

| 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> |        |
| 15S | 41E | 18  |           |           |           |           |           |           |           |           | X         | X         | X         | X         |           |           |           |           |        |
|     |     |     |           |           |           |           |           |           |           |           |           | L 3       | L 4       |           |           |           |           |           |        |
| 15S | 41E | 19  |           |           |           |           | X         | X         | X         |           |           |           |           |           |           |           |           |           |        |
|     |     |     |           |           |           |           |           | L 1       | L 2       |           |           |           |           |           |           |           |           |           |        |

## 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> |
|--------------------------------------|-------------------|-----------|-------------------------|------------------|----------------------------------------------|
| 700355                               |                   |           |                         |                  |                                              |
|                                      |                   |           |                         |                  |                                              |
|                                      |                   |           |                         |                  |                                              |
|                                      |                   |           |                         |                  |                                              |

\*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> |
|----------------------------------|-------------|-------------|------------------|-------------------|-------------|--------------------|
| Current Meter                    | Pigmy       |             |                  | 090168            |             |                    |
|                                  |             |             |                  |                   |             |                    |

2. Measurements:

Storage Tank Overflow Q = 0.48 cfs  
 Spring overflow = 90 GPM or 0.20 Cfs

**E. FLOW CALCULATIONS**☐ Additional Computation Sheets Attached

Measured Method:

Spring overflow is 90 GPM = 0.20 cfs; The storage tank overflow is 0.48 cfs with a total of 0.68 cfs for both, limited to 0.20 cfs by permit

**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:

47 campsites and 15 homes, no irrigation total of 62 domestics without irrigation

$$62 \times 0.60 = 37.2 \text{ afa}$$

**G. NARRATIVE/REMARKS/COMMENTS**

Collection pipe from spring to 30,000 gal (~0.09 af) storage tank with mainline to 85 lots. These lots are within Cub River Acres Division I (55 lots) and Cub River Acres Division 2 (30 lots) with a total of 85 lots. No irrigation. All lots have water supplied to them.

At the time of the exam there were 17 lots occupied. Cub River Acres Division # 1 lots 5, 9\*, 10\*, 18, 19, 20\*, 51, 70, 74, 76, 77, 78, and 106; in Cub River Acres Division # 2 lots 44, 85, 87, and 119 (lots with \* were assumed. Lots 9 and 10 were considered camp sites

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       | 0.200 CFS             | 37.20 AF             |
| <u>Totals:</u>        |                      | 0.200 CFS             | 37.20 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 Keith Wilson & Lee Simons Date June 4, 1998

Reviewer Nate Arave *Nate Arave* Date April 18, 2007 *4-18-2007*

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

**A. GENERAL INFORMATION**

1. Owner: Cub River Acres % LARRY BECKSTEAD (WATERMASTER) Permit No. 13-07514  
Current Address: P.O. Box 227, Preston Id 83263 Phone No. \_\_\_\_\_  
2. Accompanied by: LARRY Beckstead EXAM. DATE: 6/4/1998  
Address: SAME Phone No. 852-1422  
Relationship to Permit Holder: Water master 852-2545  
3. Source: Spring tributary to Litz Creek

**B. OVERLAP REVIEW**

1. Other water rights with same place of use: 13-7021 (Groundwater) 13-7028 (Spring)  
\_\_\_\_\_ ☐ Copies Attached  
2. Other water rights with same point of diversion: 13-7028 (Spring)  
\_\_\_\_\_ ☐ Copies Attached ☐ Copies of Field Exam's Attached

**C. SYSTEM DESCRIPTION**

1. **Diversion System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable. ☐ Alternative diagram attached



STORAGE  
TANK

Scale: 1" = \_\_\_\_\_

2. ☐ Copy of U.S.G.S. Quadrangle Attached  
Showing location(s) of point(s) of diversion and  
place(s) of use (required). ☐ Aerial Photo Attached  
(required for irrigation of 10 acres or more).  
☒ Photo of Diversion and System Attached  
(required for all but single household domestic groundwater, and stockwater).

### System Description (continued)

3. **Narrative:** Description (As operating at time of measurement. Indicate pressure, number of sprinklers, etc.)

Collection pipe from Spring to 30,000 gal storage tank with mainline to 85 Lots within Cub River Acres Division 1 (55) & Cub River Acres Division 2 (30) total of 85 Lots. No irrigation. All Lots have water supplied to them

At the time of the exam there were 17 lots occupied. Cub River Acres Division #1 Lots 5, 9, 10, 18, 19, 26, 51, 70, 74, 76, 77, 78 & 106. Cub River Acres Division #2 Lots 44, 85, 87 & 119. (\* Lot #'s were assumed) Lots #9 & 10 were considered as campsites

☐ See Remarks on page 4 for continuation

4. *NA*

| Well or Diversion Identification No.* | Motor Make | Hp | Motor Serial No. | Pump Make | Pump Serial No. or Discharge Size |
|---------------------------------------|------------|----|------------------|-----------|-----------------------------------|
|                                       |            |    |                  |           |                                   |
|                                       |            |    |                  |           |                                   |
|                                       |            |    |                  |           |                                   |
|                                       |            |    |                  |           |                                   |

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

5. **Point(s) of Diversion:**

| Ident. No. | Gov't. Lot | 1/4 | 1/4 | 1/4 | Sec. | Twp. | Rge. | County   | Method of Determination/Remarks |
|------------|------------|-----|-----|-----|------|------|------|----------|---------------------------------|
|            |            | SE  | NE  | SE  | 18   | 155  | 41E  | FRANKLIN | ON SITE & USES QUAD             |
|            |            |     |     |     |      |      |      |          |                                 |
|            |            |     |     |     |      |      |      |          |                                 |
|            |            |     |     |     |      |      |      |          |                                 |

6. **Place(s) of Use:**

Indicate Method of Determination

| Twp. | Rge. | Sec. | NE 1/4 |        |        |        | NW 1/4 |        |        |        | SW 1/4 |        |        |        | SE 1/4 |        |        |        | Totals |
|------|------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|      |      |      | NE 1/4 | NW 1/4 | SW 1/4 | SE 1/4 | NE 1/4 | NW 1/4 | SW 1/4 | SE 1/4 | NE 1/4 | NW 1/4 | SW 1/4 | SE 1/4 | NE 1/4 | NW 1/4 | SW 1/4 | SE 1/4 |        |
| 155  | 41E  | 18   |        |        |        |        |        |        |        |        | D      | D L-3  | D L-4  | D      |        |        |        |        |        |
|      |      | 19   |        |        |        |        | D      | D L-1  | D L-2  | D      |        |        |        |        |        |        |        |        |        |
|      |      |      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|      |      |      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|      |      |      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|      |      |      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|      |      |      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|      |      |      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |

Do not use this space

## D. FLOW MEASUREMENTS

☐ Additional Data Sheets Attached

1.

| Measurement Equipment | Type  | Make | Model No. | Serial No. | Size | Calib. Date |
|-----------------------|-------|------|-----------|------------|------|-------------|
| CURRENT METER         | PIGMY |      |           | 090168     |      |             |
|                       |       |      |           |            |      |             |
| BUCKET / STOPWATCH    |       |      |           |            |      |             |
|                       |       |      |           |            |      |             |

2. Measurements:

STORAGE TANK OVERFLOW  $Q = 0.48 \text{ cfs}$

SPRING OVERFLOW =  $90 \text{ gpm} = 0.20 \text{ cfs}$

## E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

1. Measured Method: Spring overflow  $90 \text{ gpm} = 0.20 \text{ cfs}$  STORAGE TANK OVERFLOW =  $0.48 \text{ cfs}$

Total  $Q = 0.20 \text{ cfs} + 0.48 \text{ cfs} = 0.68 \text{ cfs}$

2. Alternate Method for Checking Purposes:

## F. PUMP EFFICIENCY DATA (Optional)

Discharge Pressure: \_\_\_\_\_ psi x 2.31 = \_\_\_\_\_ ft (1); Dynamic pumping level: \_\_\_\_\_ ft (2)

Total Head: (1) + (2) = \_\_\_\_\_ (3) ; Flow rate: \_\_\_\_\_ cfs (4)

Water HP: (3) x (4)  $\div$  8.8 = \_\_\_\_\_ (5)

Meter Input KW:  $3.6 \times$  \_\_\_\_\_ KH x \_\_\_\_\_ CTR or \_\_\_\_\_ MULT x \_\_\_\_\_ PTR x \_\_\_\_\_ N / \_\_\_\_\_ T = \_\_\_\_\_ (6)

Meter Input HP: (6) x 1.34 = \_\_\_\_\_ (7)

Panel Input KW: \_\_\_\_\_ Ave PF x \_\_\_\_\_ Ave Volts x \_\_\_\_\_ Ave Amps x .001732 = \_\_\_\_\_ (6)

Panel Input HP: (6) x 1.34 = \_\_\_\_\_ (7) Efficiency: (5)/(7) x 100 = \_\_\_\_\_ %

## G. 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:

$V_{DOM} = 62 \times 0.6 \text{ cfs} = 37.2 \text{ cfs}$

## This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.

## 1. Recommended Amounts

| Beneficial Use | Period of Use |         | Rate of Diversion<br>Q (cfs) | Annual Volume<br>V (afa) |
|----------------|---------------|---------|------------------------------|--------------------------|
|                | From          | To      |                              |                          |
| DOMESTIC (62)  | 1/1           | 12/31   | 0.20 cfs                     | 37.2                     |
|                |               |         |                              |                          |
|                |               |         |                              |                          |
|                |               |         |                              |                          |
|                |               |         |                              |                          |
|                |               | Totals: | 0.20 cfs                     | 37.2 afa                 |

☐ 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

Field Examiner's Name KETTY C. WILSON & LEE SIMMONS

Signature [Signature]

Certification Date \_\_\_\_\_

Field Report Preparation Date \_\_\_\_\_

CONSULT

**K. Licensing recommendation shall be prepared by an Idaho Department of Water Resources employee on a computer printout attached hereto.**

STATE OF IDAHO  
DEPARTMENT OF WATER RESOURCES

13-07514  
Water Right No.  
(if applicable)

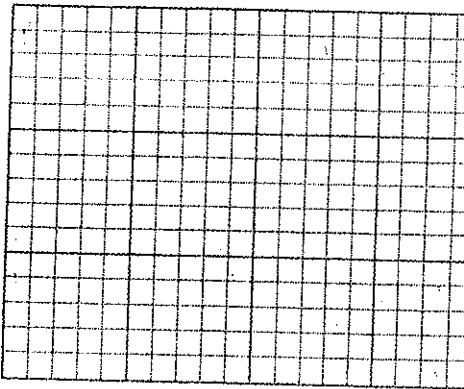
Open Channel Discharge Measurement Notes

A. GENERAL INFORMATION

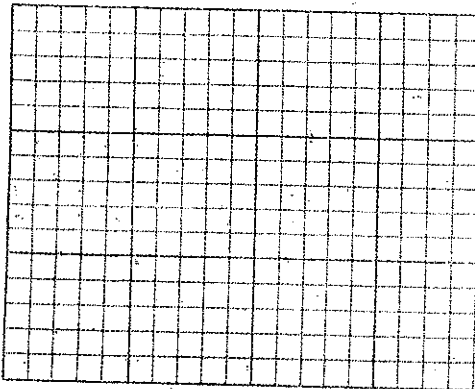
1. Name of stream or ditch: STORAGE TANK OVERFLOW  
2. Location: 2 NESE Sec 18 T15S R4E  
3. Person conducting measurement: KEITH C WILSON / LEE SIMMONS  
4. Date and time of measurement: 6/4/1998 1500 hrs  
5. Accompanied by: Larry Beckstead  
6. Measuring device size and ID no.: PISKY CURRENT METER ID #090168  
7. Spin test before measurement OK? YES after measurement OK? YES  
8. Purpose of measurement: FIELD EXAM

C. DIAGRAMS

1. Measurement Location  
Scale: \_\_\_\_\_ = \_\_\_\_\_



2. Cross-Section of Measurement  
Scale \_\_\_\_\_ = \_\_\_\_\_



B. MEASUREMENT DATA

| Angle co-efficient | Dist. from initial point | Width | Depth | Observation depth | Revolutions | Time in seconds | VELOCITY |                  | Adjusted for hor. angle or | Area   | Discharge |
|--------------------|--------------------------|-------|-------|-------------------|-------------|-----------------|----------|------------------|----------------------------|--------|-----------|
|                    |                          |       |       |                   |             |                 | At point | Mean in vertical |                            |        |           |
|                    | 1.0                      | 0.15  | 0     |                   | 0           |                 | 0        |                  |                            | 0      |           |
|                    | 1.3                      | 0.35  | 0.25  |                   | 50          | 45              | 1.11     |                  |                            | 0.0875 | 0.10      |
|                    | 1.7                      | 0.35  | 0.25  |                   | 50          | 47              | 1.07     |                  |                            | 0.0875 | 0.09      |
|                    | 2.0                      | 0.40  | 0.25  |                   | 150         | 51              | 2.90     |                  |                            | 0.10   | 0.29      |
|                    | 2.5                      | 0.25  | 0     |                   |             |                 | 0        |                  |                            |        |           |
|                    |                          |       |       |                   |             |                 |          |                  |                            | 0.48   |           |

.0 .10 .20 .30 .40 .50 .60 .70 .75 .80

D. SUMMARY INFORMATION

1. Measurement rated \_\_\_\_\_ excellent \_\_\_\_\_  
2. Remarks: \_\_\_\_\_

3. Width: \_\_\_\_\_ Area: \_\_\_\_\_ Discharge in cubic feet per second: 0.48 cfs

6/4/1998  
DATE

Keith Wilson  
SIGNATURE OF PERSON CONDUCTING MEASUREMENT

13-7514

## **Comment Report**

**13-7514**

1. kwilson 6/4/1998 Field Report Narrative

Comment: Collection pipe from spring to 30,000 gal (~0.09 af) storage tank with mainline to 85 lots. These lots are within Cub River Acres Division I (55 lots) and Cub River Acres Division 2 (30 lots) with a total of 85 lots. No irrigation. All lots have water supplied to them.

At the time of the exam there were 17 lots occupied. Cub River Acres Division # 1 lots 5, 9\*, 10\*, 18, 19, 20\*, 51, 70, 74, 76, 77, 78, and 106; in Cub River Acres Division # 2 lots 44, 85, 87, and 119 (lots with \* were assumed. Lots 9 and 10 were considered camp sites

2. narave 3/5/2007 POD

Comment: Updated shape

3. narave 3/6/2007 POU

Comment: Updated Shape

4. narave 3/6/2007 POU

Comment: Updated PLS

5. narave 3/6/2007 POU

Comment: Updated Shape

6. narave 3/6/2007 POU

Comment: Updated Shape

7. narave 3/6/2007 POU

Comment: Updated Shape

8. narave 3/6/2007 POU

Comment: Updated PLS

9. narave 3/6/2007 POU overlap

Comment: The overlapping POU's are 13 17, 13 18, 13 7021, and 13 7028

10. CHAPMAN 12/22/1993 ADDITIONAL INFORMATION

Comment: This application does not seek additional water. The system can adequately supply the needs. The additional sites should have been listed on the original application and were not.

11. CZIMMERM 4/17/1996 CORPORATE OFFICERS

Comment: The officers of Cub River Acres Inc. are: Walter Ross, President; Mervin Palmer, Secretary; and, Larry Beckstead, Watermaster.

Palmer, Secretary; and, Larry Beckstead, Watermaster.

12. SCURTIS 4/30/1996 Proof of Beneficial Use Rcvd  
Comment: Proof of Beneficial Use Rcvd

| Type   | WR #    | Owner                         | Source       | TRS      | NENE | NWNE | SWNE | SENE | NENW | NWNW | SWNW | SENW | NESW | NWSW | SWSW | SESW | NESE | NWSE | SWSE | SESE | Total |
|--------|---------|-------------------------------|--------------|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Right  | 13 17   | HENRY DAY, THOMAS A ROBINSON, | CUB RIVER    | 15S41E18 |      |      |      |      |      |      |      |      | 10   | 20   | 30   |      |      |      |      |      | 60    |
| Right  | 13 18   | HENRY DAY,                    | CUB RIVER    | 15S41E18 |      |      |      |      |      |      |      |      | 10   | 20   | 30   | X    |      |      |      |      | 60    |
| Right  | 13 7021 | THOMAS A ROBINSON,            | GROUND WATER | 15S41E18 |      |      |      |      |      |      |      |      | X    | X    | X    | X    |      |      |      |      | 0     |
| Right  | 13 7028 | CUB RIVER ACRES INC,          | SPRING       | 15S41E18 |      |      |      |      |      |      |      |      | X    | X    | X    | X    |      |      |      |      | 0     |
| Right  | 13 7370 | DOUGLAS B WEBB,               | SPRING       | 15S41E18 |      |      |      |      |      |      |      | X    |      |      |      |      |      |      |      |      | 0     |
| Permit | 13 7514 | CUB RIVER ACRES INC,          | SPRING       | 15S41E18 |      |      |      |      |      |      |      |      | X    | X    | X    | X    |      |      |      |      | 0     |
| Permit | 13 7553 | LILA HULL, ROLAND HULL,       | SPRING       | 15S41E18 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 0     |
| Permit | 13 7666 | CYNTHIA K HULL,               | SPRING       | 15S41E18 |      |      |      |      |      |      | X    |      |      |      |      |      |      |      |      |      | 0     |
| Right  | 13 7514 | CUB RIVER ACRES INC,          | SPRING       | 15S41E18 |      |      |      |      |      |      |      | X    | X    | X    | X    | X    |      |      |      |      | 0     |

SPRING →  
OVERFLOW



STORAGE TANK OVER FLOW  
←

13-7514