

STATE OF IDAHO  
DEPARTMENT OF WATER RESOURCES  
BENEFICIAL USE FIELD REPORT

**A. GENERAL INFORMATION**

Permit No: 15-7229

Exam Date: 6/1/2015

1. Current Owner: ANDREW BYBEE (Goes by middle name Chad)  
1790 CEDAR VIEW RD  
SODA SPRINGS ID 83276  
(208)547-0180
2. Accompanied by: "Chad" Bybee  
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: 21 Shares Samaria Irrigation
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 NW1/4SE1/4 Sec. 2, Twp 15S, Rge 35E, B.M.  
ONEIDA County

Method of Determination: GPS and Aerial photography

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	
15S 35E 2									28.4	35.4							63.8

Total Acres: 63.8

Method of Determination: Aerial photography and meeting with 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 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 Size</u>
D0032570	Submersible				

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

**D. FLOW MEASUREMENTS**

1.

<u>Measurement 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: Unable to measure flow rate. Pump has not ran for several years. Owner states he allows his brother-in-law to manage the property and he currently only uses surface water.

**E. FLOW CALCULATIONS**

\_\_\_\_\_ Additional Computation Sheets Attached

Measured Method:

3 wheelines = 96 nozzles at 5 gpm = 480 gpm or 1.07 cfs

**F. VOLUME CALCULATIONS**

1. Volume Calculations for Irrigation:

$$V_{I.R.} = 63.8 \text{ (Acres Irrigated)} \times 3.5 \text{ (Irrigation Requirement)} = 223.3 \text{ af}$$

$$V_{D.R.} = 1.07[\text{Diversion Rate (cfs)}] \times 214(\text{Days in Irrigation season}) \times 1.9835 = 454.2 \text{ af}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 223.3 \text{ af}$$

2. Volume Calculations for Other Uses: None

**G. NARRATIVE/REMARKS/COMMENTS**

System consists of 3 wheelines and also uses flood irrigation from surface water. Owner states that he has not ran the well in several years due to the fact that surface water has been sufficient. Permit was issued for 84 acres and 63.8 acres were developed.

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	1.070 CFS	223.30 AF
<u>Totals:</u>		1.070 CFS	223.30 AF

2. Recommended Amendments

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

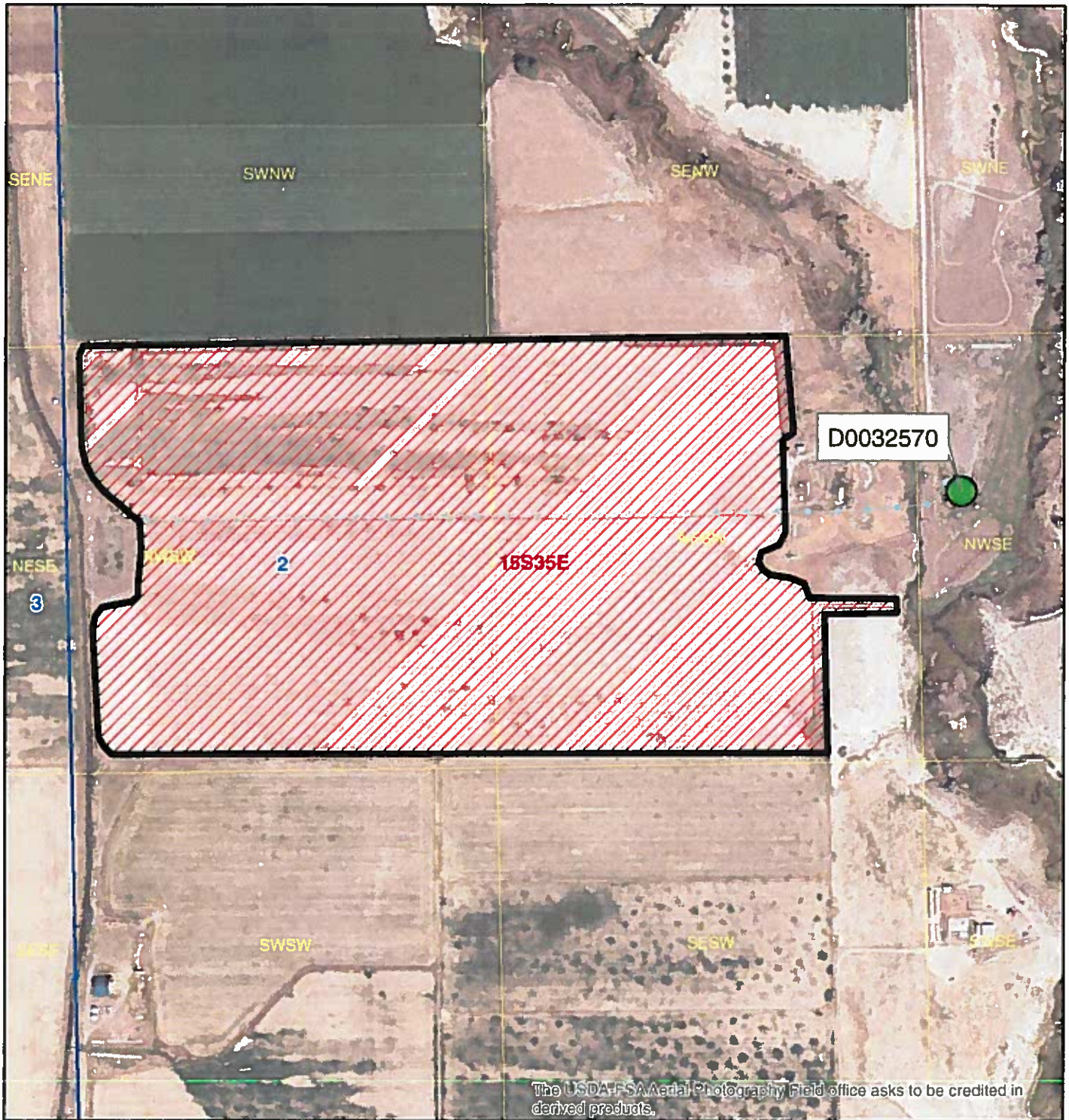
Change P.U. as reflected above  Add P.U. as reflected above  Other

**I. AUTHENTICATION**

Field Examiner's Name Scott Bergendorf Date 1/26/2016

Reviewer \_\_\_\_\_ Date \_\_\_\_\_

# Water Right License 15-7229



D0032570

18S35E

2

3

The USDA-FSA Aerial Photography Field office asks to be credited in derived products.

0 337.5 675 1,350 Feet

- Waterline
- 15-7229\_POU
- Township/Range
- Sections
- QQ



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

Onieda County  
IDWR Basin 15

