

STATE OF IDAHO  
DEPARTMENT OF WATER RESOURCES  
**BENEFICIAL USE FIELD REPORT**

**A. GENERAL INFORMATION**

**Permit No:** 22-13771  
**Exam Date:** 07/28/2020

1. Current Owner:  
WEST RIDGE RANCH HOMEOWNERS ASSOCIATION INC C/O GRANT DURTSCHI  
1392 N 695 E SHELLEY ID 83274
2. Accompanied by: Tammy Clarke  
Phone No: (208) 456-2088  
Address: 8724 West Ridge Road Tetonia, ID 83452  
Relationship to permit Holder: West Ridge Ranch Homeowners Association Board Member

3. **SOURCE:**  
GROUND WATER

**Method of Determination:** Site Visit

**B. OVERLAP REVIEW**

1. Other water rights with the same place of use: YES Overlap

Water Right No.	Source	Purpose of Use	Basis
22-13631	GROUNDWATER	DOMESTIC	PERMIT

Comments: Water use is for ½ acre of irrigation associated with domestic homes.

2. Other water rights with the same point-of-diversion: YES Overlap

Water Right No.	Source	Purpose of Use	Basis
22-13631	GROUNDWATER	DOMESTIC	PERMIT

Comments: \_\_\_\_\_

**C. DIVERSION AND DELIVERY SYSTEM**

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

GROUND WATER L4 ( NW¼ NW¼), Sec. 4, Twp 05N, Rge 44E, B.M. TETON County  
GROUND WATER SW¼ NW¼, Sec. 4, Twp 05N, Rge 44E, B.M. TETON County

Method of Determination: Site Visit and GPS

**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	
05N	44E	4		X L2	X		X L3	X L4	X	X									
06N	44E	33											X	X					

Method of Determination: Site Visit and GPS

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.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
WELL 1					

**D. FLOW MEASUREMENTS**

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Portable flow meter	Ultrasonic	G.E.	TransPort PT878			

2. Measurements:

**E. FLOW CALCULATIONS**

\_\_\_\_\_ Additional Computation Sheets Attached

Measured Method:

Used a Portable Ultrasonic flow meter.

207 gpm maximum instantaneous flow

**F. VOLUME CALCULATIONS**

1. Volume Calculations for 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:

Domestic use is for ½ acre irrigation per home for 120 homes.

$$\frac{1}{2} \text{ acre irrigation} = 0.6 \text{ afa}$$

$$120 \text{ homes} \times 0.6 \text{ afa} = 72.0 \text{ afa}$$

**G. NARRATIVE/REMARKS/COMMENTS**

A beneficial use field investigation was performed in order to complete the licensing process and to correct gaps in information from the June 3, 2017 field investigation. All the same conditions exist as stated in the 2017 field report. Two wells have been drilled and one is currently in use. The water is pumped directly into the 120,000 gallon storage tank. The installed flow meter is a McCrometer mechanical flow meter. A max diversion of 207 gpm of instantaneous flow from Well 1 was observed using a portable ultrasonic meter. Photos and GPS locations of the pump house, Well 1 and 2, the storage tank, and the overall subdivision were taken. Water right 22-13771 is for ½ acre of irrigation associated with the 120 homes. Rights 22-13631 and 22-13771 when combined are limited to 0.46 cfs.

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	0.46 CFS	72.0 AF

**Totals:** 0.46 CFS 72.0 AF

**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**

Jared Adamson - Water Resource Agent, Senior

Field Examiner's Name

Date

8/11/2020

Reviewer



Date

8/12/2020

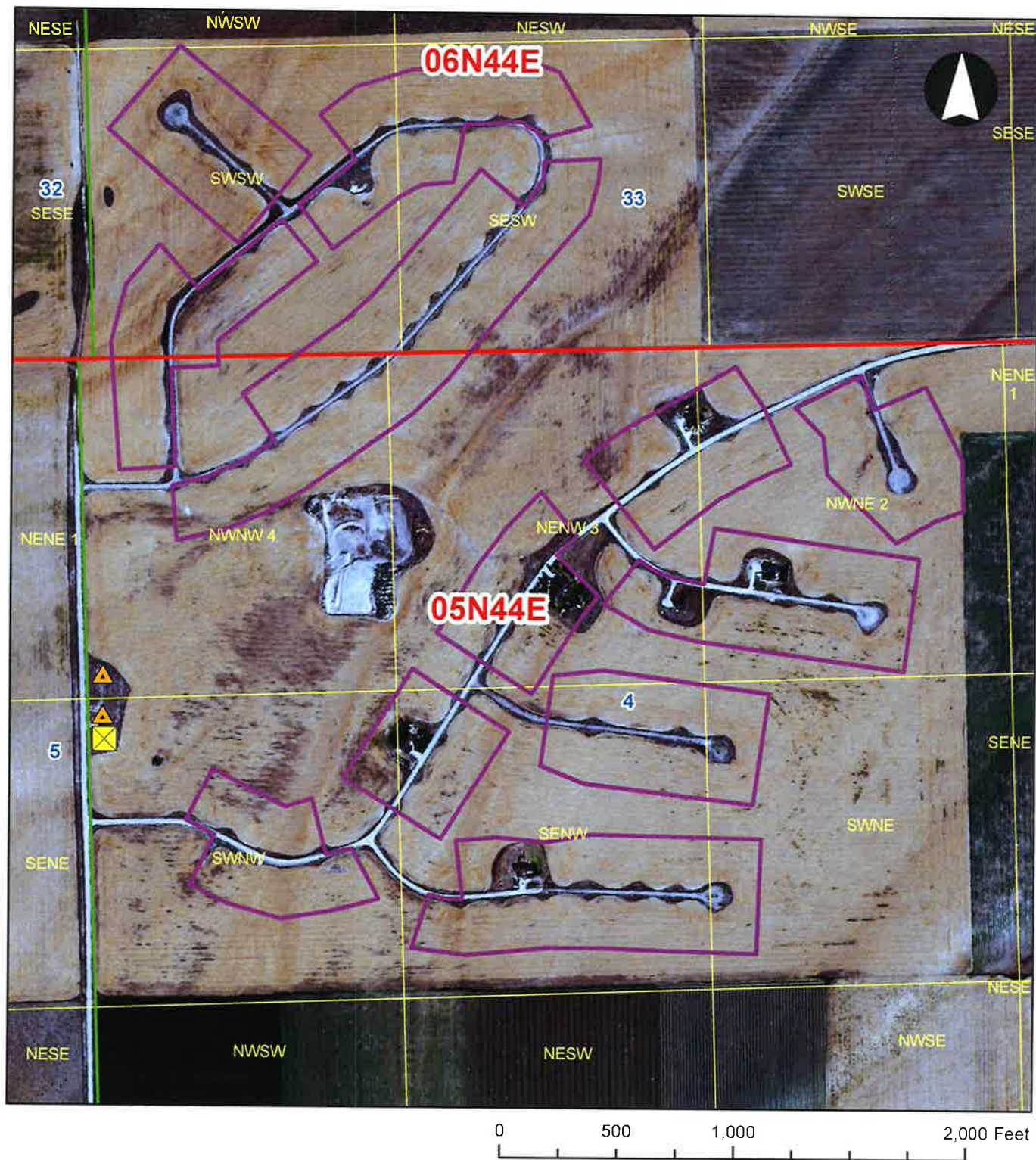
# State of Idaho - Department of Water Resources



## Beneficial Use Field Exam 22-13771 & 22-13631

-  POD
-  Storage Tank
-  West Ridge POU
-  Township/Range
-  Sections
-  QQ

Imagery Date:  
2019





Photos



Well 1



Well 2

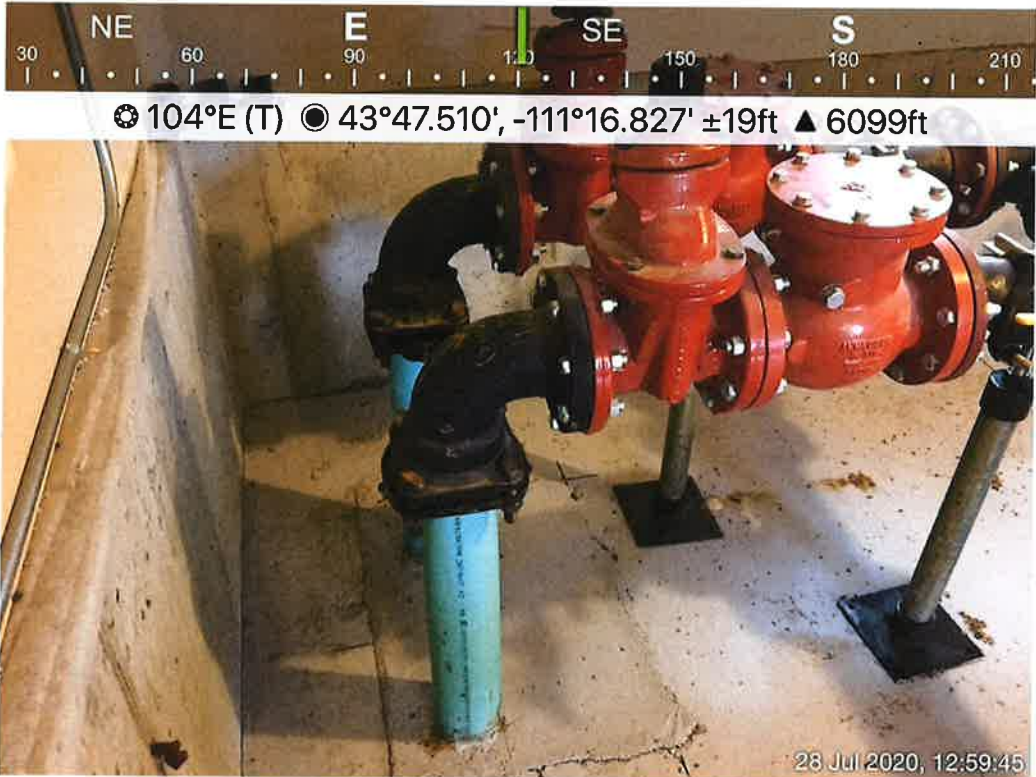
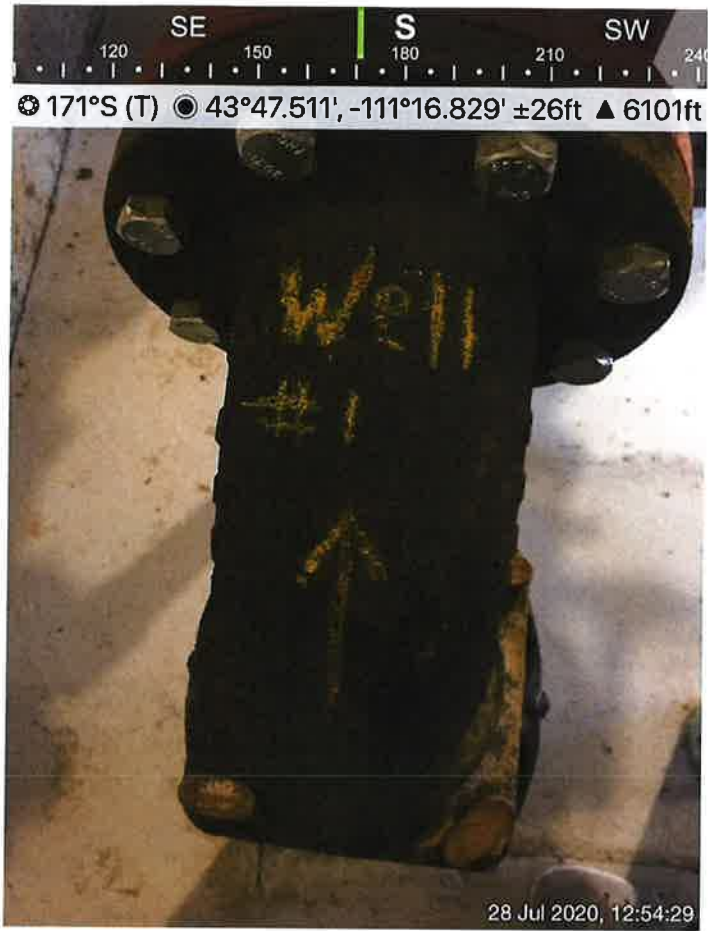


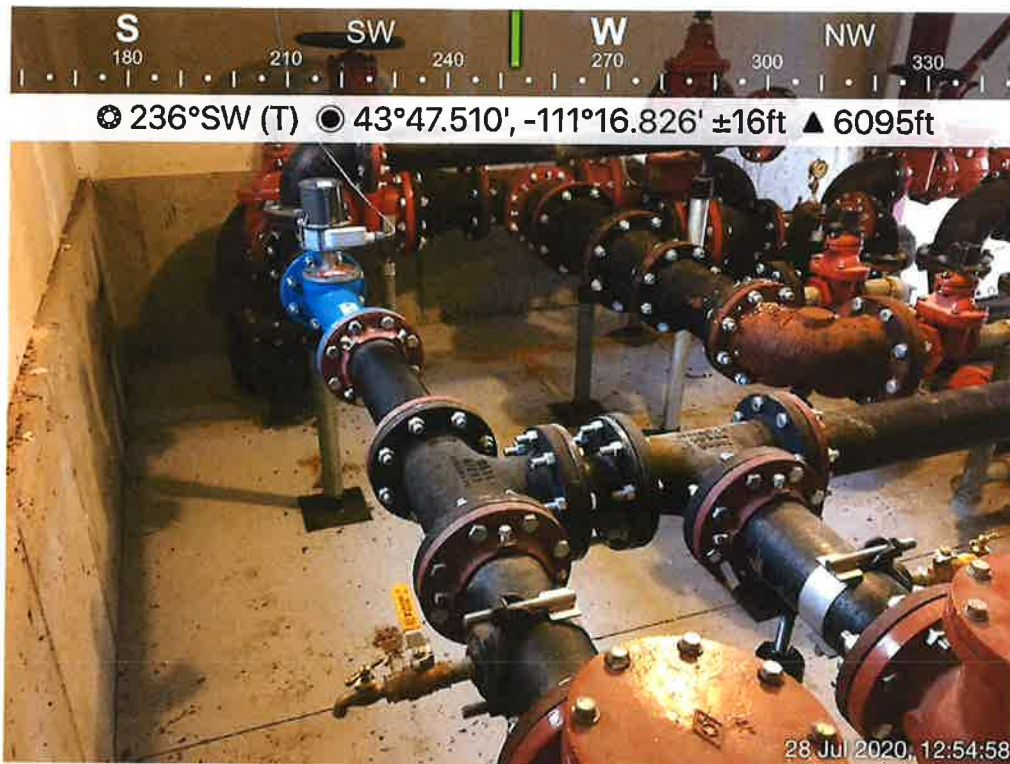
Pump house



Storage tank access hatches





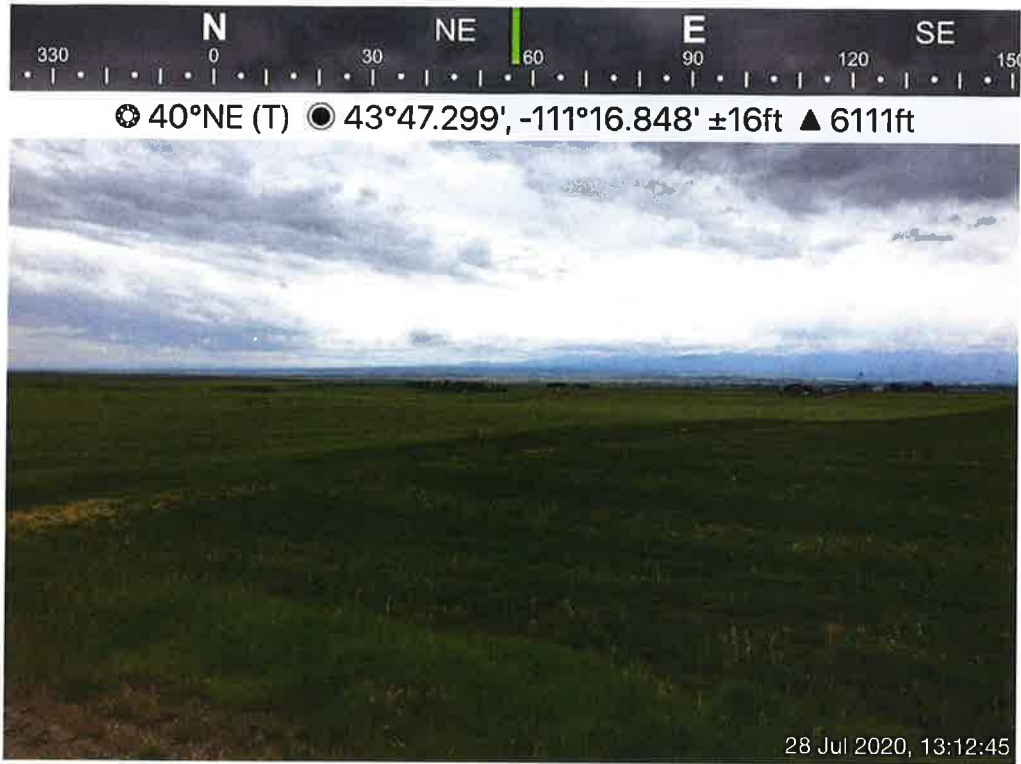


Flow meter



Inside of pump house





View of subdivision from the south west.