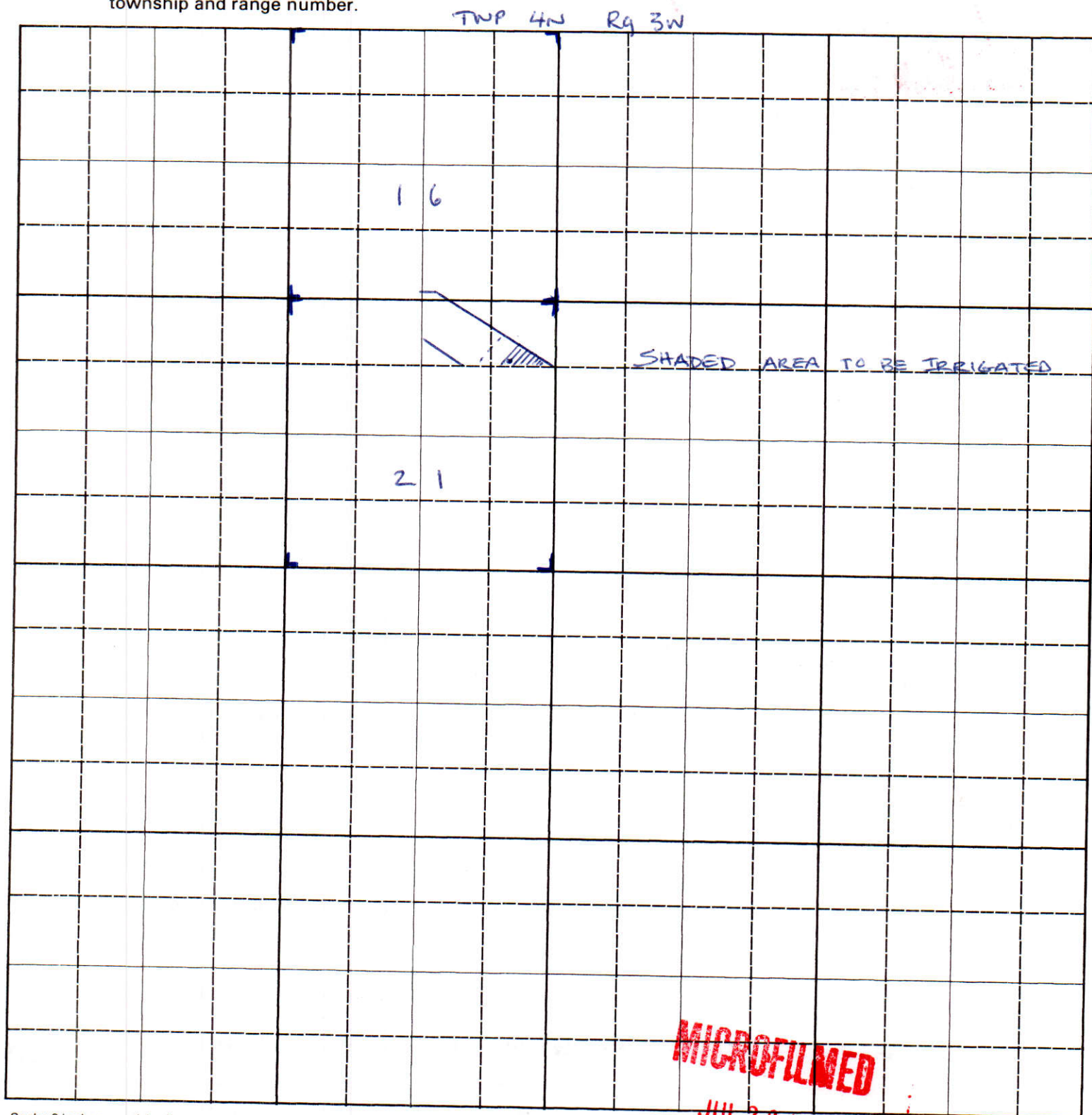


13. Map of proposed project: show clearly the proposed point of diversion, place of use, section number, township and range number.



Scale: 2 inches equal 1 mile.

**MICROFILMED**

JUL 26 1990

BE IT KNOWN that the undersigned hereby makes application for permit to appropriate the public waters of the State of Idaho as herein set forth.

*Randy K. Dearden*

(Applicant)

Randy K. Dearden

Water Sup't.  
455-3070

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

**RECEIVED**  
FEB 13 1992  
Department of Water Resources

**A. GENERAL INFORMATION**

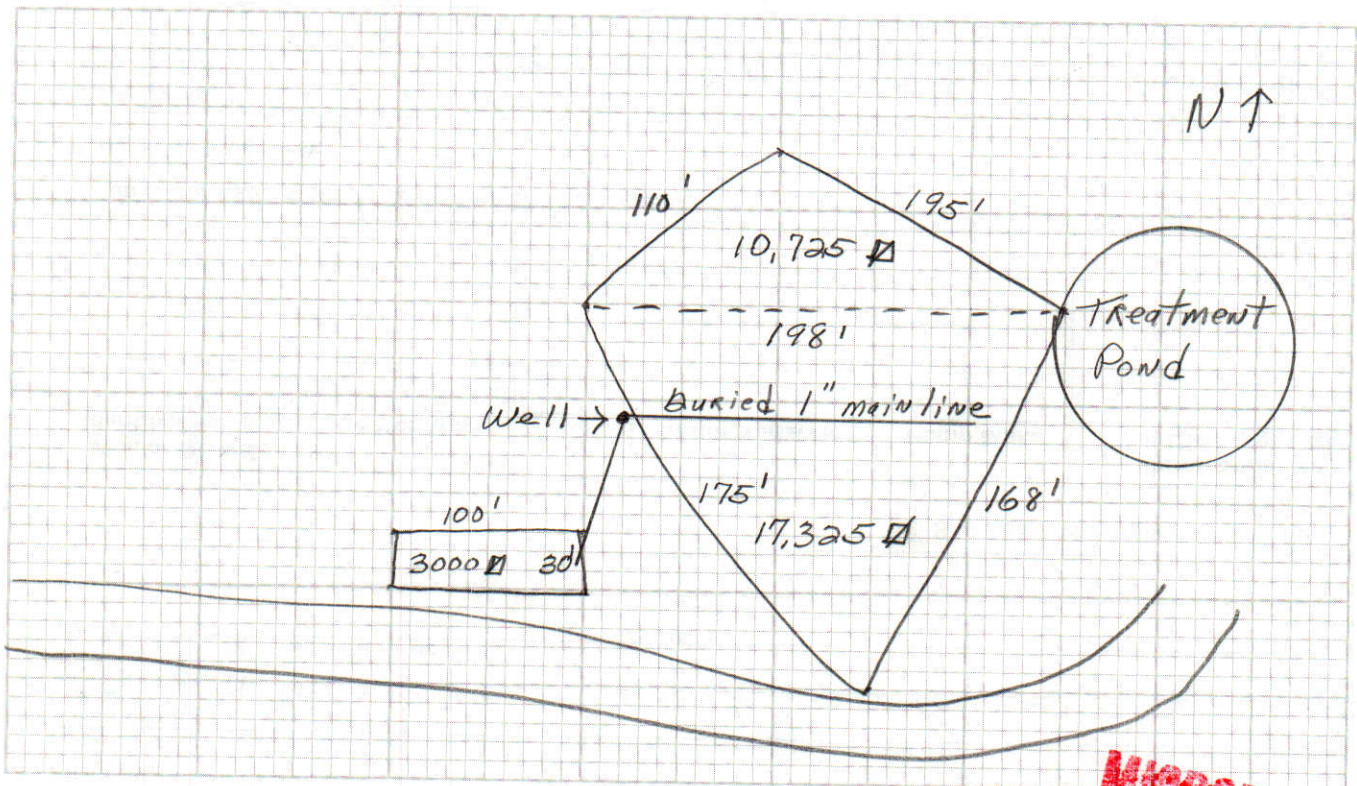
Permit No. 63-11260  
1. Owner: City of Caldwell Phone No. 455-3000  
Current Address: P.O. Box 1177, Caldwell, Idaho 83605  
2. Accompanied by: Sammy Perkins EXAM. DATE: 10-17-91  
Address: Municipal waste treatment plant Phone No. same  
Relationship to Permit Holder: Operator  
3. Source: groundwater tributary to none

**B. OVERLAP REVIEW**

1. Other water rights with same place of use: 63-11261, 63-00305 ☐ Copies Attached  
2. Other water rights with same point of diversion: 63-2279, 63-2374, 63-2386, 63-4009 ☐ Copies Attached ☐ Copies of Field Exam's Attached N/A

**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



Scale: 1" = Not to scale

2. ☒ Copy of U.S.G.S. Quadrangle Attached  
Showing location(s) of point(s) of diversion and  
place(s) of use (required).

☒ Photo of Diversion and System Attached

(required for all but single household domestic groundwater, and stockwater.

☐ Aerial Photo Attached

(required for irrigation of 10 acres or more).

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JUN 13 1994

DENVER

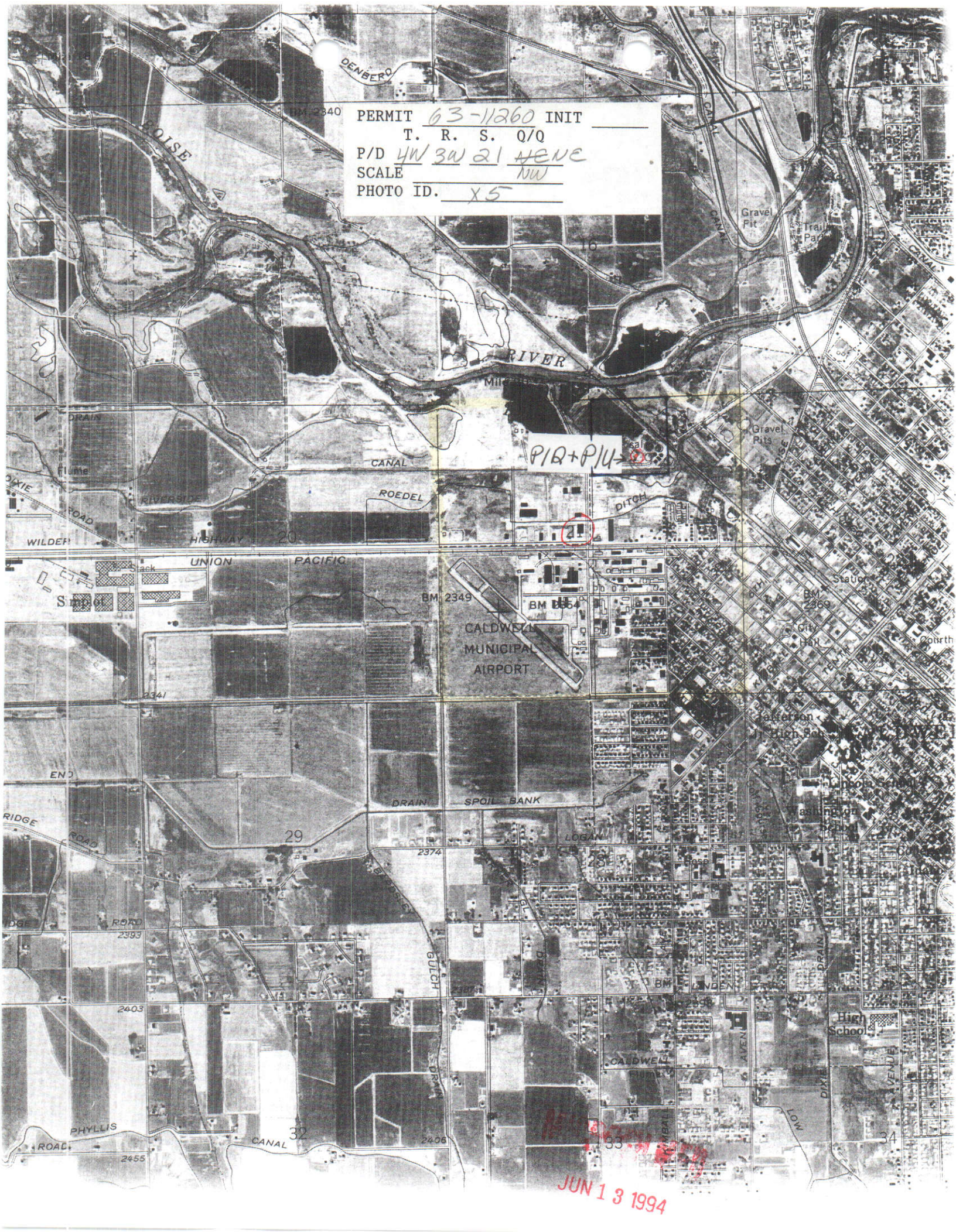
PERMIT 63-11260 INIT

T. R. S. Q/Q

P/D HW 3W 21 HENE

SCALE NW

PHOTO ID. X5

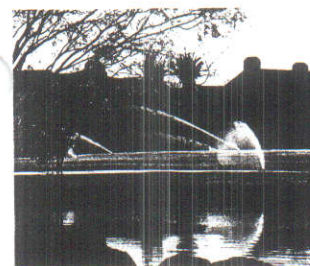


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CALDWELL  
MUNICIPAL  
AIRPORT

JUN 13 1994

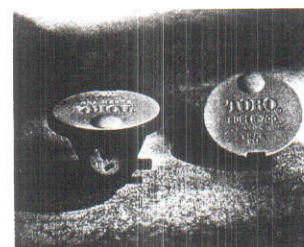
63-11260



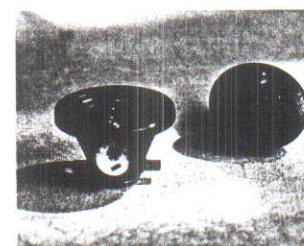
7000 Series

### Performance Charts

| Nozzle<br>Size/Color | PSI | Standard Angle<br>GPM Radius | Low Angle<br>Radius | Nozzle<br>Size/Color | PSI | Standard Angle<br>GPM Radius | Low Angle<br>Radius |
|----------------------|-----|------------------------------|---------------------|----------------------|-----|------------------------------|---------------------|
| 1.0                  | 25  | 0.80 34'                     | 30'                 | 4.5                  | 25  | 2.80 39'                     | 34'                 |
|                      | 30  | 0.89 35'                     | 31'                 |                      | 30  | 3.13 40'                     | 36'                 |
|                      | 35  | 0.96 36'                     | 32'                 |                      | 35  | 3.43 41'                     | 38'                 |
|                      | 40  | 1.03 36'                     | 33'                 |                      | 40  | 3.71 43'                     | 40'                 |
|                      | 45  | 1.10 37'                     | 34'                 |                      | 45  | 3.98 45'                     | 41'                 |
|                      | 50  | 1.16 37'                     | 35'                 |                      | 50  | 4.23 46'                     | 42'                 |
|                      | 55  | 1.21 38'                     | 35'                 |                      | 55  | 4.44 46'                     | 43'                 |
| 1.5                  | 60  | 1.26 38'                     | 36'                 | 6.0                  | 60  | 4.64 47'                     | 44'                 |
|                      | 25  | 1.11 35'                     | 31'                 |                      | 25  | 4.13 39'                     | 35'                 |
|                      | 30  | 1.23 37'                     | 31'                 |                      | 30  | 4.63 42'                     | 36'                 |
|                      | 35  | 1.34 38'                     | 32'                 |                      | 35  | 5.08 45'                     | 37'                 |
|                      | 40  | 1.45 39'                     | 33'                 |                      | 40  | 5.50 47'                     | 39'                 |
|                      | 45  | 1.55 39'                     | 35'                 |                      | 45  | 5.90 48'                     | 41'                 |
|                      | 50  | 1.64 40'                     | 37'                 |                      | 50  | 6.28 50'                     | 45'                 |
| 2.0                  | 55  | 1.72 40'                     | 37'                 | 7.5                  | 55  | 6.58 50'                     | 46'                 |
|                      | 60  | 1.80 41'                     | 38'                 |                      | 60  | 6.88 51'                     | 48'                 |
|                      | 25  | 1.42 35'                     | 31'                 |                      | 25  | 5.35 41'                     | 35'                 |
|                      | 30  | 1.58 36'                     | 32'                 |                      | 30  | 5.92 42'                     | 37'                 |
|                      | 35  | 1.73 37'                     | 33'                 |                      | 35  | 6.45 44'                     | 39'                 |
|                      | 40  | 1.86 39'                     | 35'                 |                      | 40  | 6.94 46'                     | 42'                 |
|                      | 45  | 1.99 40'                     | 37'                 |                      | 45  | 7.41 48'                     | 43'                 |
| 3.0                  | 50  | 2.11 41'                     | 40'                 | 9.0                  | 50  | 7.84 50'                     | 45'                 |
|                      | 55  | 2.21 41'                     | 40'                 |                      | 55  | 8.22 50'                     | 47'                 |
|                      | 60  | 2.31 42'                     | 40'                 |                      | 60  | 8.59 51'                     | 50'                 |
|                      | 25  | 2.40 39'                     | 33'                 |                      | 25  | 5.64 42'                     | 34'                 |
|                      | 30  | 2.66 41'                     | 34'                 |                      | 30  | 6.28 45'                     | 36'                 |
|                      | 35  | 2.89 43'                     | 35'                 |                      | 35  | 6.87 47'                     | 38'                 |
|                      | 40  | 3.12 44'                     | 37'                 |                      | 40  | 7.42 48'                     | 41'                 |
|                      | 45  | 3.32 45'                     | 39'                 |                      | 45  | 7.93 50'                     | 42'                 |
|                      | 50  | 3.52 45'                     | 42'                 |                      | 50  | 8.90 51'                     | 44'                 |
|                      | 55  | 3.69 46'                     | 43'                 |                      | 55  | 9.33 51'                     | 46'                 |
|                      | 60  | 3.86 46'                     | 45'                 |                      | 60  | 9.75 52'                     | 49'                 |



Lavender debris cover available upon special request for effluent application.



Debris cover must be installed to complete installation.

All performance specifications are based on the stated working pressure available at the base of the sprinkler head.

- Recommended Operating Pressure—25–50 PSI
- Maximum Operating Pressure—75 PSI
- Dimensions
  - Body Diameter 2 3/8"
  - Cap Diameter 3"
  - Height 16 1/2"
- Radius—30'–52'
- Flow Rate—8–975 GPM
- Trajectory
  - Standard Angle 25°
  - Low Angle 15°

- Maximum Height of Spray
  - Low Angle (15°)
    - 1.0 Nozzle—4'6" @ 40 PSI
    - 1.5 Nozzle—4'10" @ 40 PSI
    - 2.0 Nozzle—5'4" @ 40 PSI
    - 3.0 Nozzle—5'2" @ 40 PSI
    - 4.5 Nozzle—5'7" @ 40 PSI
    - 6.0 Nozzle—5'5" @ 40 PSI
    - 7.5 Nozzle—5'6" @ 50 PSI
    - 9.0 Nozzle—5'5" @ 50 PSI
  - Standard Angle (25°)
    - 1.0 Nozzle—7'6" @ 40 PSI
    - 1.5 Nozzle—7'6" @ 40 PSI
    - 2.0 Nozzle—8'0" @ 40 PSI
    - 3.0 Nozzle—8'6" @ 40 PSI
    - 4.5 Nozzle—9'0" @ 40 PSI
    - 6.0 Nozzle—10'0" @ 40 PSI
    - 7.5 Nozzle—10'6" @ 50 PSI
    - 9.0 Nozzle—11'0" @ 50 PSI

### Ordering Information

**S700X-XX-XX-XX**

#### Body

S700—Lawn  
S700C—Commercial  
S700HP—Hi-Pop  
S700S—Shrub

#### Arc

PC—Part Circle  
FC—Full Circle

#### Gallage

1.0  
1.5  
2.0  
3.0  
4.5  
6.0  
7.5  
9.0

#### Low Angle

Indicate  
L.A. if  
low angle  
selected.

For instance: S700-PC-1.0 means a part circle, lawn sprinkler, which would throw .96 GPM a distance of 36' at 35 PSI.

For additional information, refer to literature piece 490-2320.

Mississippi  
JUN 13 1994

63-11260



#1

P/D



#2

P/U

MISSOURI  
JUN 13 1994

63-11260



#3

P/4

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State of Idaho  
Department of Water Resources

**WATER RIGHT LICENSE**  
WATER RIGHT NO. 63-11260

Priority: March 22, 1990

Maximum Diversion Rate: 0.03 CFS  
Maximum Diversion Volume: 3.2 AF

This is to certify, that CITY OF CALDWELL  
PO BOX 1177

CALDWELL ID 83605-1177 has complied with the terms and conditions of the permit, issued pursuant to Application for Permit dated March 15, 1990; and has submitted Proof of Beneficial Use on July 8, 1991. An examination indicates that the works have a diversion capacity of .350 cfs of water from a GROUNDWATER source, and a water right has been established as follows:

| <u>BENEFICIAL USE</u> | <u>PERIOD OF USE</u> | <u>RATE OF DIVERSION</u> | <u>ANNUAL VOLUME</u> |
|-----------------------|----------------------|--------------------------|----------------------|
| IRRIGATION            | 04/01 to 09/30       | 0.03 CFS                 | 3.2 AF               |

LOCATION OF POINT(S) OF DIVERSION: NWNE , Sec. 21, Township 04N, Range 03W  
CANYON County

PLACE OF USE: IRRIGATION

| <u>TWN</u> | <u>RGE</u> | <u>SEC</u> | <u>ACRES</u> | <u>ACRES</u> | <u>ACRES</u> | <u>TOTAL</u> |
|------------|------------|------------|--------------|--------------|--------------|--------------|
| 04N        | 03W        | 21         | NWNE         | 0.7          |              | 0.7          |

Total number of acres irrigated: 0.7

CONDITIONS/REMARKS:

1. The maximum diversion volume is defined as the maximum allowable volume of water that may be diverted annually from the source under this right. The use of water confirmed by this right is limited to the amount which can actually be beneficially used. The maximum diversion volume may be adjusted to more accurately describe the beneficial use or to implement accepted standards of diversion and use efficiency.
2. This water right is appurtenant to the described place of use.
3. This right is subject to all prior water rights and may be forfeited by five years of non-use.
4. Modifications to or variance from this license must be made within the limits of Section 42-222, Idaho Code, or the applicable Idaho law.
5. This right when combined with all other rights shall provide no more than .03 cfs per acre nor more than 4.5 afa per acre for the lands above.

This license is issued pursuant to the provisions of Section 42-219, Idaho Code. Witness the seal and signature of the Director, affixed at Boise, this 23<sup>rd</sup> day of APRIL, 1994.

Acting for. Keith Higginson, Director

JUN 13 1994

APPROVED

State of Idaho  
Department of Water Resources

**APPLICATION FOR AMENDMENT**  
(For Licensing Purposes)  
**WATER RIGHT NO. 63-11260**

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APR 18 1994  
Department of Water Resources

Date of Priority: March 22, 1990

Maximum Diversion Rate:

0.03 CFS

Maximum Diversion Volume:

3.2 AF

Comes now

CITY OF CALDWELL

PO BOX 1177

CALDWELL ID 83605-1177

and represents to the Director of the

Idaho Department of Water Resources:

That he is the owner and holder of Permit to Appropriate the Public Waters of the State of Idaho No. 63-11260, and requests that the permit be changed as follows:

Source: GROUNDWATER

| <u>BENEFICIAL USE</u> | <u>PERIOD OF USE</u> | <u>RATE OF DIVERSION</u> | <u>ANNUAL VOLUME</u> |
|-----------------------|----------------------|--------------------------|----------------------|
| IRRIGATION            | 04/01 to 09/30       | 0.03 CFS                 | 3.2 AF               |

LOCATION OF POINT(S) OF DIVERSION:

NWNE , Sec. 21, Township 04N, Range 03W  
CANYON County

PLACE OF USE: IRRIGATION

| <u>TWN</u> | <u>RGE</u> | <u>SEC</u> | <u>ACRES</u> | <u>ACRES</u> | <u>ACRES</u> | <u>TOTAL</u> |
|------------|------------|------------|--------------|--------------|--------------|--------------|
| 04N        | 03W        | 21         | NWNE         | 0.7          |              | 0.7          |

Total number of acres irrigated: 0.7

Permit holder asserts that no one will be injured by such change and that such change will be made at permit holder's own risk.

Signed at City of Caldwell, Id., this 15<sup>th</sup> day of April, 1994.

Robert D. Law  
(Signature)

RECEIVED  
JUN 13 1994

State of Idaho  
Department of Water Resources

**APPLICATION FOR AMENDMENT**  
(For Licensing Purposes)  
**WATER RIGHT NO. 63-11260**

\*\*\*\*\*

**FOR DEPARTMENT USE ONLY**

Preliminary check by C3 Fee = 20<sup>00</sup> Receipted by DW # C030091 Date 4/18/94

**ACTION OF THE DEPARTMENT OF WATER RESOURCES**

I, R. Keith Higginson, of the Department of Water Resources hereby approve the above Application for Amendment for Permit No. 63-11260 with the following;

**CONDITIONS/REMARKS:**

1. The maximum diversion volume is defined as the maximum allowable volume of water that may be diverted annually from the source under this right. The use of water confirmed by this right is limited to the amount which can actually be beneficially used. The maximum diversion volume may be adjusted to more accurately describe the beneficial use or to implement accepted standards of diversion and use efficiency.
2. This water right is appurtenant to the described place of use.
3. This right is subject to all prior water rights and may be forfeited by five years of non-use.
4. Modifications to or variance from this license must be made within the limits of Section 42-222, Idaho Code, or the applicable Idaho law.
5. This right when combined with all other rights shall provide no more than .03 cfs per acre nor more than 4.5 afa per acre for the lands above.

Witness my hand this 23<sup>RD</sup> day of April, 1994.

R. Keith Higginson  
Acting for R. Keith Higginson, Director

JUN 13 1994

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JUL 08 1991

STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES

PROOF OF BENEFICIAL USE

Department of Water Resources

The Idaho Department of Water Resources will consider this form as a statement that the permit holder(s) has/have completed all development that will occur under this permit and that water has been applied according to the provisions of the permit for the beneficial use(s) described below. This form must be accompanied by a license examination fee or a completed field examination report prepared by a certified water right examiner who has been appointed by the department.

1. Permit No. 63 - 11260 Telephone No. 455-3070

2. Name(s) of Permit Holder(s): CITY OF CALDWELL, TREATMENT PLANT

3. Post Office Address: PO Box 1177 Caldwell, ID 83605

4. Source of Water: GROUNDWATER

a. If ground water, well driller's name: UNKNOWN Date drilled: 1979

b. Pump horsepower: 3 Pressure (psi): 60 Dynamic pumping level (ft.): 165'

5. Extent of Use:

Domestic \_\_\_\_\_ (No. of households) Irrigation 5 (No. of acres)

Stockwater \_\_\_\_\_ (No. and type of stock) Other \_\_\_\_\_

6. Total rate and/or volume for which proof is submitted 1.5 cfs \_\_\_\_\_ acre/feet

7. Refer to the approval conditions on your permit and respond accordingly:

Measuring device: Required? Yes ☒ No Installed? Yes ☐ No

OR

Flow Measurement Port: Required? Yes ☒ No Installed? Yes ☐ No

8. Fee Enclosed: \$ 50.00 (See License Examination Fee Schedule)

9. Person to contact to accompany the Department representative during the field examination:

Randy Dearden, Water Supt  
Name

455-3070  
Telephone No.

PO Box 1177, Caldwell, ID 83605  
Address

10. The above information is my true statement of the extent to which the above numbered permit has been developed and I relinquish any undeveloped portion of the permit to the state of Idaho.

6-25-91  
Date

Dray K Dr

Signature (and title if on behalf of a company or organization)

**RECEIVED**  
AUG 06 1991

BEFORE THE DEPARTMENT OF WATER RESOURCES  
OF THE STATE OF IDAHO

IN THE MATTER OF PERMIT NO. 63-11260 IN THE  
NAME OF CITY OF CALDWELL

)  
) ORDER OF REINSTATEMENT  
)  
)

WHEREAS, the Department issued the above-captioned permit with the condition that proof of construction of works and application of water to beneficial use (proof of beneficial use) be submitted on or before July 1, 1991; and,

WHEREAS, the Department notified the permit holder by certified mail that proof was due and instructed the permit holder of the steps to be taken to submit the proof of beneficial use; and,

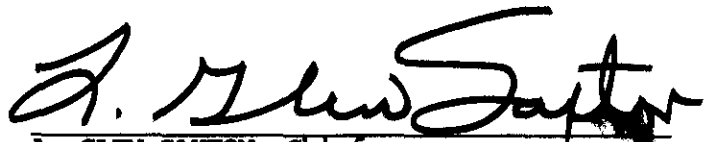
WHEREAS, the Department notified the permit holder that the permit lapsed for failure of the permit holder to submit the proof of beneficial use; and,

WHEREAS, Section 42-218a of the Idaho Code provides that a permit may be reinstated upon a showing of reasonable cause within sixty days of the date of the notice of lapsing; and,

WHEREAS, the permit holder has provided a reasonable showing why the permit should be reinstated by submitting proof of beneficial use on July 8, 1991;

IT IS, THEREFORE, HEREBY ORDERED that Permit No. 63-11260 be REINSTATED and the priority advanced to March 22, 1990.

Dated this 15<sup>th</sup> day of July, 1991.

  
L. GLEN SAXTON, Chief  
Water Allocation Bureau

**MICROFILMED**

**AUG 06 1991**

State of Idaho  
Department of Water Resources  
**Permit To Appropriate Water**

NO. 63-11260

Proposed Priority: March 15, 1990      Maximum Diversion Rate: 0.15 CFS  
This is to certify, that CITY OF CALDWELL

P.O. BOX 1177  
CALDWELL, ID 83605

has applied for a permit to appropriate water from: **GROUNDWATER**  
and a permit is **APPROVED** for development of water as follows:

|                       |                      |                          |
|-----------------------|----------------------|--------------------------|
| <u>BENEFICIAL USE</u> | <u>PERIOD OF USE</u> | <u>RATE OF DIVERSION</u> |
|-----------------------|----------------------|--------------------------|

|            |                |          |
|------------|----------------|----------|
| IRRIGATION | 04/01 to 09/30 | 0.15 CFS |
|------------|----------------|----------|

LOCATION OF POINT(S) OF DIVERSION:      NENE      Sec. 21, Township 04N, Range 03W  
CANYON County

PLACE OF USE:      IRRIGATION

|                    |              |              |              |              |
|--------------------|--------------|--------------|--------------|--------------|
| <u>TWN RGE SEC</u> | <u>ACRES</u> | <u>ACRES</u> | <u>ACRES</u> | <u>TOTAL</u> |
| 04N 03W 21         | NENE 5       |              |              | 5            |

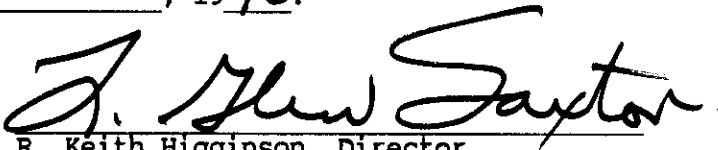
Total number of acres irrigated: 5

CONDITIONS/REMARKS:

1. Proof of construction of works and application of water to beneficial use shall be submitted on or before July 1, 1991.
2. Subject to all prior water rights.
3. Permit holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code.
4. The rate of diversion of water for irrigation under this permit and all other water rights on the same land shall not exceed 0.03 cubic feet per second for each acre of land.
5. The maximum rate of diversion for irrigation purposes under this permit shall not exceed 0.15 cfs.

This permit is issued pursuant to the provisions of Section 42-204, Idaho Code.  
Witness the seal and signature of the Director, affixed at Boise, this

28<sup>th</sup> day of June, 1990.

  
for R. Keith Higginson, Director

**MICROFILMED**

JUL 26 1990

Ident. No. 63-11260STATE OF IDAHO  
DEPARTMENT OF WATER RESOURCES  
APPLICATION FOR PERMIT

Department of Water Resources

To appropriate the public waters of the State of Idaho

1. Name of applicant CITY OF CALDWELL (SEWER) Phone 455-3000  
Post office address P.O. BOX 1177 CALDWELL, ID 83605

2. Source of water supply GROUNDWATER which is a tributary of \_\_\_\_\_

3. Location of point of diversion is \_\_\_\_\_ 1/4 of SE 1/4 of NE 1/4, Govt. Lot \_\_\_\_\_  
Sec. 21 Township 4N Range 3W B.M. Canyon County; additional  
points of diversion if any: \_\_\_\_\_

4. Water will be used for the following purposes:

Amount .15 <sup>RD</sup> 32 for IRRIGATION purposes from 4-1 to 9-30 (both dates inclusive)  
(cfs or acre-feet per annum)

Amount \_\_\_\_\_ for \_\_\_\_\_ purposes from \_\_\_\_\_ to \_\_\_\_\_ (both dates inclusive)  
(cfs or acre-feet per annum)

Amount \_\_\_\_\_ for \_\_\_\_\_ purposes from \_\_\_\_\_ to \_\_\_\_\_ (both dates inclusive)  
(cfs or acre-feet per annum)

Amount \_\_\_\_\_ for \_\_\_\_\_ purposes from \_\_\_\_\_ to \_\_\_\_\_ (both dates inclusive)  
(cfs or acre-feet per annum)

5. Total quantity to be appropriated is (a) 32 RD .15 and/or (b) \_\_\_\_\_  
cubic feet per second acre feet per annum

6. Proposed diverting works:

a. Description of ditches, flumes, pumps, headgates, etc. WELL, PUMP & PIPELINE

b. Height of storage dam \_\_\_\_\_ feet; active reservoir capacity \_\_\_\_\_ acre-feet; total  
reservoir capacity \_\_\_\_\_ acre-feet; period of year when water will be diverted to storage:  
\_\_\_\_\_ to \_\_\_\_\_ inclusive.

c. Proposed well diameter is 10 inches; proposed depth of well is 40 feet.

d. Is ground water with a temperature of greater than 90°F being sought? NO

7. Time required for the completion of the works and application of the water to the proposed use is  
(IN PLACE) ONE years (minimum 1 year).

MICROFILMED

JUL 26 1990

\* pld per applicant's map, rate per max. for  $\leq 5$  acres.

3/27/90

8. Description of proposed uses (if irrigation only, go to item 9):

- Hydropower; show total feet of head and proposed capacity in KW. \_\_\_\_\_
- Stockwatering; list number and kind of livestock. \_\_\_\_\_
- Municipal; show name of municipality. \_\_\_\_\_
- Domestic; show number of households. \_\_\_\_\_
- Other; describe fully. \_\_\_\_\_

9. Description of place of use:

- If water is for irrigation, indicate acreage in each subdivision in the tabulation below.
- If water is used for other purposes, place a symbol of the use (example: *D* for Domestic) in the corresponding place of use below. See instructions for standard symbols.

| TWP | RANGE | SEC. | NE¼ |     |     |     | NW¼ |     |     |     | SW¼ |     |     |     | SE¼ |     |     |     | TOTALS |
|-----|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
|     |       |      | NE¼ | NW¼ | SW¼ | SE¼ | NE¼ | NW¼ | SW¼ | SE¼ | NE¼ | NW¼ | SW¼ | SE¼ | NE¼ | NW¼ | SW¼ | SE¼ |        |
| 4N  | 3W    | 21   | 5   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 5      |
|     |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |
|     |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |
|     |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |
|     |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |
|     |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |
|     |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |
|     |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |
|     |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |
|     |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |

Total number of acres to be irrigated 5

10. Describe any other water rights used for the same purposes as described above. \_\_\_\_\_

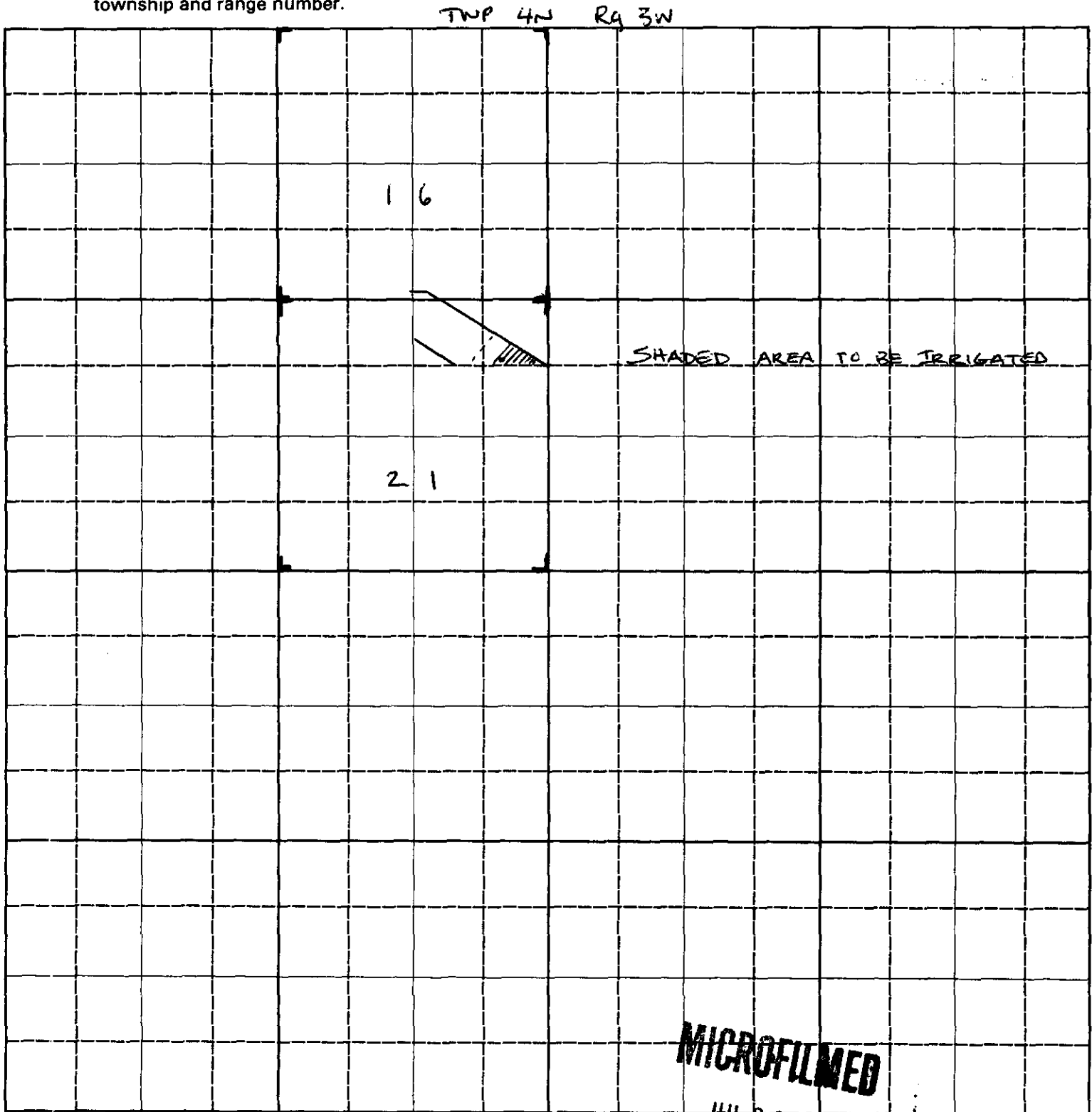
- Who owns the property at the point of diversion? CITY OF CALDWELL
- Who owns the land to be irrigated or place of use? CITY OF CALDWELL
- If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing. \_\_\_\_\_

12. Remarks: \_\_\_\_\_

**MICROFILMED**

JUL 26 1990

13. Map of proposed project: show clearly the proposed point of diversion, place of use, section number, township and range number.



Scale: 2 inches equal 1 mile.

JUL 26 1990

BE IT KNOWN that the undersigned hereby makes application for permit to appropriate the public waters of the State of Idaho as herein set forth.

*Randy K. Dearden*  
(Applicant)  
Randy K. Dearden Water Sup't.  
455-3070

Received by Ms. C. Wong Date 3/19/90 Time 9:30am Preliminary check by SL  
Fee \$ 45.00 Received by C. Wong # 0015577 Date 3/15/90  
Publication prepared by GG Date 3-28-90 Published in Press-Tribune  
Publication approved SL Date 5-10-90  
4/4 & 4/11/90

**ACTION OF THE DIRECTOR, DEPARTMENT OF WATER RESOURCES**

This is to certify that I have examined Application for Permit to appropriate the public waters of the State of Idaho No. \_\_\_\_\_, and said application is hereby \_\_\_\_\_.

1. Approval of said application is subject to the following limitations and conditions:

- a. SUBJECT TO ALL PRIOR WATER RIGHTS.
- b. Proof of construction of works and application of water to beneficial use shall be submitted on or before \_\_\_\_\_, 19\_\_\_\_.
- c. The rate of diversion, if water is to be used for irrigation under this permit, when combined with all other water rights for the same land shall not exceed 0.02 cubic feet per second for each acre of land.
- d. The water right acquired under this permit if for hydropower purposes shall be junior and subordinate to all rights to the use of water, other than hydropower, within the State of Idaho that are initiated later in time than the priority of this permit and shall not give rise to any right or claim against any future rights to the use of water, other than hydropower, within the State of Idaho initiated later in time than the priority of this permit.
- e. Other:

**MICROFILMED**  
JUL 25 1990

NOTICE OF APPLICATION FOR WATER RIGHTS  
The following application(s) have been filed to appropriate the public waters of the State of Idaho:

MYERS, NORMAN  
12787 ORCHARD AVE.  
NAMPA, ID 83651  
Source: GROUNDWATER  
Diversions Pt:  
Use: IRRIGATION  
Use: DOMESTIC  
Use: FIRE PROTECTION

Date Filed: 2/9/1990  
In: T03N R03W S24

63-11227  
NWNW Sec 24 T 03N R 03W  
(.250 CFS)  
(.040 CFS)  
(.030 CFS)  
Total Diversion: (.320 CFS)  
NWNW SWNW  
12.5 ACRES TOTAL

MYERS, NORMAN  
12787 ORCHARD AVE.  
NAMPA, ID 83651  
Source: GROUNDWATER  
Diversions Pt:  
Use: COMMERCIAL  
Use: DOMESTIC

Date Filed: 2/9/1990  
In: T03N R03W S24

63-11228  
NWNW Sec 24 T 03N R 03W  
(.020 CFS)  
(.080 CFS)  
Total Diversion: (.100 CFS)  
NWNW

ELM CREST WATER USERS ASSN.  
17056 ELM CREST DR.  
CALDWELL, ID 83605  
Source: GROUNDWATER  
Diversions Pt:  
Use: IRRIGATION  
Use: STOCKWATER  
Use: DOMESTIC

Date Filed: 2/20/1990  
In: T05N R03W S19

63-11229  
NENE Sec 18 T 05N R 03W  
(.320 CFS)  
(.020 CFS)  
(.200 CFS)  
Total Diversion: (.540 CFS)  
NENE  
16.0 ACRES TOTAL

HILLDROP WATER USERS ASSN.  
3407 SUNSET AVE.  
CALDWELL, ID 83605  
Source: GROUNDWATER  
Diversions Pt:  
Use: DOMESTIC

Date Filed: 1/23/1990  
In: T04N R03W S33

63-11230  
NENWSE Sec 33 T 04N R 03W  
(.180 CFS)  
Total Diversion: (.180 CFS)  
NWSE

HANSEN, L. LEON  
25846 EMMETT RD.  
CALDWELL, ID 83605  
Source: GROUNDWATER  
Diversions Pt:  
Use: IRRIGATION

Date Filed: 2/2/1990  
In: T05N R03W S25

63-11231  
NWNWNW Sec 25 T 05N R 03W  
(.090 CFS)  
Total Diversion: (.090 CFS)  
NWNW  
3.0 ACRES TOTAL

TUNING, VIRGINIA  
TUNING, MERL  
DBA MIKES METAL FABRICATION  
21821 RAINBOW LN.  
CALDWELL, ID 83605  
Source: GROUNDWATER  
Diversions Pt:  
Use: COMMERCIAL

Date Filed: 3/13/1990  
In: T04N R04W S21

63-11257  
SESENE Sec 21 T 04N R 04W  
(.020 CFS)  
Total Diversion: (.020 CFS)  
SENE

CITY OF CALDWELL  
P.O. BOX 1177  
CALDWELL, ID 83605  
Source: GROUNDWATER  
Diversions Pt:  
Use: IRRIGATION

Date Filed: 3/15/1990  
In: T04N R03W S36

63-11258  
SWNE Sec 36 T 04N R 03W  
(1.000 CFS)  
Total Diversion: (1.000 CFS)  
NWNW SWNE SENE NESE  
95.0 ACRES TOTAL

CITY OF CALDWELL  
P.O. BOX 1177  
CALDWELL, ID 83605  
Source: GROUNDWATER  
Diversions Pt:  
Use: IRRIGATION

Date Filed: 3/15/1990  
In: T04N R03W S21  
S28

63-11259  
NENE Sec 28 T 04N R 03W  
(.350 CFS)  
Total Diversion: (.350 CFS)  
SESE  
NENE

KENT, BETTY L.  
P.O. BOX 174  
MARSING, ID 83639  
Source: SNAKE RIVER  
Diversions Pt:  
Use: IRRIGATION  
Use: STOCKWATER

Date Filed: 3/16/1990  
In: T03N R04W S34

63-11248  
Lot 1 (NWNE) Tributary: COLUMBIA RIVER  
Sec 34 T 03N R 04W  
(1.400 CFS)  
(.030 CFS)  
Total Diversion: (1.700 CFS)  
Lot 1 (NWNE) Lot 2 (SWNE) SENE Lot 3 (NESE)  
Lot 3 (NWSE)  
70.0 ACRES TOTAL

GILLASPY, EUGENE  
24767 BOISE RIVER RD.  
PARMA, ID 83660  
Source: WASTE WATER  
Diversions Pt:  
Use: IRRIGATION

Date Filed: 3/19/1990  
In: T05N R05W S36

63-11249  
NESW Tributary: BOISE RIVER  
Sec 36 T 05N R 05W  
(.740 CFS)  
Total Diversion: (.740 CFS)  
NESW  
37.0 ACRES TOTAL

NEILSEN, MERLYN R.  
17885 SAND HOLLOW RD.  
CALDWELL, ID 83605  
Source: WASTE WATER  
Diversions Pt:  
Use: IRRIGATION

Date Filed: 3/14/1990  
In: T05N R03W S18

63-11250  
*Prof. drawer*  
Lot 1 (NWNW) Tributary: SAND RUN GULCH  
Sec 18 T 05N R 03W  
(.800 CFS)  
Total Diversion: (.800 CFS)  
Lot 1 (NWNW)  
40.0 ACRES TOTAL

WINTERS, LONNIE  
RT. 2 BOX 20747  
WEITZ RD.  
CALDWELL, ID 83605  
Source: WASTE WATER  
Diversions Pt:  
Use: IRRIGATION

Date Filed: 3/13/1990  
In: T04N R04W S24

63-11252  
SWNW Tributary: DIXIE SLOUGH  
Sec 24 T 04N R 04W  
(.560 CFS)  
Total Diversion: (.560 CFS)  
SWNW  
28.0 ACRES TOTAL

CITY OF WILDER  
219 3RD ST.  
WILDER, ID 83676  
Source: GROUNDWATER  
Diversions Pt:  
Use: IRRIGATION

Date Filed: 3/16/1990  
In: T04N R05W S23

63-11253  
SESWSW Sec 14 T 04N R 05W  
(.300 CFS)  
Total Diversion: (.300 CFS)  
SWNW  
15.0 ACRES TOTAL

STATE OF IDAHO  
DEPT. OF FISH & GAME  
BOX 25  
BOISE, ID 83720  
Source: WILSON DRAIN  
SPRINGS  
Diversions Pt:

Use: RECREATION

Date Filed: 2/20/1990  
In: T02N R02W S03

63-11256  
Tributary: INDIAN CREEK  
WILSON DRAIN  
Sec 3 T 02N R 02W  
(50.000 CFS)  
Total Diversion: (50.000 CFS)  
NESE SESE  
NESE SESE  
63-11260 ✓

CITY OF CALDWELL  
P.O. BOX 1177  
CALDWELL, ID 83605  
Source: GROUNDWATER  
Diversions Pt:  
Use: IRRIGATION

Date Filed: 3/15/1990  
In: T04N R03W S21

63-11261  
NENE Sec 21 T 04N R 03W  
(.150 CFS)  
Total Diversion: (.150 CFS)  
NENE  
5.0 ACRES TOTAL

CITY OF CALDWELL  
P.O. BOX 1177  
CALDWELL, ID 83605  
Source: GROUNDWATER  
Diversions Pt:  
Use: IRRIGATION

Date Filed: 3/15/1990  
In: T04N R03W S21

63-11261  
NENE Sec 21 T 04N R 03W  
(.110 CFS)  
Total Diversion: (.110 CFS)  
NENE NWNE  
5.9 ACRES TOTAL

CITY OF CALDWELL  
P.O. BOX 1177  
CALDWELL, ID 83605  
Source: GROUNDWATER  
Diversions Pt:  
Use: IRRIGATION

Date Filed: 3/15/1990  
In: T04N R03W S28

63-11262  
NENWNE Sec 28 T 04N R 03W  
(.800 CFS)  
Total Diversion: (.800 CFS)  
NWNE  
40.0 ACRES TOTAL

The permit(s) will be subject to all prior water rights. Protests must be filed with the Director, Dept. of Water Resources, Western Region, 2735 Airport Way, Boise, Idaho 83705 on or before APRIL 23, 1990.

R. KEITH HIGGINSON  
Director  
April 4, 11, 1990

MICROFILMED  
JUL 26 1990



State of Idaho

**DEPARTMENT OF WATER RESOURCES**

1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720-9000

Phone: (208) 327-7900 FAX: (208) 327-7866

CECIL D. ANDRUS  
GOVERNOR

R. KEITH HIGGINSON  
DIRECTOR

April 28, 1994

CITY OF CALDWELL  
PO BOX 1177  
CALDWELL ID 836051177

RE: WATER RIGHT NO. 63-11260

Dear Water Right Holder(s):

Enclosed herewith is a copy of the Water Right License issued on the above referenced permit along with a copy of your approved Application for Amendment.

Should you have any questions regarding these documents, please feel free to contact this office.

Sincerely,

A handwritten signature in black ink, appearing to read 'Jim Johnson', with a long horizontal line extending to the right.

JIM JOHNSON  
Water Rights Supervisor

JJ:dc

Enclosure

**RECEIVED**

JUN 13 1994



State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720-9000

Phone: (208) 327-7900 FAX: (208) 327-7866

CECIL D. ANDRUS  
GOVERNOR

R. KEITH HIGGINSON  
DIRECTOR

April 8, 1994

CITY OF CALDWELL  
PO BOX 1177  
CALDWELL ID 836051177

RE: WATER RIGHT NO. 63-11260

Dear Water Right Holder(s):

The above referenced water right is in the process of being licensed. However, before a license can be issued, your permit must be amended to correspond with the findings of the Department's field examiner.

The enclosed Application for Amendment contains information that will be included on the license when it is issued. The amendment reflects a change in the location of the point(s) of diversion and the place(s) of use description. Please review carefully and if you concur, sign the amendment and return with the \$20.00 filing fee within 14 days.

The last page of the Application for Amendment form contains a list of CONDITIONS/REMARKS proposed for the license when it is issued. These conditions/remarks may be modified upon further administrative review.

If you do not concur or have any questions with this information, please contact me as soon as possible. My telephone number is (208) 327-7947.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Jim Johnson', written over the typed name and title.

JIM JOHNSON  
Water Rights Supervisor

JJ:dc

Enclosure

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JUN 18 1994

# LICENSE REVIEW CHECKLIST

Permit # 63-11260

Date 4/5/94

Cindy Zimmerman

NAME                      Yes                      No                      Or Address Change?

PRIORITY DATE 4/15/90 Proof Due 7/1/91 Proof R'cd 7/10/94  
Advance? done Advanced to: 4/22/90  
Order to Reinstate Needed?                       
Incorrect Fee for rate recommended?                     

SOURCE GW                                           Changes?                      Clarification of Originally Intended source                       
                     Notice of Intent to Void - Source change.                     

P/D                                                                Amendment Needed? NWNE  
NENE 521/4N/3W                                           Overlap(s) no gw overlap.

P/U                                                                Amendment Needed? NWNE .7A @ .03/A = .03 cfs.  
NENE 521/4N/3W                                           Overlap(s) 63-11261 (diff p/d, same P/U)

TOTAL CFS .15                                           Measurement done? 22 Toro 100 Sprinklers @ 22" @ 30 psi average  
SA @ .03 cfs/A                                           1.58 gpm x 22 = 34.76 = .08 cfs no gpm

Theoretical (HP) 8.8 x 0.70 x 5  
20 + (2.31 x 30) = .35

Capacity .35  
Allowable Amount: .03

TOTAL VOLUME                                                                Season of Use: 4/1-9/30 (permitted season)  
Calculations: .7A x 4.5 AF/A = 3.2 AF

Flow limit: .03 x 183 x 1.9835 = 10.9  
Recommended Volume 3.2 AF

USES                                                                Change(s) in Nature of Use?                       
irr/5                                           Amendment Needed?                     

REMARKS                                                                Multiple P/Ds in 1/4 1/4?                       
                                                               Special Overlap                       
                                                               Other                     

CONDITIONS                                                                Measure/Lock Devices                       
                                                               W/Master Control                       
R52                                           Irrigation Overlap 3/15/90 Water Dist  
                                                               Water Quality 10/17/91 App Rec'd  
                                                               Exam Made

COMMENTS:                       
                    

RECOMMENDED                      CFS                      DIV VOL                       
irr/.7A .03 3.2  
                                                                
                                                              

LICENSE                       
1ST AMEND LETTER P37, P38  
2ND AMEND LETTER P47

WR0749NP  
No. L63-11260

IDAHO DEPARTMENT OF WATER RESOURCES  
WATER RIGHT PROFILE REPORT

DATE: 04/06/94  
PAGE: 1

| OWNER<br>CODE    | NAME & ADDRESS                                                              | PRIORITY<br>DATE | WATER USE  | USE PERIOD<br>FROM TO | DIVERSION<br>RATE | DIVERSION<br>VOLUME |
|------------------|-----------------------------------------------------------------------------|------------------|------------|-----------------------|-------------------|---------------------|
| C                | CITY OF CALDWELL<br>PO BOX 1177<br>CALDWELL ID 83605-1177<br>(208) 455-3000 | 03/22/1990       | IRRIGATION | 04-01 09-30           | 0.03 CFS          | 3.20 AFA            |
| TOTAL DIVERSION: |                                                                             |                  |            |                       | 0.03 CFS          | 3.20 AFA            |

Water Source: GROUNDWATER

Tributary to:

Stage: LICENSE

Point(s) of Diversion Capacity: 0.35 CFS

Point(s) of Diversion: T04N R03W S21

NWNE

CANYON County

Place of use Legal Description for: IRRIGATION

|     |     |    |   | NE |    |    |    | NW |    |    |    | SW |    |    |    | SE |    |    |    |             |     |
|-----|-----|----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------------|-----|
| T   | R   | S  | : | Lt | Ac | Lt | Ac | Lt | Ac | Lt | Ac | Lt | Ac | Lt | Ac | Lt | Ac | Lt | Ac | :           | SUM |
| 04N | 03W | 21 | : |    |    |    | .7 |    |    |    |    |    |    |    |    |    |    |    |    | :           | 0.7 |
|     |     |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | TOTAL ACRES | 0.7 |

Pou County: CANYON

Other Water Rights with Same Point(s) of Diversion and Source:  
63-11261

Conditions of Approval:

- R52 - This right when combined with all other rights shall provide no  
- more than .03 cfs per acre nor more than 4.5 afa per acre for the  
- lands above.

|        |                 |            |                    |            |                           |
|--------|-----------------|------------|--------------------|------------|---------------------------|
| Dates: | App. Received:  | 03/15/1990 | Priority Date:     | 03/22/1990 | (Priority Date Advanced.) |
|        | Proof Due Date: | 07/01/1991 | Proof Made Date:   | 07/08/1991 | (Proof Received Late.)    |
|        | Exam Made Date: | 10/17/1991 | Exam Sent to S.O.: | 02/11/1992 |                           |
|        | Licensed Date:  |            |                    |            |                           |

Misc: Water District Number: Field Exam Fee: R (Received)

Audit: 04/05/94 ZIMMERMA 04/06/94 ZIMMERMA

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

Department of Water Resources

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**A. GENERAL INFORMATION**

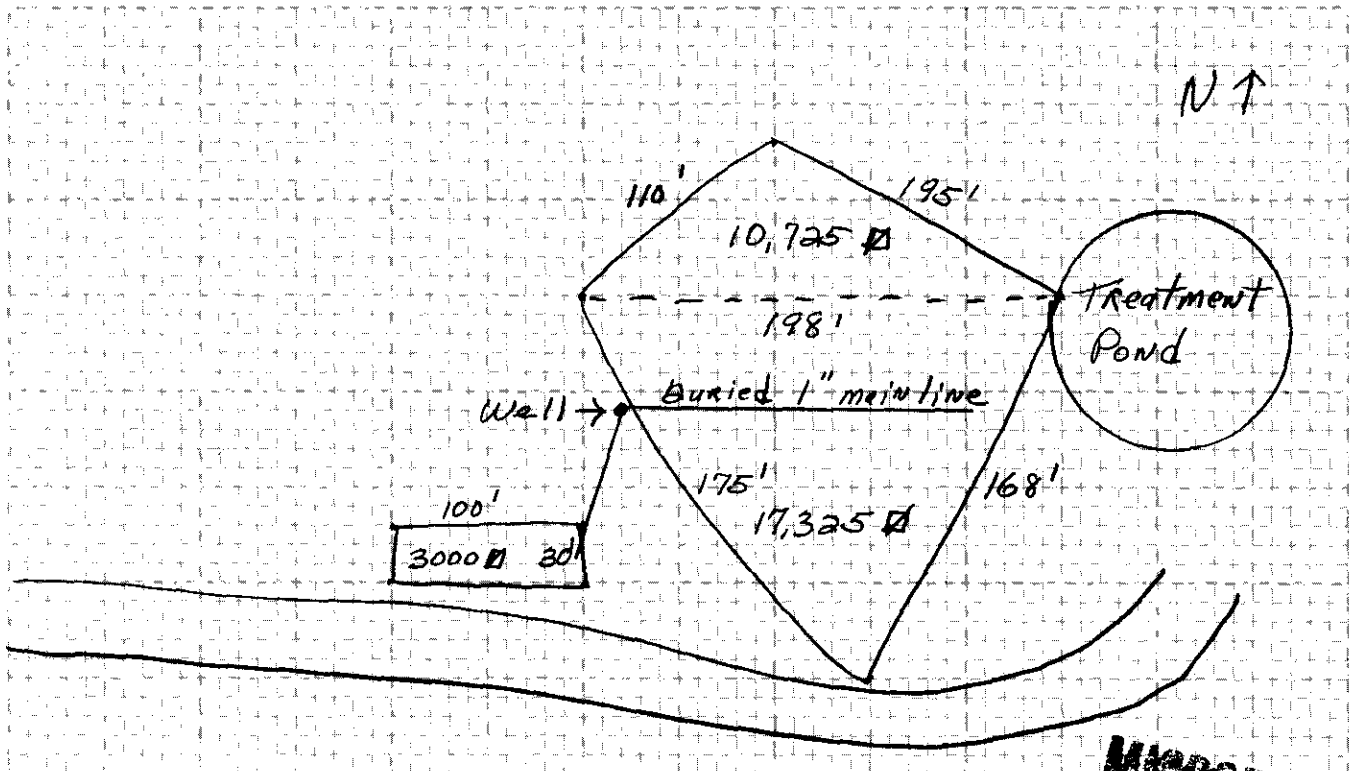
Permit No. 63-11260  
1. Owner: City of Caldwell Phone No. 455-3000  
Current Address: P.O. Box 1177, Caldwell, Idaho 83605  
2. Accompanied by: Jimmy Persinko EXAM. DATE: 10-17-91  
Address: Municipal waste treatment plant Phone No. same  
Relationship to Permit Holder: Operator  
3. Source: groundwater tributary to none

**B. OVERLAP REVIEW**

1. Other water rights with same place of use: 63-11261, 63-00305 ☐ Copies Attached  
2. Other water rights with same point of diversion: 63-2279, 63-2374, 63-2386, 63-4009 ☐ Copies Attached ☐ Copies of Field Exam's Attached N/A

**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



Scale: 1" = Not to scale

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).

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**System Description (continued)**

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

An 8" diameter well with 5 Hp submersible pump discharges water through a 1 1/2" discharge pipe to an underground sprinkler system to irrigate about one acre of lawn at the Caldwell Waste Water Treatment plant. The system has 22 Toro-Super 700 sprinklers with #2.0 nozzles. The heads averaged 30 psi.

☐ See Remarks on page 4 for continuation

4.

| Well or Diversion Identification No.* | Motor Make | Hp | Motor Serial No. | Pump Make  | Pump Serial No. or Discharge Size |
|---------------------------------------|------------|----|------------------|------------|-----------------------------------|
|                                       | Red Jacket | 5  | Unknown          | Red Jacket | 1 1/2" 2HBC                       |
|                                       |            |    |                  |            |                                   |
|                                       |            |    |                  |            |                                   |
|                                       |            |    |                  |            |                                   |

\*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 |
|------------|------------|-----|-----|-----|------|------|------|--------|---------------------------------|
|            |            |     | NW  | NE  | 21   | 4N   | 3W   | Canyon | Orthophotoregular map.          |
|            |            |     |     |     |      |      |      |        |                                 |
|            |            |     |     |     |      |      |      |        |                                 |
|            |            |     |     |     |      |      |      |        |                                 |

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 |        |
| 4N   | 3W   | 21   |        | .7     |        |        |        |        |        |        |        |        |        |        |        |        |        |        | .7     |
|      |      |      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|      |      |      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|      |      |      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|      |      |      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|      |      |      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|      |      |      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|      |      |      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|      |      |      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |

Do not use this space

JUN 13 1994

Do not use this space

#### D. FLOW MEASUREMENTS

☐ Additional Data Sheets Attached

1.

| Measurement Equipment | Type | Make | Model No. | Serial No. | Size | Calib. Date |
|-----------------------|------|------|-----------|------------|------|-------------|
| <i>sprinkler head</i> |      |      |           |            |      |             |
| <i>gauge</i>          |      |      |           |            |      |             |
|                       |      |      |           |            |      |             |
|                       |      |      |           |            |      |             |

2. Measurements:

*Sprinkler head measurements were taken at several locations and averaged 30 psi*

#### E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

1. Measured Method:

*Two Super 700 sprinklers with 2.0 nozzles @ 30 psi = 1.58 gpm x 22 = 34.76 = .08 cfs*

2. Alternate Method for Checking Purposes:

$$\frac{5 \times 8.8 \times .7}{20 + (2.3 \times \frac{.7}{30})} = \frac{11.9}{1.35} = 8.8 \text{ cfs}$$

#### 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) ÷ 8.8 = \_\_\_\_\_ (5)

Meter Input KW: 3.6 x \_\_\_\_\_ 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 = \_\_\_\_\_ (8)

Panel Input HP: (8) x 1.34 = \_\_\_\_\_ (9) Efficiency: (5)/(9) x 100 = \_\_\_\_\_ %

#### G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = .7 \times 4.5 = 3.2 \text{ oia}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = .03 \times 246 \times 1.9835 = 9.8 \text{ oia}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 3.2 \text{ oia}$$

2. Volume Calculations for Other Uses:

*NA*

\* Allow up to .03 cfs per acre

JUN 13 1994

\* GL 2/5/92

# H. REMARKS AND OVERLAP REVIEW ANALYSIS

63-11261 is an irrigation right at the same P14 as this permit but from a different ~~ground~~ well. The other rights on same P14 do not affect this permit. 63-11309 is a permit to irrigate a small park from a well next to the P14 for this permit.

Recommend period of use comply with department standards.

# I. RECOMMENDATIONS

## 1. Recommended Amounts

| Beneficial Use | Period of Use |       | Rate of Diversion<br>Q (cfs) | Annual Volume<br>V (afa) |
|----------------|---------------|-------|------------------------------|--------------------------|
|                | From          | To    |                              |                          |
| * Irrigation   | 3-15          | 11-15 | .03<br>.02 cfs               | 3.2 afa                  |
|                |               |       |                              |                          |
|                |               |       |                              |                          |
| Totals:        |               |       | .03<br>.02 cfs               | 3.2 afa                  |

## 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

# J. AUTHENTICATION

Field Examiner's Name

Melvin T. Schulte

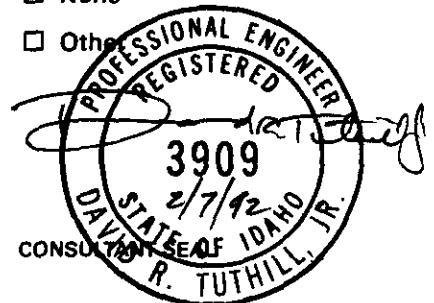
Signature

Melvin T. Schulte

Certification Date

Field Report Preparation Date

12-17-91



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

JUN 13 1994

DENVER

PERMIT 63-11260 INIT

T. R. S. 010

P/D 4W 3N 21 NE NE

SCALE

PHOTO ID. X5

P12+P14

NOV 13 1961

Permit No. 63-11260

## IRRIGATION RIGHT FROM A GROUND WATER SOURCE

A theoretical calculation is necessary to determine if a measurement is required for irrigation from a groundwater source.

=====

1. Using the found acres (or an estimate by the permit holder) calculate the acre-foot per annum limit. This is the volume that the system must be able to theoretically produce to exclude a rate of flow measurement.
2. Next, given the pump hp and the estimated dynamic water level, calculate the theoretical rate of flow that the system can produce.
3. Using the rate found in step 2 and the days in the permitted irrigation season, calculate the theoretical AFA that the system could produce. This volume is then compared to the first AFA calculation. If the theoretical volume (step 3) is greater than the irrigation requirement volume (step 1) then no measurement is necessary. If it is less, then you must make a diversion rate measurement during the field examination.

1. 
$$\frac{.7}{\text{Found Acres}} * \frac{4.5}{\text{Irr. Req.}} = \frac{3.2}{\text{AFA}}$$
2. 
$$\frac{(5) \text{ HP} * 8.8 * (.7) \text{ EFF}}{(20) \text{ Dyn Level} + (2.3 * \{ \frac{.35}{30} \} \text{ PSI})} = \frac{135}{179} \text{ CFS}$$
  
Theor. Div. Rate
3. 
$$\frac{135}{179} * \frac{246}{\text{Days in season}} * 1.9835 = \frac{170.8}{128}$$
  
Div. Rate \* season \* factor = AFA

Note: for electrical motors  
EFF = 0.70  
for diesel motors  
EFF = 0.60

Data Requires Verification ☐  
Measurement Required -- ☐  
Measurement Not Required ☒

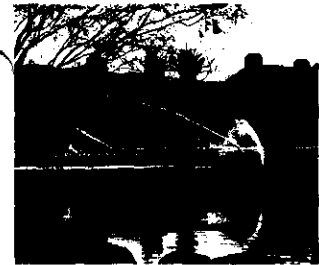
## Calculation data sources:

Found acres = .7 - pacing  
 HP = 5 - owner's file information  
 Dyn Level = 20 - estimated based on area well logs  
 PSI = 30 - measured at sprinkler heads

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63-11260



### Performance Charts

| Nozzle Size/Color | PSI | Standard Angle GPM | Standard Angle Radius | Low Angle Radius | Nozzle Size/Color | PSI | Standard Angle GPM | Standard Angle Radius | Low Angle Radius |
|-------------------|-----|--------------------|-----------------------|------------------|-------------------|-----|--------------------|-----------------------|------------------|
| 1.0               | 25  | 0.80               | 34'                   | 30'              | 4.5               | 25  | 2.80               | 39'                   | 34'              |
|                   | 30  | 0.89               | 35'                   | 31'              |                   | 30  | 3.13               | 40'                   | 36'              |
|                   | 35  | 0.96               | 36'                   | 32'              |                   | 35  | 3.43               | 41'                   | 38'              |
|                   | 40  | 1.03               | 36'                   | 33'              |                   | 40  | 3.71               | 43'                   | 40'              |
|                   | 45  | 1.10               | 37'                   | 34'              |                   | 45  | 3.98               | 45'                   | 41'              |
|                   | 50  | 1.16               | 37'                   | 35'              |                   | 50  | 4.23               | 46'                   | 42'              |
|                   | 55  | 1.21               | 38'                   | 35'              |                   | 55  | 4.44               | 46'                   | 43'              |
| 1.5               | 60  | 1.26               | 38'                   | 36'              | 6.0               | 60  | 4.64               | 47'                   | 44'              |
|                   | 25  | 1.11               | 35'                   | 31'              |                   | 25  | 4.13               | 39'                   | 35'              |
|                   | 30  | 1.23               | 37'                   | 31'              |                   | 30  | 4.63               | 42'                   | 36'              |
|                   | 35  | 1.34               | 38'                   | 32'              |                   | 35  | 5.08               | 45'                   | 37'              |
|                   | 40  | 1.45               | 39'                   | 33'              |                   | 40  | 5.50               | 47'                   | 39'              |
|                   | 45  | 1.55               | 39'                   | 35'              |                   | 45  | 5.90               | 48'                   | 41'              |
|                   | 50  | 1.64               | 40'                   | 37'              |                   | 50  | 6.28               | 50'                   | 45'              |
| 2.0               | 55  | 1.72               | 40'                   | 37'              | 7.5               | 55  | 6.58               | 50'                   | 46'              |
|                   | 60  | 1.80               | 41'                   | 38'              |                   | 60  | 6.88               | 51'                   | 48'              |
|                   | 25  | 1.42               | 35'                   | 31'              |                   | 25  | 5.35               | 41'                   | 35'              |
|                   | 30  | 1.58               | 36'                   | 32'              |                   | 30  | 5.92               | 42'                   | 37'              |
|                   | 35  | 1.73               | 37'                   | 33'              |                   | 35  | 6.45               | 44'                   | 39'              |
|                   | 40  | 1.86               | 39'                   | 35'              |                   | 40  | 6.94               | 46'                   | 42'              |
|                   | 45  | 1.99               | 40'                   | 37'              |                   | 45  | 7.41               | 48'                   | 43'              |
| 3.0               | 50  | 2.11               | 41'                   | 40'              | 9.0               | 50  | 7.84               | 50'                   | 45'              |
|                   | 55  | 2.21               | 41'                   | 40'              |                   | 55  | 8.22               | 50'                   | 47'              |
|                   | 60  | 2.31               | 42'                   | 40'              |                   | 60  | 8.59               | 51'                   | 50'              |
|                   | 25  | 2.40               | 39'                   | 33'              |                   | 25  | 5.64               | 42'                   | 34'              |
|                   | 30  | 2.66               | 41'                   | 34'              |                   | 30  | 6.28               | 45'                   | 36'              |
|                   | 35  | 2.89               | 43'                   | 35'              |                   | 35  | 6.87               | 47'                   | 38'              |
|                   | 40  | 3.12               | 44'                   | 37'              |                   | 40  | 7.42               | 48'                   | 41'              |
| 4.5               | 45  | 3.32               | 45'                   | 39'              | 9.0               | 45  | 7.93               | 50'                   | 42'              |
|                   | 50  | 3.52               | 45'                   | 42'              |                   | 50  | 8.90               | 51'                   | 44'              |
|                   | 55  | 3.69               | 46'                   | 43'              |                   | 55  | 9.33               | 51'                   | 46'              |
|                   | 60  | 3.86               | 46'                   | 45'              |                   | 60  | 9.75               | 52'                   | 49'              |

All performance specifications are based on the stated working pressure available at the base of the sprinkler head.



Lavender debris cover available upon special request for effluent application.



Debris cover must be installed to complete installation.

- Recommended Operating Pressure—25–50 PSI
- Maximum Operating Pressure—75 PSI
- Dimensions
  - Body Diameter 2<sup>3</sup>/<sub>8</sub>"
  - Cap Diameter 3"
  - Height 16<sup>1</sup>/<sub>2</sub>"
- Radius—30'–52'
- Flow Rate—8–975 GPM
- Trajectory
  - Standard Angle 25°
  - Low Angle 15°
- Maximum Height of Spray
  - Low Angle (15°)
    - 1.0 Nozzle—4'6" @ 40 PSI
    - 1.5 Nozzle—4'10" @ 40 PSI
    - 2.0 Nozzle—5'4" @ 40 PSI
    - 3.0 Nozzle—5'2" @ 40 PSI
    - 4.5 Nozzle—5'7" @ 40 PSI
    - 6.0 Nozzle—5'5" @ 40 PSI
    - 7.5 Nozzle—5'6" @ 50 PSI
    - 9.0 Nozzle—5'5" @ 50 PSI
  - Standard Angle (25°)
    - 1.0 Nozzle—7'6" @ 40 PSI
    - 1.5 Nozzle—7'6" @ 40 PSI
    - 2.0 Nozzle—8'0" @ 40 PSI
    - 3.0 Nozzle—8'6" @ 40 PSI
    - 4.5 Nozzle—9'0" @ 40 PSI
    - 6.0 Nozzle—10'0" @ 40 PSI
    - 7.5 Nozzle—10'6" @ 50 PSI
    - 9.0 Nozzle—11'0" @ 50 PSI

### Ordering Information

**S700X-XX-XX-XX**

#### Body

S700—Lawn  
S700C—Commercial  
S700HP—Hi-Pop  
S700S—Shrub

#### Arc

PC—Part Circle  
FC—Full Circle

#### Gallage

1.0  
1.5  
2.0  
3.0  
4.5  
6.0  
7.5  
9.0

#### Low Angle

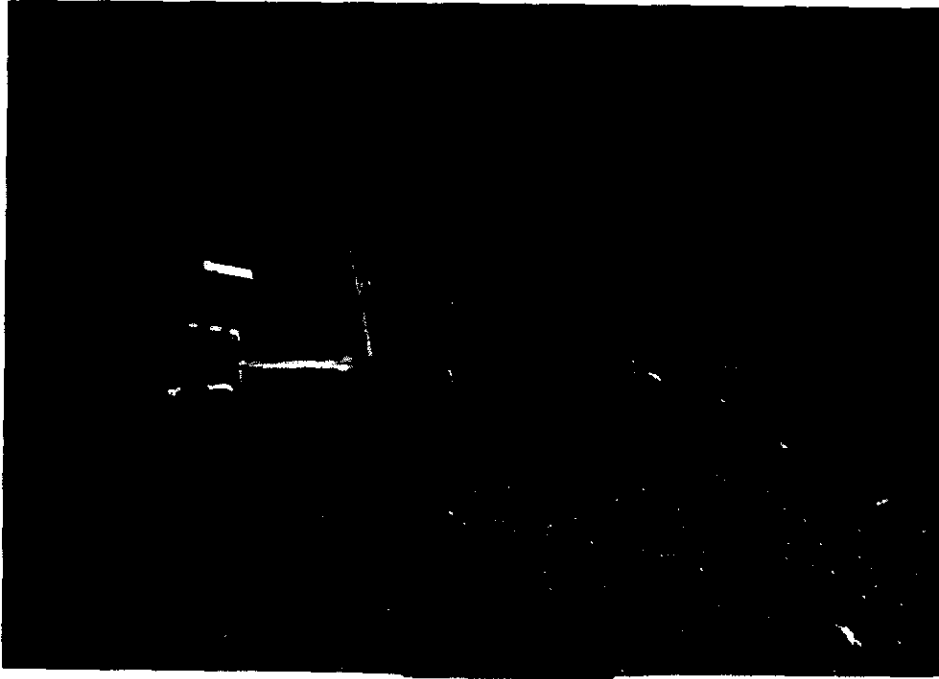
Indicate  
L.A. if  
low angle  
selected.

For instance: S700-PC-1.0 means a part circle, lawn sprinkler, which would throw .96 GPM a distance of 36' at 35 PSI.

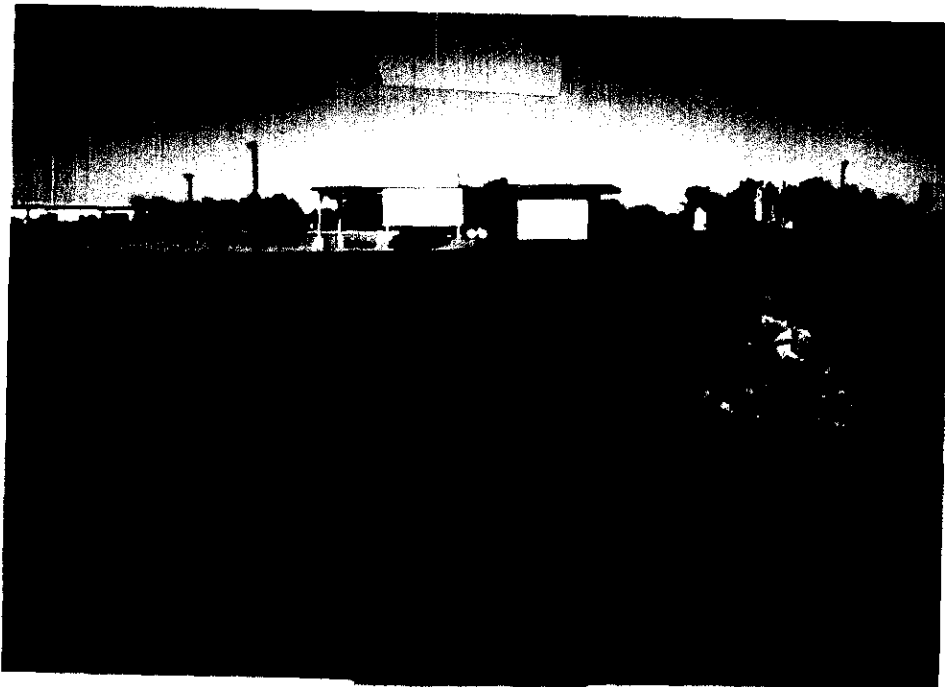
For additional information, refer to literature piece 490-2320.

JUN 13 1994

63-11260



#1  
P10



#2  
P14

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63-11260



#3

P/4

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JUN 18 1994

Department of Water Resources

WELL INSPECTION FORM

If well is associated with water right, provide WR# 63-11260  
Otherwise provide legal description and a sketch map and/or address  
so that the well can be located easily.

1. Legal Description: TWP 4N, Rge 3W, Sec. 21, NE 1/4 NE 1/4  
or Lot \_\_\_\_\_.
2. Owner: City of Caldwell  
Address P.O. Box 1177, City Caldwell, St. ID
3. Casing  $\geq$  12 inches above ground: Yes ✓ No \_\_\_\_\_
4. Access Port: Yes \_\_\_\_\_ No ✓ Static Water Level: 6-8'  
Pressure Gauge: Yes \_\_\_\_\_ No ✓ Casing Diameter: 8"  
Flowing: Yes \_\_\_\_\_ No ✓ Temperature: \_\_\_\_\_
5. Are there any obvious construction problems that may be a  
source for contamination or waste of water: Yes \_\_\_\_\_ No ✓

If answer to Item 5 is Yes, describe in remarks and attach  
photo.

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

MISSOURI  
JUN 13 1994

July 15, 1991

CITY OF CALDWELL  
P.O. BOX 1177  
CALDWELL, ID 83605

PROOF ACKNOWLEDGMENT LETTER

RE: PERMIT NO. 63-11260

Dear Permit Holder:

The department acknowledges receipt of the proof of beneficial use form submitted for the above referenced permit. Enclosed is an order advancing the priority of the permit since the proof was received after the proof due date. The next step in the process of developing a water right is for the department to conduct a field examination to determine and confirm the use being made of the water.

If you have questions concerning this matter, please feel free to contact the WESTERN Regional Office in Boise at (208)334-2190.

Sincerely,

Rita Fleck  
Secretary/Records Manager

c: IDWR - Region

Enclosure

RECEIVED

AUG 06 1991

# WARNING

CANCELLED OR LAPSED

This permit has been officially CANCELLED or LAPSED.

Ninety days following the date of official action this file will be DESTROYED.

July 5, 1991

CITY OF CALDWELL  
P.O. BOX 1177  
CALDWELL, ID 83605

LAPSE NOTICE

RE: PERMIT NO. 63-11260

Dear Permit Holder:

You are hereby notified that under the provisions of Section 42-218A, Idaho Code, the above referenced permit has lapsed and is of no further force nor effect. The department provided the proper forms to you in our proof due notice dated April 30, 1991. No further construction or additional development is authorized under this permit unless it is reinstated.

The permit can only be reinstated if you submit an acceptable proof of beneficial use or an acceptable request for extension of time to the department within sixty (60) days of the mailing of this lapse notice. An acceptable proof of beneficial use submittal must include the examination fee or a completed field examination report. A request for extension of time must be accompanied by a fifteen dollar (\$15) fee.

Enclosed again for your use are a proof of beneficial use form and a request for extension of time form. Please note that only one extension of time can be granted unless the project has not been completed because of lack of a necessary approval by a government agency or by litigation which may bring title to the water in question.

L. GLEN SAXTON  
Chief, Water Allocation Bureau

LGS:rf

Enclosures

**CERTIFICATION OF MAILING**

I hereby certify that on 7-8-91  
a copy/an original of this document was  
deposited in the United States mail,  
postage prepaid addressed to the  
individual(s) named above.

**MAILED**

JUN 13 1994

138481  
April 30, 1991

CITY OF CALDWELL  
P.O. BOX 1177  
CALDWELL, ID 83605

PROOF DUE NOTICE

RE: PERMIT NO. 63-11260

Dear Permit Holder:

One of the conditions of approval of the above referenced water permit was that proof of the extent of your beneficial use must be submitted to this office on or before July 1, 1991. (See last page of your approved permit or your last approved extension request.) Enclosed is a form which when accompanied by the license examination fee or a complete field examination report prepared by a certified water right examiner may be used to submit the required proof.

If you have not fully completed your project, and you or a previous owner of this permit have not received a prior extension of time, you may request an extension of time if the delay is for reasonable cause as provided in Section 42-204, Idaho Code. If you have been prevented from proceeding by a governmental agency or by litigation which might bring title to the water in question, more than one extension of time can be granted. An extension of time request form is enclosed for your convenience.

Either an acceptable proof of beneficial use submittal or an acceptable request for an extension of time must be received by this department on or before the above described proof due date. If neither is received, the department will send you a lapse notice. Within sixty (60) days of the mailing of the lapse notice, the permit will no longer be of any force nor effect.

SINCERELY,

Rita Fleck  
Secretary/Records Manager

Enclosures

MAILED  
AUG 06 1991

S T A T E   O F   I D A H O  
D E P A R T M E N T   O F   W A T E R   R E S O U R C E S

-----

Statehouse  
Boise, Idaho 83720  
(208) 327-7900  
June 29, 1990

CITY OF CALDWELL  
P.O. BOX 1177  
CALDWELL, ID 83605

P E R M I T   A P P R O V A L   N O T I C E

RE: PERMIT NO.      P63-11260

Dear Permit Holder:

Enclosed is a copy of your approved application for permit. We direct your attention to the conditions of approval on the final page.

You should be aware that the groundwater you propose to divert is located within a drainage basin where surface waters are regulated during the months of low flow. It is possible that diversion of groundwater may have an adverse impact on these surface water flows. Information available to us at this time does not warrant refusing to issue permits in your area, but we do caution that diversions of groundwater are not allowed to deplete flows available for surface water users with earlier priority dates. Siting your well as far from surface sources as possible and casing out upper water producing zones may reduce the potential of interference.

Section 42-235, Idaho Code, requires that a "drilling permit" must be obtained from the department for all wells constructed after July 1, 1987. A drilling permit is a separate permit that must be issued in addition to your permit to appropriate water. Commencement of well construction or diversion of water under your permit to appropriate water is prohibited unless a drilling permit is obtained.

We have enclosed a form entitled "Instructions for Proof of Beneficial Use". Please read the instructions carefully since you must take further action to develop this permit. Also enclosed for your convenience is a form entitled "Proof of

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JUL 26 1990

Beneficial Use" that must be submitted to the Department when your project is completed. If development is complete, you may submit proof of beneficial use immediately.

Sincerely,

GARY SPACKMAN, Supervisor  
Water Right Permits Section

GS: SC  
Enclosures

**MICROFILMED**

JUL 26 1990

# EXPENDITURE VOUCHER

AUDITOR USE

STATE OF IDAHO  
 Office of State Auditor

AGENCY USE

|                  |
|------------------|
| 8575             |
| Date<br>04/02/90 |
| Code<br>193002   |

**VENDOR:** If you require additional information regarding this payment, please contact the State agency listed below.

AGENCY NAME: DEPT. OF WATER RESOURCES

|              |      |
|--------------|------|
| Document No. |      |
| Pre-Audit    | Date |
| Warrant No.  |      |

PAY  
TO

CITY OF CALDWELL  
 PO BOX 1177  
 CALDWELL, ID 83605

CHECK ONE:

( 1 ) MISCELLANEOUS EXPENDITURE  
 ( ) STATE CONTRACT

( ) PURCHASE ORDER

( ) MISCELLANEOUS ENCUMBRANCE REQUISITION

PAYMENT: ( ) PARTIAL ( ) FINAL

Encumbrance Reference No.

| LINE No. | PROGRAM   | FUND | ACCT. |     | DESCRIPTION                                                                           | LINE AMOUNT | AGENCY USE |
|----------|-----------|------|-------|-----|---------------------------------------------------------------------------------------|-------------|------------|
|          |           |      | Maj   | Min |                                                                                       |             |            |
| 1        | 06 20 199 | 1238 | 8831  |     | REFUNDS<br>PER STEVE LESTER<br>RECEIPT #C015577<br>3/27/90 50.00<br><br>(for 3 appls) | 50.00       |            |

RECEIVED  
 APR 04 1990

Department of Water Resources  
 Western Regional Office

MICROFILMED  
 JUL 26 1990

NOTE: Final payment must be accompanied by a receiving copy

TOTAL

TO STATE AUDITOR

Request is hereby made that a warrant be authorized and drawn in payment of the item or items described above. I hereby certify that the items described were ordered by proper authority; that they are necessary in the public service, that the items have been received and accounted for, and that the account as stated is correct and just.

AUDITOR'S CERTIFICATE

I hereby certify that the above account is in proper form; that totals carried hereon are correct; that receipts when required by law or regulation of the State Board of Examiners covering items for which reimbursement is asked are submitted herewith; and that there are funds in the state treasury and balances in appropriation accounts out of which the same may be lawfully paid.

MEMORANDUM

TO: NANCY HANDZEL

FROM: STEVE LESTER

DATE: MARCH 27, 1990

SUBJ: REFUND FOR APPLICATION

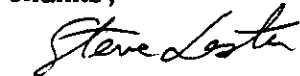
On 3/15/90 the City of Caldwell filed 5 applications for permit and paid \$245, see attached receipt C015577. Upon review, 3 of the applications were modified and the fees were reduced as follows:

| <u>original application fee</u> | <u>revised application fee</u> | <u>refund</u> |
|---------------------------------|--------------------------------|---------------|
| \$65                            | \$45                           | \$20          |
| \$45                            | \$30                           | \$15          |
| \$45                            | \$30                           | \$15          |
|                                 | TOTAL                          | \$50          |

Please issue a \$50 refund and mail it to:

City of Caldwell  
P.O. Box 1177  
Caldwell, ID. 83605  
(455-3000)

Thanks,



Steve Lester  
Sr. Water Resource Agent

**MICROFILMED**

JUL 26 1990

COPY

C015577

03/15/90  
09:43:44

CALDWELL, CITY OF

Should be  
0620199  
↓

APPLICATIONS FOR PERMIT  
ADJUDICATION FEES

|         |      |      |            |
|---------|------|------|------------|
| 0610199 | 1238 | 6390 | \$245.00   |
| 0410162 | 9337 | 6490 | \$3,496.00 |

\$3,741.00

CHECK 13568

Idaho Department of Water Resources

Region: STATE

Signature: \_\_\_\_\_

**MICROFILMED**

JUL 26 1990

63-11260  
100-11260

CITY OF CALDWELL  
P.O. BOX 1177  
CALDWELL, ID 83605

Source: GROUNDWATER

Diversion Pt: NENE Sec 21 T 04N R 03W

Use: IRRIGATION ( .150 CFS)  
Total Diversion: ( .150 CFS)

Date Filed: 3/15/ 1990

In: T04N R03W S21 NENE

5.0 ACRES TOTAL

**MICROFILMED**

JUL 26 1990