

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 15-7176

Exam Date: 7/30/2014

1. Current Owner: TIMOTHY R WILLIE
3585 W HWY 38
MALAD CITY ID 83252
(208)766-4927
2. Accompanied by: Timothy Willie
Phone No: (208) 766-4927
Address: 3585 W HWY 38 MALAD CITY IDAHO 83252
Relationship to Permit Holder: SAME

3. SOURCE TRIBUTARY
GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 15-4061, a statutory claim *from the Little Malad River*
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 L5 SW1/4NW1/4 Sec. 6, Twp 15S, Rge 36E, B.M.
ONEIDA County

Method of Determination: GPS and ArcMap

2.

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	
15S	36E	6			3.3				35.9	35.0	38.4	32.2							144.8
									L 5				L 6						

Total Acres: 144.8

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 or Diversion**ID No.*****Motor Make****Hp****Motor Serial No.****Pump Make****Pump Serial No. or Discharge Size**

75 HP Motor

D. FLOW MEASUREMENTS

1.

Measurement**Equipment****Type****Make****Model No.****Serial No.****Size****Calib. Date**

Fuji Portaflow C Flow Meter

2. Measurements:

959.16 gpm

E. FLOW CALCULATIONS

Measured Method:

 Additional Computation Sheets Attached

959.16 gpm / 448.84 gpm/cfs = 2.14 cfs

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 144.8 \text{ acres} \times 3.5 \text{ af/acre} = 506.8 \text{ af}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 2.14 \times 214 \times 1.9835 = 908.36 \text{ af}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 506.8 \text{ af}$$

2. Volume Calculations for Other Uses: N/A

G. NARRATIVE/REMARKS/COMMENTS

The system is one pump, one pivot with a corner arm and end gun. The pump is 75 hp. The mainline is 10 inches, there are no canal shares or stock associated with the system. *No animals are supplied water from this well.*

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	2.140 CFS	506.80 AF
<u>Totals:</u>		2.140 CFS	506.80 AF

2. Recommended Amendments

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

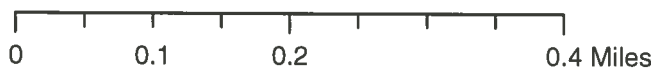
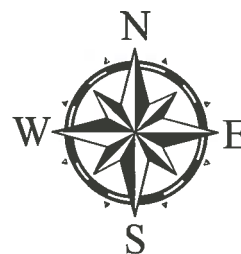
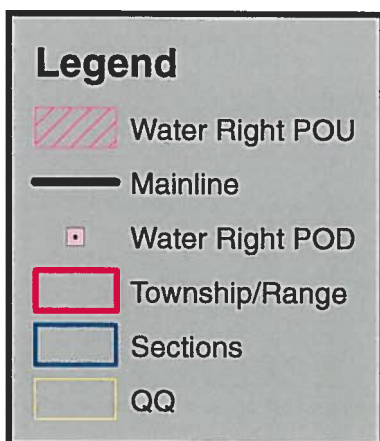
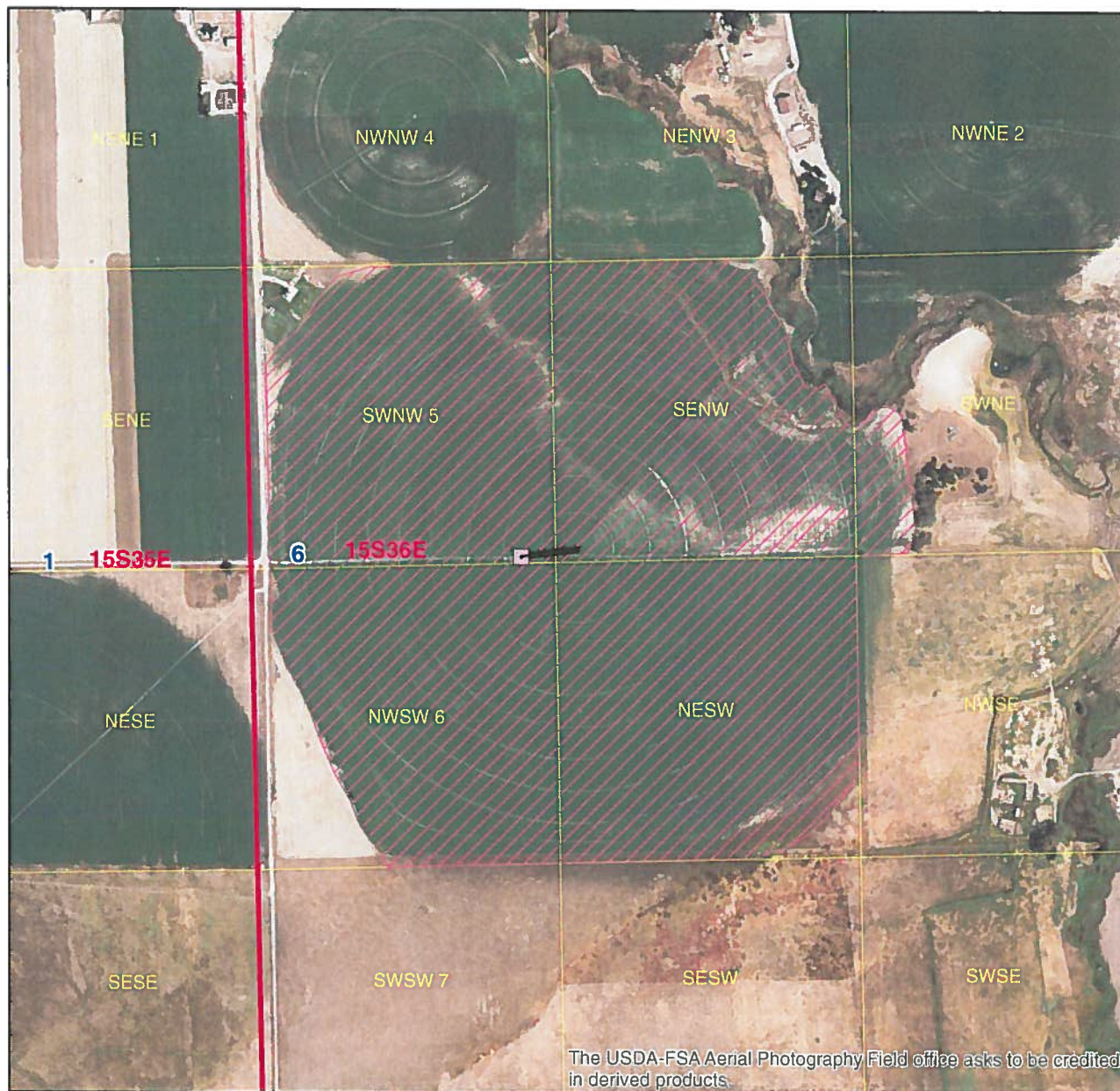
☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name Cooper Foitz Date 2/3/15

Reviewer _____ Date _____

15-7176 Licensing Exam -- POU, POD, Mainline Location





	4 'VELOCITY ft/s	'FLOW RATE gal/min	'+TOTALIZER gal
7/1/2014 14:27	3.689	859.5994	0
7/1/2014 14:27	3.731	869.4177	142.305
7/1/2014 14:27	3.711	864.8419	289.389
7/1/2014 14:27	3.842	895.3994	435.435
7/1/2014 14:27	3.788	882.6639	582.353
7/1/2014 14:27	3.851	897.3256	729.751
7/1/2014 14:28	3.718	866.3357	877.662
7/1/2014 14:28	3.844	895.7728	1027.111
7/1/2014 14:28	3.798	885.0401	1174.933
7/1/2014 14:28	3.821	890.4435	1319.266
7/1/2014 14:28	3.821	890.4569	1470.508
7/1/2014 14:28	3.914	912.1445	1618.642
7/1/2014 14:29	4.017	936.1258	1769.416
7/1/2014 14:29	3.794	884.1352	1918.994
7/1/2014 14:29	3.811	888.1394	2065.894
7/1/2014 14:29	3.74	871.587	2211.911
7/1/2014 14:29	3.753	874.6493	2359.584
7/1/2014 14:29	3.807	887.2591	2508.204
7/1/2014 14:30	3.654	851.4509	2651.552
7/1/2014 14:30	3.95	920.4288	2801.536
7/1/2014 14:30	3.587	835.8575	2947.486
7/1/2014 14:30	3.861	899.7972	3094.059
7/1/2014 14:30	4.005	933.1784	3245.676
7/1/2014 14:30	3.825	891.2929	3398.956
7/1/2014 14:31	3.534	823.6227	3541.405
7/1/2014 14:31	3.65	850.6653	3679.257
7/1/2014 14:31	3.961	922.9831	3827.546
7/1/2014 14:31	3.792	883.7129	3974.238
7/1/2014 14:31	3.765	877.4732	4119.693
7/1/2014 14:31	3.732	869.724	4266.579
7/1/2014 14:32	4.116	959.1568	4415.582
7/1/2014 14:32	3.901	909.1062	4570.995
7/1/2014 14:32	4.045	942.5894	4727.83
7/1/2014 14:32	3.862	899.9603	4880.741
7/1/2014 14:32	3.671	855.4217	5024.097
7/1/2014 14:32	3.777	880.2672	5169.323
7/1/2014 14:33	3.659	852.6611	5314.677
7/1/2014 14:33	3.824	891.1598	5461.051
7/1/2014 14:33	3.748	873.3019	5605.722
7/1/2014 14:33	3.842	895.257	5752.04
7/1/2014 14:33	3.813	888.4581	5900.022
7/1/2014 14:33	4.045	942.6106	6050.152
7/1/2014 14:34	3.983	928.2618	6205.249
7/1/2014 14:34	3.777	880.2377	6353.383
7/1/2014 14:34	3.815	889.0333	6499.669

7/1/2014 14:34	3.767	877.846	6647.984
7/1/2014 14:34	4.073	949.0792	6800.363
7/1/2014 14:34	3.721	867.0727	6950.269
7/1/2014 14:35	3.953	921.0834	7103.756
7/1/2014 14:35	3.75	873.9296	7253.394
7/1/2014 14:35	3.9	908.9276	7402.655
7/1/2014 14:35	3.954	921.4818	7555.443
7/1/2014 14:35	3.748	873.3788	7709.172
7/1/2014 14:35	3.81	887.8677	7855.165
7/1/2014 14:36	3.716	865.9677	8000.947
7/1/2014 14:36	3.757	875.4145	8146.608
7/1/2014 14:36	3.829	892.2536	8297.159
7/1/2014 14:36	3.796	884.6092	8446.224
7/1/2014 14:36	3.598	838.5289	8588.321
7/1/2014 14:36	3.666	854.3442	8731.424
7/1/2014 14:37	3.883	904.8157	8875.76