

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 15-7255

Exam Date: 6/18/2014

1. Current Owner: GEORGE COUCH
690 N 300 E
MALAD ID 83252
(208)766-4002

And/Or

DEBRA COUCH
690 N 300 E
MALAD ID 83252
(208) 766 4002

2. Accompanied by: George Couch

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: 18 Shares from Deep Creek Irrigation Company
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

SE1/4NW1/4

Sec. 22, Twp 14S, Rge 36E, 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	36E	22					5.0	.5	2.2	2.0									9.7

Total Acres: 9.7

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>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</u> <u>Size</u>
	Submersible	7.5			

D. FLOW MEASUREMENTS

1.

<u>Measurement</u> <u>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	6/2014

2. Measurements: A ten minute flowmeter reading was performed. Maximum Instantaneous flow rate was 64.2 gpm or 0.14 cfs

E. FLOW CALCULATIONS

☒ Additional Computation Sheets Attached

Measured Method: Measured Flow = 0.14 CFS

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = 9.7 \text{ (Acres Irrigated)} \times 3.5 \text{ (Irrigation Requirement)} = 34 \text{ AF}$$

$$V_{D.R.} = .14 \text{ [Diversion Rate (cfs)]} \times 214 \text{ (Days in Irrigation season)} \times 1.9835 = 59 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 34 \text{ AF}$$

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, the pump was running one hand line with 8 birds and hand lines consisting of 7 birds. Field A is plumbed for wheelines and hand lines. Field B and C are plumbed for hand lines. (see attached map). Tax lot shapefile data is offset from the aerial photography. All irrigated land is owned by George Couch.

Amendment will be sent to correct for changes in the POD and POU.

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	34.00 AF
<u>Totals:</u>		0.140 CFS	34.00 AF

2. Recommended Amendments

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

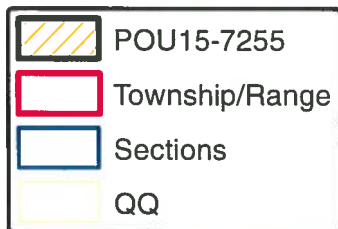
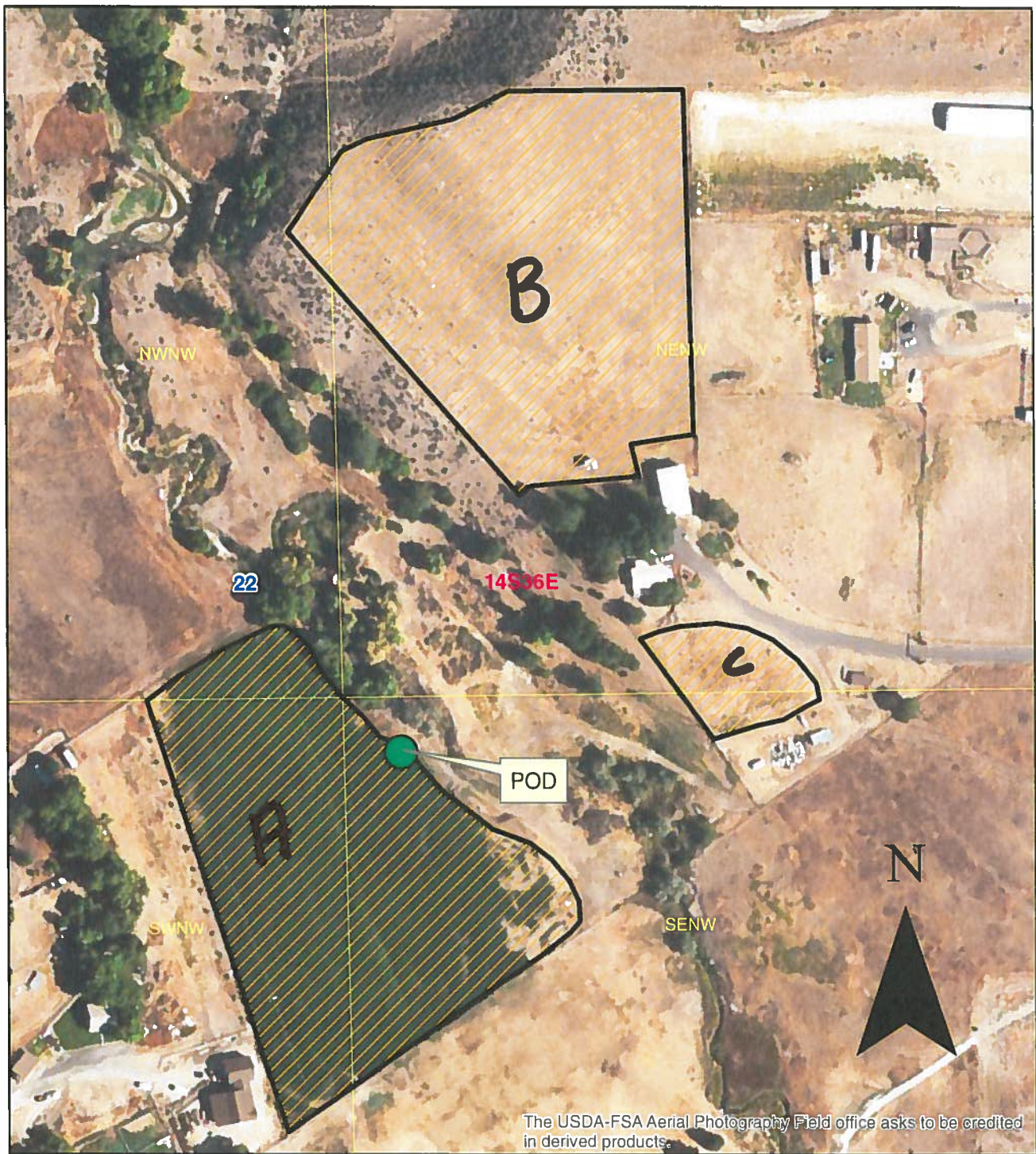
☐ Change P.U. as reflected above ☒ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name Scott Beggs Date 4-30-15

Reviewer _____ Date _____

Field Exam WR 15-7255

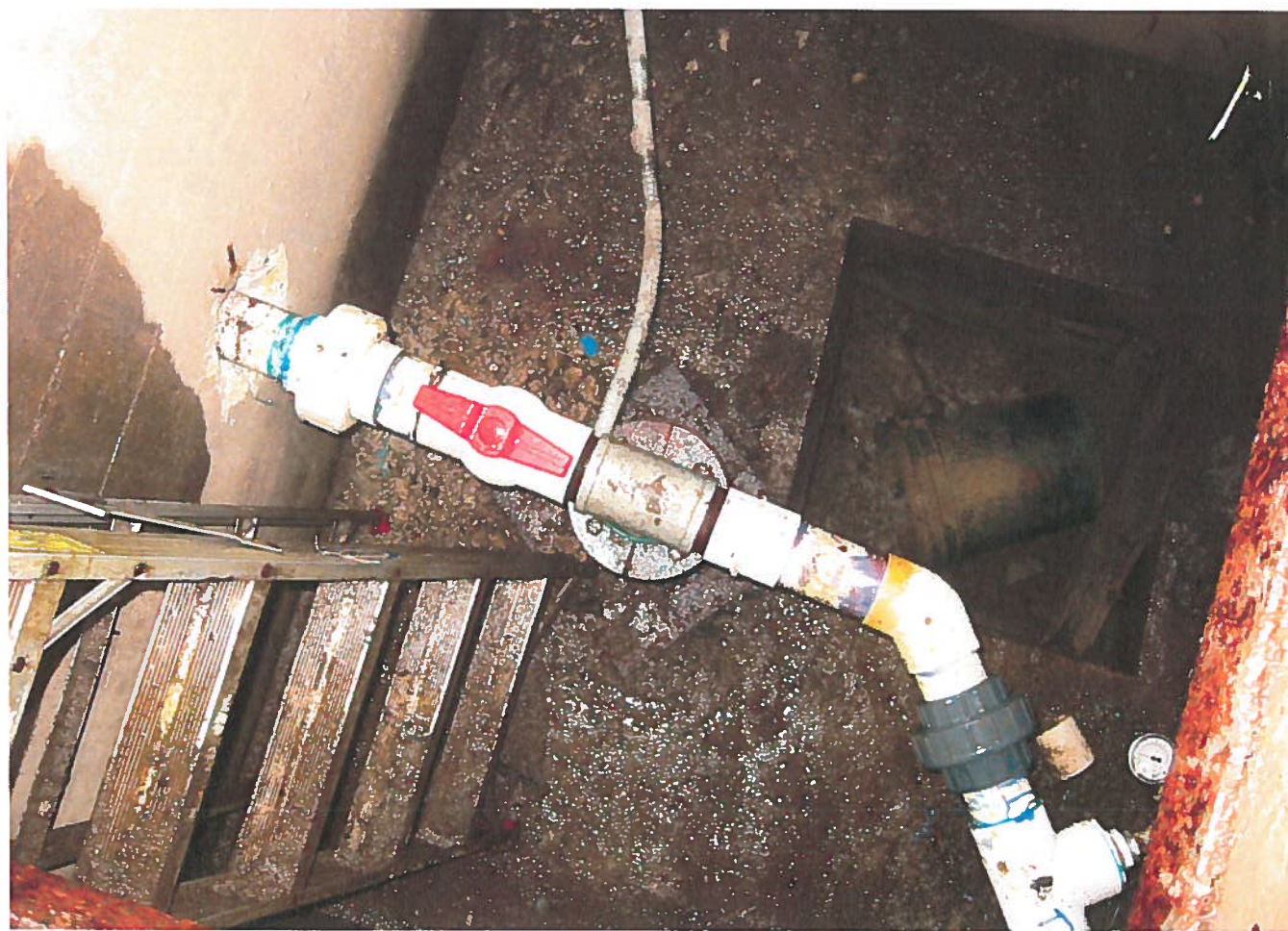


0 125 250 500 Feet

Onieda County
IDWR Basin 15

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







15-7255 'FLOW RATE 'TOTALIZER

6/18/2014 9:04	64.158	503.9	6/18/2014 9:11	63.425	475.3
6/18/2014 9:04	63.963	0	6/18/2014 9:11	63.435	486.1
6/18/2014 9:04	63.989	9.7	6/18/2014 9:12	63.623	496.9
6/18/2014 9:04	63.499	20.5	6/18/2014 9:12	63.714	507.3
6/18/2014 9:04	63.329	30.7	6/18/2014 9:12	63.571	518.1
6/18/2014 9:04	63.42	41.5	6/18/2014 9:12	64.066	528.7
6/18/2014 9:05	63.775	52.3	6/18/2014 9:12	63.096	539.1
6/18/2014 9:05	63.501	62.7	6/18/2014 9:12	63.848	549.9
6/18/2014 9:05	63.747	73.5	6/18/2014 9:13	63.597	560.1
6/18/2014 9:05	64.023	84.1	6/18/2014 9:13	63.727	570.9
6/18/2014 9:05	63.663	94.6	6/18/2014 9:13	63.234	581.6
6/18/2014 9:05	63.313	105.4	6/18/2014 9:13	63.876	591.8
6/18/2014 9:06	63.648	115.5	6/18/2014 9:13	63.591	602.6
6/18/2014 9:06	63.299	126.4	6/18/2014 9:13	63.907	613.5
6/18/2014 9:06	63.388	137.1	6/18/2014 9:14	63.671	623.7
6/18/2014 9:06	63.52	147.3	6/18/2014 9:14	63.517	634.5
6/18/2014 9:06	63.734	158.1	6/18/2014 9:14	63.497	645.3
6/18/2014 9:06	63.538	169	6/18/2014 9:14	63.47	655.7
6/18/2014 9:07	63.52	179.1	6/18/2014 9:14	63.534	666.4
6/18/2014 9:07	63.436	189.9	6/18/2014 9:14	63.755	677
6/18/2014 9:07	63.612	200.7	6/18/2014 9:15	63.735	687.4
6/18/2014 9:07	63.294	211	6/18/2014 9:15	63.825	698.3
6/18/2014 9:07	63.466	221.8	6/18/2014 9:15	63.784	708.5
6/18/2014 9:07	63.427	232.4	6/18/2014 9:15	63.527	719.3
6/18/2014 9:08	63.609	242.8	6/18/2014 9:15	63.667	730.2
6/18/2014 9:08	63.577	253.6	6/18/2014 9:15	63.758	740.4
6/18/2014 9:08	63.722	263.8	6/18/2014 9:16	63.408	751.2
6/18/2014 9:08	63.291	274.5	6/18/2014 9:16	63.588	762
6/18/2014 9:08	63.955	285.3	6/18/2014 9:16	63.551	772.2
6/18/2014 9:08	63.29	295.5	6/18/2014 9:16	63.844	782.9
6/18/2014 9:09	63.633	306.3	6/18/2014 9:16	63.737	793.8
6/18/2014 9:09	63.683	317.1	6/18/2014 9:16	63.84	804.2
6/18/2014 9:09	63.655	327.3	6/18/2014 9:17	63.414	815
6/18/2014 9:09	63.811	338.1	6/18/2014 9:17	63.723	825.6
6/18/2014 9:09	63.456	348.9	6/18/2014 9:17	63.413	829.3
6/18/2014 9:09	63.525	359.3	6/18/2014 9:17	63.332	829.3
6/18/2014 9:10	63.521	370.1	6/18/2014 9:17	63.28	829.3
6/18/2014 9:10	63.548	380.6	6/18/2014 9:17	63.733	829.3
6/18/2014 9:10	63.502	391	6/18/2014 9:18	63.826	829.3
6/18/2014 9:10	63.148	401.8	6/18/2014 9:18	63.687	829.3
6/18/2014 9:10	62.982	411.9	6/18/2014 9:18	63.45	829.3
6/18/2014 9:10	63.394	422.6	6/18/2014 9:18	63.632	829.3
6/18/2014 9:11	63.396	433.4	6/18/2014 9:18	63.762	829.3
6/18/2014 9:11	63.573	443.5	6/18/2014 9:18	63.89	829.3
6/18/2014 9:11	63.606	454.3	6/18/2014 9:19	63.88	829.3
6/18/2014 9:11	63.455	465.1	6/18/2014 9:19	63.952	829.3

6/18/2014 9:19	63.562	829.3	6/18/2014 9:27	63.67	829.3
6/18/2014 9:19	63.459	829.3	6/18/2014 9:27	63.744	829.3
6/18/2014 9:19	63.562	829.3	6/18/2014 9:27	63.632	829.3
6/18/2014 9:19	63.447	829.3	6/18/2014 9:27	63.609	829.3
6/18/2014 9:20	63.116	829.3	6/18/2014 9:27	63.489	829.3
6/18/2014 9:20	63.412	829.3	6/18/2014 9:27	63.812	829.3
6/18/2014 9:20	63.417	829.3	6/18/2014 9:28	63.914	829.3
6/18/2014 9:20	63.637	829.3	6/18/2014 9:28	63.938	829.3
6/18/2014 9:20	63.533	829.3	6/18/2014 9:28	63.794	829.3
6/18/2014 9:20	63.643	829.3	6/18/2014 9:28	64.072	829.3
6/18/2014 9:21	63.628	829.3	6/18/2014 9:28	63.885	829.3
6/18/2014 9:21	63.659	829.3			
6/18/2014 9:21	63.848	829.3		gal/min	gal
6/18/2014 9:21	63.676	829.3			
6/18/2014 9:21	63.639	829.3			
6/18/2014 9:21	63.718	829.3			
6/18/2014 9:22	63.827	829.3			
6/18/2014 9:22	63.769	829.3			
6/18/2014 9:22	63.892	829.3			
6/18/2014 9:22	63.856	829.3			
6/18/2014 9:22	63.935	829.3			
6/18/2014 9:22	63.915	829.3			
6/18/2014 9:23	63.331	829.3			
6/18/2014 9:23	63.498	829.3			
6/18/2014 9:23	63.346	829.3			
6/18/2014 9:23	63.559	829.3			
6/18/2014 9:23	63.6	829.3			
6/18/2014 9:23	63.683	829.3			
6/18/2014 9:24	63.68	829.3			
6/18/2014 9:24	64.048	829.3			
6/18/2014 9:24	63.809	829.3			
6/18/2014 9:24	63.775	829.3			
6/18/2014 9:24	63.506	829.3			
6/18/2014 9:24	63.629	829.3			
6/18/2014 9:25	63.624	829.3			
6/18/2014 9:25	63.463	829.3			
6/18/2014 9:25	63.454	829.3			
6/18/2014 9:25	63.614	829.3			
6/18/2014 9:25	63.854	829.3			
6/18/2014 9:25	63.379	829.3			
6/18/2014 9:26	63.637	829.3			
6/18/2014 9:26	63.872	829.3			
6/18/2014 9:26	63.915	829.3			
6/18/2014 9:26	63.92	829.3			
6/18/2014 9:26	63.807	829.3			
6/18/2014 9:26	63.488	829.3			