

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 67-14899

Exam Date: 8/31/2017

1. Current Owner:
MIDVALE MAINTENANCE CEMETERY DISTRICT 2376 VALLEY RD MIDVALE ID 83645-5122 (208) 355-2352

2. Accompanied by: Ron Ader
Phone No: 208-740-4798
Address:
Relationship to Permit Holder: Property Manager

3. **SOURCE:**
GROUND WATER

TRIBUTARY:**B. OVERLAP REVIEW**

1. Other water rights with the same place of use: None.
2. Other water rights with the same point-of-diversion: 67-2234

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

GROUND WATER SE¼SW¼ Sec. 10, Twp 13N, Rge 03W, B.M. WASHINGTON County

Method of Determination: Garmin GPS point collected on site; 44d 28.336, -116d 41.119

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	
13N	03W	10												3.0					3.0

Total Acres: 3

Method of Determination: ArcMap tools used to measure beneficial use found on 2009 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.

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
Cemetery Well	Submersible Pump information not available.				2" discharge

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

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
IDWR tag: 281888	Ultrasonic	GE Panametrics	PT878	PCC1316085	#403	3/28/2017

2. Measurements: Discharge measurement collected at well site.

E. FLOW

_____ Additional Computation Sheets Attached

CALCULATIONS

Measured Method: Ultra-sonic

Date/Time	Velocity ft/s	Volume gal/m	Volume ft ³ /s	Soundspeed f/s
8/31/2017 9:58	5.72	54.90	0.12	0.00
8/31/2017 9:59	5.75	55.20	0.12	4,683.70
8/31/2017 10:00	5.76	55.30	0.12	4,683.90
8/31/2017 10:01	5.76	55.30	0.12	4,683.90
8/31/2017 10:02	5.76	55.30	0.12	4,684.00
8/31/2017 10:03	5.77	55.40	0.12	4,684.10
8/31/2017 10:04	5.77	55.30	0.12	4,684.20
8/31/2017 10:05	5.76	55.30	0.12	4,684.20
8/31/2017 10:06	5.78	55.50	0.12	4,684.30
8/31/2017 10:07	5.78	55.50	0.12	4,684.30
8/31/2017 10:08	5.80	55.70	0.12	4,684.40
AVERAGE	5.76	55.34	0.12	4,684.10

Permit	0.15 cfs
B.U. Standard Allowance	0.09 cfs
B. U. Proof Fee	\$50 → 0.01 to 0.02 cfs
Measurement	0.12 cfs
License Recommendation	0.09 cfs

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 3.0 \times 4.0 = 12.0 \text{ af}$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.09 \times 231 \times 1.9835 = 41.2 \text{ af}$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = \mathbf{12.0 \text{ af}}$$

2. Volume Calculations for Other Uses:

None.

G. NARRATIVE/REMARKS/COMMENTS

The field exam was conducted by agent Patrick Kelly who met Ron Ader on August 31, 2017. Midvale Cemetery District is current owner of the permit and land owner to the place of use and point of diversion. An assignment or ownership change is not warranted at this time.

The cemetery owns water right 67-2234 which authorizes irrigation on the north half of the cemetery. Water permit 67-14899

was filed to add land immediately south of right 67-2234. 2009 imagery was used to establish beneficial use. Irrigation use under permit 67-14899 measures 3.0 acres.

Both 67-2234 and 67-14899 receive water from the same well. Water was used for irrigation purposes at the time of the exam. An aging well was found at 44d 28.336, -116d 41.119, in the cemetery well house. Pump & motor information for the submersible unit was not available at the time of the exam, however I was able to collect a measurement from the GE Panametrics device. The 6" well discharges water through a 2" steel mainline that runs through the center of the cemetery. The water users operate a series of handline sections.

I was able to attach the transducers at the well discharge point without any complications. Diagnostics were checked during the test and maintained acceptable levels. Live readings from the device stayed consistent at 55 gallons per minute. Average flow from the well tested 0.12 cfs, sufficient to supply the maximum 0.09 cfs allowed by the BU standard allowance.

The well serves two rights which carry a sum of 0.18 cfs. At the time of the exam, Ron was running the "bottom" line which is the largest section on the system. The 0.12 cfs represents a maximum diversion for the well, and both rights should be limited to this rate.

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	03/15 to 10/31	0.09 CFS	12.0 AF
	<u>Totals:</u>	0.09 CFS	12.0 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 ☒ None

I. AUTHENTICATION

Field Examiner's Name Patricia Kelly Date 8-31-2017

Reviewer _____ Date _____



67-14899 System Diagram

- Well - POD
- Buried Mainline
- 67-2234 POU
- 67-14899 POU
- Township/Range
- Sections
- QQ



**WELL LOG AND REPORT TO THE
STATE RECLAMATION ENGINEER OF IDAHO**

027728

RECEIVED	
MAY 11 1954	
Well No. _____	
Department of Reclamation	
Permit No. <u>24429</u>	

DO NOT FILL IN

Owner Midvale Cemetery Driller Harold E. Hartling
 Address Midvale, Idaho Address Box 164 Ontario Ore. Lic. No. 5-6
 Location of Well: SE 1/4 S.W. 1/4 Sec. 10, T. 13 N. R. 3 E/W Mad County.
 and _____ feet N/S, and _____ feet E/W from _____ corner of _____ 1/4 _____ 1/4 Sec. _____
 Water will be used for Irrigation Total depth of well 326
 Size of drilled hole 8" Weight of casing per linear foot National Pipe
 Thickness of casing Standard well casing Casing Material National Pipe
e.g., pipe, concrete, wood.
 Diameter, length and location of casing 8" casing 149' 2"
(Casing 12" in diameter and under give inside diameter; casing over 12" in diameter give outside diameter.)
 Number and size of perforations None located _____ feet to _____ feet
 from surface of ground.
 Other Perforations: None
 If flowing well, give flow in c.f.s. _____ or g.p.m. 1 and shut in pressure _____
 If nonflowing well, give depth of standing water from surface _____
 If flowing well, describe control works None
(Type and size of valve, etc.)
 On Bailing test delivery was 2.5 g.p.m. or _____ c.f.s. Drawdown was 112 feet
 Length of time pumped during check was _____ hr. 45 min. Water temp. 42 ° Fahrenheit.
 Date of commencement of well Sept 10, 1953 Date of Completion of well Jan 20, 1954
 Type of well rig Keystone, Cable Tool

CASING RECORD

Diam. Casing	From Feet	To Feet	Length	Remarks — Seals, Grouting, Etc.
8"	0	149' 2"		

GENERAL INFORMATION—Pumping Test, Quality of Water, Etc.

see 10T13N-LR3W

WELL LOG

From Feet	To Feet	Type of Material	Drilling Time		Water-bearing Formation Ans. Yes or No	Casing Perforated Ans. Yes or No
			Hrs.	Min.		
0	4	clay				
4	23	hard pan				
23	31	sandy clay (caving)				
31	35	sand				
35	60	clay				
60	108	black mud				
108	118	bits of wood, black muds				
		water raised to 40' unable to clear				
		mud out of bottom				
118	128	sand, water bearing, hard up casing 8'				
128	133	rock ledge				
133	145	shale some sand				
145	162	shale				
162	187	hard shale				
187	198	shale some water				
198	201	hard shale				
201	205	broken shale conct				
205	207	black lava rock				
207	212	broken shale conct				
212	224	Lava rock				
		If more space is required use Sheet No. 2				

WELL DRILLERS STATEMENT

This well was drilled under my jurisdiction and the above information is true and correct to the best of my knowledge and belief.

Signed

By

License No.

Dated, 19.....

Subscribed and sworn before me this.....day of.....19.....

Notary Public

Residing at

My Commission expires.....

Well Driller H. E. Hartling

Well Location Midvale

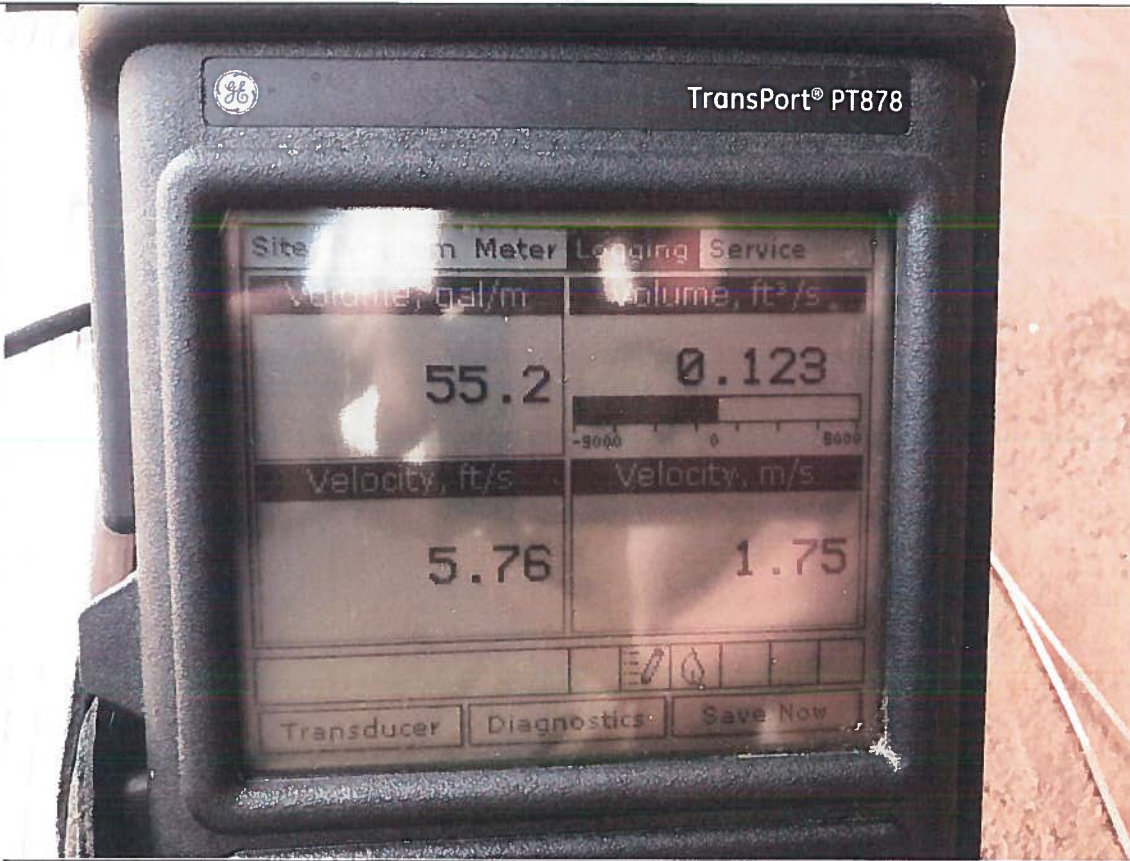
WELL LOG

[illegible]

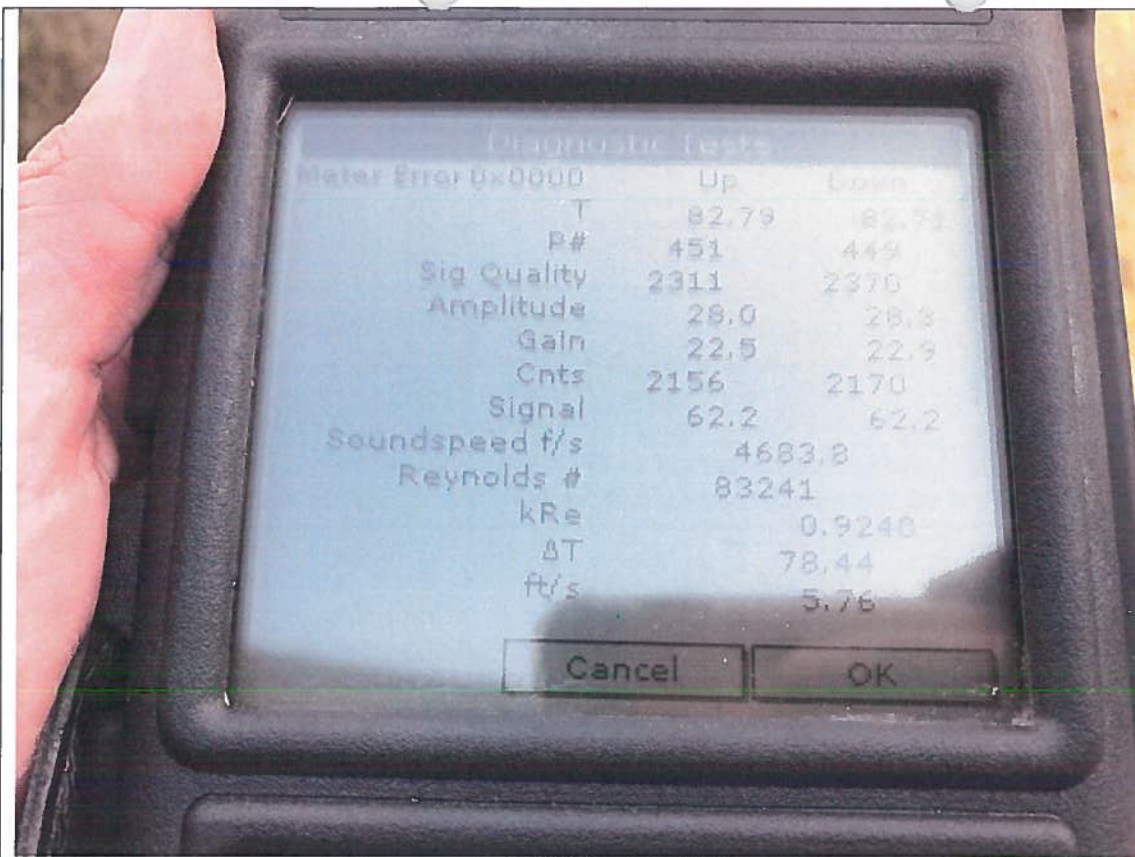
13N-3W ————— 10 SEW



POD
6" well
44d 28.336
-116d 41.119



Snapshot of
measurement during
test.
0.123 cfs
55.2 gpm



Snapshot of diagnostics during test.

Amp: ~ 28
Sound: 4683.8



Outside well house, buried mainline.



Riser with handline
connected on north
end of cemetery.





State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region • 2735 Airport Way • Boise, Idaho 83705-5082

Phone: (208) 334-2190 • Fax: (208) 334-2348 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

April 19, 2017

COPY

MIDVALE MAINTENANCE CEMETERY DISTRICT
2376 VALLEY RD
MIDVALE ID 83645

RE: Scheduling Field Exam for Water Right Permit No. 67-14899

Dear Permit Holder:

We are planning to conduct water right examinations in the vicinity of the above-referenced permit **this season**. An examination is needed to verify the water use in order to issue a water right license.

The above-referenced permit authorizes **0.15 cfs of GROUND WATER** for **IRRIGATION** use. **If you have developed a beneficial use and still own the place of use property, please contact me at your earliest convenience to schedule an examination.**

If you did not develop a beneficial use of water under the permit during the beneficial use period, a license cannot be issued and the permit should be relinquished. If that use was developed, but have ceased using the water and you currently carry no interest in it, please relinquish the permit by submitting the enclosed Relinquishment of Permit form (no fee required).

If you did develop a beneficial use of water under the permit, but you no longer own the place of use property identified in the permit, please submit the enclosed Assignment of Permit form with the applicable \$25 processing fee.

Please contact me within the next thirty (30) days at (208) 334-2190 to either schedule an examination or submit a relinquishment or assignment form. If you no longer own the place of use property and/or do not respond to this letter, the department will work with the current property owner to issue a license or void the permit.

Sincerely,

Patrick Kelly
Water Resource Agent, Sr.

Enclosures: Relinquishment of Permit form
Assignment of Permit form
Water Permit Report and Map



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region, 2735 Airport Way • Boise, Idaho 83705-5082

Phone: (208) 334-2190 • Fax: (208) 334-2348 • Web Site: www.idwr.idaho.gov

C. L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

September 15, 2014

GERALD K MYERS
2189 BENNER RD
MIDVALE ID 83645

RE: Scheduling Field Exam for Water Right Permit No. 67-14899

Dear Mr. Myers:

We are planning to **conduct water right examinations** in the vicinity of the above-referenced permit **during the weeks of September 22 and September 29, 2014**. An examination is needed to verify your water use in order to issue a water right license.

Please be advised that you will need to operate your system under normal conditions during the examination. The permit (in the name of Midvale Maintenance Cemetery District) authorizes diversion of ground water for irrigation of up to 7.5 acres. The property associated with this permit is located off Knob Hill Rd.

In order to conduct your exam as efficiently as possible, we ask that you call this office to schedule a day and time convenient for you. **Please call me at 208-334-2190 by September 26, 2014**. If there is a problem with scheduling or conducting the examination at this time, please call and other arrangements can be made. I appreciate your attention in this matter and I look forward to hearing from you.

Sincerely,

Angela M. Grimm, P.G.
Water Resource Agent, Sr.

Cc: Midvale Maintenance Cemetery District