

[illegible]

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. **Well/Diversion Information**

One well, two pumps: one 25 hp for irrigation, one 3 hp for domestic

1. **Measurement Equipment**

Fuji Portaflow C

2. **Measurements:**

128.89 gpm/system

E. FLOW CALCULATIONS

_____Additional Computation Sheets Attached

$$128.89 \text{ gpm} / 448.83 \text{ gpm/min/cfs} = 0.29 \text{ cfs}$$

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 17 \text{ acres} \times 3.5 \text{ AF/acre} = 59.5 \text{ AF}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.29 \times 214 \times 1.9835 = 123.1 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 59.5 \text{ AF}$$

2. Volume Calculations for Other Uses: In-house domestic: 0.6 AF

G. NARRATIVE/REMARKS/COMMENTS

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	0.290 CFS	59.50 AF
DOMESTIC	01/01 to 12/31	0.040 CFS	0.60 AF
<u>Totals:</u>		0.290 CFS	60.10 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 _____ 3/9/2015 _____

Reviewer _____ Date _____

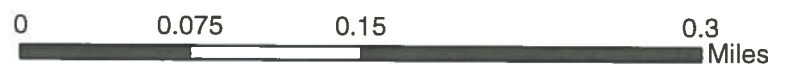
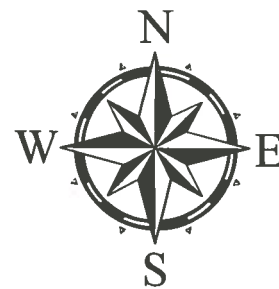
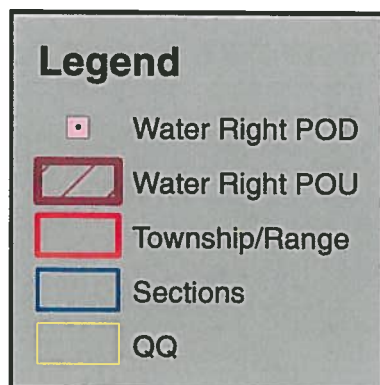
	4 'VELOCITY ft/s	'FLOW RATE gal/min	'+TOTALIZER gal
5/20/2014 15:42	1.337	116.8066	0
5/20/2014 15:42	1.331	116.2889	19.1
5/20/2014 15:42	1.359	118.7206	38.81
5/20/2014 15:42	1.345	117.4751	58.537
5/20/2014 15:42	1.299	113.4972	78.133
5/20/2014 15:42	1.348	117.7624	96.164
5/20/2014 15:43	1.364	119.0917	116.33
5/20/2014 15:43	1.379	120.4207	136.468
5/20/2014 15:43	1.382	120.7387	157.039
5/20/2014 15:43	1.403	122.5489	177.445
5/20/2014 15:43	1.395	121.8273	198.164
5/20/2014 15:43	1.384	120.8859	217.57
5/20/2014 15:44	1.369	119.5384	237.601
5/20/2014 15:44	1.38	120.5205	257.866
5/20/2014 15:44	1.353	118.1378	278.426
5/20/2014 15:44	1.392	121.5481	298.259
5/20/2014 15:44	1.422	124.1804	319.258
5/20/2014 15:44	1.429	124.7655	339.17
5/20/2014 15:45	1.476	128.8981	360.061
5/20/2014 15:45	1.445	126.1658	381.114
5/20/2014 15:45	1.392	121.5585	402.25
5/20/2014 15:45	1.436	125.4576	422.611
5/20/2014 15:45	1.415	123.5726	443.815
5/20/2014 15:45	1.426	124.5237	463.197
5/20/2014 15:46	1.376	120.1869	484.04
5/20/2014 15:46	1.387	121.1399	504.22
5/20/2014 15:46	1.409	123.0519	524.734
5/20/2014 15:46	1.381	120.5745	544.987
5/20/2014 15:46	1.427	124.6294	565.454
5/20/2014 15:46	1.426	124.5444	586.689
5/20/2014 15:47	1.41	123.1794	607.065
5/20/2014 15:47	1.414	123.53	627.639
5/20/2014 15:47	1.404	122.6051	648.093
5/20/2014 15:47	1.438	125.5499	668.909
5/20/2014 15:47	1.462	127.6592	690.248
5/20/2014 15:47	1.446	126.3131	711.219
5/20/2014 15:48	1.431	124.9961	731.407
5/20/2014 15:48	1.441	125.8125	752.271
5/20/2014 15:48	1.427	124.6099	773.058
5/20/2014 15:48	1.434	125.2122	793.851
5/20/2014 15:48	1.429	124.7763	814.827
5/20/2014 15:48	1.445	126.2177	836.145
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5/20/2014 15:49	1.441	125.8228	878.248
5/20/2014 15:49	1.452	126.8113	899.436

5/20/2014 15:49	1.402	122.4888	920.177
5/20/2014 15:49	1.409	123.0585	941.295
5/20/2014 15:49	1.428	124.7136	962.03
5/20/2014 15:50	1.398	122.0942	981.712
5/20/2014 15:50	1.423	124.3052	1002.328
5/20/2014 15:50	1.363	119.076	1022.459
5/20/2014 15:50	1.369	119.5615	1042.592
5/20/2014 15:50	1.4	122.3018	1062.666
5/20/2014 15:50	1.391	121.5263	1083.409
5/20/2014 15:51	1.401	122.3705	1103.818
5/20/2014 15:51	1.39	121.3815	1124.142
5/20/2014 15:51	1.356	118.4163	1144.095
5/20/2014 15:51	1.401	122.3363	1164.158
5/20/2014 15:51	1.392	121.5839	1184.744
5/20/2014 15:51	1.385	120.922	1204.999
5/20/2014 15:52	1.36	118.7783	1223.818

15-7271 POD and POU



2013 Imagery



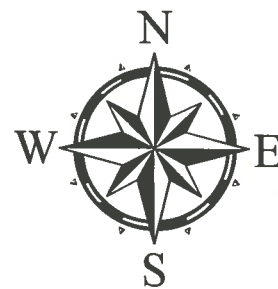
15-7271 Mainline Location, POD, and POU



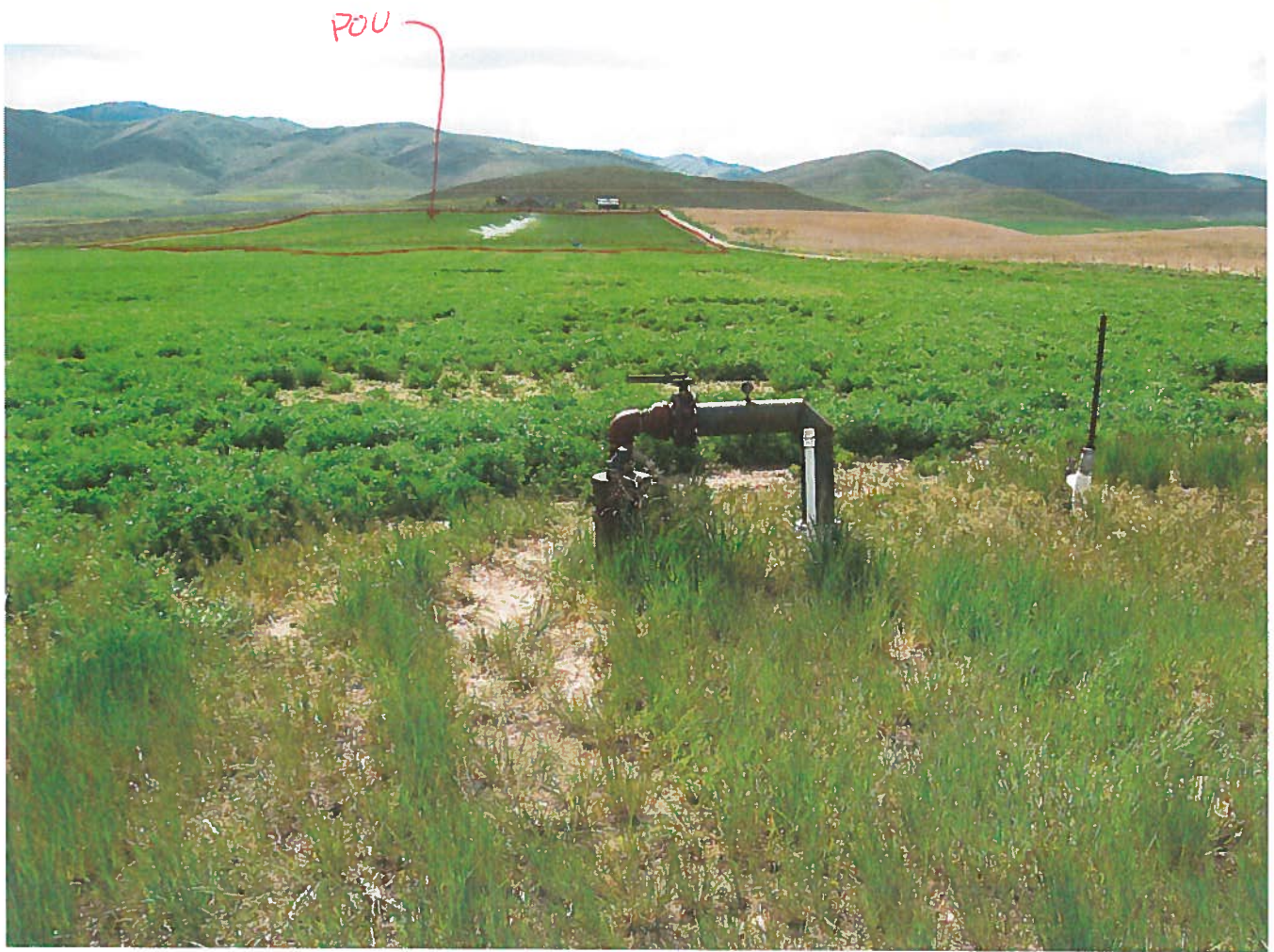
2013 Imagery

Legend

- Mainline
- Water Right POD
- Water Right POU
- Township/Range
- Sections
- QQ



0 0.075 0.15 0.3 Miles



15-7271 POU & POU