

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED

JUN 26 2018

DEPARTMENT OF
WATER RESOURCES

A Beneficial Use Field Report is prepared by a water right examiner as the result of an examination to clearly confirm and establish the extent of the beneficial use of water established in connection with a permit during the development period authorized by the permit and any extensions of time previously approved.

A. GENERAL INFORMATIONPermit No. 37-228251. Owner City of HaileyPhone No. (208) 788-4221Current address 115 S. Main St., Suite H, Hailey, ID 833332. Examiner's name Scott N. King, P.E. (CWRE No. 133)EXAM DATE June 11, 20183. Accompanied by Stephanie Cook

Email _____

Address 115 S. Main St., Suite H, Hailey, ID 83333Relationship to permit holder City staff

Phone No. _____

4. Source Ground Water

tributary to _____

B. OVERLAP REVIEW1. Other water rights with the same place of use Multiple City of Hailey municipal rights2. Other water rights with the same source and point of diversion none**C. DIVERSION AND DELIVERY SYSTEM**

1. Point(s) of Diversion:

Ident. No.	Gov't Lot	¼	¼	¼	Sec	Twp	Rge	County	Method of Determination/Remarks
		NW	SE	SW	9	2N	18E	Blaine	Site visit, map and GPS

2. Place(s) of Use:

Method of determination Site visit and 2017 NAIP Aerial Imagery

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
2N	18E	9									3.0			3.2					6.2

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe diameter (inside), as applicable. Use the space provided or ☒ see attached.

Scale: 1" = _____

- ☒ Copy of USGS Quadrangle attached showing location(s) of point(s) of diversion and place(s) of use (**required**)
☒ 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
D0065034	Franklin	20	12M19-06-06015A	Goulds	3"

*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
installed flow meter	mag meter	Seametric	AG2000-300	12201300075	4"	

2. **Measurements:** _____

Measurement was conducted using the installed meter and averaging flow over a time period exceeding 10 minutes.

E. NARRATIVE/REMARKS/COMMENTS

The water right has been developed to irrigate 3.0 acres of Hop Porter Park in the NESW, Section 9; and 3.2 acres of Lions Park in the SESW, Section 9; both parks are located in T2N, R18E. The point of diversion is a well within the boundary of Lions Park.

A 16-inch well equipped with a 20-hp submersible pump provides groundwater to a pressurized irrigation system for Lions Park and Hop Porter Park. The motor/pump is controlled with a variable speed drive that was maintaining pressure at approximately 85 psi during the exam. The well was completed with 10-inch diameter steel casing from +2 to 25 feet, with a 0.050 slot well screen from 25 feet to 50 feet. The surface seal extends from ground surface to 18 feet. Water temperature at the time of well construction was 49 F.

Has the permit holder met all conditions of permit approval, including any mitigation requirements and/or measuring device installation requirements? ☒ Yes ☐ No If no, what must be done to meet the permit requirements?

F. FLOW CALCULATIONS☐ Additional computation sheets attached

Measured Method:

(Meter End : 27990.5 minus Meter Start: 27988.2) x 1,000 = 2,300 gallons

Time Period: 10.8 minutes

2,300 gallons /10.8 minutes = 213 gpm or 0.47 cfs

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I,R} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 6.2 \text{ ac} \times 3.5 \text{ ac-ft/ac} = 21.7 \text{ ac-ft}$$

$$V_{D,R} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = 0.47 \text{ cfs} \times 200 \text{ days} \times 1.9835 = 186 \text{ ac-ft}$$

$$V = \text{Smaller of } V_{I,R} \text{ and } V_{D,R} = 21.7 \text{ ac-ft}$$

2. Volume Calculations for Other Uses:

none

H. RECOMMENDATIONS

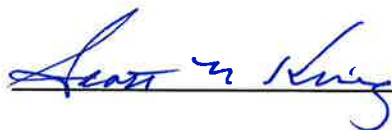
1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
irrigation	4/15	10/31	0.47	21.7
Totals:			0.47	21.7

2. Recommended Amendments

☐ Change P.D. as reflected on page 1☐ Add P.D. as reflected on page 1☒ None☐ Change P.U. as reflected on page 1☐ Add P.U. as reflected on page 1☐ Other**I. AUTHENTICATION**

Field Examiner's Signature

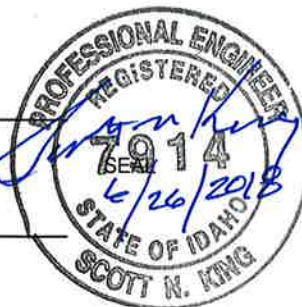


Date

4/26/2018

Reviewer

Date



Attachment A
Field Exam Maps

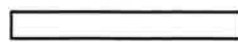


-  Lions Park Boundary
-  Point of Diversion
-  Irrigated Area

**Water Right 37-22825 - Point of Diversion
and Lions Park Irrigated Area**



250

 Feet





-  Lions Park Boundary
-  Point of Diversion
-  Irrigated Area

**Water Right 37-22825 - Point of Diversion
and Lions Park Irrigated Area**

27

250

 Feet





- Hop Porter Park Boundary
- Point of Diversion
- Irrigated Area

**Water Right 37-22825 - Point of Diversion
and Hop Porter Park Irrigated Area**



200

Feet



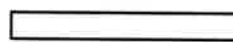


-  Hop Porter Park Boundary
-  Point of Diversion
-  Irrigated Area

**Water Right 37-22825 - Point of Diversion
and Hop Porter Park Irrigated Area**



200

 Feet



SPF WATER
ENGINEERING

Attachment B
System Components and Diagrams



● Point of Diversion == 4" PVC Mainline ▭ Lions Park Boundary ▭ Hop Porter Park Boundary ▨ Irrigated Area	Water Right 37-22825 - Distribution System Lions Park and Hop Porter Park N 400 Feet 
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Attachment C
Exam Photos

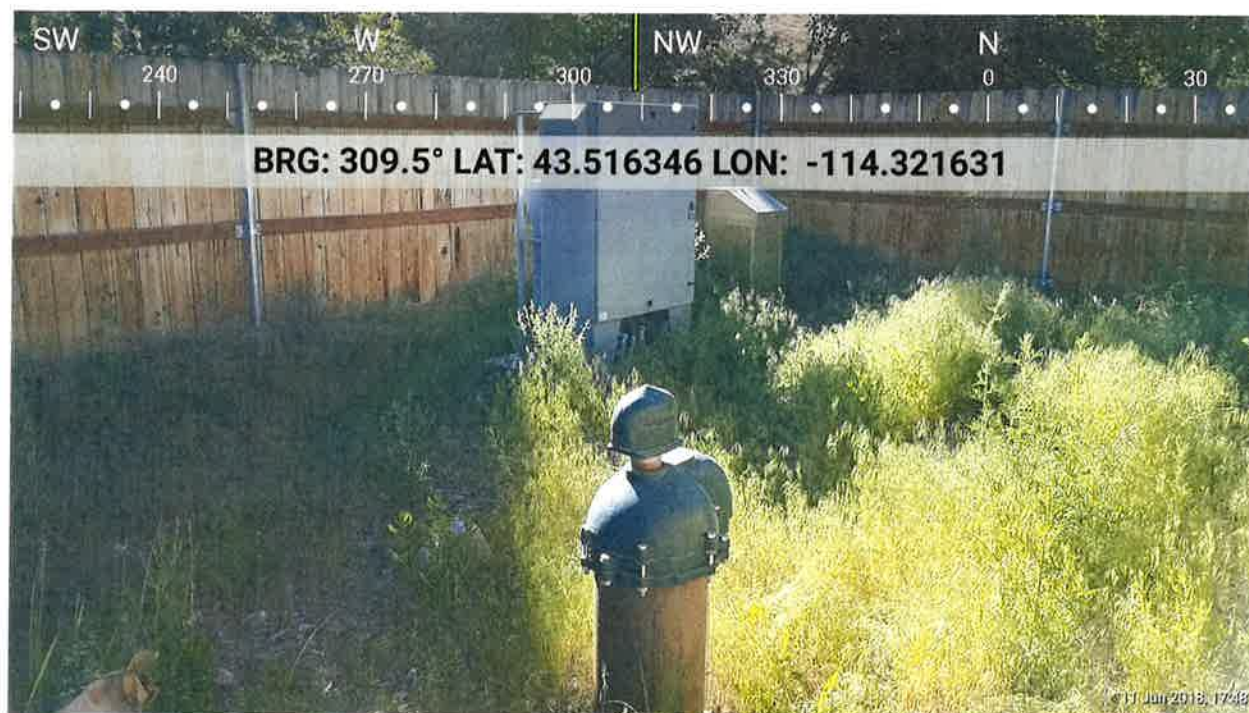


Figure 1. Lions Park Well



Figure 2. Lions Park Flowmeter



Figure 3. Control Valve



Figure 4. Hop Porter Park Place of Use

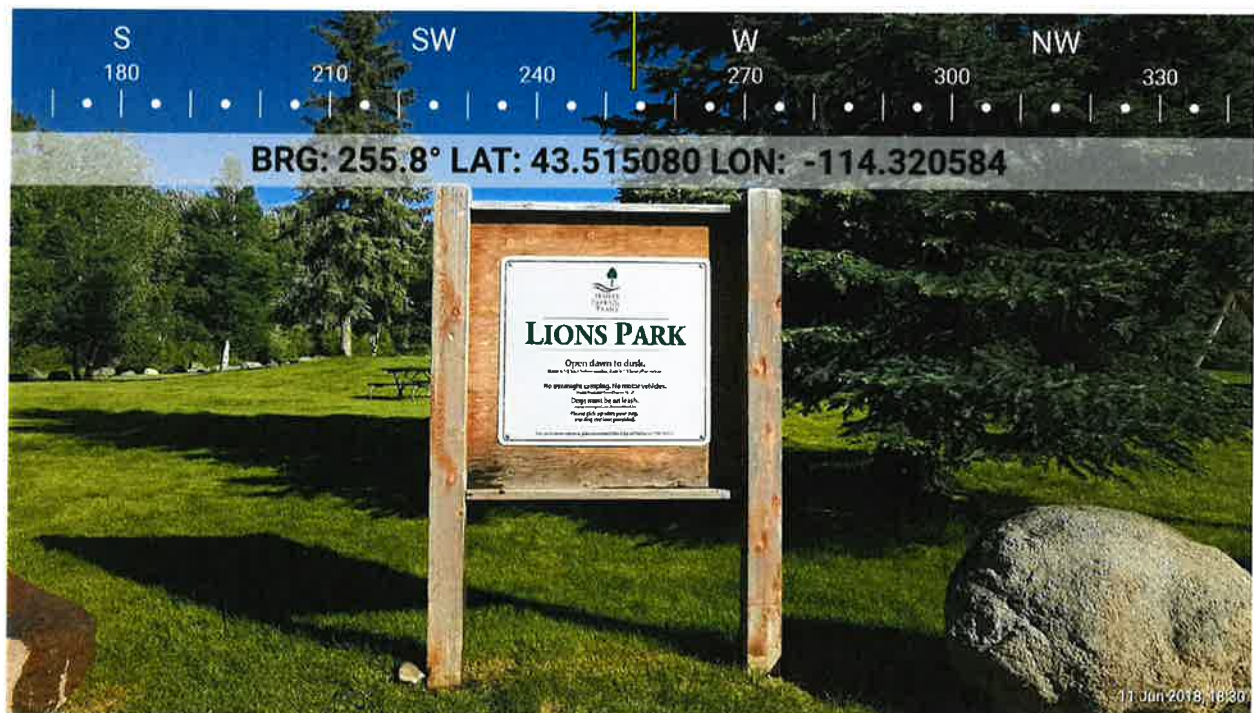


Figure 5. Lions Park Place of Use