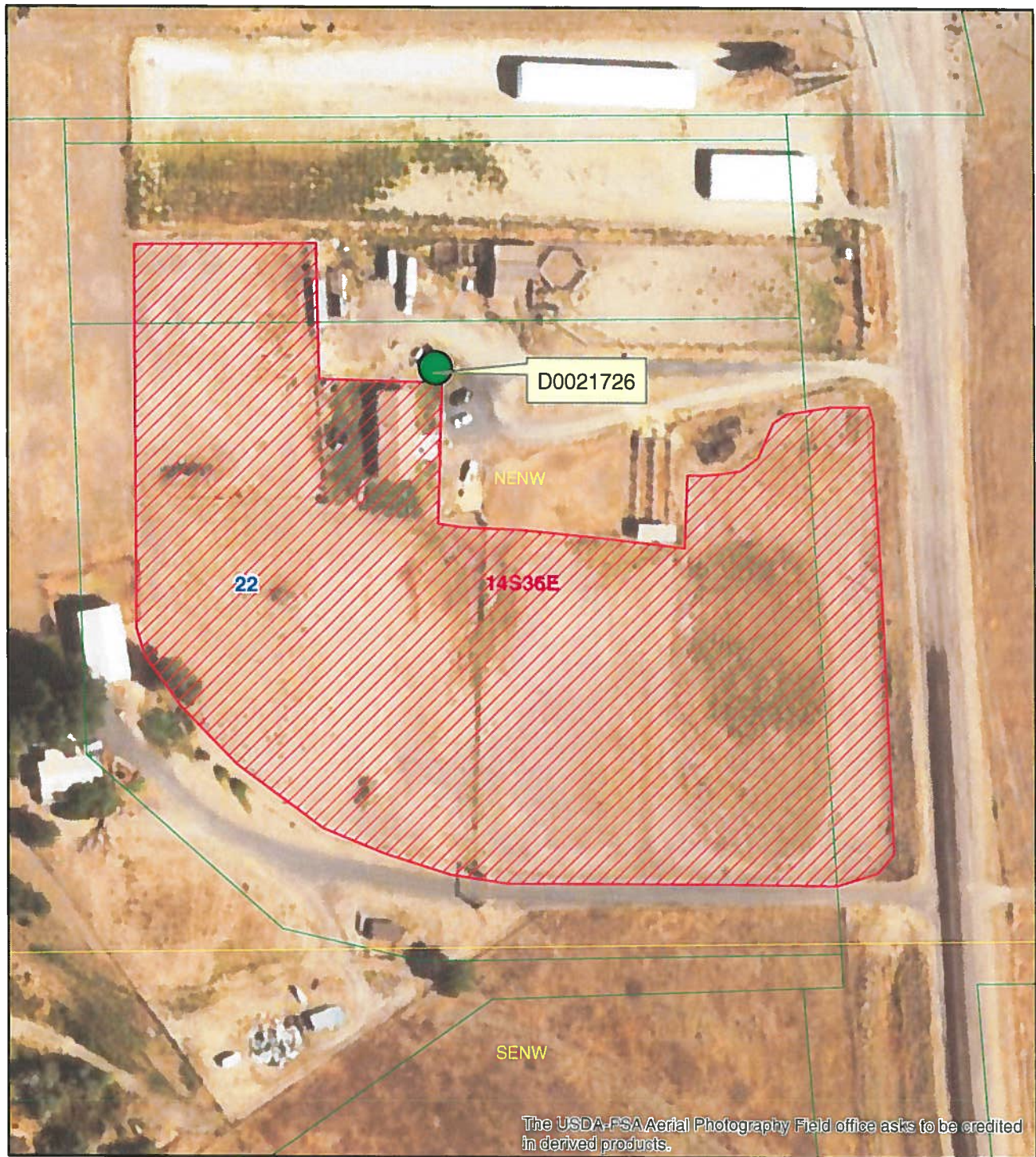
☒ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name Scott Bergando Date 2-18-15

Reviewer _____ Date _____

Field Exam WR 15-7226



0 75 150 300 Feet

Onieda County
IDWR Basin 15

Idaho Department of Water Resources
Prepared by Scott Bergendorf
2013 Aerial photography

