

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 25-14239

Exam Date: 2/15/2015

1. Current Owner: TETON RETINAL INSTITUTE
3544 E 17TH ST STE 105
AMMON ID 83406-6913
(208) 535 4900

2. Accompanied by: Andrew
Phone No: (208) 529-2900
Address: 3455 E 17th St. #105
Relationship to Permit Holder: Office manager

3. SOURCE

GROUND WATER

TRIBUTARY**B. OVERLAP REVIEW**

1. Other water rights with the same place of use: none
2. Other water rights with the same point of diversion: none

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

GROUND WATER

NW1/4NW1/4NW1/4

Sec. 26, Twp 02N, Rge 38E, B.M.

BONNEVILLE County

Method of Determination: GPS and site visit

2.

PLACE OF USE: COOLING

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	
02N	38E	26						X											

PLACE OF USE: HEATING

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	
02N	38E	26						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.

Well or Diversion**ID No.***

D0056998 (Production well)

D0056999 (Injection well)

D. FLOW MEASUREMENTS

2. Measurements: Rate of diversion for this right is 0.09 cfs. No measurement required for rates of diversion < 0.24 cfs. Q= 0.09 cfs.

E. FLOW CALCULATIONS☐ Additional Computation Sheets Attached

Measured Method:

According to the Well Driller's Report the well drilled for Teton Retinal Institute yielded 42.0 gallons per minute which is 0.09 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:

Assume the ground water well pumps .09 cfs for 12 hours per day for 365 days a year

.09cfs x 1.9835 X 12hrs/24hrs X 365days/years = 32.6 acre-feet

Heating = 32.6 acre-feet

Cooling = 32.6 acre-feet

Total volume = 32.6 acre-feet

G. NARRATIVE/REMARKS/COMMENTS

This right is used for heating and cooling purposes for Teton Retinal Institute. Water is diverted from a ground water well and through a heat exchanger. Heat pumps have been installed which circulates water through heating and cooling system. Water is then diverted back into the ground through an injection well. This is a non-consumptive water right.

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>
COOLING	01/01 to 12/31	0.090 CFS	32.6 AF
HEATING	01/01 to 12/31	0.090 CFS	32.6 AF
<u>Totals:</u>		0.090 CFS	

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 2/19/2015

Reviewer _____ Date _____

25-14239

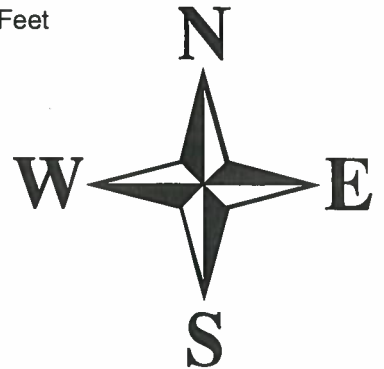


Legend

- Township/Range
- Sections
- QQ

0 115 230 460 Feet

1 inch = 193 feet



Teton Retinal Institute



Injection well



Production well

Heat Exchange unit



Heating; Cooling water delivery system



Heat Pumps



A close-up photograph of a metal electrical enclosure. A large, dark, cylindrical terminal block is mounted on the enclosure door with a metal plate and bolts. A thick, braided metal cable is connected to the top of this terminal block. To the right, another braided cable is connected to a smaller terminal block. A label on the door reads "P202 CONNECTION". A technical specification label is also visible on the right side of the door.