

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 15-7171

Exam Date: 7/2/2014

1. Current Owner: KELLE D KELLY
1715 S 4600 W
MALAD CITY ID 83252
(208)226-4855

Or

BRUCE KELLY
1715 S 4600 W
MALAD CITY ID 83252
(208)226-4855

2. Accompanied by: Kelle Kelly

Phone No:

Address:

Relationship to Permit Holder:

3. **SOURCE**

GROUND WATER

TRIBUTARY**B. OVERLAP REVIEW**

1. Other water rights with the same place of use: 13-7404
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. 35, Twp 14S, Rge 35E, B.M.

ONEIDA County

Method of Determination: GPS and aerial photography

2.

PLACE OF USE: IRRIGATION

Tw	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
14S	35E	35														10.0			10.0

Total Acres: 10

Method of Determination: AERIAL PHOTOGRAPHY

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>
D0049676	SUBMERSIBLE	7.5			
D0006694					

*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>
Portable Flowmeter	FSC	Fuji	S10A1-00Y	A0L5539T		JUNE/2015

2. Measurements:

A ten minute flowmeter reading was performed at two locations on the system. Maximum instantaneous flow rates for both locations was 10 gpm for 3 birds on handlines, and 54.2 gpm for 13 birds on a wheeline, for a total of 64.2 gpm or .14 CFS.

E. FLOW CALCULATIONS☒ Additional Computation Sheets Attached

Measured Method:

Measured Flow = .14 CFS

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = 10(\text{Acres Irrigated}) \times 3.5 (\text{Irrigation Requirement}) = 35 \text{ AF}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 59.4 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 35 \text{ AF}$$

2. Volume Calculations for Other Uses: none

G. NARRATIVE/REMARKS/COMMENTS

System runs off of a 7.5 HP submersible pump. At the time of measurement, system capacity was 1 wheel line consisting of 13 birds, and 1 hand line consisting of 3 birds. Permit was for 15 acres and 10 acres had been developed when Proof Due had been submitted.

Period of use has been updated to standard dates.

Water right 15-7171 will be combined with 15-7404. When combined these rights will be limited to the irrigation of 13.5 acres, the maximum diversion volume of 47.3 AF, and the diversion rate of .14 cfs.

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	0.140 CFS	35.00 AF
<u>Totals:</u>		0.140 CFS	35.00 AF

2. Recommended Amendments

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

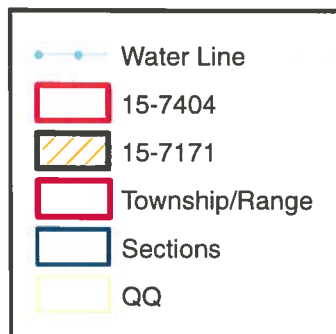
☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☒ Other

I. AUTHENTICATION

Field Examiner's Name Scott Byrnes Date 4-3-15

Reviewer James Cefalo Date _____

Field Exam WR 15-7171



0 125 250 500 Feet

Onida County
IDWR Basin 15

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





15-7171 a 'FLOW RATE

7/2/2014 12:03	53.528	7/2/2014 12:10	53.867
7/2/2014 12:03	53.629	7/2/2014 12:11	53.938
7/2/2014 12:03	53.695	7/2/2014 12:11	53.971
7/2/2014 12:03	53.643	7/2/2014 12:11	53.93
7/2/2014 12:03	53.8	7/2/2014 12:11	53.783
7/2/2014 12:04	53.502	7/2/2014 12:11	53.75
7/2/2014 12:04	53.703	7/2/2014 12:11	53.724
7/2/2014 12:04	53.697	7/2/2014 12:12	53.473
7/2/2014 12:04	53.536	7/2/2014 12:12	53.628
7/2/2014 12:04	53.561	7/2/2014 12:12	53.692
7/2/2014 12:04	53.616	7/2/2014 12:12	53.828
7/2/2014 12:05	53.988	7/2/2014 12:12	53.701
7/2/2014 12:05	53.567	7/2/2014 12:12	53.781
7/2/2014 12:05	53.762	7/2/2014 12:13	53.924
7/2/2014 12:05	53.946	7/2/2014 12:13	53.89
7/2/2014 12:05	53.688	7/2/2014 12:13	53.717
7/2/2014 12:05	53.806	7/2/2014 12:13	53.654
7/2/2014 12:06	53.57	7/2/2014 12:13	53.886
7/2/2014 12:06	53.885	7/2/2014 12:13	53.786
7/2/2014 12:06	53.869	7/2/2014 12:14	54.226
7/2/2014 12:06	53.731	7/2/2014 12:14	53.932
7/2/2014 12:06	53.959	7/2/2014 12:14	54.138
7/2/2014 12:06	53.934	7/2/2014 12:14	53.776
7/2/2014 12:07	53.907		gal/min
7/2/2014 12:07	53.717		
7/2/2014 12:07	54.07		
7/2/2014 12:07	53.726		
7/2/2014 12:07	53.637		
7/2/2014 12:07	53.792		
7/2/2014 12:08	53.96		
7/2/2014 12:08	53.877		
7/2/2014 12:08	53.832		
7/2/2014 12:08	54.048		
7/2/2014 12:08	53.867		
7/2/2014 12:08	53.915		
7/2/2014 12:09	53.996		
7/2/2014 12:09	53.918		
7/2/2014 12:09	53.857		
7/2/2014 12:09	53.968		
7/2/2014 12:09	53.628		
7/2/2014 12:09	53.752		
7/2/2014 12:10	53.804		
7/2/2014 12:10	53.815		
7/2/2014 12:10	53.882		
7/2/2014 12:10	53.929		
7/2/2014 12:10	53.969		

15-7171 b 'FLOW RATE

7/2/2014 12:19	9.717		
7/2/2014 12:19	9.801	7/2/2014 12:27	9.911
7/2/2014 12:20	9.819	7/2/2014 12:27	9.922
7/2/2014 12:20	9.781	7/2/2014 12:27	9.866
7/2/2014 12:20	9.847	7/2/2014 12:27	9.894
7/2/2014 12:20	9.891	7/2/2014 12:28	9.902
7/2/2014 12:20	9.933	7/2/2014 12:28	9.746
7/2/2014 12:20	9.982	7/2/2014 12:28	9.73
7/2/2014 12:21	9.91	7/2/2014 12:28	9.679
7/2/2014 12:21	9.91	7/2/2014 12:28	9.836
7/2/2014 12:21	9.928	7/2/2014 12:28	9.787
7/2/2014 12:21	9.885	7/2/2014 12:29	9.845
7/2/2014 12:21	9.838	7/2/2014 12:29	9.789
7/2/2014 12:21	9.874	7/2/2014 12:29	9.952
7/2/2014 12:22	9.896	7/2/2014 12:29	10.004
7/2/2014 12:22	9.835	7/2/2014 12:29	9.787
7/2/2014 12:22	9.811	7/2/2014 12:29	9.877
7/2/2014 12:22	9.683	7/2/2014 12:30	9.836
7/2/2014 12:22	9.89	7/2/2014 12:30	9.781
7/2/2014 12:22	9.748		gal/min
7/2/2014 12:23	9.831		
7/2/2014 12:23	9.936		
7/2/2014 12:23	9.989		
7/2/2014 12:23	9.859		
7/2/2014 12:23	9.867		
7/2/2014 12:23	9.788		
7/2/2014 12:24	10.03		
7/2/2014 12:24	9.869		
7/2/2014 12:24	9.815		
7/2/2014 12:24	9.996		
7/2/2014 12:24	10.016		
7/2/2014 12:24	9.865		
7/2/2014 12:25	10.023		
7/2/2014 12:25	9.796		
7/2/2014 12:25	9.855		
7/2/2014 12:25	9.947		
7/2/2014 12:25	9.772		
7/2/2014 12:25	9.838		
7/2/2014 12:26	9.766		
7/2/2014 12:26	9.98		
7/2/2014 12:26	9.827		
7/2/2014 12:26	9.927		
7/2/2014 12:26	9.829		
7/2/2014 12:26	9.963		
7/2/2014 12:27	9.892		
7/2/2014 12:27	9.707		