

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

**A. GENERAL INFORMATION**

Permit No: 22-7320

Exam Date: 9/10/2007

1. Current Owner: CRAPO FARMS INC  
1908 E 500 N  
ST ANTHONY ID 83445  
(208)624-3293

*Valley View Ranch*

2. Accompanied by:

Phone No:

Address:

Relationship to Permit Holder:

*TALKED TO CONN CRAPO*

- 3.
- SOURCE

TRIBUTARY

GROUND WATER

**B. OVERLAP REVIEW**

1. Other water rights with the same place of use: *22-630, 22-7118, 22-7354*  
2. Other water rights with the same point of diversion: *22-7354*

**C. DIVERSION AND DELIVERY SYSTEM**

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

|     |                |               |                                 |
|-----|----------------|---------------|---------------------------------|
| # 1 | GROUND WATER   | L4 SW1/4SW1/4 | Sec. 18, Twp 06N, Rge 43E, B.M. |
|     | MADISON County |               |                                 |
| # 2 | GROUND WATER   | SE1/4NW1/4    | Sec. 19, Twp 06N, Rge 43E, B.M. |
|     | MADISON County |               |                                 |
| 3   | GROUND WATER   | SW1/4SE1/4    | Sec. 18, Twp 06N, Rge 43E, B.M. |
|     | MADISON County |               |                                 |

Method of Determination: *GPS*

- 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   |        |
| 06N | 43E | 17  |      |      |      |      |      |      |      |     | 35.0 | 34.0 | 34.0 | 34.0 |      |      |      |      | 137.0  |
| 06N | 43E | 18  |      |      |      |      |      |      | 24.0 |     | 39.0 | 28.0 | 27.0 | 38.0 | 34.0 | 34.0 | 34.0 | 34.0 | 292.0  |
|     |     |     |      |      |      |      |      |      | L 2  |     |      |      | L 3  | L 4  |      |      |      |      |        |
| 06N | 43E | 19  | 35.0 | 39.0 | 34.0 | 35.0 | 39.0 | 21.5 |      | 1.0 |      |      |      |      |      |      |      |      | 204.5  |
|     |     |     |      |      |      |      |      | L 1  |      |     |      |      |      |      |      |      |      |      |        |

Total Acres: 633.5

Method of Determination:

3. \_\_\_\_\_ 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.

| <u>Well or Diversion 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 Size</u> |
|----------------------------------|-------------------|-----------|-------------------------|------------------|------------------------------------------|
| # 3                              | 400               | hp        | US Motors               |                  |                                          |
| # 1                              | ?                 | ?         | submersible pump        |                  |                                          |
| # 2                              | ?                 | ?         | submersible pump        |                  |                                          |

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

**D. FLOW MEASUREMENTS**

1.

| <u>Measurement 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:

well #3 measured at 3.79 cfs

well #1 measured at .66 cfs

well #2 measured at .34 cfs

**E. FLOW CALCULATIONS**

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

Measured Method:

well #1 measured with poly sonic meter @ .66 cfs

well #2 measured with poly sonic meter @ .33 cfs

**F. VOLUME CALCULATIONS**

## 1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 160 \times 3.5 = 360$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 1.1(214)(1.9835) = 467$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 467$$

## 2. Volume Calculations for Other Uses:

**G. NARRATIVE/REMARKS/COMMENTS**

three well/pumps to sprinklers and pivots.  
 overlap with srba recommendations 22-630, 22-7118, 22-7354  
 owner valley view ranch conn crapo same address.  
 22-7354 is a ground water right for one of the same three wells.  
 it was measured at 3.79 cfs on its field exam.  
 the two new wells were measured a .34 cfs and 0.64 cfs with a sonic meter.

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       | 1.100 CFS             | 467.00 AF            |
| <u>Totals:</u>        |                      | 1.100 CFS             | 467.00 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 10/2/2007

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