

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 15-7265

Exam Date: 8/16/2012

1. Current Owner: TOD F DANIELS
610 N 500 W
MALAD ID 83252
(208)766-4432
2. Accompanied by: Tod Daniels
Phone No:
Address:
Relationship to Permit Holder: Owner

3. SOURCETRIBUTARY

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 15-7004
2. Other water rights with the same point of diversion: 15-7004

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

GROUND WATER

NW1/4NE1/4

Sec. 32, Twp 14S, Rge 36E, B.M.

ONEIDA County

Method of Determination: GPS, Ariel 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	
14S	36E	29															38.0	26.0	64.0
14S	36E	32	24.0	38.0	39.0	24.0													125.0

Total Acres: 189

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>Pump Serial No. or Discharge</u>
<u>ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Size</u>
A0015870	US Motors (Booster) Baldor	75 50	SN 106625 JPMZ543T		

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

D. FLOW MEASUREMENTS

1.

<u>Measurement</u>						<u>Calib. Date</u>
<u>Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	
Portable Flowmeter	FSC	Fuji	S10A1-00Y	A0L5539T		5/30/2012

2. Measurements: A ten minute flowmeter reading was performed. Booster was running during test. Maximum instantaneous flow rate was 2044.9 gpm or 4.18 cfs. Pressure was 48 PSI.

E. FLOW CALCULATIONS

☒ Additional Computation Sheets Attached

Measured Method:

Measured Q= 4.17 cfs (maximum flow rate)

This water right overlaps Water Right 15-7004 which is good for 1.3 cfs, 471.9 AF and 189 acres.

Water Right 15-7265 = 2.48 CFS

Water Right 15-7004 = 1.3 CFS

Total = 3.78 CFS

Measured Flow Rate = 4.17 CFS

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = 189 \text{ (Acres Irrigated)} \times 3.5 \text{ (Irrigation Requirement)} = 661.5$$

$$V_{D.R.} = 2.48 \text{ [Diversion Rate (cfs)]} \times 214 \text{ (Days in Irrigation season)} \times 1.9835 = 1052.7$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 661.5$$

2. Volume Calculations for Other Uses: none

G. NARRATIVE/REMARKS/COMMENTS

Field exam for this permit was done on 8/16/2012. Both the pump (75hp) and booster (50hp) were used during the exam. A ten minute flow test was done which yielded a maximum flow rate of 2044.9 gpm.

This water right shares the same POU and POD as water right 15-7004. Use of this right with water right 15-7004 is limited to a maximum diversion volume of 661.5 AF and the irrigation of 189 acres in a single irrigation season.

Township and range shape files and ariel imagery is not matched perfectly. The POU shapefile needed to be shifted slightly to the south in order to keep POU in the correct quarter quarters.

Season of use being extended to the standard 04/01-10/31.

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	2.480 CFS	661.50 AF
<u>Totals:</u>		2.480 CFS	661.50 AF

2. Recommended Amendments

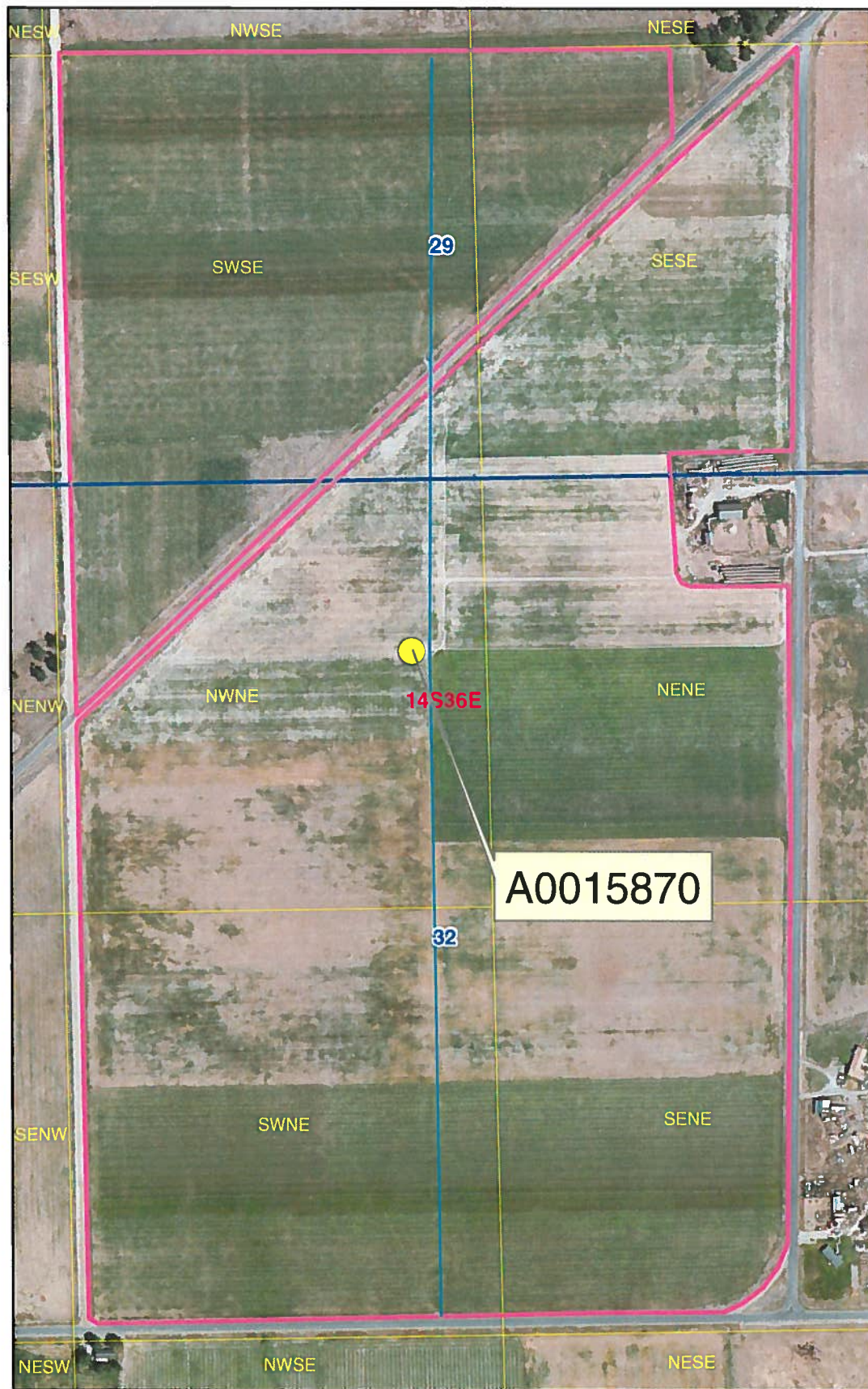
☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

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

I. AUTHENTICATION

Field Examiner's Name Just Boyle Date 9-10-12
 Reviewer James Cefalo Date 9/13/2012

Idaho Department of Water Resources



Water Right
15-7265
(Irrigation)



● Point of Diversion

— Main lines

□ Place of Use

□ Township/Range

□ Sections

□ QQ

**Onieda County
IDWR Basin 15**

Prepared by Scott Bergendorf

2010 Aerial Photography

15-7265	'VELOCITY	'FLOW RAT	'TOTALIZER	8/16/2012 9:47	5.931	2018.308	24372.9
	ft/s	gal/min	gal	8/16/2012 9:47	5.861	1994.662	24709.1
8/16/2012 9:42	5.513	1876.237	19229.7	8/16/2012 9:47	5.876	1999.72	25049.9
8/16/2012 9:42	5.655	1924.436	19548.9	8/16/2012 9:47	5.922	2015.24	25384.7
8/16/2012 9:42	5.75	1956.917	19882.5	8/16/2012 9:47	5.949	2024.446	25721.6
8/16/2012 9:42	5.633	1916.954	20203.5	8/16/2012 9:48	5.865	1996.041	26064.9
8/16/2012 9:42	5.619	1912.353	20509.4	8/16/2012 9:48	5.848	1990.166	26395.1
8/16/2012 9:42	5.467	1860.577	20822.9	8/16/2012 9:48	5.839	1986.924	26724.4
8/16/2012 9:43	5.42	1844.329	21137.3	8/16/2012 9:48	5.839	1986.944	27044.2
8/16/2012 9:43	5.414	1842.316	21168	8/16/2012 9:48	5.848	1989.987	27375.3
8/16/2012 9:43	5.413	1842.054	21168	8/16/2012 9:48	5.811	1977.559	27713.9
8/16/2012 9:43	5.413	1842.02	21168	8/16/2012 9:49	5.874	1999.1	28048.3
8/16/2012 9:43	5.413	1842.016	21168	8/16/2012 9:49	5.846	1989.445	28382.2
8/16/2012 9:43	5.413	1842.016	21168	8/16/2012 9:49	5.844	1988.606	28722.9
8/16/2012 9:44	5.413	1842.016	21168	8/16/2012 9:49	5.777	1966.121	29052.1
8/16/2012 9:44	5.413	1842.016	21168	8/16/2012 9:49	5.823	1981.658	29381.5
8/16/2012 9:44	5.413	1842.016	21168	8/16/2012 9:49	5.832	1984.608	29699.1
8/16/2012 9:44	5.413	1842.016	21168	8/16/2012 9:50	5.8	1973.702	30030.8
8/16/2012 9:44	5.413	1842.016	21168	8/16/2012 9:50	5.904	2009.023	30371.2
8/16/2012 9:44	5.413	1842.016	21168	8/16/2012 9:50	5.711	1943.598	30700.2
8/16/2012 9:45	5.413	1842.016	21168	8/16/2012 9:50	5.886	2002.95	31031.1
8/16/2012 9:45	5.413	1842.016	21168	8/16/2012 9:50	5.797	1972.832	31369.1
8/16/2012 9:45	5.413	1842.016	21168	8/16/2012 9:50	5.874	1999.029	31699.7
8/16/2012 9:45	5.413	1842.016	21168	8/16/2012 9:51	5.932	2018.788	32021.2
8/16/2012 9:45	5.653	1923.642	21255.9	8/16/2012 9:51	5.863	1995.331	32352.4
8/16/2012 9:45	5.82	1980.621	21583.1	8/16/2012 9:51	5.851	1991.129	32682.2
8/16/2012 9:45	5.918	2014.111	21702.7	8/16/2012 9:51	5.804	1975.211	33018.6
8/16/2012 9:46	5.825	1982.175	22039.2	8/16/2012 9:51	5.867	1996.733	33348.6
8/16/2012 9:46	5.738	1952.771	22374.9	8/16/2012 9:51	5.791	1970.814	33680.3
8/16/2012 9:46	5.92	2014.47	22706.1	8/16/2012 9:52	5.901	2008.288	34016.6
8/16/2012 9:46	5.902	2008.49	23038.6	8/16/2012 9:52	5.959	2027.77	34352.4
8/16/2012 9:46	5.814	1978.497	23371.7	8/16/2012 9:52	5.892	2005.2	34674.9
8/16/2012 9:46	6.009	2044.9	23713	8/16/2012 9:52	5.838	1986.705	35011.8
8/16/2012 9:47	5.931	2018.463	24053.7	8/16/2012 9:52	5.763	1961.302	35348.6

Max flow rate
2044.9 gpm
4.18 cfs

Maximum
Flow
rate



