

STATE OF IDAHO  
DEPARTMENT OF WATER RESOURCES  
BENEFICIAL USE FIELD REPORT

**A. GENERAL INFORMATION**

Permit No: 47-07169

Exam Date: 6/6/1996

1. Current Owner:  
ED YRAGUI PO BOX 975 TWIN FALLS ID 83303-0975 (208) 733-3988
2. Accompanied by: Visited property with permission from Michelle Fletcher.  
Phone No: 208-733-3988  
Address: PO BOX 975  
Relationship to Permit Holder: Ed Yragui's granddaughter and a trustee of the Yragui estate.
3. **SOURCE:**  
GROUND WATER

**TRIBUTARY:****B. OVERLAP REVIEW**

1. Other water rights with the same place of use: No Irrigation Rights; 47-14440 (Stockwater in NWSW of Sec. 26, Twp 14S, Rge 15E only).
2. Other water rights with the same point-of-diversion: N/A

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

GROUND WATER NW¼SW¼ Sec. 26, Twp 14S, Rge 15E, B.M. TWIN FALLS County

Method of Determination: On-site visit and GPS coordinates.

2.

**PLACE OF USE:** IRRIGATION

| Twp | Rge | Sec | NE |     |    |    | NW   |      |    |    | SW   |      |      |    | SE |     |    |    | Totals |
|-----|-----|-----|----|-----|----|----|------|------|----|----|------|------|------|----|----|-----|----|----|--------|
|     |     |     | NE | NW  | SW | SE | NE   | NW   | SW | SE | NE   | NW   | SW   | SE | NE | NW  | SW | SE |        |
| 14S | 15E | 26  |    | 0.8 |    |    | 35.0 | 33.0 |    |    | 34.0 | 33.0 | 33.0 |    |    | 0.6 |    |    | 169.4  |
| 14S | 15E | 35  |    |     |    |    |      | 0.3  |    |    |      |      |      |    |    |     |    |    | .3     |

Total Acres: 169.7

**PLACE OF USE:** STOCKWATER

| Twp | Rge | Sec | NE |    |    |    | NW |    |    |    | SW |    |    |    | SE |    |    |    | Totals |
|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------|
|     |     |     | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE |        |
| 14S | 15E | 26  |    |    |    |    |    |    |    |    |    | X  |    |    |    |    |    |    |        |

Method of Determination: Utilizing satellite imagery in ArcMap and Google Earth and on-site inspection.

3.

Delivery System Diagram Attached (required). Indicate all major components and distances between components.

X 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 |
|---------------------------|------------|-----|------------------|-----------|-----------------------------------|
| PODID 928890              | G.E.       | 250 | 5K6325XC98A      | Unknown   |                                   |

\*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 |
|-----------------------|------------------|------------|-----------|------------|------|-------------|
| Tyme-Flyte            | Ultrasonic Meter | Polysonics |           | 149744     |      | 06/06/2009  |

2. Measurements: On 06/06/1996 Dan Nelson measured a total flow rate of 2000 gpm, or **4.45 cfs** from the well. The permit was originally permitted for 4.0 cfs & 200 acres of Irrigation, which has been split into two permits: this permit, 47-7169 will retain 169.7 acres of irrigation (0.848 percent of the original 200 acres) resulting in a permitted flow rate of:  $0.848\% \times 4.0 \text{ cfs} = 3.39 \text{ cfs}$ .

**E. FLOW**

Additional Computation Sheets Attached

**CALCULATIONS**

Measured Method: Theoretical Yield:

$$Q = \frac{8.8 \times (\text{Hp}) \times (\text{Eff})}{H}$$

H

Where Hp =

Eff = Efficiency = 70% assumed

H = total head = pumping level + (2.31 x system pressure)

$$H = 340' + (0 \times 2.31) = 340' \text{ (open discharge = 0 pressure; pumping level from Proof of Beneficial Use form)}$$

$$Q = \frac{8.8 \times 250 \times .70}{340} = 4.53 \text{ cfs}$$

**F. VOLUME CALCULATIONS**

1. Volume Calculations for Irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 169.7 \text{ acres} \times 4.0 \text{ A.F.A.} = 678.8 \text{ acre feet}$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 3.39 \text{ cfs} \times 214 \text{ days} \times 1.9835 = 1438.9 \text{ a. f.}$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = 678.8 \text{ a. f.}$$

2. Volume Calculations for Other Uses: N/A

**G. NARRATIVE/REMARKS/COMMENTS**

The original field exams and well measurements for this permit and permit 47-7170 (permitted on adjacent properties), were performed on 06/06/1996. For various reasons over the years, both permits which are owned by Ed Yragui, were never licensed. After reviewing these permits this last fall, it was decided by Corey Skinner and myself that a new attempt at licensing these two permits should be started. I made several attempts at contacting Mr. Yragui by phone to no avail and eventually sent a letter to his address of record. After several weeks had passed, I received a call from his attorney, Mr. Russ Kvanvig and he indicated that Mr. Yragui was recovering from surgery, but had indicated to him that he would like us to proceed with licensing these permits. A meeting was scheduled with Mr. Kvanvig and Michelle Fletcher (Mr. Yragui's daughter) to discuss the permits on 12/12/2018. Unfortunately, Mr. Yragui passed away prior to the meeting. At the meeting it was emphasized how important licensing these permits had become due to Mr. Yragui's passing, as his estate will now be owned by multiple parties that apparently want to sell the properties.

On 01/16/2019, Corey Skinner and I went out to the permitted properties to do a follow up exam of the well location, stockwater use and extent of irrigation. We found a diversion system that pumps water from the well and discharges it into an irrigation/stockwater pond. Then two lift pumps deliver water from the pond out to two pivots. Based on that trip and previous reviews of aerial imagery, we also found that although this was originally permitted for 200 acres, only 169.7 acres were developed on the Yragui property. Meanwhile, more than the 200 acres authorized under permit 47-7170 had been developed on adjacent grounds. At the afore-mentioned meeting, the possibility of splitting this permit and licensing part of the additional acres developed on property owned by Mr. Yragui and adjacent to grounds permitted under 47-7170 had been discussed. After our visit to the properties, Corey contacted all parties involved and it was decided to move forward and split the permit as previously discussed. This resulted in two license amendments: This one, 47-7169, for 169.7 acres, 3.39 cfs flow rate and a volume of 678.8 acre feet annually and 47-17686, for 30.3 acres, 0.61 cfs and 121.2 acre feet annually, which would be diverted from a different well and irrigation system that is also the same system used to divert ground water under 47-7170.

Looking at the Stockwater use under this permit, it was clear when visiting the property that there were no troughs associated with this point of diversion, only an irrigation pond that the cattle have been using for drinking water (cattle were observed at the irrigation pond). Therefore, the NWSW of Sec. 26, Twp 14S, Rge 15E, where the irrigation pond is located will be the only parcel licensed for Stockwater use under this license. It should be noted there is a Stockwater right, 47-14440, appurtenant to the NWNW of Sec. 26 where there is also irrigation under this permit. There are stockyards and numerous troughs present there that divert water from a separate well located in the NWNWNW of Sec. 26. Additionally, there was no indication of cattle or troughs on the adjacent grounds where the split portion, 47-17686 will be licensed, so that portion will be licensed for irrigation use only.

I recommend amending this license to correct the distribution of acres as reflected in part 2 of page 1 of this field report. I'm recommending 3.39 cfs for the irrigation of 169.7 acres, with a volume of 678.8 acre feet annually; 0.02 cfs for stockwater use, with a total diversion rate of 3.39 cfs and annual volume of 678.8 a.f. and adding a condition at licensing limiting stockwater use to 13,000 gallons per day.

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> |
|-----------------------|----------------------|-----------------------|----------------------|
| IRRIGATION            | 04/01 to 10/31       | 3.39 CFS              | 678.8                |
| STOCKWATER            | 01/01 to 12/31       | 0.02 CFS              |                      |
|                       | <u>Totals:</u>       | 3.390 CFS             | 678.8                |

**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**

Field Examiner's Name

*Matt & Mike*

Date

*2-11-19*

Reviewer

*Agustin*

Date

*2/19/19*



Figure 1: The well



Figure 2: POD and pipeline to irrigation/stockwater pond



Figure 3: Outlet of pipe from well and irrigation/stockwater pond

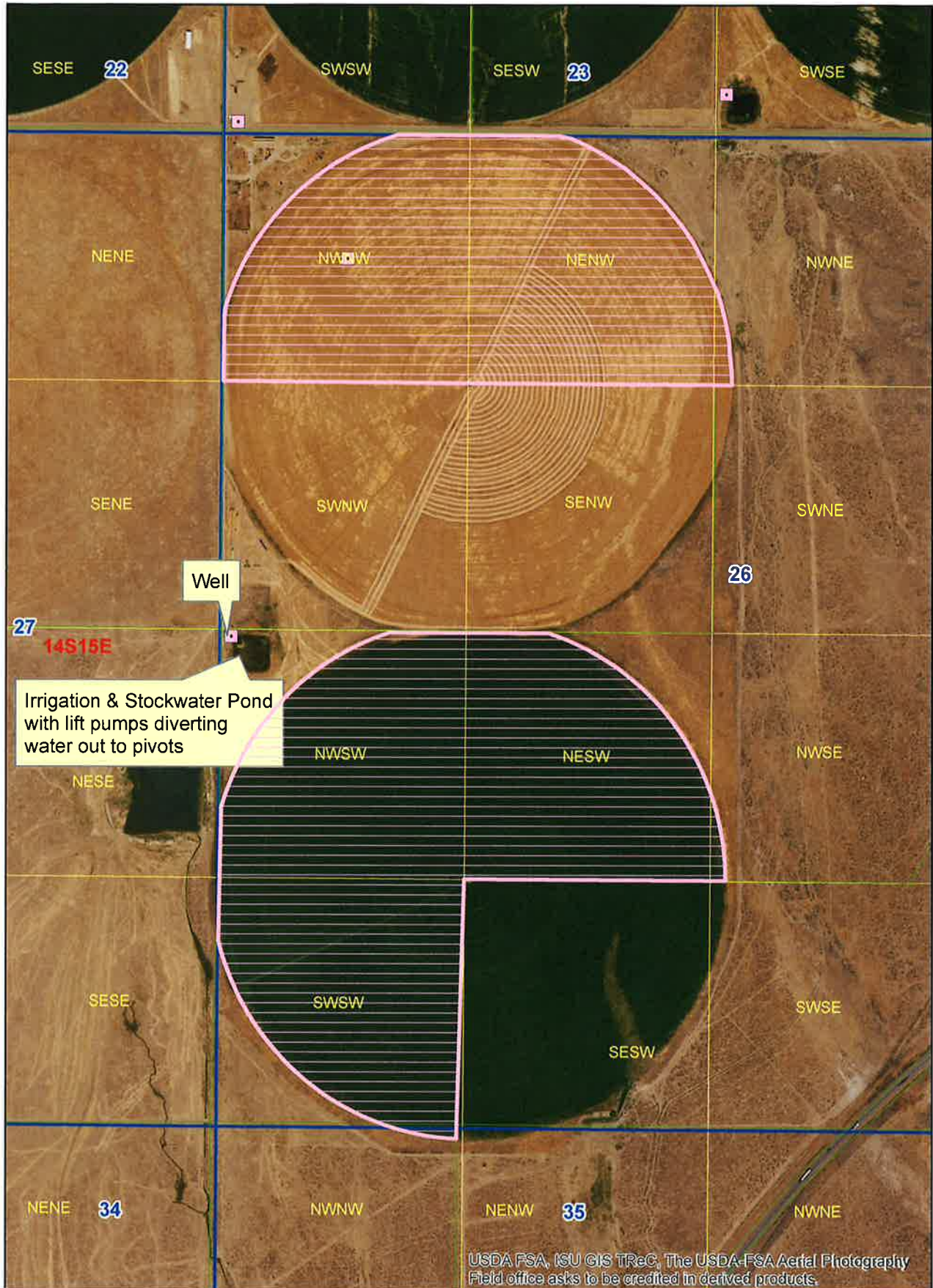


Figure 4: Cattle at the stockwater pond and lift pumps



Figure 5: Looking southwest across the north pivot from northeast pivot corner

# System Diagram 47-7169



Attachment #1

Time-Flite Measurement for 47-7169 POD 6/6/1996

07169

MODE SELECT  
INPUT

OUTER DIAMETER  
10.070 IN

PIPE MATERIAL  
? CS,SS

WALL THICKNESS  
0.1000 IN

INNER LINING  
? NO LING.

KIND OF FLUID  
? WATER

SENSOR MOUNTING  
? U

TYPE OF SENSOR  
? SMALL

DATA CHANGE  
? NO

SPACING  
7.567 IN U

ZERO MODE  
CLEAR

ZERO MODE  
AUT ZERO

ZERO MODE  
ZERO OPR

06-06 09:3000 \*R  
+002.70 % AI2

MODE SELECT  
T0 CHECK

06-06 09:3100 \*R  
- 2.008E 3GPM

06-06 09:3200 \*R  
- 1.991E 3GPM

06-06 09:3200 \*R  
- 1.996E 3GPM

06-06 09:3200 \*R  
- 2.005E 3GPM

06-06 09:3200 \*R  
- 2.007E 3GPM

06-06 09:3200 \*R  
- 2.002E 3GPM

*Substitute  
Sec 26*