

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 15-7157

Exam Date: 8/26/2012

1. Current Owner: ALBERT M SHEPHERD
6331 N OLD HWY 191
MALAD CITY ID 83252
(208)766-4857

2. Accompanied by: Albert Shepherd

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: No
2. Other water rights with the same point of diversion: No

C. DIVERSION AND DELIVERY SYSTEM

1. LOCATION OF POINT(S) OF DIVERSION:

GROUND WATER

NE1/4SW1/4

Sec. 24, Twp 13S, Rge 36E, B.M.

ONEIDA County

Method of Determination: Ariel Photography, GPS

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	
13S	36E	24									3.5								3.5

Total Acres: 3.5

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>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge Size</u>
<u>ID No.*</u>	Submerged	3			

*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		5/30/2012

2. Measurements: A ten minute flow meter reading was performed. Maximum instantaneous flow rate was 44.1 gpm or .10 cfs.

E. FLOW CALCULATIONS☐ Additional Computation Sheets Attached

Measured Method:

Water Permit 15-7157 = .15 cfs

Measure flow = .10 cfs

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = 3.5 \text{ (Acres Irrigated)} \times 3.5 \text{ (Irrigation Requirement)} = 12.3 \text{ af}$$

$$V_{D.R.} = .10 \text{ [Diversion Rate (cfs)]} \times 214 \text{ (Days in Irrigation season)} \times 1.9835 = 42.4 \text{ af}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 12.3 \text{ acre feet.}$$

2. Volume Calculations for Other Uses: none

G. NARRATIVE/REMARKS/COMMENTS

Exam was completed on 8/26/2012. A ten minute flow meter measurement was taken at the well which has a 3 hp pump with a pressure tank. Owner runs two sprinkler head around pasture and land to irrigate.

POD and POU were both assigned to the wrong qq. Both were updated from the NWSW to the NESW.

Season of use changed 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	0.100 CFS	12.30 AF
<u>Totals:</u>		0.100 CFS	12.30 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 James Befalo Date 11/05/2012

Reviewer James Befalo Date Nov 20, 2012



Idaho Department of Water Resources

Water Right
15-7157
(Irrigation)



- Point of Diversion
- Main lines
- ▭ Place of Use
- ▭ Township/Range
- ▭ Sections
- ▭ QQ

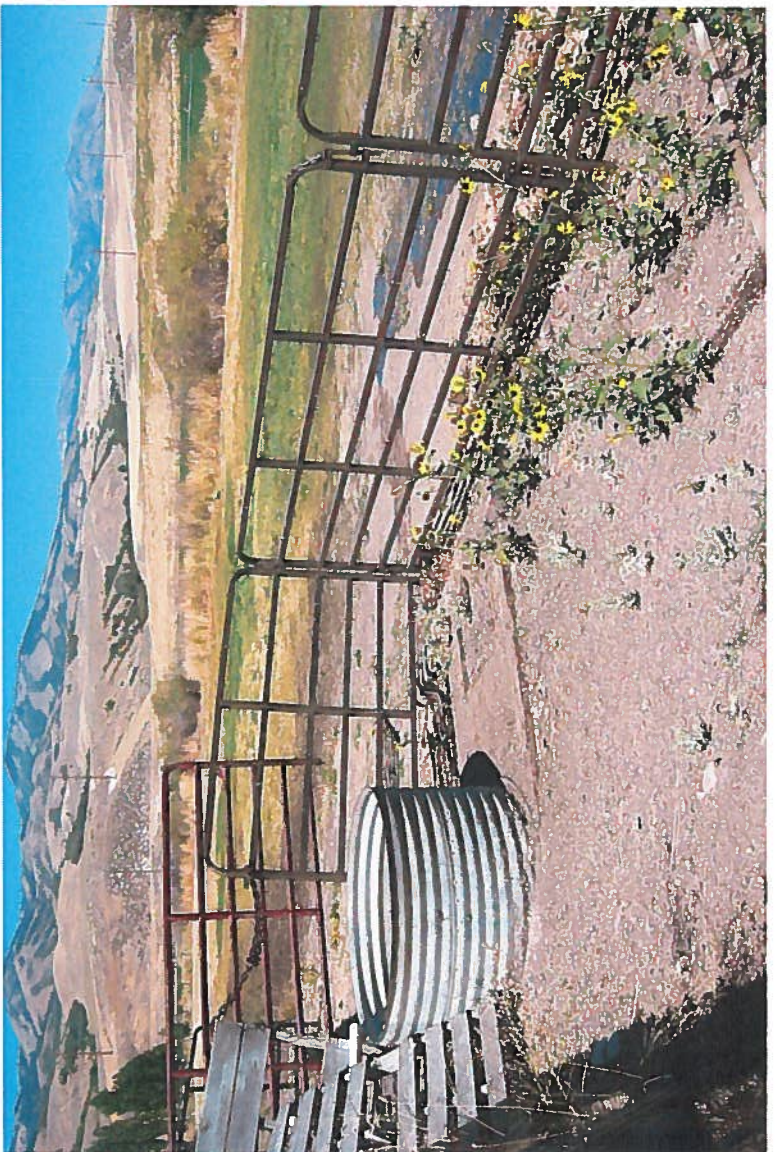
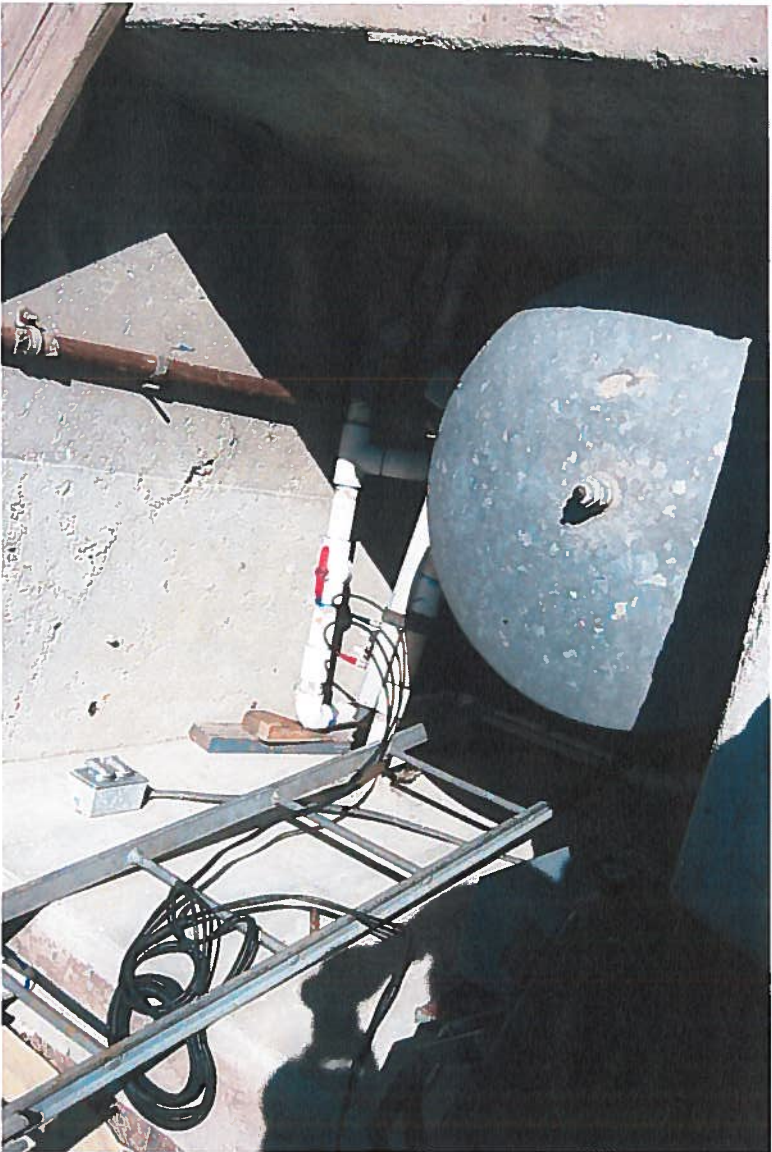
N

Onieda County
IDWR Basin 15

Prepared by Scott Bergendorf

2010 Aerial Photography

0 0.04 0.08 Miles



15-7157	'VELOCITY	'FLOW RATE	'TOTALIZER						
	ft/s	gal/min	gal						
8/29/2012 11:39	4.322	26.416	101516.3		8/29/2012 11:44	4.532	27.699	101670.4	
8/29/2012 11:39	7.216	44.103	101523	Maximum	8/29/2012 11:44	4.524	27.651	101675.2	
8/29/2012 11:39	6.167	37.688	101529.8	10 cfs	8/29/2012 11:44	4.533	27.702	101679.7	
8/29/2012 11:39	5.489	33.547	101535.7		8/29/2012 11:45	4.513	27.58	101684.4	
8/29/2012 11:39	5.11	31.23	101541.2		8/29/2012 11:45	4.519	27.622	101689	
8/29/2012 11:40	4.907	29.991	101546.3		8/29/2012 11:45	4.551	27.815	101693.7	
8/29/2012 11:40	4.736	28.947	101551.1		8/29/2012 11:45	4.57	27.93	101698.2	
8/29/2012 11:40	4.653	28.439	101555.9		8/29/2012 11:45	4.581	27.996	101702.8	
8/29/2012 11:40	4.605	28.143	101560.7		8/29/2012 11:45	4.554	27.834	101707.6	
8/29/2012 11:40	4.534	27.713	101565.2		8/29/2012 11:46	4.561	27.877	101712.1	
8/29/2012 11:40	4.537	27.729	101569.8		8/29/2012 11:46	4.576	27.967	101716.9	
8/29/2012 11:41	4.496	27.478	101574.5		8/29/2012 11:46	4.54	27.746	101721.5	
8/29/2012 11:41	4.459	27.254	101578.9		8/29/2012 11:46	4.57	27.928	101726.2	
8/29/2012 11:41	4.429	27.067	101583.6		8/29/2012 11:46	4.555	27.841	101730.8	
8/29/2012 11:41	4.436	27.115	101588		8/29/2012 11:46	4.561	27.878	101735.3	
8/29/2012 11:41	4.474	27.342	101592.7		8/29/2012 11:47	4.536	27.72	101740	
8/29/2012 11:41	4.478	27.368	101597.1		8/29/2012 11:47	4.577	27.976	101744.6	
8/29/2012 11:42	4.506	27.542	101601.8		8/29/2012 11:47	4.545	27.781	101749.3	
8/29/2012 11:42	4.502	27.513	101606.3		8/29/2012 11:47	4.544	27.772	101753.9	
8/29/2012 11:42	4.481	27.387	101611		8/29/2012 11:47	4.534	27.712	101758.7	
8/29/2012 11:42	4.476	27.358	101615.4		8/29/2012 11:47	4.532	27.695	101763.2	
8/29/2012 11:42	4.496	27.48	101619.9		8/29/2012 11:48	4.52	27.627	101767.9	
8/29/2012 11:42	4.456	27.232	101624.6		8/29/2012 11:48	4.56	27.872	101772.4	
8/29/2012 11:43	4.471	27.325	101629		8/29/2012 11:48	4.554	27.833	101777.1	
8/29/2012 11:43	4.496	27.475	101633.8		8/29/2012 11:48	4.546	27.786	101781.7	
8/29/2012 11:43	4.501	27.511	101638.3		8/29/2012 11:48	4.528	27.676	101786.2	
8/29/2012 11:43	4.511	27.572	101643		8/29/2012 11:48	4.558	27.858	101791	
8/29/2012 11:43	4.527	27.665	101647.5		8/29/2012 11:49	4.563	27.889	101795.5	
8/29/2012 11:43	4.518	27.614	101652		8/29/2012 11:49	4.513	27.585	101800.3	
8/29/2012 11:44	4.52	27.623	101656.7		8/29/2012 11:49	4.57	27.929	101804.8	
8/29/2012 11:44	4.538	27.732	101661.2		8/29/2012 11:49	4.532	27.696	101809.5	
8/29/2012 11:44	4.528	27.675	101665.9						