

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 15-7130

Exam Date: 7/30/2014

1. Current Owner: CARL R WILLIE
PO BOX 73
MALAD CITY ID 83252
(208)766-4573

G PAUL WILLIE
PO BOX 73
MALAD CITY ID 83252
(208)766-4573
2. Accompanied by: Tim Willie
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: 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 NE1/4NW1/4 Sec. 28, Twp 14S, 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
14S 36E 28	<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>	
		1.1			15.9												17.0

Total Acres: 17

Method of Determination: Field exam 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.

<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>
--	-------------------	-----------	-------------------------	------------------	--

Submerged 10 HP pump

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>
--	-------------	-------------	------------------	-------------------	-------------	--------------------

Fuji Portaflow C Flow Meter

2. Measurements:

23.68 gpm on pressurized line of five sprinklers: $23.68 \text{ gpm} / 5 \text{ sprinklers} = 4.74 \text{ gpm/sprinkler}$, continued below.

E. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method:

System has 30 sprinklers. $4.74 \text{ gpm/sprinkler} \times 30 \text{ sprinkler/system} = 142.20 \text{ gpm/system}$
 $142.20 \text{ gpm/system} / 448.83 \text{ gpm/cfs} = 0.32 \text{ cfs}$ for the system

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

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

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.32 \text{ cfs} \times 214 \text{ days} \times 1.9835 = 135.83$$

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

2. Volume Calculations for Other Uses:

N/A

G. NARRATIVE/REMARKS/COMMENTS

Submerged 10 hp pump, buried mainline. 30 sprinklers run on 3 sets of handlines. I attempted to take a measurement on each set of handlines, however, one set had a leak at the valve, allowing air into the pipe making a reading impossible. I measured a pressurized set of five sprinklers.

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	0.320 CFS	59.50 AF
<u>Totals:</u>		0.320 CFS	59.50 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 Wayne C. Fu Date 12/18/2014

Reviewer _____ Date _____

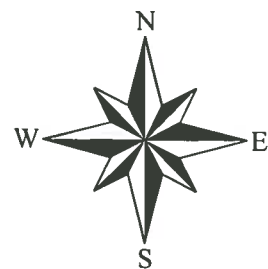


Water Right 15-7130 POU and POD



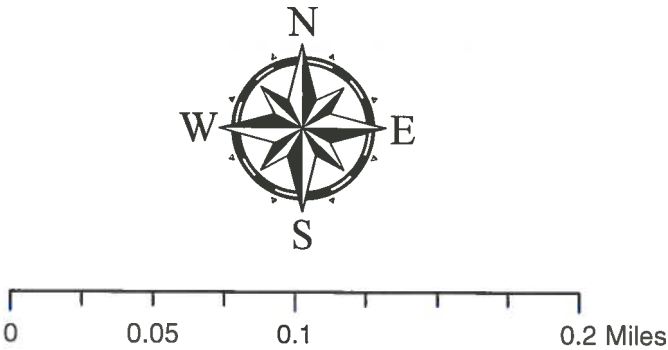
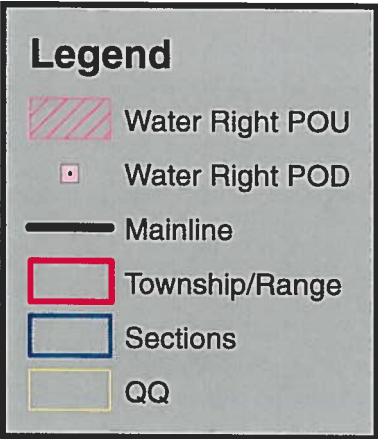
Legend

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



0 0.0325 0.065 0.13 Miles

15-7130 Licensing Exam -- POU, POD, Mainline Location



10/31/2014

<u>Owner Type</u>	<u>Name and Address</u>
Current Owner	CARL R WILLIE PO BOX 73 MALAD CITY, ID 83252 (208)766-4573

Current Owner G PAUL WILLIE
PO BOX 73
MALAD CITY, ID 83252
(208)766-4573

Status: Active

Tributary

Volume

0.420 CFS

GROUND WATER

NENW

Sec. 28, Twp 14S, Rge 36E, ONEIDA County

IRRIGATION within ONEIDA County

			NE				NW				SW				SE				
Twp	Rng	Sec	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Totals
14S	36E	28		2.0			19.0												21.0

POU Total Acres: 21.0

1.	03A	The rate of diversion of water for irrigation under this right and all other water rights on the same land shall not exceed 0.02 cubic feet per second for each acre of land.
2.	01G	Prior to the diversion of water under this right a flow measurement port or other device as specified by the Department shall be installed to provide for the installation of measuring equipment and the determination of the rate of diversion by the Department.
3.	046	Right holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code.
4.	26A	Project construction shall commence within one year from the date of permit issuance and shall proceed diligently to completion unless it can be shown to the satisfaction of the Director of the Department of Water Resources that delays were due to circumstances over which permit holder had no control.

1.	ANDREGG	7/13/1994	Proof of Beneficial Use Rcvd
----	---------	-----------	------------------------------

IDAHO DEPARTMENT OF WATER RESOURCES
Proof Report

10/31/2014

Proof of Beneficial Use Rcvd

2.	VAULT Lapse Notice Sent	10/4/1994	Lapse Notice Sent
3.	VAULT Proof of Beneficial Use Rcvd	10/12/1994	Proof of Beneficial Use Rcvd
4.	VAULT Proof of Beneficial Use Rcvd	10/20/1994	Proof of Beneficial Use Rcvd

Dates and Other Information

Permit Proof Due Date: 10/1/1994
Permit Proof Made Date: 10/12/1994
Permit Approved Date: 11/8/1991
Field Exam Date: 7/30/2014
Mitigation Plan: False

Combined Use Limits

N/A

Verification Log

SubCase:

N/A

Water Supply Bank:

N/A