

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 25-14274

Exam Date: 6/4/2015

1. Current Owner: CORP OF THE PRESIDING BISHOP OF THE CHURCH OF JESUS CHRIST OF LATTER DAY SAINTS
C/O DELMAS JOHNSON
50 E NORTH TEMPLE ST
SALT LAKE CITY UT 84150
(801)240-4074

2. Accompanied by: Colvin Jergins

Phone No: (208) 390-7073

Address: 8070 Blackhawk Dr. Idaho Falls, ID 83406

Relationship to Permit Holder: President of Blackhawk and Iron Rim Ranch water committee.

3. SOURCETRIBUTARY

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: 25-14395, 25-7669

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

GROUND WATER	NE1/4SE1/4	Sec. 11, Twp 01N, Rge 38E, B.M.
BONNEVILLE County		
GROUND WATER	NE1/4SE1/4	Sec. 11, Twp 01N, Rge 38E, B.M.
BONNEVILLE County		

Method of Determination: GPS and aerial photography

2.

PLACE OF USE: DOMESTIC

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
01N	38E	12								X									

Method of Determination: Aerial photography and site visit.

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>
D0011352 (well 1)		250			
D0044154 (well 2)		250			

D. FLOW MEASUREMENTS

1. Measurements:

E. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

Measured Method:

Water system includes three flow meters. The installed meters were used for the flow calculation. Records show that the instantaneous rate of diversion for this system is 1200 gallons per minute or 2.67 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:

900 individuals per week X 20 gallons per person X 52 weeks per year = 936,000 gallons or 2.9 acre-feet.
Volume = 2.9 acre-feet.

G. NARRATIVE/REMARKS/COMMENTS

Water delivery system consists of two wells equipped with 250 hp pumps, 12" mainline and a 560,000 gallon storage tank. This water delivery system supplies water to the Blackhawk and Iron Rim Ranch Subdivisions. Domestic use under this right is for one church building (in-house use) within the Blackhawk Subdivision.

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	0.020 CFS	2.90 AF
<u>Totals:</u>		0.020 CFS	2.90 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 7/2/15

Reviewer _____ Date _____

25-14274



0 105 210 420 Feet
1 inch = 182 feet



-  Points of Diversion
-  Place of Use
-  Township/Range
-  Sections
-  QQ



560,000 gallon storage tank.

Well #1



Well #2