

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 25-14231

Exam Date: 3/13/2014

1. Current Owner: CORP OF THE PRESIDING BISHOP CHURCH OF JESUS CHRIST OF LATTER DAY SAINTS
REAL ESTATE SERVICES DIVISION
50 E NORTH TEMPLE ST
SALT LAKE CITY UT 84150-6320
(801)240-4074
2. Accompanied by: None
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:
2. Other water rights with the same point of diversion: 25-14347

C. DIVERSION AND DELIVERY SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER SW1/4SW1/4 Sec. 25, Twp 04N, Rge 38E, B.M.
JEFFERSON County

Method of Determination: Aerial photography and GPS. Metal tag # D0054861

2.

PLACE OF USE: DOMESTIC

Twp	Rge	Sec	NE				NW				SW				SE				
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Totals
04N	38E	25											X						

Method of Determination: Aerial photography

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

D. FLOW MEASUREMENTS

Measurements: On site field inspection. Underground water delivery system. No water measurement taken.

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

Measured Method:

Total rate of diversion is based on a water system delivery system worksheet. This worksheet was submitted as part of the application for permit.

According to the worksheet the total rate of diversion required for the water delivery system is 65.0 gpm or 0.14 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: N/A

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \text{N/A}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = \text{N/A}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = \text{N/A}$$

2. Volume Calculations for Other Uses:

$$65.0 \text{ gpm} \times 9.0 \text{ hrs (assumed average)/week} \times 52 \text{ weeks/year} = 1,825,200 \text{ gallons or 5.6 acre-feet.}$$

G. NARRATIVE/REMARKS/COMMENTS

Submersed pump serves church building via underground water delivery system. The permit was issued for inside water use only. Water right 25-14347 is diverted out of the same point of diversion and authorizes the irrigation of 3.1 acres around the church building.

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>
DOMESTIC	01/01 to 12/31	0.140 CFS	5.60 AF
<u>Totals:</u>		0.140 CFS	5.60 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 Blake Jordan Date 3/13/2014

Reviewer _____ Date _____



Idaho Department of Water Resources

Water Right
25-14231
(DOMESTIC)

● Point of Diversion



Place of Use



State Outline



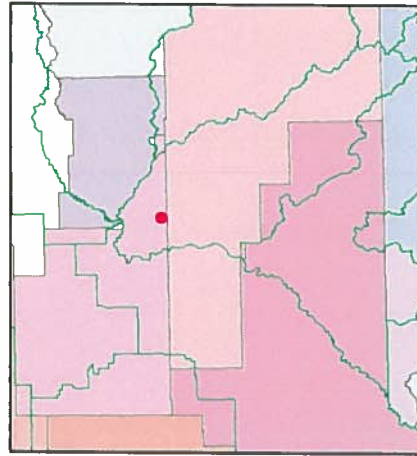
Townships



PLS Sections



Quarter Quarters



Jefferson County
IDWR Basin 25

Prepared by Jordan, Blake

2009 Aerial Photography

38E



04N

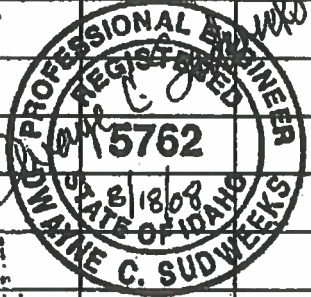


0 0.025 0.05 0.1 Miles

03/13/2014



JOB R1924 1 WARD E R1924 IDAHO STATE WATER PIPE SIZING

FIXTURE	QUANTITY	UNITS/FIX	TOTAL	HOT WATER			COLD WATER		
				SIZE	GPM	UNITS	SIZE	GPM	UNIT
WATER CLOSET	16	3.5	56	1/2"			1/2"		
URINAL	4	5 OR *	53	3/4"			3/4"		
LAVATORY	13	1	13	1"			1"		
SINKS	-	2	-	1-1/4"			1-1/4"		
SERV. SINK	1	3	3	1-1/2"			1-1/2"		
FOUNTAINS	6	5	3	2"			2"		
SHOWER HEADS	-	4	-	2-1/2"			2-1/2"		
KITCHEN SINK	1	1.5	1.5	3"			3"		
				4"			4"		
							6"		
				*FIXTURE UNITS FOR FLUSH VALVES					
				NUMBER OF VALVES	TOILET OR SIM. 10 UNITS		URINAL OR SIM. 5 UNITS		
				1	40		20		
				2	70		35		
				3	90		45		
TOTAL UNITS				4	105		53		
PROBABLE GPM FROM CURVE				5 OR MORE	115 PLUS 10 FOR EA. ADD. FIXTURE		58 PLUS 5 FOR EA. ADD. FIXTURE		
HOSE BIBB @ 5 GPM EACH									
TOTAL REQUIRED GPM FOR SYSTEM									

WATER METER SIZE NA

WELL System.

P = PRESSURE IN STREET MAIN IN PSIG 50
H = HEIGHT OF HIGHEST FIXTURE ABOVE STREET MAIN IN FEET 10
F = PRESSURE REQUIRED AT FIXTURE 15
M = PRESSURE LOSS IN METER -
EL = EQUIVALENT LENGTH IN FEET (ACTUAL PLUS 50%) 900

FORMULA: $P_{50} - .43H_{10} - F_{15} - M_{-} \times 100 \div E.L. = 3.4 \text{ F.L.}$

WATER SERVICE MAIN SIZE: 2 1/2

25-14231

PSI/100'