

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
IN-OFFICE REVIEW/BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATIONPermit No: 63-34355Exam Date: 12/21/17

1. Does this qualify for an in-office field exam (IDAPA 035.02.r)? X Y N
- a. Irrigation of 5 acres or less
- b. Storage of up to 14.6 AF for stockwater purposes only
- c. Any use other than irrigation or storage, if the combined diversion rate is 0.24 cfs or less
- d. Other < >

2. Current Owner: Name: Corporation of the Presiding Bishop of the Church of Jesus Christ of Latter-day Saints

Owner of Record Correct? X Y NAddress of Record Correct? X Y N

If No: Address

3. Beneficial Use Fees have been paid: Y N X N/A Receipt No:

4. SOURCE**TRIBUTARY**

Groundwater

Method of Determination: Taxlots, GIS, well driller's report and water right field exam 63-10657

Change in Source: Y X N**B. OVERLAP REVIEW**

1. Other water rights with the same place of use: NO Overlap

Water Right No.	Source	Purpose of Use	Basis
63-10657	Groundwater	Irrigation	License
Nampa Meridian Irrigation District	Boise River	Irrigation	Decreed
City of Meridian	Groundwater	Municipal	License

Comments: Water right 63-10657 was licensed in 1988 for irrigation of 2 acres of yard around the church and softball field. The church actually has 2.5 acres total of irrigation. This permit is for the additional 0.5 acres that are irrigated and is used to cover the entire irrigated area for the church. City of Meridian water covers in-church water use. Nampa Meridian Irrigation District water listed as an overlapping place of use in the Beneficial Use Field Report for water right 63-10687 and the water right.

2. Other water rights with the same point of diversion: NO Overlap

Water Right No.	Source	Purpose of Use	Basis
63-10657	Groundwater	Irrigation	License

Comments: Water right 63-10657 was licensed in 1988 for irrigation of 2 acres of yard around the church and softball field. The church actually has 2.5 acres total of irrigation. This permit is for the additional 0.5 acres that

are irrigated and is used to cover the entire irrigated area for the church.

C. DIVERSION AND DELIVERY SYSTEM

1. LOCATION OF POINT(S) OF DIVERSION:

Source	Govt. Lot	¼	¼	¼	Sec.	Twp.	Rge.		County
Well			NW	NW	11	03N	01W	B.M.	Ada
								B.M.	
								B.M.	

Method of Determination: Taxlots, GIS, Well driller's report and water right field exam 63-10657

Change in POD? Y X N Amendment Required? X N

2. PLACE OF USE: 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	
03N	01W	11						0.5											0.5
		Lot #																	
Total Acres =																		0.5	

Method of Determination: Taxlots, GIS, Well driller's report and water right field exam 63-10657

Change in POU? X N Amendment Required? X N

 Delivery System Diagram Attached (required). Indicate all major components and distances between components.

Indicate weir size/pipe as applicable.

 Aerial Photo Attached (required for irrigation of 10+ acres).

 Photo of Diversion and System Attached

4. Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
Unknown	Submersible	5HP			

*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
None						

2. Measurements: See field exam from water right 63-10657.

E. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

Measured Method:

Please see field exam for water right 63-10657 for flow calculations.

Measurement = 0.12 cfs

Water Right 63-10657 authorizes = 0.06 cfs

Available water = 0.06 cfs

Permit 63-34355 allowed= 0.02 cfs

Acre limit= 0.5 acres x 0.03 cfs = 0.02 cfs

I am recommending 0.02 cfs, since the capacity of the well appears to be able to cover all the acres irrigated and the permit diversion rate matches the acres actually developed.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$V = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 0.5 \text{ acres} \times 4.5 \text{ afa} = 2.3 \text{ af}$
I.R.

$V = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.02 \text{ cfs} \times 260 \text{ days} \times 1.9835 = 10.3$
D.R.

$V = \text{Smaller of } V_{\text{I.R.}} \text{ and } V_{\text{D.R.}} = 2.3 \text{ af}$

2. Volume Calculations for Other Uses:

G. PURPOSE OF USE

Irrigation X Y N # Stock _____ Domestic # of Homes _____

Other: < >

Change in Purpose of Use? Y X N

Method of Determination: Application, Statement of Completion, GIS, water right field exam 63-10657

If Yes: From Use _____ To Use _____ Amount _____ CFS _____ AFA _____

H. NARRATIVE/REMARKS/COMMENTS

This permit qualifies for an in-house exam. This water use was previously field examined for water right 63-10657. Please see that field exam for more specific details of the system.

Water for this permit is used to irrigate 0.5 acres of lawn around the church property. Groundwater is diverted from an existing well with a 5HP pump. The field exam from 63-10657 notes that the pump has a 3HP limiter because of pump specifications. Therefore, calculations are based on a 3HP pump. This point of diversion is shared with water rights 63-10657 and is used to irrigate 2.5 total acres around the church property. (Water right 63-10657 authorizes irrigation of 2.0 acres.) The authorized diversion rate and volume were based on available water from the well at the shared point of diversion and the number of acres developed.

In addition to water right 63-10657, overlapping places of use include City of Meridian municipal water which covers in-church use and Nampa Meridian Irrigation District. Nampa Meridian Irrigation District water is documented on the Beneficial Use Field Report for permit 63-10657 and water right 63-10657 which has a condition that the right holder must use the full allotment of the surface water right, to the extent it is available, in conjunction with groundwater diverted pursuant to this right. The application for permit 63-34355 does not mention the availability of Nampa Meridian Irrigation District water. Condition 3 (944) on the license was added to require use of these surface water rights, if available, prior to use of groundwater.

Condition 1 (236) was removed because the condition had been met with the permit. Condition 2 (806) was removed because the condition is no longer active. Condition 3 was added to clarify the shared point of diversion.

Have conditions of permit approval been met? ☒ Yes ☐ No

I. RECOMMENDATIONS**1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
Irrigation	03/01 to 11/15	0.02 CFS	2.3 AF
<u>Totals:</u>		0.02 CFS	2.3 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

Other: < >

J. AUTHENTICATION – Rachael Smith – Water Right Agent

Field Examiner's Name Rachael Smith Date 12/27/17

Reviewer Daniel A. Nelson Date 12/29/17