

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 15-7155

Exam Date: 8/8/2012

1. Current Owner: LINDA D JONES
2650 W HWY 38
MALAD CITY ID 83252
(208)766-0933

Or

GARY A JONES
2650 W HWY 38
MALAD CITY ID 83252
(208)766-0933

2. Accompanied by: Gary Jones

Phone No:

Address:

Relationship to Permit Holder: Owner

3. **SOURCE**

TRIBUTARY

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: none
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	LOT 3 NE1/4NW1/4	Sec. 6,	Twp 15S,	Rge 36E, B.M.
ONEIDA County				
GROUND WATER	LOT 3 NE1/4NW1/4	Sec. 6,	Twp 15S,	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
15S	36E	6	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
				38.6	8.3		28.0	38.5	2.5										115.9
				L2			L3	L4											

Total Acres: 115.9

PLACE OF USE: DOMESTIC

Twp	Rge	Sec	NE				NW				SW				SE				Totals
15S	36E	6	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
							X												
							L3												

Method of Determination: GPS, Ariel 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</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>	
D0004153	Submersible	40		Submersible		
D0004196	Domestic					

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

D. FLOW MEASUREMENTS

1.

<u>Measurement</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 test was performed. Because of the orientation of the pipe leading from the pump, two measurements were taken. Maximum instantaneous flow rate for the first was 194.5 gpm and maximum instantaneous flow rate for the second was 375.8 gpm. Total instantaneous flow rate was 570.3 gpm or 1.27 cfs.

E. FLOW CALCULATIONS☒ Additional Computation Sheets Attached

Measured Method: Measured Q = 1.27 cfs (maximum flow rate)

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = 115.9(\text{Acres Irrigated}) \times 3.5 (\text{Irrigation Requirement}) = 405.7$$

$$V_{D.R.} = 1.27 [\text{Diversion Rate (cfs)}] \times 214 (\text{Days in Irrigation season}) \times 1.9835 = 539.1$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 405.7$$

2. Volume Calculations for Other Uses:

.6 AF for in-house use (domestic)

G. NARRATIVE/REMARKS/COMMENTS

2 POD's were found in the NENW of 15S, 36E, Section 6. Actual amount being pumped at maximum flow rate is 1.27 CFS. Acres found to be irrigated is 115.9. Domestic use is for 1 home located in the NENW of 15S, 36E, Section 6.

Season of use being change to the Season standard of 4/01 – 10/31.

Ariel Imagery and quarter quarters were not in alignment, therefore the shape file in the NWNE section needed to be shifted slightly to the west in order to keep it entirely in the NWNE quarter quarter.

Right holder indicated that he had about a 10% share holding of the Little Malad River which runs through his property. However, he indicated that the shares have never been deliverable. Recommend licensing as a primary water right.

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	1.270 CFS	405.70 AF
DOMESTIC	01/01 to 12/31	0.020 CFS	0.60 AF
<u>Totals:</u>		1.270 CFS	406.30 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

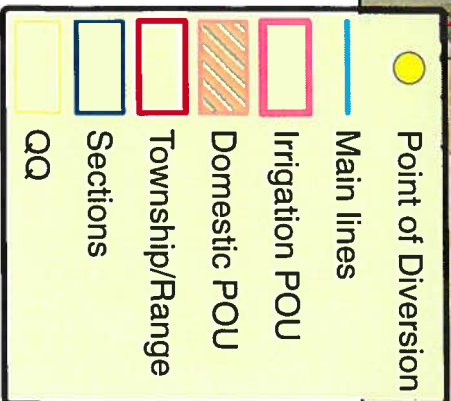
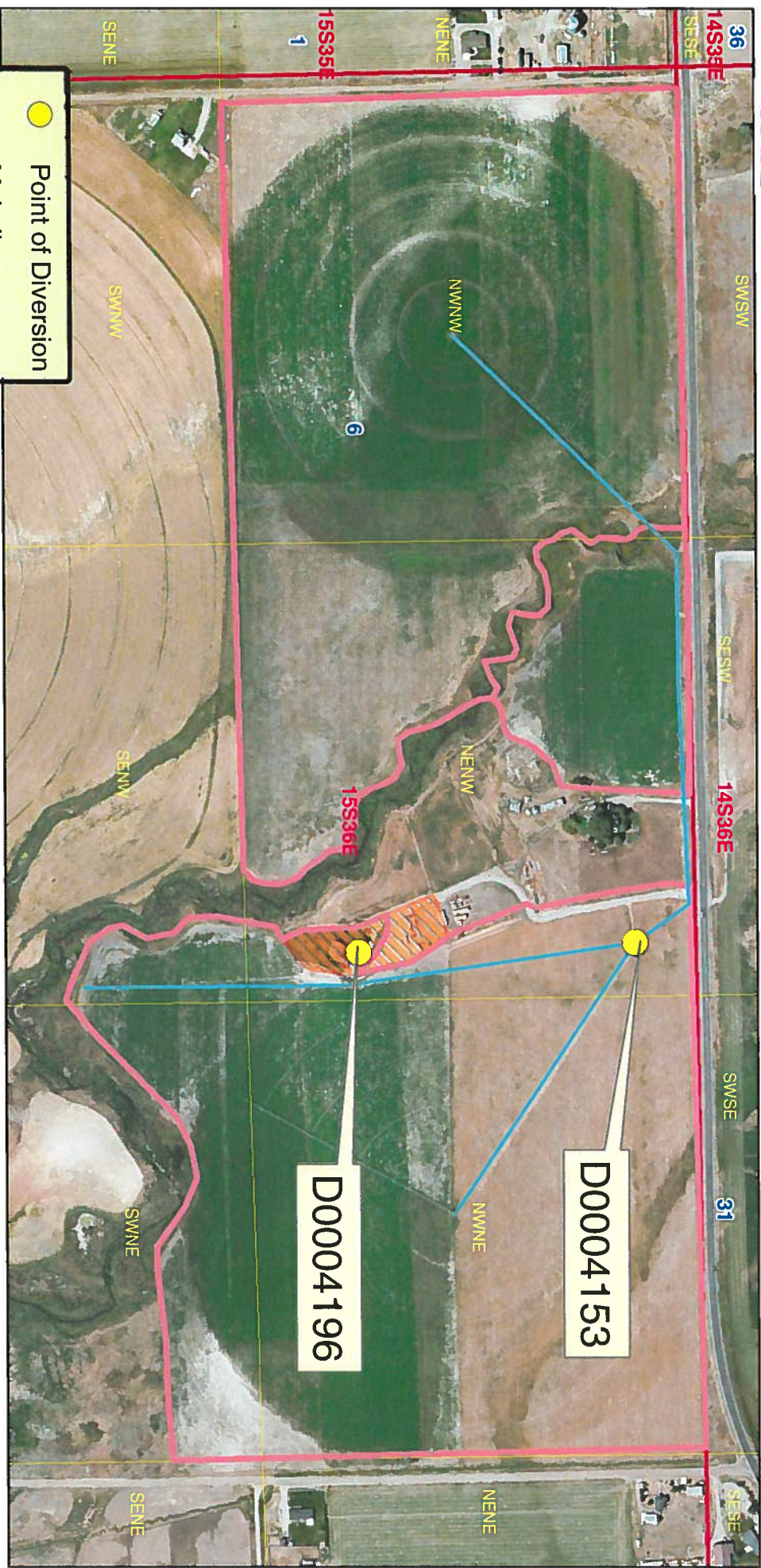
Field Examiner's Name Scott Rye Date 9-10-12

Reviewer _____ Date _____



Idaho Department of Water Resources

Water Right
15-7155
(Irrigation)



Onieda County
IDWR Basin 15

0 0.05 0.1 0.2 Miles

Prepared by Scott Bergendorf
2010 Aerial Photography



15-7155	VELOCITY	'FLOW RAT	+'TOTALIZER	
	ft/s	gal/min	gal	
8/9/2012 11:58	4.646	371.866	1491.5	
8/9/2012 11:58	4.671	373.894	2.4	
8/9/2012 11:58	4.616	369.499	64.1	
8/9/2012 11:58	4.695	375.791	127.2	TO plus OK
8/9/2012 11:58	4.609	368.9	191.3	
8/9/2012 11:58	4.551	364.295	250.6	
8/9/2012 11:59	4.569	365.775	311.8	
8/9/2012 11:59	4.548	364.044	374	
8/9/2012 11:59	4.698	376.02	436	
8/9/2012 11:59	4.508	360.818	497.1	
8/9/2012 11:59	4.627	370.366	555.6	
8/9/2012 11:59	4.496	359.926	618.5	
8/9/2012 12:00	4.632	370.738	679.1	
8/9/2012 12:00	4.565	365.419	741.1	
8/9/2012 12:00	4.553	364.46	802	
8/9/2012 12:00	4.499	360.139	859.6	
8/9/2012 12:00	4.645	371.799	921.6	
8/9/2012 12:00	4.469	357.771	981.9	
8/9/2012 12:01	4.541	363.484	1042.4	
8/9/2012 12:01	4.458	356.835	1102.3	
8/9/2012 12:01	4.477	358.35	1161.8	
8/9/2012 12:01	4.341	347.504	1221.1	
8/9/2012 12:01	4.379	350.533	1280	
8/9/2012 12:01	4.336	347.053	1338.1	
8/9/2012 12:02	4.231	338.689	1395.7	
8/9/2012 12:02	4.316	345.492	1452.7	
8/9/2012 12:02	4.244	339.686	1510.1	
8/9/2012 12:02	4.257	340.734	1567.4	
8/9/2012 12:02	4.211	337.076	1623.7	
8/9/2012 12:02	4.164	333.356	1679.4	
8/9/2012 12:03	4.172	333.948	1734.9	
8/9/2012 12:03	4.15	332.225	1790.2	
8/9/2012 12:03				
8/9/2012 12:03	4.027	322.319	1845.3	
8/9/2012 12:03	4.023	322.04	1898.7	
8/9/2012 12:03	4.055	324.613	1952.6	
8/9/2012 12:03	4.122	329.983	2007	
8/9/2012 12:04	3.991	319.479	2061.1	
8/9/2012 12:04	4.061	325.044	2114.7	
8/9/2012 12:04	4.111	329.075	2168.8	
8/9/2012 12:04	4.133	330.852	2223.5	
8/9/2012 12:04	4.02	321.831	2277.3	
8/9/2012 12:04	3.983	318.867	2330.9	
8/9/2012 12:05	3.999	320.127	2384.2	
8/9/2012 12:05	4.013	321.251	2438.1	
8/9/2012 12:05	4.11	329.015	2492.5	
8/9/2012 12:05	4.035	323.009	2546.9	
8/9/2012 12:05	4.041	323.457	2600.5	
8/9/2012 12:05	4.09	327.415	2654.7	
8/9/2012 12:06	4.018	321.595	2708.8	
8/9/2012 12:06	4.091	327.452	2763.4	
8/9/2012 12:06	4.139	331.316	2817.9	
8/9/2012 12:06	4.125	330.165	2873.3	
8/9/2012 12:06	4.115	329.401	2927.8	
8/9/2012 12:06	4.07	325.775	2982.1	
8/9/2012 12:07	4.061	325.079	3036.1	
8/9/2012 12:07	3.885	311.009	3089.4	
8/9/2012 12:07	3.926	314.279	3141	
8/9/2012 12:07	3.917	313.586	3193.4	
8/9/2012 12:07	3.868	309.594	3245.1	
8/9/2012 12:07	3.894	311.697	3297.4	
8/9/2012 12:08	3.92	313.755	3349.3	

375.791
+ 194.5427
570.3
1.27
CF5

5 'VELOCITY 'FLOW RAT'+TOTALIZER

	ft/s	gal/min	gal
8/9/2012 11:34	3.012	193.9206	99.624
8/9/2012 11:35	3.01	193.7804	292.789
8/9/2012 11:36	3.005	193.4478	486.723
8/9/2012 11:37	3.022	194.5427	679.102
8/9/2012 11:38	2.973	191.3906	871.068
8/9/2012 11:39	2.997	192.9474	1063.687
8/9/2012 11:40	2.983	192.0503	1257.797
8/9/2012 11:41	3.013	193.964	1450.712
8/9/2012 11:42	2.989	192.4739	1643.852
8/9/2012 11:43	3.001	193.2358	1837.136
8/9/2012 11:44	3	193.1687	2028.321

to SE
Pivot