

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 36-8242

Exam Date: 3/19/2013

1. Current Owner: WENDELL CEMETERY DISTRICT
C/O PAUL ISAACSON
PO BOX 71
WENDELL ID 83355
(208)536-6187

2. Accompanied by: Paul Isaacson
Phone No: (208)536-6187
Relationship to Permit Holder: Operator

3. **SOURCE**

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: **City of Wendell's Municipal rights (36-7722, 36-8421, 36-8764, 36-11276 and 36-11277) and various canal company surface rights.**

2. Other water rights with the same point of diversion: **None**

C. DIVERSION AND DELIVERY SYSTEM1. **LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER

NW1/4SW1/4

Sec. 33, Twp 07S, Rge 15E, B.M.

GOODING County

Method of Determination: GPS at time of field exam.

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	
07S	15E	33									9.3	0.7							10.0

Total Acres: 10

Method of Determination: 2011 aerial imagery.

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 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 Size</u>
A0017838	GE	20			3 inch mainline

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.

<u>Measurement Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
Panametrics	Polysonic	PT878	277960	3 inch		9/11/2012

2. Measurements:

A flow measurement of 185.5 gpm or 0.4 cfs was recorded on 9/11/2012 but this exceed the limits (0.2 cfs) of the permit. **Recommend the permitted flow rate of 0.2 cfs for this license.**

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 10 \text{ acres} \times 4 \text{ AF} = 40 \text{ AF}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.2 \text{ cfs} \times 246 \text{ days} \times 1.9835 = 97.6 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 40 \text{ AF}$$

2. Volume Calculations for Other Uses: **NA****Recommended volume for irrigation is 40 AF.****G. NARRATIVE/REMARKS/COMMENTS**

Application for permit 36-8242 was filed on March 2, 1989 to appropriate up to 0.2 cfs of groundwater for the irrigation of 10 acres in the Wendell Cemetery. The permit was approved on 3/22/2012. Proof of Beneficial use was filed on March 14, 2013. (see file for memo dated January 18, 2012 per Jeff Peppersack for the lapse in timeline)

The system consists of one existing well (A0017383) with a 20 HP pump, a three inch mainline and 26-28 sets of handlines. On 9/11/2012 a measurement indicated that the system has the capacity to pump at a rate of 0.4 cfs, the permit only allows for 0.2 cfs. **Recommend the permitted flow of 0.2 cfs.**

Volume was calculated with the IDWR standard irrigation volume of 4 acre foot per acre. **Recommend a volume of 40 AF for irrigation.**

Notes, during the field exam it was discovered that the SWSW of Section 33 is part of the place of use therefore an amendment was filed to add this tract to the license. All conditions of the permit have been met and Wendell Cemetery has joined NSGWD for the required mitigation.

Have conditions of permit approval been met? X 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	03/15 to 11/15	0.200 CFS	40 AF
	<u>Totals:</u>	0.200 CFS	40AF

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 Sara Beeder
Date 9/12/13

Reviewer [Signature]
Date 10/7/13

A0017838



← Flow meter

Place of Use



North Snake Ground Water District
152 E. Main Street
Jerome, ID 83338-2333

Phone # 208-324-8995

Invoice

Date	Invoice #
4/3/2013	570

Bill To
Wendell Cemetery Dist. P.O. Box 71 Wendell, ID 83355

PAID
04/12/2013

Due Date
4/3/2013

Description	Amount
2010 Annual Assessment- WR# 36-8242 - .2 cfs -Small User fee=\$75 + \$75 measurement fee	150.00
2011 Annual Assessment- WR# 36-8242 - .2 cfs -Small User fee=\$75 + \$75 measurement fee	150.00
2012 Annual Assessment- WR# 36-8242 - .2 cfs -Small User fee=\$75 + \$75 measurement fee	150.00
Please remit to above address.	
Total	\$450.00

Block, Darla

From: Yenter, Cindy
Sent: Thursday, May 02, 2013 10:27 AM
To: Block, Darla
Subject: FW: Wendell Cemetery Permit #36-8242



Inv_570_from_Nort
h_Snake_Groun...

Darla, attached is a paid invoice from North Snake GWD to Wendell Cemetery District. This provides sufficient evidence of participation in mitigation and you should now be able to process the proof.

Let me know if you have questions. Thanks for keeping track of this!

Cindy

From: Block, Darla
Sent: Wednesday, May 01, 2013 5:59 PM
To: Yenter, Cindy
Subject: Wendell Cemetery Permit #36-8242

Cindy,

On April 4, 2013, you sent Shelley an email stating that Paul Isaacson had contacted North Snake GWD and would pay the bill for mitigation. You stated that you would forward the mitigation plan to Shelley when you get the documentation of payment.

We received the proof statement on March 14, 2013, before the proof due date of April 01, 2013. However I gave them (30) days from the date of my letter which ends today. In my letter I quoted permit condition no. 7 which reads:

“ Prior to any diversion and use of water under this water right, the right holder shall (1) provide evidence of participation in a mitigation plan, approved by the director, and administered by a ground water district or other recognized organization, or (2) provide individual mitigation approved by the director.”



36-8242.pdf

Attached is a copy of the letter I sent Wendell Cemetery on April 1, 2013.

Could you please check on this and see what might be taking so long? If the department could get a copy of the mitigation plan, then the proof statement would be ready to process. This is the only hold up.

Thanks,
Darla

Log Name Wendell Cemenary A0017838.LOG
Log Title
Start Time 9/11/2012 14:25
End Time 9/11/2012 14:56
Records 3
Interval 60
Error Flags 8208
Cyclic Flags 2

Item #	Label	Symbol	UnitType	Channel	Comport	Computer
0	Velocity	ft/s	578	0	0	PT878
1	Volume	gal/m	846	0	0	PT878
2	(+)Total	gal	1160	0	0	PT878

Date/Time	Velocity (ft/s)	Volume (gal/m)	(+)Total (gal)
9/11/2012 14:25:43	7.958163126	182.6558605	237.4953304
9/11/2012 14:26:43	7.958688875	182.6679275	421.7545633
9/11/2012 14:27:43	8.343319531	191.4959751	608.1144384
9/11/2012 14:28:43	8.268784819	189.7852535	792.7422178
9/11/2012 14:29:45	8.223297274	188.7412228	985.8683514
9/11/2012 14:30:43	8.351917358	191.6933126	1162.760744
9/11/2012 14:31:43	8.112025473	186.187311	1348.76596
9/11/2012 14:32:43	8.204535835	188.31061	1534.613709
9/11/2012 14:33:45	8.175891421	187.6531631	1727.489449
9/11/2012 14:34:43	7.978145608	183.1144987	1904.373221
9/11/2012 14:35:43	8.070270739	185.2289558	2089.337203
9/11/2012 14:36:45	8.03611301	184.4449672	2281.59347
9/11/2012 14:37:44	7.971188633	182.9548221	2466.530584
9/11/2012 14:38:43	8.100503555	185.9228598	2644.36504
9/11/2012 14:39:44	8.19021338	187.9818808	2838.239841
9/11/2012 14:40:43	7.931345696	182.0403465	3015.265203
9/11/2012 14:41:44	8.242040976	189.1714285	3209.084201
9/11/2012 14:42:45	8.098446228	185.87564	3393.348375
9/11/2012 14:43:44	8.163435694	187.3672791	3578.800214
9/11/2012 14:44:44	7.94854288	182.4350565	3764.274728
9/11/2012 14:45:44	8.065469469	185.118757	3949.573813
9/11/2012 14:46:44	7.974682476	183.0350128	4134.766997
9/11/2012 14:47:45	7.778481688	178.5318098	4320.709887
9/11/2012 14:48:44	8.015472743	183.9712315	4505.784835
9/11/2012 14:49:44	7.870173227	180.6363152	4690.599957
9/11/2012 14:50:44	8.454238154	194.0417808	4875.395123
9/11/2012 14:51:44	8.035509296	184.4311107	5060.808741
9/11/2012 14:52:44	7.852324199	180.2266441	5246.388507
9/11/2012 14:53:44	7.973126024	182.9992891	5431.252534
9/11/2012 14:54:43	8.066732306	185.1477417	5616.237464
9/11/2012 14:55:44	8.066403875	185.1402035	5801.537529

185.5 gpm or 0.4 cfs

Permit for 0.2 cfs

IDAHO DEPARTMENT OF WATER RESOURCES
Water Measurement Program

WATER MEASURING DEVICE CERTIFICATION

(Revised 11/2001)

District 130

Diversion Name Cementary Well

Inventory Date _____

Inventory Examiner _____

PCC o.k.? ☐ Yes ☐ No

Test Date greeder/BWalker

Person performing test 9/11/2012

Exam complete? ☒ Yes ☐ No

Name:	<u>Wendell Cementary</u>
Water Right No.:	_____
Legal Description:	T _____ R _____ Sec. _____ $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$
Site Tag No.:	<u>A0017383</u>
Diversion Name:	_____

Current Owner

Name Wendell Cementary

Phone _____

Address P.O. Box 71

Cell _____

City Wendell St _____ Zip 83355

E-mail _____

Operator (if leased or operated by person other than owner)

Name Paul Isaacson

Phone 539-71160

Address _____

Cell _____

City _____ St _____ Zip _____

E-mail _____

SECTION 1 – Well Site Identification

Global Positioning System Data:

Data Collection Filename _____ Offset _____

IDWR Site Tag Identification No. _____

Site Tag Location description: _____

PLS/USGS LOCATOR _____

For Department/District Use Only

Received by _____ Date _____

Reviewed by _____ Date _____

Data Entry By _____ Date _____

SECTION II – Installed Meter Information

METER AND MOUNTING PIPE INFORMATION			
Motor HP		Volume units	<u>Acre-Feet</u> Gallons Other (specify) _____
Meter Install Date		Volume multiplier	<u>X 1.01</u>
Manufacturer	<u>Seametrics</u>	Installation location	☐ Excel ☒ Fair ☐ Good ☐ Poor
Meter Type	<u>Mag</u>	Pipe material	<u>CS</u>
Meter Model	<u>AG 200 400</u>	Outside diameter	<u>3.49</u>
Serial Number	<u>12111329</u>	Wall thickness	<u>.214</u>
Size (nominal)		Inside diameter	
Measure Flow Rate?	☒ Yes ☐ No	Amount of straight pipe upstream from meter	<u>13 1/2</u> Inches _____ Pipe Lengths
Measurement Units	☐ CFS ☒ GPM Other (specify) _____	Amount of straight pipe downstream from meter	<u>10</u> Inches _____ Pipe Lengths
Flow Rate Multiplier	<u>X 1</u>	Stand Meter Type	☒ Sonic ☐ Pyg ☐ Collins ☐ Hall ☐ Anub ☐ Dye/chem ☐ Other _____
Measure Cumulative Volume?	☒ Yes ☐ No	Standard Meter Confidence	☐ Excellent 2% ☐ Good 5% ☐ Fair 10% ☐ Poor > 10%

Spacing 3.37

Multiple FlowmetersAre multiple flowmeters used to measure diversions from this well? ☐ Yes ☐ No

If yes, how many? _____

(Attach separate form for each meter checked and/or calibrated.)

Multiple Wells

If this meter measures diversions from multiple wells, list names and locations of other wells:

totalizer 22.62 turn 2:27

PSI 76

SECTION III – Certification for Calibration of a Water Measurement Meter

Measurement No. 1 (M_1) is the measured rate of flow from the permanently installed flow meter.

Measurement No. 2 (M_2) is the measured rate of flow from the measuring device being used to check the flow for the calibration. This method or device must be accurate to within $\pm 5\%$ error. Describe below the method and equipment used to perform this measurement.

$$\text{Percent Difference} = (M_1 - M_2) \div M_2 \times 100 = \pm \% \quad (\text{Acceptable is within } \pm 10\%) \quad (\text{equation 1})$$

$$\text{Calibration Multiplier} = M_2 \div M_1 \quad (\text{equation 2})$$

Is flowmeter installed according to manufacturer's specifications? ☐ Yes ☐ No ☐ Unsure

Describe any apparent problems with installation or operation _____

Flowmeter accuracy prior to any adjustments: _____ Totalizer reading _____

Flowmeter accuracy after final adjustment: _____ Totalizer reading _____

Flowmeter calibration multiplier: _____

FLOWMETER ACCURACY CALIBRATION TABLE

Installed meter (totalizer reading)	Time	Total Gallons	Average Flow Rate GPM (M_1)	Standard total gallons	Average Flow Rate GPM (M_2)	% diff. ($\pm$)	Comments and adjustments
2:25							
2:27							
22:04	34 min	6517	191.7	5564	185.5	3.34%	

Notes – Comments – Calculations: 4849 30 min test

meter reading steady gpm

3258.5×2

14:55 5801.5
237.5

Ac x .01

~~3961.3~~
~~3949.26~~
5564 gal.

WATER LEVEL DATA	
Does the well have access to measure water levels? ~ Yes ~ No (<i>check one</i>)	
Is this well part of USGS, IDWR, or another network of water level monitoring wells? ~ Yes ~ No (<i>check one</i>)	
Static Water Level _____ ft Date _____	Pumping Water Level _____ ft (at condition _____) Date _____

Sketch and/or photograph of installation:

I certify that the above information is true and correct to the best of my knowledge and ability and the measurements taken and recorded are in accordance with the standards and specifications of the equipment used.

Signature  Date _____
(person performing measurements)