

### A. GENERAL INFORMATION

Permit No: 23-7025

Exam Date: 9/2/2005

1. Current Owner: US DEPT OF AGRICULTURE  
FOREST SERVICE  
324 25TH ST

OGDEN UT 84401  
(801)625-5360

2. Accompanied by: TALKED TO DOUG JOLLEY  
Phone No: 535-2252  
Address:  
Relationship to Permit Holder:

- | 3. <u>SOURCE</u> | <u>TRIBUTARY</u> |
|------------------|------------------|
| GROUND WATER     |                  |

## B. OVERLAP REVIEW

1. Other water rights with the same place of use: 2.3-4012  
2. Other water rights with the same point of diversion: NONE

### C. DIVERSION AND DELIVERY SYSTEM

1. LOCATION OF POINT(S) OF DIVERSION:

GROUND WATER NW/4NW1/4 Sec. 8, Twp 03S, Rge 46E, B.M.  
BONNEVILLE County

Method of Determination: GAS/DEQ TAG 7100036  
E0009016

- 2.

**PLACE OF USE:** DOMESTIC

| Twp | Rge | Sec | <b>NE</b>        |                  |                  |                  | <b>NW</b>        |                  |                  |                  | <b>SW</b>        |                  |                  |                  | <b>SE</b>        |                  |                  |                  | <b>Totals</b> |
|-----|-----|-----|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|---------------|
|     |     |     | <b><u>NE</u></b> | <b><u>NW</u></b> | <b><u>SW</u></b> | <b><u>SE</u></b> | <b><u>NE</u></b> | <b><u>NW</u></b> | <b><u>SW</u></b> | <b><u>SE</u></b> | <b><u>NE</u></b> | <b><u>NW</u></b> | <b><u>SW</u></b> | <b><u>SE</u></b> | <b><u>NE</u></b> | <b><u>NW</u></b> | <b><u>SW</u></b> | <b><u>SE</u></b> |               |
| 03S | 46E | 5   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | X<br>L 10        |                  |                  |                  |                  |               |
| 03S | 46E | 8   |                  | X<br>L 2         | X<br>L 3         |                  | X                |                  |                  | X                |                  |                  |                  |                  |                  | X                |                  |                  |               |

## Method of Determination:

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.

| <u>Well or Diversion<br/>ID No.*</u> | <u>Motor Make</u> | <u>Hp</u> | <u>Motor Serial No.</u> | <u>Pump Make</u> | <u>Pump Serial No. or Discharge<br/>Size</u> |
|--------------------------------------|-------------------|-----------|-------------------------|------------------|----------------------------------------------|
|                                      | Gold              | 2HP       |                         |                  |                                              |
|                                      |                   |           |                         |                  |                                              |
|                                      |                   |           |                         |                  |                                              |
|                                      |                   |           |                         |                  |                                              |

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

## D. FLOW MEASUREMENTS

1.

| <u>Measurement<br/>Equipment</u> | <u>Type</u> | <u>Make</u> | <u>Model No.</u> | <u>Serial No.</u> | <u>Size</u> | <u>Calib. Date</u> |
|----------------------------------|-------------|-------------|------------------|-------------------|-------------|--------------------|
|                                  |             |             |                  |                   |             |                    |
|                                  |             |             |                  |                   |             |                    |

2. Measurements:

standard for 34 homes = 0.28 CFS

## E. FLOW CALCULATIONS

Measured Method:

☐ Additional Computation Sheets Attached

$$CFS = \frac{2hp(6.16)}{108} = 0.11 \text{ CFS}$$

open discharge  
into tanks

**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:

$$34 \text{ homes} \times 0.6 \text{ AF} = 20.4 \text{ AF}$$

Seasonal use with small lawns

**G. NARRATIVE/REMARKS/COMMENTS**

well/pump to two large vault tank and 34 summer homes with small lawns allowed.  
2 HP gold pump

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       | 0.110 CFS             | 20.40 AF             |
| <u>Totals:</u>        |                      | 0.110 CFS             | 20.40 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 ☐ Other

**I. AUTHENTICATION**

Field Examiner's Name DAVE CARLSON Date 9/14/2005

Reviewer \_\_\_\_\_ Date \_\_\_\_\_

23-1025

