

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 47-17127
Exam Date: 05/03/2019

1. Current Owner:
KENNETH MONDFRANS
60 SHIRLEY CT
LAKEPORT CA 95453-9764
2. Accompanied by: Mike Hampton
Phone No: 208-420-7465
Relationship to permit Holder: Contractor

3. SOURCE:
GROUND WATER

Method of Determination: Site visit and ArcMap aerial imagery; interview with Mike Hampton

B. OVERLAP REVIEW

1. Other water rights with the same place of use: No Overlap

Water Right No.	Source	Purpose of Use	Basis
None			

2. Other water rights with the same point-of-diversion: NO Overlap

Water Right No.	Source	Purpose of Use	Basis
None			

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

GROUND WATER L3 (NW¼ NW¼), Sec. 4, Twp 09S, Rge 14E, B.M. TWIN FALLS County

Method of Determination: Site visit and ArcMap aerial imagery; interview with Mike Hampton

PLACE OF USE: DOMESTIC

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
09S	14E	4						X											
								L3											

Method of Determination: Site visit and ArcMap aerial imagery; interview with Mike Hampton

3. ATTACHMENTS

_____ 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.*	Motor Make	Hp	Model No.	Pump Make	Pump Serial No. or Discharge Size
A0004800	N/A		Well is Artesian		30-40 psi
Booster pump	N/A	1/2	JHC	Sta-Rite	Provides additional flow

D. FLOW MEASUREMENTS

1. Measurement: A direct measurement of the diversion rate is not required per IDAPA 37.03.02 Beneficial Use Examination Rules; as the permitted flow rate of 0.04 cfs does not exceed twenty-four one hundredths (0.24 cfs) cubic feet per second flow rate requiring measurement.

2. Measurements: N/A

E. FLOW CALCULATIONS

Measured Method: None

_____ Additional Computation Sheets Attached

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation: None, Permit 47-17127 is for Domestic use and does not include lawn, garden, landscape, or other types of irrigation

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 =$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} =$$

2. Volume Calculations for Other Uses: None, Domestic use is exempt from the volume reporting requirement per IDAPA 37.03.02 Beneficial Use Examination Rules.

G. NARRATIVE/REMARKS/COMMENTS

Application for Permit 47-17127 was filed on May ¹⁹ 5, 2004 by Matthew Bridges and Joan Hurlock for the diversion of 0.04 cfs from ground water for a low temperature geothermal (LTG) well for domestic use. From 2004-2018 several assignments of permit filed and an extension was granted with a final proof of beneficial use due date of March 1, 2019. On September 24, 2018 an assignment of permit was filed by Volere Instituto Corporation to Kenneth Mondfrans, the current owner of record. Mr. Mondfrans filed a Statement of Completion for Submitting Proof of Beneficial use on February 26, 2019. I called Mr. Mondfrans to set up an appointment to conduct the field exam and he instructed me to call his contractor, Mike Hampton, and to make arrangements with him. On May 3, 2019 I met with Mike Hampton at the property to perform the field exam. He explained how the system works and verified the point of diversion and place of use.

The point of diversion is approximately a 12 inch diameter well (A0004800 & D0002080) at the surface and reduces in diameter at two different depths, according to the well drillers report on file with the department. The well was drilled in January/February 1998 under drilling permit number 47-97-S-0117-000. Mr. Hampton indicated that Floyd Lilly Co. set up the diversion and injection for the well. The LTG water is piped from the well through a buried 1 ¼ inch poly pipe to a hydrant on the south side of the garage/residence. From the hydrant water is diverted through a pipe embedded in the floor slab of the garage and stair well. The heat radiates from the floor slab and up the stair well to the living area of the residence. The water returns to the well head through a 1 ¼ inch poly pipe direct-return line to approximately 280 feet and is injected to the bottom of the casing. The well has an artesian pressure of between 30-40 psi along with a ½ hp booster pump circulates the water through the system. During the summer months water may bypasses the floor slab and is diverted to the above residence for in-house-use only. The applicant has installed two meters to measure the flow of water from the well and the direct-return back into the well. The applicant has also obtained an injection well permit No. 47-W-118-001. The installation of the meters, injection of water into the well, and the injection permit complies with the requirements of the permit 47-17127. Photos of the site visit are included with this field report.

Have conditions of permit approval been met? ☒ Yes ☐ No

H. RECOMMENDATIONS**1. Recommended Amounts**

<u>Beneficial Use</u>	<u>Period of Use</u>	<u>Rate of Diversion</u>	
DOMESTIC	01/01 to 12/31	0.04 CFS	

Totals: 0.04 CFS

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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 ☒ None

I. AUTHENTICATION

Benny Walker - Senior Water Resource Agent

Field Examiner's Name Benny Walk Date 5/24/2019
 Reviewer _____ Date _____

State of Idaho
Department of Water Resources
Water Right License
47-17127

14E



-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections
-  Quarter Quarters

0 0.035 0.07 0.14 Miles

Field Exam 47-17127



Permit 47-17127



Above: One bedroom residence and garage

Below inside well house: Geothermal well, flow meters, supply, and return lines



Field Exam 47-17127