

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 15-7230

Exam Date: 7/30/2014

1. Current Owner: THAYNE O DANIELS
537 BANNOCK ST
MALAD CITY ID 83252
(208) 766-3010
2. Accompanied by: Thayne O Daniels
Relationship to Permit Holder: Same

3. **SOURCE** **TRIBUTARY**
GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use:

The license holder has 22.5 shares in St. John's Irrigation Company. The entire POU is within MVI service area, with the exception of SWNE of Section 36, but the applicant has no shares in MVI.

A majority of this license's POU, with the exception of the E1/2 SE1/4 of Section 25, is covered by portions of three water rights from the Little Malad River. Those rights are numbered 15-72A, 15-74, and 15-75. These surface water rights are no longer used on the 170 acres described below and are only used to flood ground immediately west of the 170 acres.

There are no other groundwater rights in the POU.

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 SW1/4SE1/4 Sec. 25, Twp 14S, Rge 35E, B.M.
ONEIDA County

Method of Determination: GPS and ArcMap.

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	35E	25													5.0		16.0	40.0	61.0
14S	35E	36	38.0	25.0	30.0	14.0										2.0			109.0

Total Acres: 170

Method of Determination: Meeting with appropriator, and ArcMap

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. **Well/Diversion Information**

100 HP pump

D. FLOW MEASUREMENTS

1. **Measurement Equipment**
Fuji Portaflow C

2. Measurements:

1432.66 gpm, system max

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

$$(1432.66 \text{ gpm/system}) / (448.83 \text{ gpm/cfs}) = 3.19 \text{ cfs/system}$$

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 170 \text{ acres} \times 3.5 \text{ af/acre} = 595 \text{ AF}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 3.19 \text{ cfs} \times 214 \text{ days} \times 1.9835 = 1354.06 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 595 \text{ AF}$$

2. Volume Calculations for Other Uses:

N/A

G. NARRATIVE/REMARKS/COMMENTS

System consists of one pivot and three wheel lines. Runs either 2 wheel lines and pivot, or all three wheel lines at one time. At the time of visit, license-holder had developed this water right on ~185 acres of ground, including an extra 15 acres in the NESE of Section 25 not included in this license.

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	3.190 CFS	595.00 AF
<u>Totals:</u>		3.190 CFS	595.00 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 Cooper Fritz Date 3/25/2015

Reviewer _____ Date _____

	4 'VELOCITY	'FLOW RATE	'+TOTALIZER
	ft/s	gal/min	gal
6/24/2014 13:10	5.818	1378.6012	0
6/24/2014 13:10	5.856	1387.6155	226.576
6/24/2014 13:10	5.932	1405.6828	457.551
6/24/2014 13:10	5.956	1411.2465	692.119
6/24/2014 13:10	6.023	1427.1322	926.392
6/24/2014 13:10	5.833	1382.2513	1161.623
6/24/2014 13:11	5.84	1383.7389	1393.944
6/24/2014 13:11	5.931	1405.3126	1624.863
6/24/2014 13:11	6.046	1432.6603	1862.088
6/24/2014 13:11	5.911	1400.6003	2096.27
6/24/2014 13:11	5.845	1385.0701	2327.871
6/24/2014 13:11	5.937	1406.679	2561.022
6/24/2014 13:12	5.857	1387.8145	2792.297
6/24/2014 13:12	5.873	1391.677	3023.58
6/24/2014 13:12	5.895	1396.7946	3254.473
6/24/2014 13:12	5.828	1380.9644	3486.051
6/24/2014 13:12	5.839	1383.5908	3714.779
6/24/2014 13:12	5.814	1377.5949	3944.254
6/24/2014 13:13	5.763	1365.5915	4174.555
6/24/2014 13:13	5.741	1360.2409	4401.429
6/24/2014 13:13	6.005	1422.7816	4633.353
6/24/2014 13:13	5.873	1391.599	4869.377
6/24/2014 13:13	5.849	1386.0526	5105.535
6/24/2014 13:13	5.827	1380.6067	5334.682
6/24/2014 13:14	5.899	1397.8128	5565.007
6/24/2014 13:14	5.871	1391.1726	5800.246
6/24/2014 13:14	5.859	1388.4049	6032.411
6/24/2014 13:14	5.885	1394.3846	6263.967
6/24/2014 13:14	5.891	1395.8966	6496.462
6/24/2014 13:14	5.746	1361.5595	6727.442
6/24/2014 13:15	5.734	1358.628	6954.523
6/24/2014 13:15	5.863	1389.2484	7182.831
6/24/2014 13:15	5.852	1386.7543	7414.781
6/24/2014 13:15	5.868	1390.4262	7646.879
6/24/2014 13:15	5.939	1407.1807	7881.442
6/24/2014 13:15	5.887	1394.9575	8112.467
6/24/2014 13:16	5.825	1380.3598	8343.577
6/24/2014 13:16	5.985	1418.237	8574.933
6/24/2014 13:16	5.822	1379.5835	8805.088
6/24/2014 13:16	5.748	1361.9498	9034.254
6/24/2014 13:16	5.941	1407.8449	9267.76
6/24/2014 13:16	5.958	1411.8379	9499.28
6/24/2014 13:17	5.838	1383.2759	9731.843
6/24/2014 13:17	5.808	1376.2726	9960.864
6/24/2014 13:17	5.735	1358.9793	10190.442

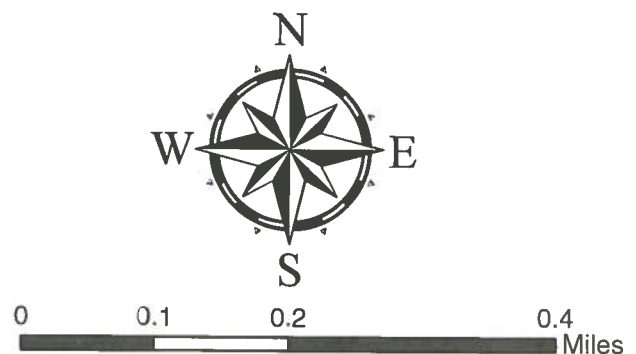
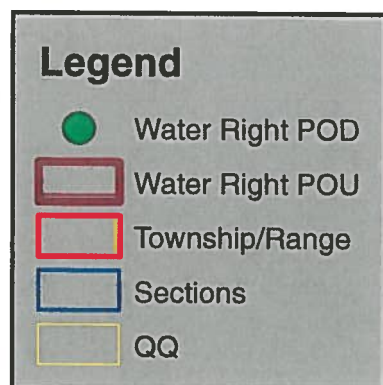
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6/24/2014 13:17	5.804	1375.1923	10650.364
6/24/2014 13:17	5.889	1395.4283	10879.334
6/24/2014 13:18	5.857	1387.8002	11112.761
6/24/2014 13:18	5.835	1382.5744	11343.281
6/24/2014 13:18	5.783	1370.4093	11569.468
6/24/2014 13:18	5.917	1402.1536	11800.806
6/24/2014 13:18	5.803	1374.9449	12030.096
6/24/2014 13:18	5.907	1399.6106	12261.986
6/24/2014 13:19	5.911	1400.5472	12495.345
6/24/2014 13:19	5.869	1390.6918	12727.739
6/24/2014 13:19	5.954	1410.8939	12961.579
6/24/2014 13:19	5.975	1415.674	13196.171
6/24/2014 13:19	5.774	1368.2353	13426.834
6/24/2014 13:19	5.871	1391.1837	13660.707
6/24/2014 13:20	5.765	1365.9373	13890.636



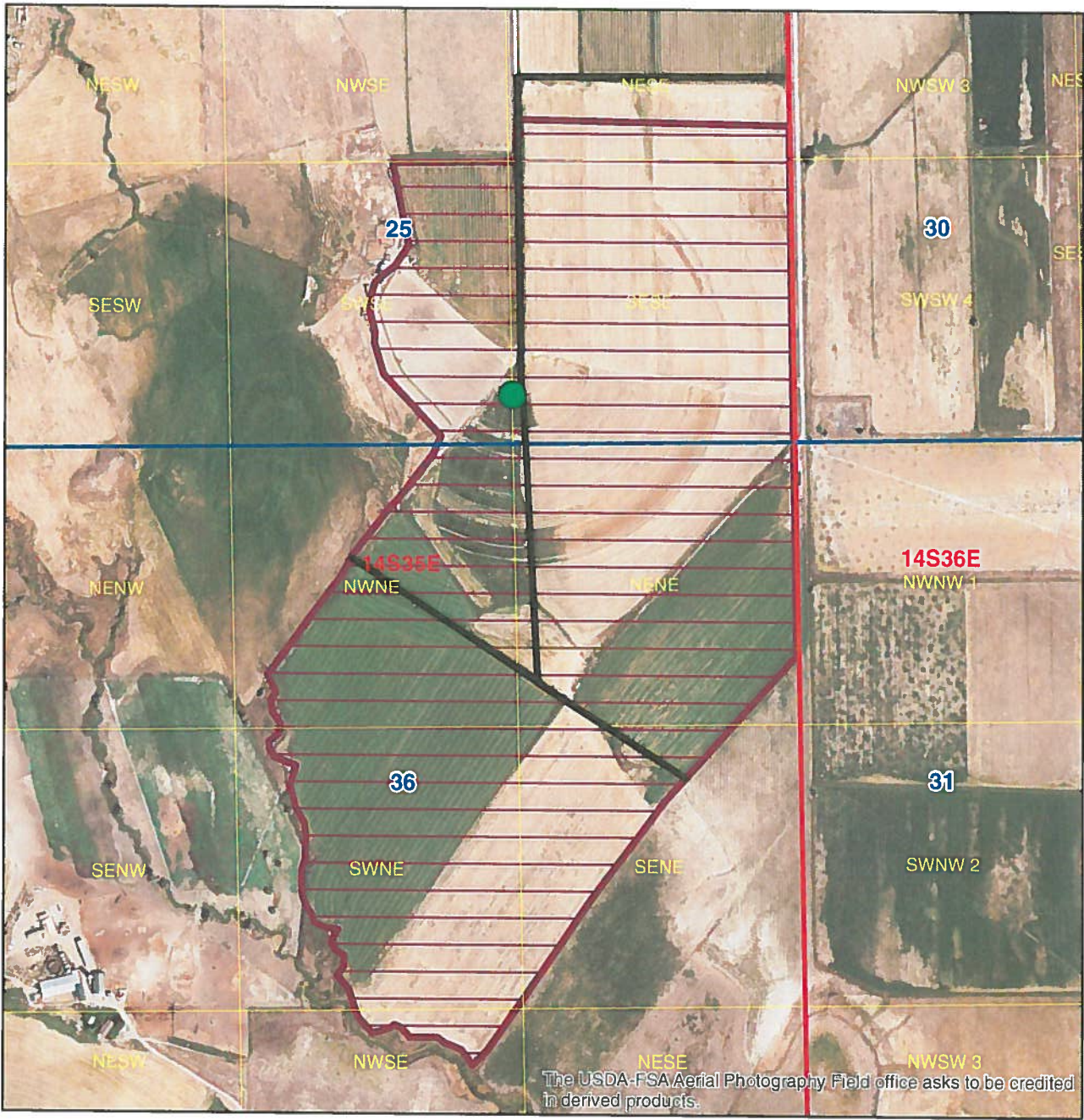
15-7230 POD and POU



2013 Imagery



15-7230 Mainline Location, POD, and POU



2013 Imagery

