

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 21-13262

Exam Date: Aug. 27, 2024

1. Current Owner:
HENRYS LAKE OVERLOOK PROPERTY OWNERS ASSN 3872 OVERLOOK DR ISLAND PARK ID 83429-5049

2. Accompanied by: Karen Glenn
Phone No: 801-943-9969
Address: 3870 Overlook Dr, Island Park, ID 83429
Relationship to permit Holder: Current Property Association Board Member

3. **SOURCE:**
GROUND WATER

Method of Determination: See Well Log

B. OVERLAP REVIEW

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

Water Right No.	Source	Purpose of Use	Basis

Comments: _____

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

Water Right No.	Source	Purpose of Use	Basis

Comments: _____

C. DIVERSION AND DELIVERY SYSTEM

1. **LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER NW¼ SE¼, Sec. 33, Twp 16N, Rge 43E, B.M. Fremont County

Method of Determination:

Used PLSS records. Included aerial photography with PLSS indications. Visited the site and used GPS to confirm. See also the photo of well identification tag.

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	
16N	43E	33														X			

Method of Determination: Aerial photography, and lot maps provided by the association. The POU is correct and supported with aerial photography with PLSS indications.

3.

X Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.

X Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.

X Aerial Photo Attached (required for irrigation of 10+ acres).

X Photo of Diversion and System Attached

4.

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
D0048450					

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

2. Measurements:

E. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

Measured Method:

Permit is for 0.2 CFS. Direct measurement not required per IDAPA 37.03.02 Rule 35, Field Report r.iii

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$

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

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} =$$

2. Volume Calculations for Other Uses:

Volume Calculations were determined prior to ensure minimal impact to Water Right 21- 2100. It was determined by Clearwater Geosciences that 7500 gallons per 24 hours made minimal impact to the stream where WR 21-2100 sources (See in WR Docs). Permit is limited to 6400 gpd over a 1 month average. $6400 \text{ gpd} / 18 \text{ homes} = 355.55 \text{ gpd/home}$. $6400 \text{ gpd} \times 365 \text{ days (1 year)} = 2,336,000 \text{ g/year}$. $2,336,000 / 1 \text{ AF (325,850 gallons)} = 7.1689 \text{ AF}$. Rounding up to 7.2 AF for total per year volume for this water right.

IDWR Domestic Standard would allow .6 AF per home * 18 homes for in home use = 10.8 AF. The permit conditions would limit this water right to 7.2 AF for in home use. No irrigation is allowed under the water right.

G. NARRATIVE/REMARKS/COMMENTS

Permit conditions are met. Karen Glenn provided me access to daily water useage information. In conversations with the board member, it seems that a few residents are not concerned with the daily limit on water use. You can see some big use days in the data on their website. However, nothing has gone over the permitted limit, yet. I shared with them that they may consider finding ways to allow each home meter to be read when/if overuse or close to occurs, to allow for conversation to ensure no violation occurs.

Water is sourced from a well drilled in lot 3 of the association properties. Water is directed into the well house, the well housing directs water into a pressure tank, then through a flowmeter. The flowmeter is connected to a data logger transmitter that records gph and gpd in an online data system. The data can be accessed through the web at anytime and allows for a historic reading of flow. The water then flows out of the well house to the main line that serves Lots 1, 2, and 4-19, anticipated building lots. Each of these lots have a water connection/shut off valve and a meter to measure individual home usage. There is a fire suppression line that has connections at the well house, and 2 other spots to service the properties if the need arises. Lots 20 and 3 are common area and will not be irrigated. No irrigation is occurring, per water right permit conditions.

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>	<u>Annual Volume</u>
DOMESTIC	01/01 to 12/31	0.20 CFS	7.2 AF

<u>Beneficial Use</u>	<u>Period of Use</u>	<u>Rate of Diversion</u>	<u>Annual Volume</u>
DOMESTIC	01/01 to 12/31	0.20 CFS	7.2 AF

Totals: 0.20 CFS 7.2 AF

2. Recommended Amendments

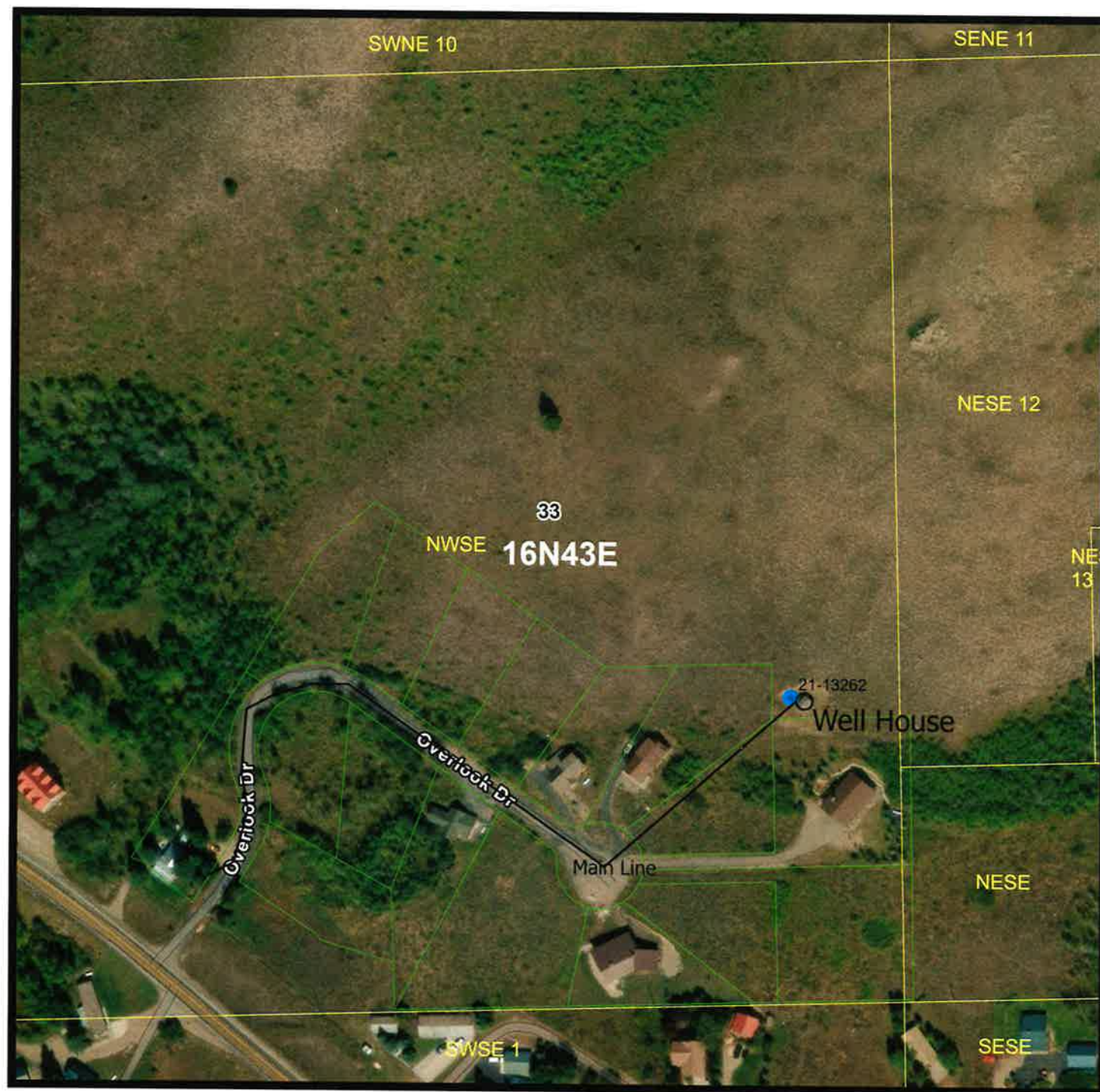
____ Change P.D. as reflected above ____ Add P.D. as reflected above X None
____ Change P.U. as reflected above ____ Add P.U. as reflected above X None

I. AUTHENTICATION Jonathan Davidson - Water Resource Agent

Field Examiner's Name Jonathan Davidson Date 10-10-2024
Reviewer Blake Jordan Date 10/10/2024

Legend

- 21-13262 POI
- Township/Range
- Sections
- QQ
- 21-13262 POD



Well House





Fire suppression, 3 hook ups similar to this one located throughout subdivision



Each of the 18 buildable lots has a water connection/Shut off valve/ and water meter.



Well Location, well house to the right of picture



Drillers Well ID tag

Flow (gal/day)

