

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 47-17543

Exam Date: 8/16/2012

1. Current Owner: COUNTRY ACRES WATER CO
C/O BEULAH TODD
3809 N 2500 E
FILER ID 83328
(208)734-1740
2. Accompanied by: Beulah Todd
Phone No: (208) 734-1740
Address: 3809 N 2500 E, Filer ID 83328
Relationship to Permit Holder: Permit Holder

3. **SOURCE**

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 47-7936
2. Other water rights with the same point of diversion: 47-7936

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

GROUND WATER

SE1/4SE1/4

Sec. 15, Twp 10S, Rge 16E, B.M.

TWIN FALLS County

Method of Determination: Waypoints were collected with a Garmin GPSmap 60CSx receiver and downloaded into an ArcMap shapefile that corresponds with 2009 and 2011 aerial photography and verified the point of diversion to be in Twp 10S Rge 16E S 15 SESE¼. See attached map.

2.

PLACE OF USE: DOMESTIC

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>	
10S	16E	15																	X

Method of Determination: Tracks were collected with a Garmin GPSmap 60CSx receiver and downloaded into an ArcMap shapefile that corresponds with 2009 and 2011 aerial photography and verified the place of use to be in Twp 10S Rge 16E S 15 SESE¼. See attached map.

3. ___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**

_____ 2 HP _____

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS - None**E. FLOW CALCULATIONS**

_____ Additional Computation Sheets Attached

Measured Method: Theoretical yield:

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

Where: Hp = 2 Hp (per Owner and IDWR records)

Eff = efficiency = 70% assumed

H = total head = pumping level = (2.31 x system pressure)
 assume pumping level of 63 feet (based on IDWR records)
 assume system pressure = 50 psi

$$H = 63 + (50 \times 2.31) = 178.5$$

$$Q = \frac{8.8 \times 2 \times .70}{178.5} = 0.07 \text{ cfs}$$

F. VOLUME CALCULATIONS

1. Volume Calculations for Other Uses: Domestic irrigation, 1.75 acres total irrigable acres with 1 acre irrigation licensed under 47-7936:

$$0.75 \text{ acres} \times 4.0 = 3.0 \text{ AFA}$$

G. NARRATIVE/REMARKS/COMMENTS

Application for permit 47-17543 submitted by Country Acres Water Co. C/O Beulah Todd, was submitted on August 9, 2010 and proof of beneficial use was submitted September 12, 2011.

Water Right 47-7936 was licensed for irrigation of 1 acre and for domestic use for 5 homes. The domestic component of this right was conditioned not to include any additional irrigation. Permit 47-17234 seeks to authorize the irrigation of an additional 1.5 acres to allow for 0.5 acre irrigation for all 5 of the 0.5 acre lots. I calculated approximately 1.75 acres of irrigable lands after removing the hard surface areas from all 5 lots. As 1 acre is already licensed, I recommend licensing an additional 0.75 acres at a volume of 4.0 acre feet per acre for a total volume of 3.0 acre feet.

I have conditioned right 47-7936 and this right together for a total diversion rate of 0.07 cfs and the irrigation of 1.75 acres.

Recommend licensing 0.07 cfs with a volume of 3.0 af.

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>
DOMESTIC	01/01 to 12/31	0.070 CFS	3.0 AF
<u>Totals:</u>		0.070 CFS	3.0 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 ___ Other

I. AUTHENTICATION

Field Examiner's Name

Date

8-17-12

Reviewer

Date

8-17-12

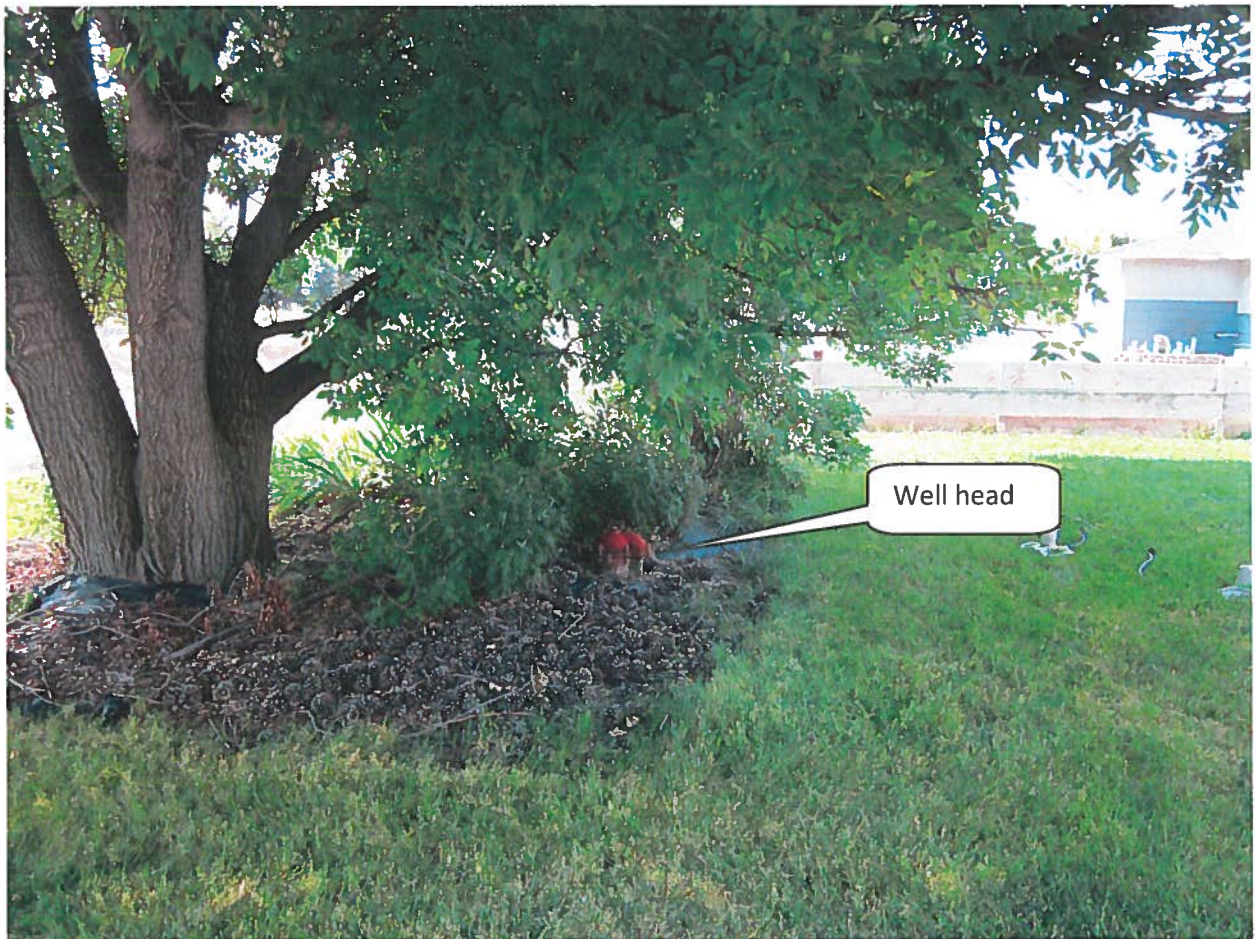


Figure 1: Well Head in front yard of 3803 N. 2500 E.

State of Idaho
Department of Water Resources

Attachment To Water Right License

47-17543

This map depicts the DOMESTIC place of use boundary for this water right at the time of this approval and is attached to the approval document solely for illustrative purposes.

R16E



0 0.04 0.08 0.16 Miles

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

