

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 15-7156

Exam Date: 7/30/2014

1. Current Owner: RODNEY WANGSGARD
1616 S 4700 W
MALAD CITY ID 83252
(208)766-2809

Or

SHERRY WANGSGARD
1616 S 4700 W
MALAD CITY ID 83252
(208)766-2809

2. Accompanied by: Rodney Wangsgard
Relationship to Permit Holder: Same

3. SOURCETRIBUTARY

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 15-2035 is a two acre groundwater right that overlaps in the SWNW of Section 35. 15-2035 is assumed to be overlapping because all irrigated acres in the SWNW are covered by right 15-7156; the remainder of the QQ is either stream channel or impervious land associated with commercial/residential areas.

2. Other water rights with the same point of diversion: *possibly 15-2035*

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

GROUND WATER

SW1/4NW1/4

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

ONEIDA County

Method of Determination: GPS

2.

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	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>	
14S	35E	35					21.0	37.0	.8	4.4	15.0								78.2

Total Acres: 78.2

Method of Determination: Meeting with the applicant, and ArcMap

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. There is one 40 hp submersed pump.

D. FLOW MEASUREMENTS

1.

**Measurement
Equipment**

Fuji Portaflow C

2. Measurements:

683.97 gpm

E. FLOW CALCULATIONS☐ Additional Computation Sheets Attached

Measured Method:

$$683.97 \text{ gpm} / 448.83 \text{ gpm/cfs} = 1.52 \text{ cfs}$$

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 78.2 \text{ acres} \times 3.5 \text{ acre feet/acre} = 273.7 \text{ AF}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 1.52 \times 214 \times 1.9835 = 645.19 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 273.70 \text{ AF}$$

2. Volume Calculations for Other Uses: N/A

G. NARRATIVE/REMARKS/COMMENTS

One submersible pump, 40 horse power. Supplies 3.5 1/4 mile wheel lines with 31 sprinklers each. Uses water inside of one home. Livestock: 20 cows and 10 horses. Owens 6.5 shares in Samaria Irrigation Company.

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	1.520 CFS	273.70 AF
	<u>Totals:</u>	1.520 CFS	273.70 AF

2. Recommended Amendments

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

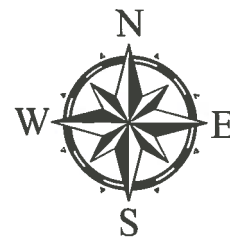
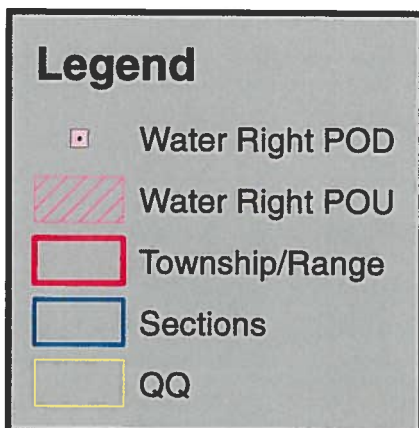
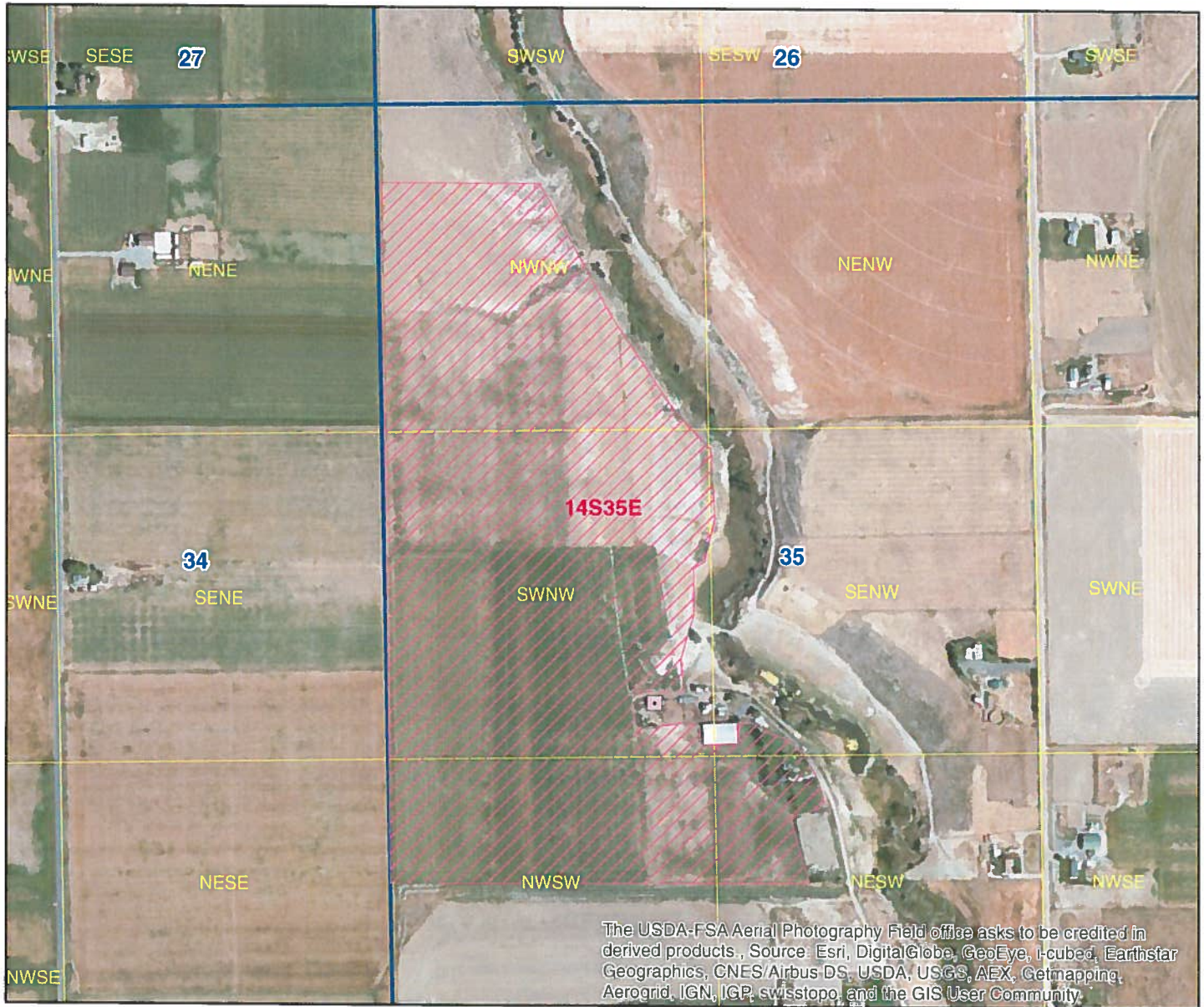
☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

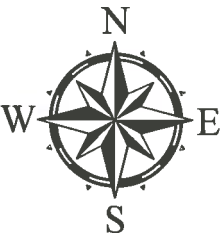
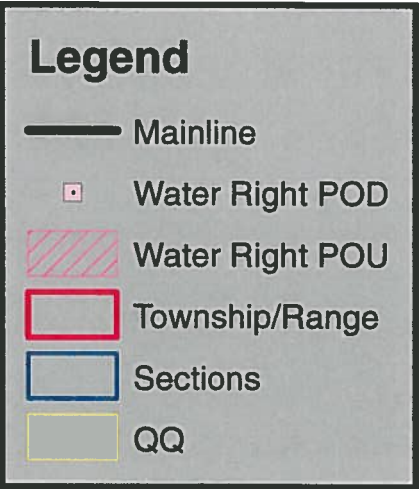
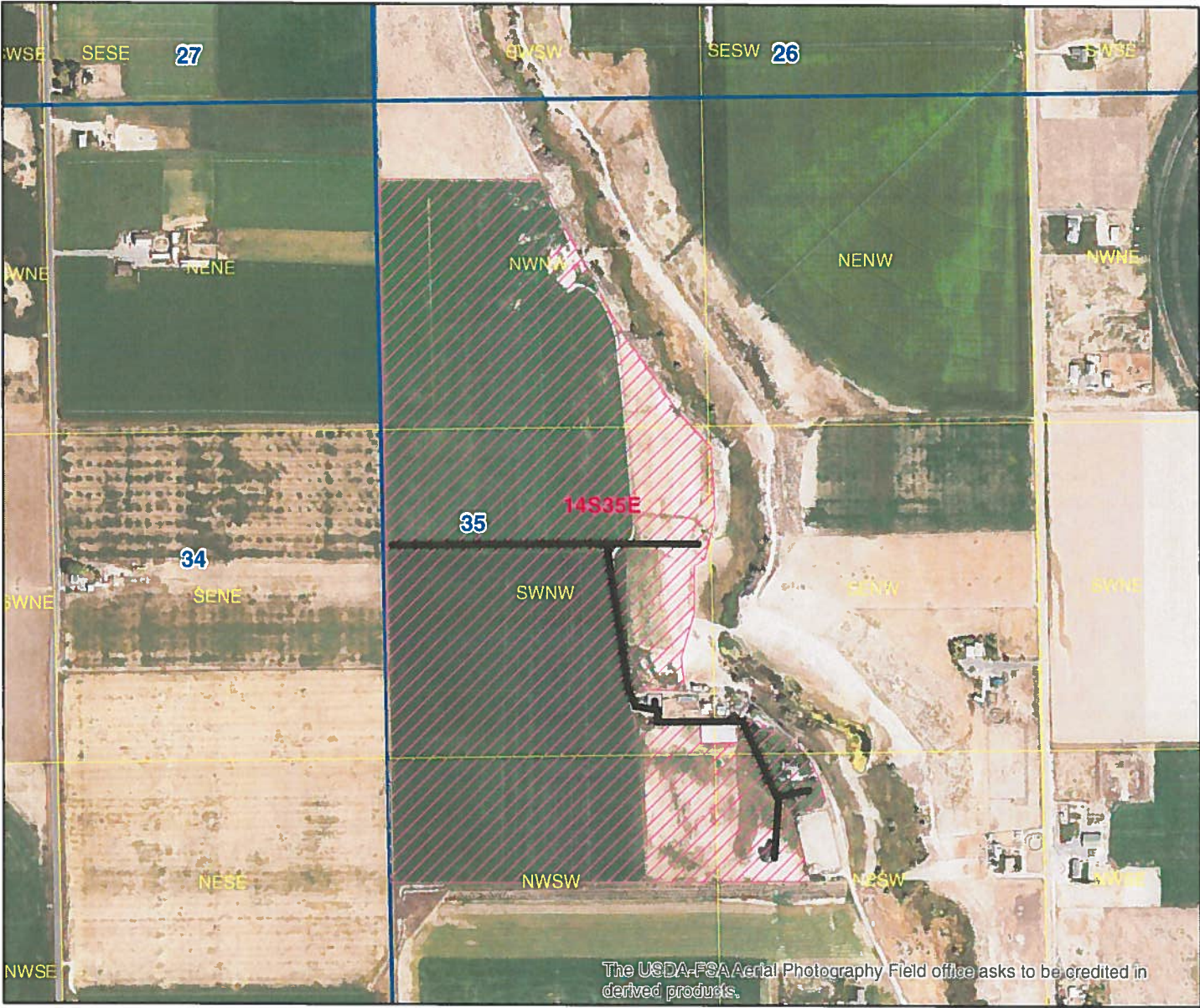
Field Examiner's Name Cooper Fritz Date 02/03/2015

Reviewer James Cefalo Date _____

Water Right 15-7156 POU and POD Locations



Water Right 15-7156 Mainline, POD, and POU Locations



	4 'VELOCITY ft/s	'FLOW RATE gal/min	'TOTALIZER gal
5/20/2014 14:47	4.175	649.5617	0
5/20/2014 14:47	4.32	672.1526	110.228
5/20/2014 14:47	4.232	658.4407	219.03
5/20/2014 14:47	4.297	668.5262	329.537
5/20/2014 14:47	4.338	674.9685	445.877
5/20/2014 14:47	4.296	668.3689	553.935
5/20/2014 14:48	4.347	676.3072	668.299
5/20/2014 14:48	4.346	676.23	778.534
5/20/2014 14:48	4.317	671.6719	893.337
5/20/2014 14:48	4.345	676.089	1008.281
5/20/2014 14:48	4.355	677.5671	1116.345
5/20/2014 14:48	4.384	682.1535	1232.058
5/20/2014 14:49	4.377	680.9954	1343.43
5/20/2014 14:49	4.35	676.8694	1458.501
5/20/2014 14:49	4.337	674.8881	1573.068
5/20/2014 14:49	4.33	673.7094	1680.697
5/20/2014 14:49	4.396	683.9662	1795.866
5/20/2014 14:49	4.347	676.3144	1906.703
5/20/2014 14:50	4.353	677.3248	2021.59
5/20/2014 14:50	4.371	680.1128	2129.99
5/20/2014 14:50	4.351	676.9529	2245.128
5/20/2014 14:50	4.287	667.0736	2360.06
5/20/2014 14:50	4.331	673.8294	2474.18
5/20/2014 14:50	4.349	676.6921	2582.68
5/20/2014 14:51	4.365	679.1747	2697.671
5/20/2014 14:51	4.311	670.7246	2807.556
5/20/2014 14:51	4.301	669.2608	2921.132
5/20/2014 14:51	4.288	667.1867	3028.171
5/20/2014 14:51	4.323	672.5752	3142.116
5/20/2014 14:51	4.369	679.7563	3256.943
5/20/2014 14:52	4.328	673.4758	3367.28
5/20/2014 14:52	4.335	674.451	3481.388
5/20/2014 14:52	4.362	678.7332	3590.185
5/20/2014 14:52	4.356	677.8416	3705.073
5/20/2014 14:52	4.317	671.6276	3820.122
5/20/2014 14:52	4.277	665.5479	3928.966
5/20/2014 14:53	4.29	667.4566	4042.366
5/20/2014 14:53	4.338	674.9726	4149.446
5/20/2014 14:53	4.346	676.2259	4264.46
5/20/2014 14:53	4.366	679.2956	4380.349
5/20/2014 14:53	4.341	675.4745	4490.842
5/20/2014 14:53	4.357	677.9058	4605.48
5/20/2014 14:54	4.344	675.9115	4714.156
5/20/2014 14:54	4.33	673.7427	4828.797
5/20/2014 14:54	4.327	673.31	4943.142

5/20/2014 14:54	4.347	676.4141	5053.708
5/20/2014 14:54	4.32	672.1945	5168.472
5/20/2014 14:54	4.343	675.6768	5276.434
5/20/2014 14:55	4.365	679.2041	5391.06
5/20/2014 14:55	4.334	674.3754	5501.404
5/20/2014 14:55	4.316	671.501	5615.948
5/20/2014 14:55	4.323	672.7086	5730.532
5/20/2014 14:55	4.338	675.0207	5840.536
5/20/2014 14:55	4.319	671.982	5952.915
5/20/2014 14:56	4.342	675.6239	6069.869
5/20/2014 14:56	4.37	679.9293	6178.055
5/20/2014 14:56	4.362	678.6895	6293.823
5/20/2014 14:56	4.328	673.3871	6404.069
5/20/2014 14:56	4.391	683.2664	6519.351
5/20/2014 14:56	4.331	673.9264	6634.124
5/20/2014 14:57	4.329	673.5046	6742.084



Submerged pump



Pump House