

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 37-20742
Exam Date: 11/28/2007

1. Current Owner:
ROBERT G FRIEDMAN 289 HOMEWOOD RD LOS ANGELES CA 90049 (310)309-8484
2. Accompanied by: Brockway Engineering PLLC
Phone No: 208.736.8543
Address: 2016 Washington St N Twin Falls ID 83301
Relationship to Permit Holder: Consultant, Certified Field Examiner

3. **SOURCE:**
GROUND WATER

TRIBUTARY:

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 37-863E (Irrigation shares from Eagle Cr Irrigation Co), 37-863F (Aesthetic and Recreation from Eagle Cr Irrigation Co)
2. Other water rights with the same point-of-diversion:

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

GROUND WATER SE¼SW¼ Sec. 14, Twp 05N, Rge 17E, B.M. BLAINE County

Method of Determination:

2.

PLACE OF USE: AESTHETIC STORAGE

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
05N	17E	14												X					

PLACE OF USE: AESTHETIC

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
05N	17E	14												X					

PLACE OF USE: RECREATION STORAGE

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
05N	17E	14												X					

PLACE OF USE: RECREATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
05N	17E	14												X					

Method of Determination:

2013 Aerial Photography

3.

☒ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable. **See attached Narratives and Correspondences**

☒ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater. **See attached ArcMap printout**

☒ Aerial Photo Attached (required for irrigation of 10+ acres). **Same as above.**

☒ Photo of Diversion and System Attached. **See attached Narratives.**

4.

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
A0017384	US Electric	20	916207		10 inch

*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
McCrometer	Impeller			04-07758-8		1/1/2014

2. Measurements: **See Attached WMIS data sheet for flows 2014-2016, the only data available.****E. FLOW CALCULATIONS**

Measured Method:

_____ Additional Computation Sheets Attached

See Narrative for pump test at initial installation results.**F. VOLUME CALCULATIONS**1. Volume Calculations for Irrigation: **See Attached WMIS data sheet for flows 2014-2016, the only data available.** $V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$ $V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 =$ $V = \text{Smaller of } V_{IR} \text{ and } V_{DR} =$

2. Volume Calculations for Other Uses:

G. NARRATIVE/REMARKS/COMMENTS

Application for permit was filed on July 11, 2002 to divert 2.0 cfs for recreation and aesthetic uses associated with two ponds. After resolving protests the permit was approved on October 10, 2003 and proof was filed on January 1, 2008 with a consultant Exam Report.

The beneficial use exam was performed by Charles E Brockway on November 28, 2007. (see attached) Upon review it was discovered that the GCDB in this area had shifted after the original licensing exam. Examination of aerial photography and the original map submitted with the application revealed that the place of use is actually in the SESW of Section 14 Rng 05N Twp 17E and located within the HES 129. (HES 129 also stated in Brockway's beneficial use report). Recommend the permitted flow rate of 2.0 cfs (see Brockway measurement) with a volume of 14.4 AF (see Brockway calculations) for recreation and aesthetic Storage uses associated with the two ponds. However, Diversion to Storage needs to be dropped because the permit was approved for non-consumptive use only, with filling and evaporation losses supplied by surface water only.

Note, overlapping Eagle Creek surface water right 37-863F for recreation and aesthetics associated with the same ponds was decreed in the incorrect legal description and should also be described in the SESW of Section 14 Rng 05N Twp 17E and located within the HES 129. Comments have been put in Adhoc indicating that the 37-863F POD and POU is incorrect and actually overlaps with license 37-20742 for evaporative purposes.

Diversion volume was determined from Water Measurement Information System records that indicate 136 AF was diverted in calendar year 2014. This is the volume recommended for licensing. The initial filling of the pond system was authorized by diversion of Eagle Creek Irrigation Co shares in lieu of irrigation during delivery season. The year round storage recommended below represents holding the pond volume year round. If for any reason the pond system is drained in whole or part, then a separate authorization from the Department of Water Resources is required to refill it. The license is conditioned accordingly. In addition, the license carries forward the condition that an equal or greater flow rate must discharge to the recharge site than is pumped from the well into the pond system (i.e. irrigation depletions may not be refilled by ground water diversion).

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>
AESTHETIC STORAGE	01/01 to 12/31		14.4 AF
RECREATION STORAGE	01/01 to 12/31		14.4 AF
AESTHETIC	04/15 to 10/31	2.00 CFS	136.0 AF
RECREATION	04/15 to 10/31	2.00 CFS	136.0 AF
<u>Totals:</u>		2.000 CFS	136.00 AF

2. Recommended Amendments

Change P.D. as reflected above Add P.D. as reflected above X None

Change P.U. as reflected above Add P.U. as reflected above X None

I. AUTHENTICATION

Field Examiner's Name _____ Date _____

Reviewer Douglas Jones Date 11/25/16

NESW

Well



SESW

14

09N17E

SESW

Field Exam
37-20742

The USDA-FSA Aerial Photography Field office asks to be credited in derived products.

Flow Meter Water Usage

You are viewing 1000687, A0017384

Report Year	Totalizer Start	Acre Feet Volume	Max Flow Rate (CFS)	Comments
2016	1202572.00	0.40		
Validated	Totalizer End	Adjusted Acre Feet	Adjusted Max Flow Rate	
Not Validated	1203885.00	0.40		
Calibration Data		Acre Feet Qualifier	Preferred Method	
Date:	1/1/2014 12:00:00 AM	No Monthly Recordings		
Factor	1.00			
Vol. Multiplier:	100.0000			
Vol. Unit	GAL			

Report Year	Totalizer Start	Acre Feet Volume	Max Flow Rate (CFS)	Comments
2015	1153862.00	14.95		
Validated	Totalizer End	Adjusted Acre Feet	Adjusted Max Flow Rate	
Not Validated	1202572.00	14.95		
Calibration Data		Acre Feet Qualifier	Preferred Method	
Date:	1/1/2014 12:00:00 AM	No Monthly Recordings		
Factor	1.00			
Vol. Multiplier:	100.0000			
Vol. Unit	GAL			

Report Year	Totalizer Start	Acre Feet Volume	Max Flow Rate (CFS)	Comments
2014	708746.00	136.60 ★		
Validated	Totalizer End	Adjusted Acre Feet	Adjusted Max Flow Rate	
Not Validated	1153862.00	136.60		Two meters are in the pumping shed. One is for ground and surface water pumped together for irrigation. This entry is for ground water alone. KL 12 19 2014
Calibration Data		Acre Feet Qualifier	Preferred Method	
Date:	1/1/2014 12:00:00 AM	No Monthly Recordings FM		
Factor	1.00			
Vol. Multiplier:	100.0000			
Vol. Unit	GAL			

Recommended Licensing Volume
136AF