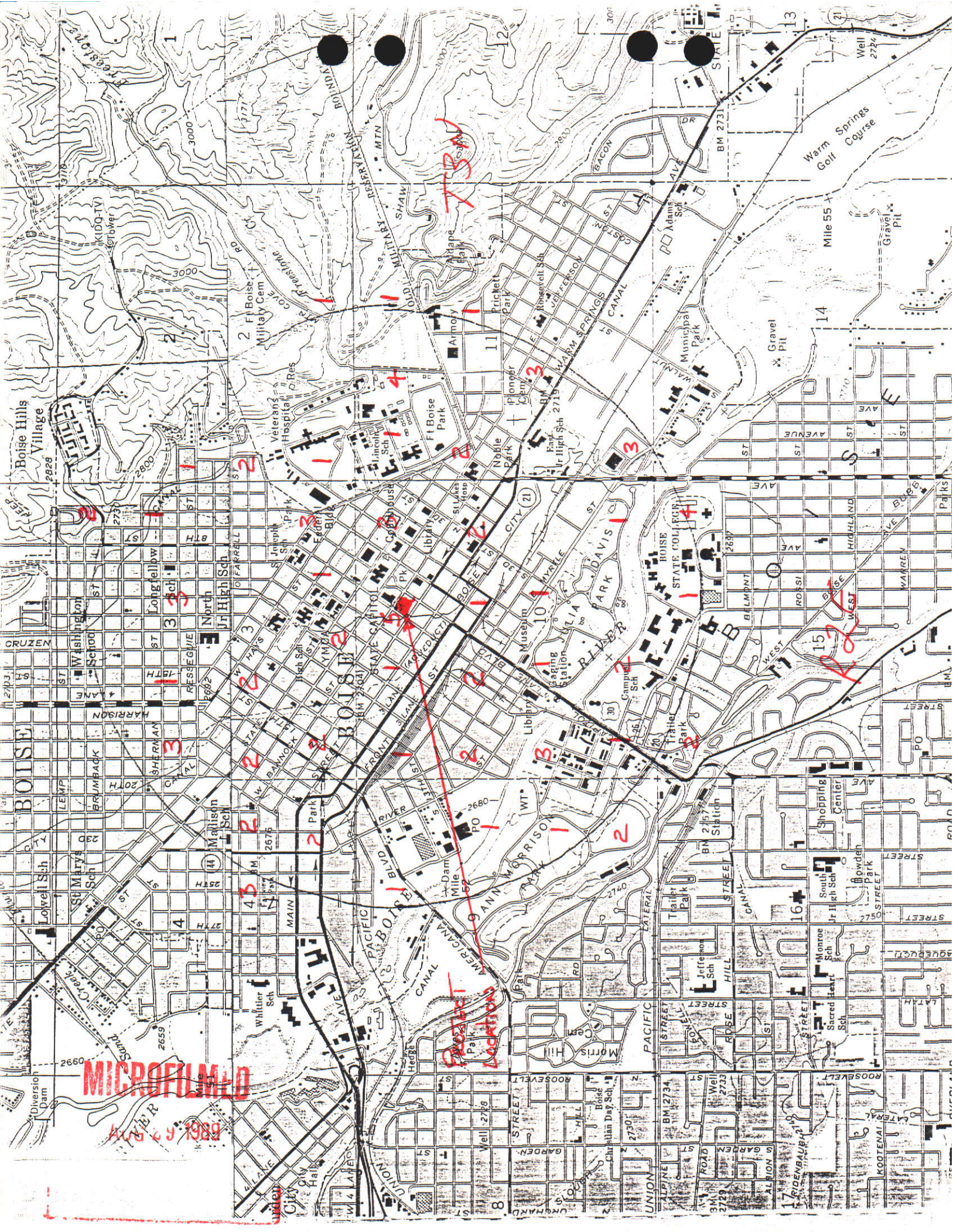


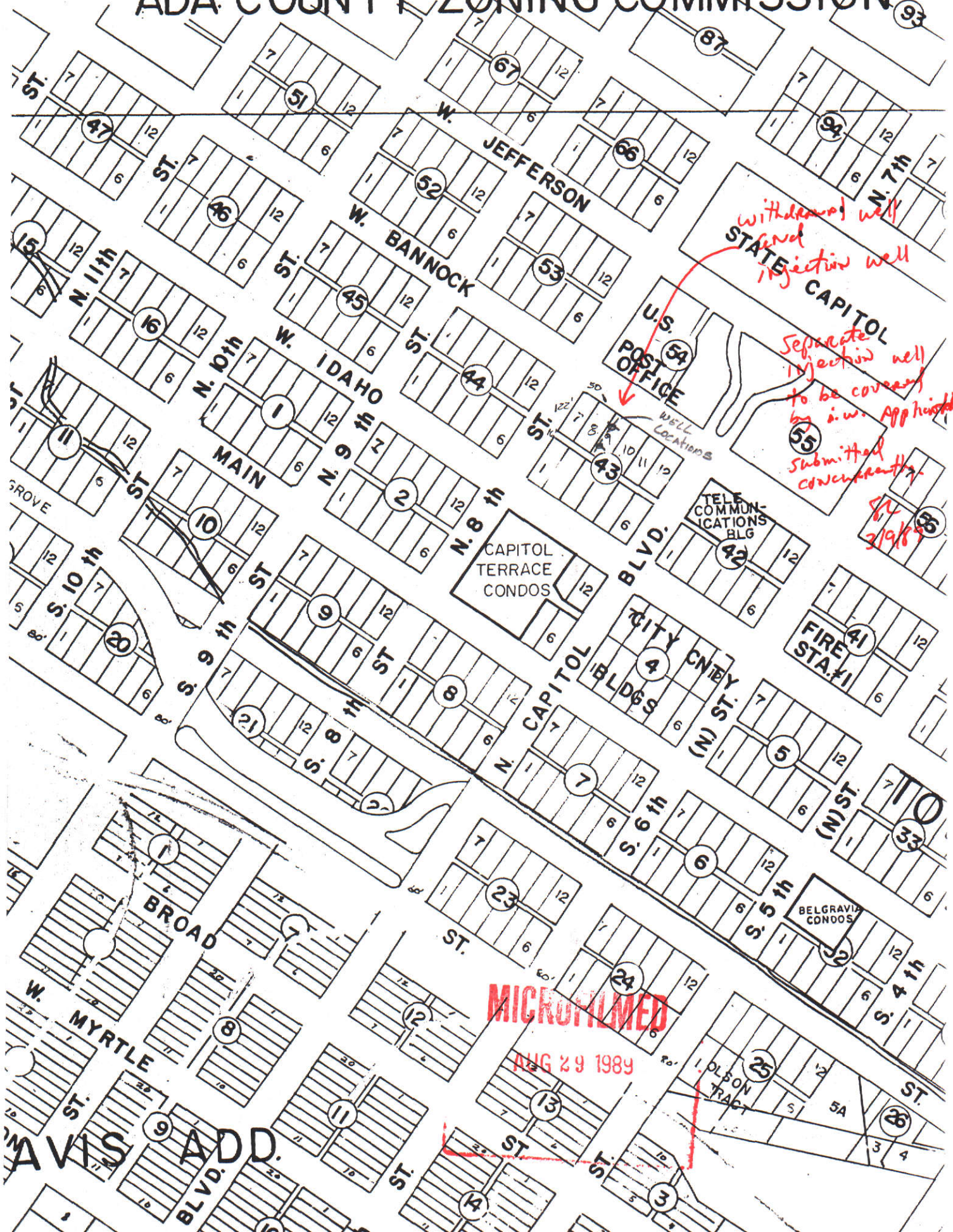


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APR 6 1989

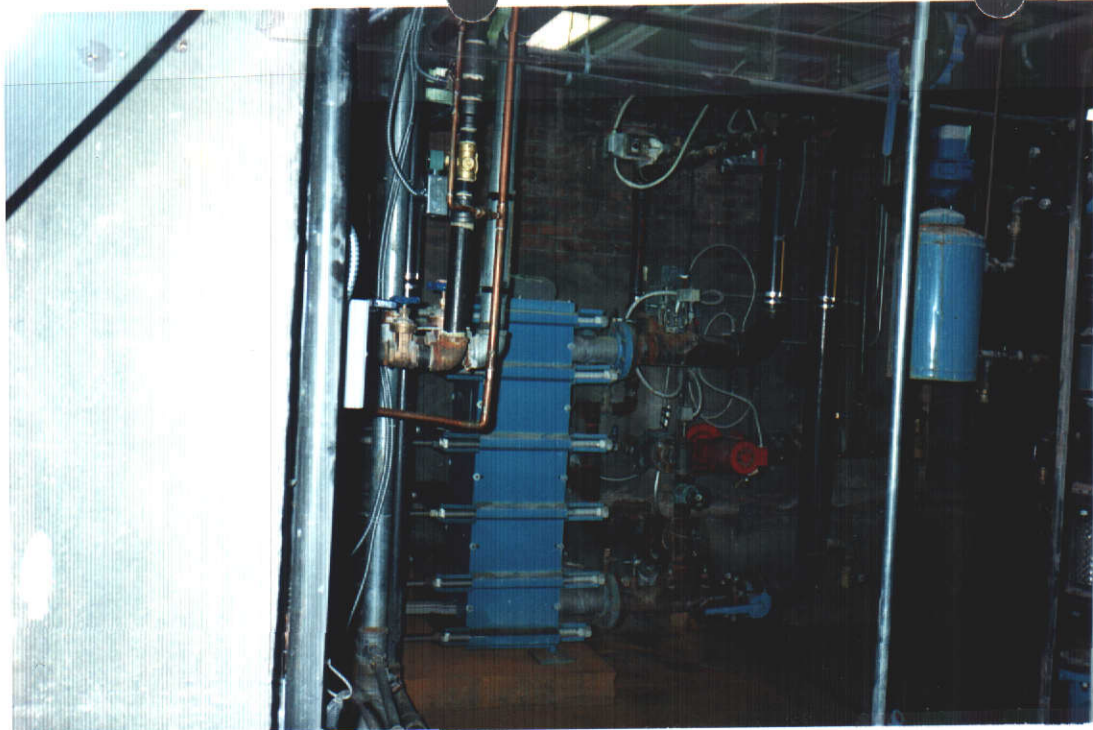
SEC. 10 - T 3 N. - R 2 E.  
ADA COUNTY ZONING COMMISSION

93





PERMIT 63-0773 INIT ML  
T. R. S. 9/0  
P/D 30 21 10  
SCALE 1:10,000  
PHOTO ID. X-57 B  
**JUN 29 1995**



CLOSED LOOP  
HEAT EXCHANGE  
UNIT

SUBMERSIBLE  
DIRECTLY BEHIND  
WALL UNDER  
PARKING LOT

P/u - IDAHO BLDG  
280 N 8th

Middotun

JUN 29 1995



State of Idaho  
Department of Water Resources

# WATER RIGHT LICENSE

WATER RIGHT NO. 63-10773

Priority: March 8, 1989

Maximum Diversion Rate:

0.37 CFS

Maximum Diversion Volume:

37.9 AF

This is to certify, that W E PIERCE BUILDING ASSOC  
1020 MAIN ST SUITE 440  
BOISE ID 83702

has complied with the terms and conditions of the permit, issued pursuant to Application for Permit dated March 8, 1989; and has submitted Proof of Beneficial Use on June 25, 1990. An examination indicates that the works have a diversion capacity of 0.480 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> |
|-----------------------|----------------------|--------------------------|----------------------|
| COOLING               | 01/01 to 12/31       | 0.37 CFS                 | 37.9 AF              |

LOCATION OF POINT(S) OF DIVERSION:

NWNE , Sec. 10, Township 03N, Range 02E  
ADA County

PLACE OF USE: COOLING

TWN RGE SEC

03N 02E 10 NWNE

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. Cooling use is for a combination office and apartment building.

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 26<sup>TH</sup> day of JUNE, 1995.

Acting for

KARL J. DREHER, Director

JUN 29 1995

08/89

**RECEIVED**

JUN 25 1990

## STATE OF IDAHO

## DEPARTMENT OF WATER RESOURCES

Department of Water Resources

## PROOF OF BENEFICIAL USE

For Office Use Only

Amt. of Fee \$ 100.00Date 6/25/90Receipt No. 0017424Received by C. Wong

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.

Permit No. 63-10773 Telephone No. 345-3221

Name(s) of Permit Holder(s): W. E. Pierce Building Associates

Post Office Address: 1020 Main Street, Suite 440, Boise, Idaho 83702

Source of Water: Ground water

If ground water, well driller's name: Earl Skinner Date drilled: 1/17 - 1/23/90  
Can Ada Well Drilling

Extent of Use:  
 Domestic \_\_\_\_\_ (No. of households) Irrigation \_\_\_\_\_ (No. of acres)  
 Stockwater \_\_\_\_\_ (No. and type of stock) Other Cooling water for  
geothermal heat exchanger

Total rate and/or volume for which proof is submitted 0.37 cfs \_\_\_\_\_ acre/feet

Show date water was first diverted and beneficially used under this permit: February 1990

One of the following may be a condition of approval of your permit:

Measuring device: Required? Yes X No Installed? Yes X No

OR

Flow Measurement Port: Required? Yes X No Installed? Yes X No

Fee Enclosed: \$ 100.00 (See License Examination Fee Schedule)

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

John Swartz

384-9074

Name

Telephone No.

Idaho Building, 280 North 8th Street, Boise, Idaho 83702

Address

**MICROFILMED**

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.

DEC 11 1990

6/21/90

Date

Kenneth G. Howell

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

Kenneth G. Howell for Rental Housing Inc., General Partner,  
 W. E. Pierce Building Associates

STATE OF IDAHO  
DEPARTMENT OF WATER RESOURCES  
APPLICATION FOR PERMIT

Ident. No. 63-10773

To appropriate the public waters of the State of Idaho

APPROVED

1. Name of applicant W.E. Pierce Building Associates Phone 349-3221  
Post office address 1020 Main Street, Suite 440, Boise, Idaho 83702

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

3. Location of <sup>well of diversion</sup> point of diversion is \_\_\_\_\_ 1/4 of NW 1/4 of NE 1/4, Govt. Lot 9  
Sec. 10 Township 3N Range 2E B.M. Ada County; additional  
points of diversion if any: \_\_\_\_\_

4. Water will be used for the following purposes:

Amount .37 for cooling well purposes from Jan. 1 to Dec. 31 (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) .37 and/or (b) N/A  
cubic feet per second acre feet per annum

6. Proposed diverting works:

a. Description of ditches, flumes, pumps, headgates, etc. N/A well, pump, and  
pipeline \*

b. Height of storage dam N/A 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 8" ± inches; proposed depth of well is 150' ± 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 beneficial use is  
1 years (minimum 1 year).

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AUG 29 1989

\* personal conv. with Ken Howell at IDWR office  
prior to filing of application. gc 3/9/89

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

- a. Hydropower; show total feet of head and proposed capacity in KW. \_\_\_\_\_
- b. Stockwatering; list number and kind of livestock. \_\_\_\_\_
- c. Municipal; show name of municipality. \_\_\_\_\_
- d. Domestic; show number of households. \_\_\_\_\_
- e. Other; describe fully. Cooling water for heat exchanger in multi-use building

9. Description of place of use:

- a. If water is for irrigation, indicate acreage in each subdivision in the tabulation below.
- b. 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 |        |
| 3N  | 2E    | 10   |     | L   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |
|     |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |
|     |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |
|     |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |
|     |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |
|     |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |
|     |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |
|     |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |
|     |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |
|     |       |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |        |

Total number of acres to be irrigated 0

10. Describe any other water rights used for the same purposes as described above. None

11. a. Who owns the property at the point of diversion? applicant

b. Who owns the land to be irrigated or place of use? applicant

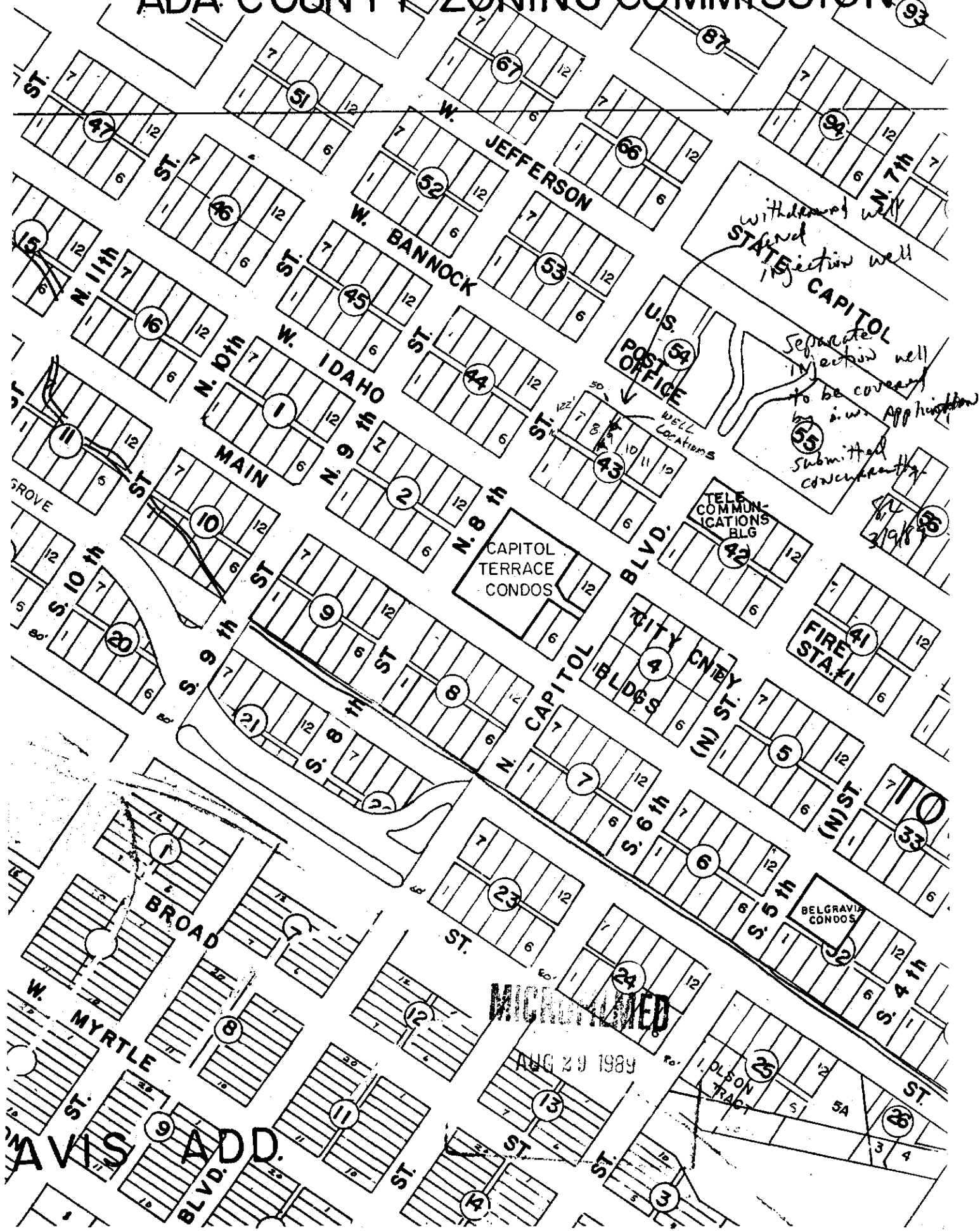
c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing. N/A

AUG 29 1989

12. Remarks: Water will pass through a closed loop heat exchanger prior to injecting into an on-site proposed injection well. Maximum seasonal output may approach 165 GPM only during peak cooling periods during the daylight hours. System will be operational year around, but demand during fall and winter months shall be minimal. The system shall cool a 7 level (including basement) multi-use building consisting of retail, office, and residential units. Ken Howell is the general partner of W.E. Pierce Building Associates and is responsible to manage the project.



SEC. 10 - T 3 N. R 2 E.  
ADA COUNTY ZONING COMMISSION



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

SEE ATTACHED

MICROFILMED

AUG 29 1989

Scale: 2 inches equal 1 mile.

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.

W.E. Pierce Bldg. Assoc. is a Ltd. Partnership  
where the General Partner is Reynolds Housing, Inc.  
Ken Howell is the Pres. of Reynolds, and  
Linda Thiel is the Sec'y. Addresses for them  
are same as Applicant.

  
(Applicant)

Ken Howell  
General Partner and  
Pres. of Reynolds Housing, Inc.

St. per phone conv. with K. Howell, 3/7/89

Proposed Priority 3/8/89

Received by ml Date 3-8-89 Time 11:15 AM Preliminary check by SL  
Fee \$ 45<sup>00</sup> Receipted by SL # was 2366 Date 3/9/89 *check rec'd with appl 3/8/89*  
Publication prepared by GG Date 5-29-89 Published in ID Statesman  
Publication approved st Date 4-25-89 4/6 & 4/13/89

### 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. 63-10773, and said application is hereby APPROVED.

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 August 1, 19 90.

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: Permit holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code.

Return flow if discharged to a subsurface system must be authorized by a separate injection well permit, and return flow if discharged to a surface water system shall meet Idaho Water Quality Standards.

Witness my hand this 19<sup>th</sup> day of July, 1989.

A. Glen Saylor

**NOT REFILED**

AUG 29 1989



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

PHILIP E. BATT  
GOVERNOR

KARL J. DREHER  
DIRECTOR

June 27, 1995

KEN HOWELL  
W E PIERCE BUILDING ASSOCIATES  
817 W FRANKLIN  
BOISE ID 83702

RE: WATER RIGHT NO. 63-10773

Dear Water Right Holder(s):

Enclosed is a copy of the Water Right License issued on the above referenced permit. If you have any questions, please contact me within 10 days of receipt of this license.

Sincerely,

Shelley W. Keen  
Water Rights Supervisor

SK:rl

Enclosure

RECEIVED

JUN 29 1995

# LICENSE REVIEW CHECKLIST



PERMIT NO. 63-10773 DATE 9-6-94  
6-19-95

NAME Change OK ☒ Or Address Change? ☐

PRIORITY DATE Advance? ☒ Advanced to: Order to reinstate needed? Incorrect fee for rate recommended? NO

SOURCE Changes or just clarification of originally intended source? ☒ Notice of Intent to Void necessary? NO

POINT OF DIV Amendment needed? ☒ Overlaps? ☒

PLACE OF USE Amendment needed? ☒ Overlaps? ☒

DIV RATE Permit/fee limits: .37 CFS  
Meas Q =            Theo Q = .48 Recommend: .37  
Per heating/cooling program flow rate of .42 CFS is necessary - recommend permit limit of .37 CFS.  
Combined rates exceed capacity           

ANNUAL VOLUME

Volume Limit:            Season: 1-1 to 12-31  
Calculations: Per chart requirements = 37.9 gF  
Flow limit:            cfs x            x 1.9835 =             
Combined volumes exceed capacity/allowable           

USES Change in Nature of Use or additional uses? ☒ Amendment necessary?           

ADDITIONAL INFO Supplemental Groundwater            PPU Scenario             
Irr/Dom Combination            Shared G/W System           

NEW REMARKS NO Multiple p/d(s) in ¼ ¼?             
YES Other           

NEW CONDITIONS NO Watermaster control - District             
NO Measuring/Locking Devices             
NO Irrigation Overlap             
NO Other RO1 (replaces OGC when combined with RO8) ± 0.27  
ROP Water Quality            Heat/Cool/Fish verified YES

COMMENTS:             
            
          

| RECOMMENDATION    | CFS               | VOLUME            | SRBA Claim Filed  | Adjustment Memo Needed | LICENSE           |
|-------------------|-------------------|-------------------|-------------------|------------------------|-------------------|
| <u>Cooling</u>    | <u>.37</u>        | <u>37.9</u>       | <u>NO</u>         | <u>YES</u>             | <u>          </u> |
| <u>          </u> | <u>          </u> | <u>          </u> | <u>          </u> | <u>          </u>      | <u>          </u> |
| <u>          </u> | <u>          </u> | <u>          </u> | <u>          </u> | <u>          </u>      | <u>          </u> |
| <u>          </u> | <u>          </u> | <u>          </u> | <u>          </u> | <u>          </u>      | <u>          </u> |
| <u>          </u> | <u>          </u> | <u>          </u> | <u>          </u> | <u>          </u>      | <u>          </u> |

1ST AMEND LETTER             
2ND AMEND LETTER

MEMORANDUM

TO: File 63-10773 / W. E. Pierce Building Associates  
FROM: Brenda Chapman  
DATE: June 20, 1995  
RE: Recommendation Adjustment(s)

=====

The final licensing recommendations for the above referenced water right are based on the information below:

G. VOLUME CALCULATIONS

The annual volume recommendation has been adjusted. No engineering system specifications were included in the file or with the exam; therefore, the recommendation is based on guidelines from the 9/28/92 Administrator's Memorandum Application Processing No. 23 (Amended). See the attached worksheet calculations.

H. RECOMMENDATIONS

1. Recommended Amounts

| Beneficial Use | Period of Use | Rate of Div | Annual Vol |
|----------------|---------------|-------------|------------|
| Cooling        | 1-01 to 12-31 | .37         | 37.9       |

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JUN 29 1995

MEMORANDUM

TO: FILE 63-10773  
FROM: BRENDA CHAPMAN  
RE: GENERAL REVIEW OF COOLING USE REQUIREMENTS  
DATE: 06/20/95

RATE OF FLOW AND ANNUAL VOLUME FOR COOLING USE

GIVEN:

|                             |   |               |
|-----------------------------|---|---------------|
| Source Temperature          | = | 60 degrees    |
| Area / 7 Story Mixed Uses   | = | 65000 sq. ft. |
| Temperature Outside         | = | 85 degrees    |
| Temperature Inside          | = | 70 degrees    |
| Building Efficiency         | = | 0.44          |
| Temperature Required        | = | 72 degrees    |
| Days temperature above 70   | = | 90 days       |
| Hours per day temp above 70 | = | 12 hours      |

CALCULATIONS:

|                           |   |                 |
|---------------------------|---|-----------------|
| Single Floor Cooling Load | = | (429,000)btu/hr |
| Two+ Floor Cooling Load   | = | (343,200)btu/hr |
| Temp. Drop Across System  | = | -3.6 degrees    |

FLOW RATE:

|                        |   |          |
|------------------------|---|----------|
| Single Floor Flow Rate | = | 238 gpm  |
|                        | = | 0.53 cfs |
| Two+ Floor Flow Rate   | = | 191 gpm  |
|                        | = | 0.42 cfs |

VOLUME:

|                            |   |         |
|----------------------------|---|---------|
| Single Floor Annual Volume | = | 47.4 af |
| Two+ Floor Annual Volume   | = | 37.9 af |

EFFICIENCY RATING INFORMATION \*\*

0.28 Best energy efficiency rating  
0.44 Good energy efficiency rating  
0.67 Average energy efficiency rating  
1.11 Poor energy efficiency rating

\*\* Source - Administrator's Memorandum dated 9/28/92

JUN 29 1995



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

October 19, 1994

CECIL D. ANDRUS  
GOVERNOR

R. KEITH HIGGINSON  
DIRECTOR

KEN HOWELL  
W E PIERCE BUILDING ASSOCIATES  
1020 MAIN ST SUITE 440  
BOISE ID 83702

RE: PERMIT NO. 63-10773

Dear Mr. Howell:

We are still in the process of reviewing the above referenced permit for licensing. I contacted you earlier this summer regarding the square footage of the building. The Beneficial Use Field Exam that was conducted on the building in November of 1992 provided information that still requires some additional clarification.

I understand that the cooling well provides coolant for a closed loop heat exchanger for the various offices and apartments in the building; however, we feel additional information is still necessary to accurately reflect the system needs. It would be really helpful if we had a schematic drawing of the system. If you are unable to provide us with one, we do need to know if each apartment and office has its own set of radiators or if it is a forced air system running off of the heat exchanging unit in the basement.

Thank you for your assistance and if you have any questions, do not hesitate to call our office.

Sincerely,

A handwritten signature in cursive script that reads "Brenda L. Chapman".

Brenda L. Chapman  
Water Resource Agent

RECORDED

JUN 29 1995

11-15-94

Ken Howell 345-3221  
65,000 sq' 50,000 net rentable

50 Apartments on top 4 floors  
@ 500 - 1168 sq' each.

1st and 2nd floor is offices

# LICENSE REVIEW CHECKLIST

Permit # 63-10773

Date 01-13-93

|               |             |            |                                                                                                          |
|---------------|-------------|------------|----------------------------------------------------------------------------------------------------------|
|               | <u>Yes</u>  | <u>No</u>  |                                                                                                          |
| NAME          | <u>   </u>  | <u>✓</u>   | Address Change? <u>                    </u>                                                              |
| PRIORITY DATE | <u>   </u>  | <u>✓</u>   | Advance? <u>                    </u>                                                                     |
|               | <u>   </u>  | <u>✓</u>   | Memo to Advance <u>                    </u>                                                              |
|               | <u>   </u>  | <u>✓</u>   | Order to Reinstate Needed? <u>                    </u>                                                   |
| TOTAL CFS     | <u>   </u>  | <u>✓</u>   | Incorrect Fee for rate recommended? <u>                    </u>                                          |
|               | <u>NA</u>   | <u>   </u> | Disagree with Actual Measurement? <u>                    </u>                                            |
|               | <u>   </u>  | <u>   </u> | <u>.37 cfs (COOL)</u>                                                                                    |
|               | <u>NA</u>   | <u>   </u> | Disagree with Theoretical? <u>10 x 8.5 x .7 = .476</u>                                                   |
|               | <u>   </u>  | <u>✓</u>   | Limited by Capacity? <u>.48 cfs 37' + (2.31 x 40)</u>                                                    |
| TOTAL VOLUME  |             |            | Rate/ac <u>   </u> AFA Irr. Season <u>   </u>                                                            |
|               |             |            | <u>                    </u> Standard Irr. Season <u>   </u>                                              |
|               |             |            | <u>                    </u> Season Recommended <u>   </u>                                                |
|               | <u>   </u>  | <u>✓</u>   | Disagree with Examiner's Calculations? <u>                    </u>                                       |
|               | <u>   </u>  | <u>✓</u>   | <u>.37 x 120 x 1.9835 = 88.06 ≈ 88.1 cfs (COOL)</u>                                                      |
|               | <u>   </u>  | <u>✓</u>   | Limited by Flow? <u>                    </u>                                                             |
| SOURCE        | <u>   </u>  | <u>✓</u>   | Changes? Clarification of <u>Originally</u>                                                              |
|               | <u>   </u>  | <u>✓</u>   | <u>Intended</u> source <u>                    </u>                                                       |
|               | <u>   </u>  | <u>✓</u>   | Notice of Intent to Void. <u>                    </u>                                                    |
| P/D           | <u>   </u>  | <u>✓</u>   | Verify with Map <u>                    </u>                                                              |
|               | <u>   </u>  | <u>✓</u>   | Amendment Needed? <u>                    </u>                                                            |
|               | <u>   </u>  | <u>✓</u>   | Is Overlap Analysis a Consideration? <u>                    </u>                                         |
| P/U           | <u>   </u>  | <u>✓</u>   | Verify with Map <u>                    </u>                                                              |
|               | <u>   </u>  | <u>✓</u>   | Amendment Needed? <u>                    </u>                                                            |
|               | <u>   </u>  | <u>✓</u>   | Is Overlap Analysis a Consideration? <u>                    </u>                                         |
| USES          | <u>   </u>  | <u>✓</u>   | Change(s) in Nature of Use? <u>                    </u>                                                  |
|               | <u>   </u>  | <u>✓</u>   | Amendment Needed? <u>                    </u>                                                            |
| REMARKS       | <u>   </u>  | <u>✓</u>   | Multiple P/Ds in 1/4 1/4? <u>                    </u>                                                    |
|               | <u>   </u>  | <u>✓</u>   | Non-Irr. Uses <u>                    </u>                                                                |
|               | <u>   </u>  | <u>✓</u>   | Special Overlap Condition <u>                    </u>                                                    |
|               | <u>*   </u> | <u>✓</u>   | Other <u>add use comment. (BC)</u>                                                                       |
| CONDITIONS    | <u>   </u>  | <u>✓</u>   | Measuring Device <u>                    </u> DATES/MISC <u>                    </u>                      |
|               | <u>   </u>  | <u>✓</u>   | W/Master Control <u>                    </u> <u>   </u> <u>✓</u> Water Dist. <u>                    </u> |
|               | <u>   </u>  | <u>✓</u>   | Overlap <u>                    </u> <u>   </u> <u>   </u> App Rec'd <u>                    </u>          |
|               | <u>   </u>  | <u>✓</u>   | Water Quality <u>                    </u> <u>   </u> <u>   </u> Exam Made <u>                    </u>    |

COMMENTS: Return Flow authorized by Injection Well permit (see file)

LICENSE ✓ AMEND     SPECIAL PARAGRAPH                     

09E

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

**RECEIVED**  
JAN 7 1993

**RECEIVED**

Department of Water Resources

**SEP 02 1994**

**A. GENERAL INFORMATION**  
Department of Water Resources

Permit No. 63-10773

1. Owner: W.E. PIERCE BLDG ASSOC

Phone No. 345-3221

Current Address: 1020 MAIN ST, STE 440, BOISE 83702

2. Accompanied by: JANOUS BREWINSKI

EXAM DATE: 11/4/92

Address: SAME

Phone No. 890-4778

Relationship to Permit Holder: MAINTENANCE MGR

3. Source: GROUNDWATER

tributary to \_\_\_\_\_

**B. OVERLAP REVIEW**

1. Other water rights with the same place of use: 63-02579, 63-03413

2. Other water rights with the same point of diversion: NONE

**C. DIVERSION AND DELIVERY SYSTEM**

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**SEP 2 - 1994**

Department of Water Resources

**1. 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  | 10   | 3N   | 2E   | ADA    | QUAD                            |
|           |           |     |     |     |      |      |      |        |                                 |
|           |           |     |     |     |      |      |      |        |                                 |
|           |           |     |     |     |      |      |      |        |                                 |

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

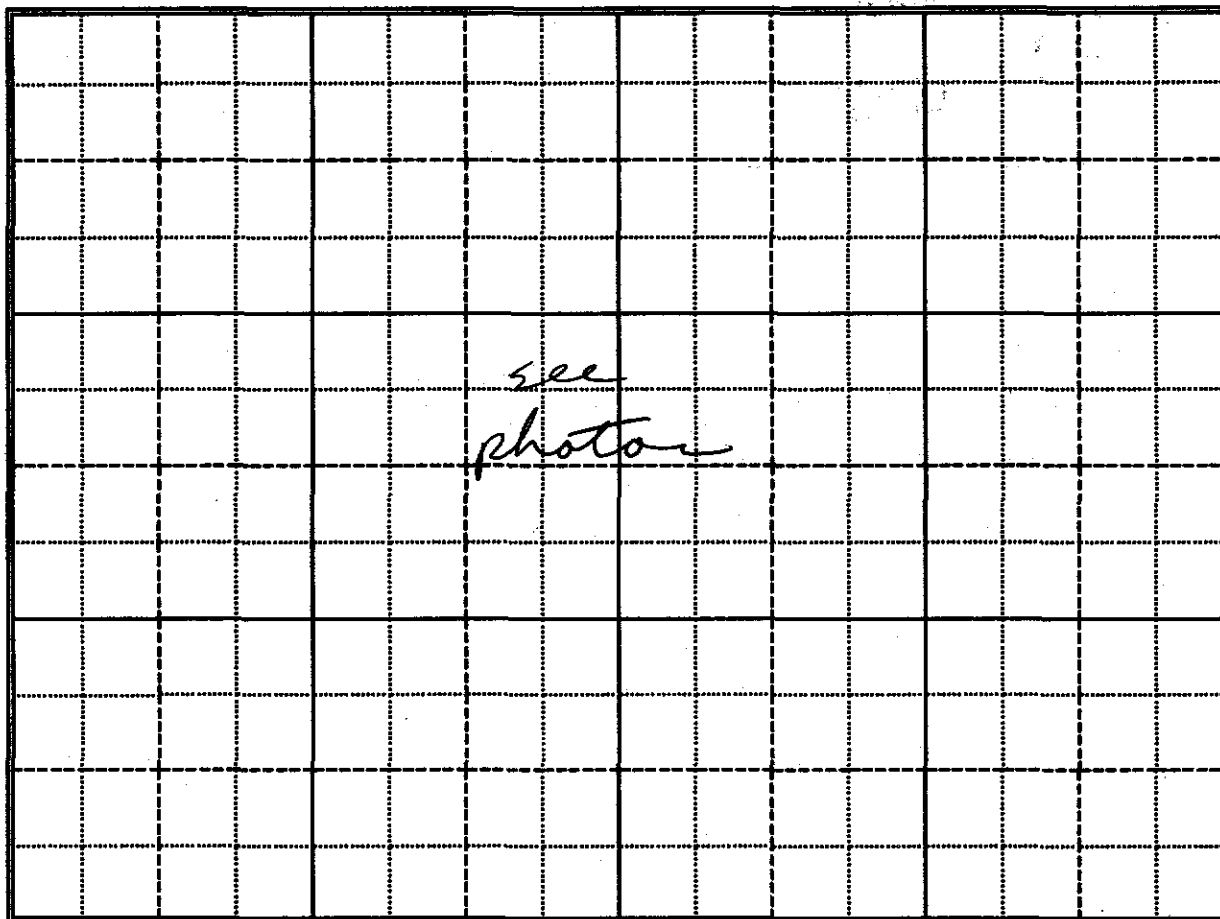
Indicate Method of Determination

| TWP | RGE | SEC | NE |    |    |    | NW |    |    |    | SW |    |    |    | SE |    |    |    | Totals |
|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------|
|     |     |     | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE |        |
| 3N  | 2E  | 10  |    | L  |    |    |    |    |    |    |    |    |    |    |    |    |    |    | —      |
|     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |
|     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |
|     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |
|     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |
|     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |
|     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |
|     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |        |

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3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe I.d. as applicable.



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

\_\_\_\_ Copy of USGS 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)

\_\_\_\_ Photo of Diversion and System Attached

4.

| Well or Diversion Identification No.* | Motor Make | Hp | Motor Serial No. | Pump Make   | Pump Serial No. or Discharge Size |
|---------------------------------------|------------|----|------------------|-------------|-----------------------------------|
|                                       |            | 10 |                  | SUBMERSIBLE | 6"                                |
|                                       |            |    |                  |             |                                   |
|                                       |            |    |                  |             |                                   |

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

#### D. FLOW MEASUREMENTS

1.

| Measurement Equipment | Type | Make | Model No. | Serial No. | Size | Calib. Date |
|-----------------------|------|------|-----------|------------|------|-------------|
|                       |      |      |           |            |      |             |
|                       |      |      |           |            |      |             |

2. Measurements:

Used "Rate of Flow for Heating" Memo #23, using 90° as an average summer temp.  $t_i = 70^\circ$  } per mgr (KEN HOWELL)  $t_o = 62^\circ$  per well log 6/9/1 = 120 days est for cooling

JUN 29 1995

E. NARRATIVE/REMARKS/COMMENTS

Cooling water is delivered to the system via 6" well equipped with a 10 HP submersible pump located in Bldg's underground parking lot. Water enters the building and is passed through a closed loop heat exchanger. The water is used for cooling in the bldg, especially during warm weather. The water is then discharged into an on site injection well. The Idaho building consists of 64 apartments and 20 offices.

Boise City geothermal water (3-09138 + -09139) is used for heating the building. No other rights are used.

It was difficult to get specifics on the system for a accurate diagram since Mr. Brewinski spoke very little English.

Have conditions of permit approval been met? ☐ yes ☐ no

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# F. FLOW CALCULATIONS MEMO 23

Additional Computation Sheets Attached

Measured Method:

$$1. E = .67 [90^\circ - 70^\circ] 60,000 \text{ ft}^2 = 804,000 \text{ BTU/hr}$$

$$2. \Delta t_s = .3 (60 - 70) = 3^\circ$$

$$3. W = \frac{804,000}{500(3^\circ)} = 536 \text{ GPM}$$

$$536 \text{ GPM} / 448.8 = 1.19 \text{ cfs}$$

(allow .37 per permit)

Theo:  $\frac{10 \text{ HP} \times 8.8 \times .7}{37' + 40' \times 2.31} = .48 \text{ cfs}$

well log ent

## G. VOLUME CALCULATIONS

### 1. Volume Calculations for Irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \underline{\hspace{2cm}}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = \underline{\hspace{2cm}}$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{D.R.} = \underline{\hspace{2cm}}$$

### 2. Volume Calculations for Other Uses:

$$\text{POTENTIAL} - .37 \text{ cfs} \times 365 \times 1.9835 = 267.9 \text{ AFA}$$

$$\text{REQUIRED} - .37 \text{ cfs} \times 60 \frac{\text{sec}}{\text{min}} \times 60 \frac{\text{min}}{\text{hr}} \times \frac{24 \text{ hr}}{\text{day}} \times \frac{120 \text{ days}}{\text{yr}} \div 43560 \frac{\text{ft}^2}{\text{AFA}} = \underline{\underline{88.1 \text{ AFA}}}$$

## H. RECOMMENDATIONS

### 1. Recommended Amounts

| Beneficial Use | Period of Use |       | Rate of Diversion<br>Q (cfs) | Annual Volume<br>V (afa) |
|----------------|---------------|-------|------------------------------|--------------------------|
|                | From          | To    |                              |                          |
| COOLING        | 1/1           | 12/31 | .37                          | 88.1                     |
|                |               |       |                              |                          |
|                |               |       |                              |                          |
|                |               |       |                              |                          |
|                |               |       |                              |                          |
|                |               |       |                              |                          |
| Totals:        |               |       | .37 cfs                      | 88.1 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

## I. AUTHENTICATION

Field Examiner's Name Loi Ganner Date           

Reviewer            Date           

SEAL

**INCREASING**

JUN 29 1995



PERMIT 63-0773 INIT M  
T. R. S. Q10  
P/D 3N 2E 10  
SCALE  
PHOTO ID. X-59  
JUN 29 1955

Department of Water Resources

WELL INSPECTION FORM

63-89-z-224

If well is associated with water right, provide WR# 63-10773

Otherwise provide legal description and a sketch map and/or address so that the well can be located easily.

1. Legal Description: TWP 3N, Rge 2e, Sec. 10, NW 1/4 NE 1/4 or Lot \_\_\_\_\_.

2. Owner: W.E. PIERCE BLDG ASSOC  
Address 1020 MAIN ST. STE 440, city BOISE, st 83702

3. Casing  $\geq$  12 inches above ground: Yes \_\_\_\_\_ No ☒

4. Access Port: Yes ☒ No \_\_\_\_\_ Static Water Level: 27'  
Pressure Gauge: Yes ☒ No \_\_\_\_\_ Casing Diameter: 8  
Flowing: Yes \_\_\_\_\_ No ☒ Temperature: 60°

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: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

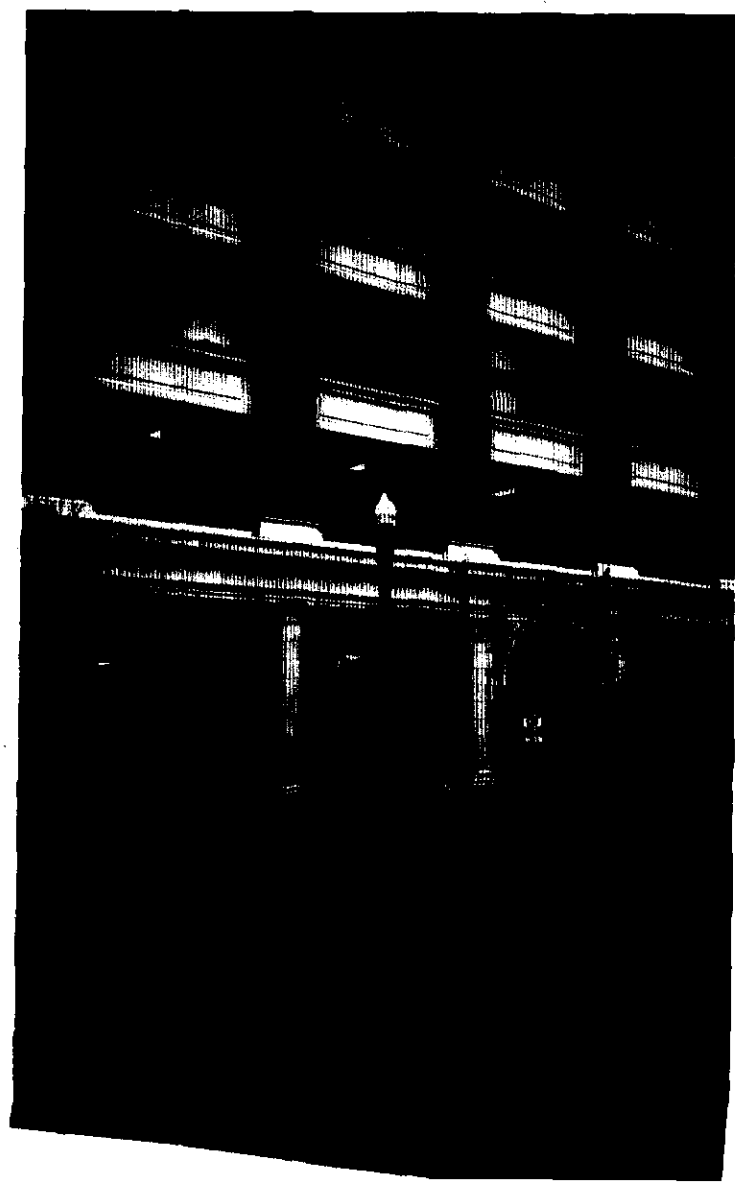
RECEIVED  
MAY 11 1995



CLOSED LOOP  
HEAT EXCHANGE  
UNIT

SUBMERSIBLE  
DIRECTLY BEHIND  
WALL UNDER  
PARKING LOT

P/u - IDAHO BLDG  
280 N 8th



RECORDED

JUN 29 1995

November 23, 1990

W.E. PIERCE BUILDING ASSOC.  
1020 MAIN ST.  
SUITE 440  
BOISE, ID 83702

PROOF ACKNOWLEDGMENT LETTER

RE: PERMIT NO. 63-10773

Dear Permit Holder:

The department acknowledges receipt of the proof of beneficial use form submitted for the above referenced permit. 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

**MICROFILMED**

DEC 11 1990

## WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources  
within 30 days after the completion or abandonment of the well.

## 1. WELL OWNER

Name John Swartz  
Address 1020 Main St. Suite 440 Boise 83702  
Owner's Permit No. 63-89-2-224 63-10773?

## 2. NATURE OF WORK

- ☒ New well ☐ Deepened ☐ Replacement  
☐ Well diameter increase  
☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

## 3. PROPOSED USE

- ☐ Domestic ☐ Irrigation ☐ Test ☒ Municipal  
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection  
☒ Other cooling well (specify type)

## 4. METHOD DRILLED

- ☒ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary  
☐ Cable ☐ Dug ☐ Other

## 5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other

| Thickness         | Diameter        | From          | To             |
|-------------------|-----------------|---------------|----------------|
| <u>250</u> inches | <u>8</u> inches | <u>1</u> feet | <u>50</u> feet |
| _____ inches      | _____ inches    | _____ feet    | _____ feet     |
| _____ inches      | _____ inches    | _____ feet    | _____ feet     |
| _____ inches      | _____ inches    | _____ feet    | _____ feet     |

Was casing drive shoe used? ☒ Yes ☐ No  
Was a packer or seal used? ☒ Yes ☐ No  
Perforated? ☐ Yes ☐ No

How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun

Size of perforation \_\_\_\_\_ inches by \_\_\_\_\_ inches

| Number             | From       | To         |
|--------------------|------------|------------|
| _____ perforations | _____ feet | _____ feet |
| _____ perforations | _____ feet | _____ feet |
| _____ perforations | _____ feet | _____ feet |

Well screen installed? ☒ Yes ☐ NoManufacturer's name JohnsonType Telescope Model No. \_\_\_\_\_Diameter 6 3/4" Slot size 35 Set from 50 feet to 60 feet

Diameter \_\_\_\_\_ Slot size \_\_\_\_\_ Set from \_\_\_\_\_ feet to \_\_\_\_\_ feet

Gravel packed? ☐ Yes ☒ No ☐ Size of gravel \_\_\_\_\_

Placed from \_\_\_\_\_ feet to \_\_\_\_\_ feet

Surface seal depth 18' Material used in seal: ☐ Cement grout☒ Bentonite ☐ Puddling clay ☐ \_\_\_\_\_Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing☒ Overbore to seal depthMethod of joining casing: ☐ Threaded ☒ Welded ☐ Solvent

Weld

☐ Cemented between strataDescribe access port Sanitary Well Cap

## 7. WATER LEVEL

Static water level 27' feet below land surface.Flowing? ☐ Yes ☒ No G.P.M. flow \_\_\_\_\_

Artesian closed-in pressure \_\_\_\_\_ p.s.i.

Controlled by: ☐ Valve ☐ Cap ☐ PlugTemperature 60 °F. Quality 10 grains

Describe artesian or temperature zones below.

## 8. WELL TEST DATA

☐ Pump ☐ Bailer ☒ Air ☐ Other

| Discharge G.P.M. | Pumping Level | Hours Pumped |
|------------------|---------------|--------------|
| <u>185</u>       | <u>58</u>     | <u>12</u>    |
| _____            | _____         | _____        |
| _____            | _____         | _____        |

## 9. LITHOLOGIC LOG

| Bore<br>Diam. | Depth |    | Material          | Water |    |
|---------------|-------|----|-------------------|-------|----|
|               | From  | To |                   | Yes   | No |
| 12            | 0     | 2  | Top soil          |       | X  |
| 12            | 2     | 10 | sand & clay       |       | X  |
| 12            | 10    | 18 | gravel (cemented) |       | X  |
| 8             | 18    | 40 | gravel & boulders |       | X  |
| 8             | 40    | 60 | gravel & boulders | X     |    |

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APR 6 1990

Department of Water Resources

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03 1990Department of Water Resources  
Western Regional OfficeRECEIVED  
AUG 23 1990

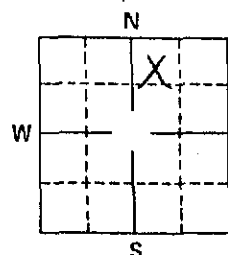
Department of Water Resources

## 10.

Work started 1-17-90 finished 1-23-90

## 6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name \_\_\_\_\_

Lot No. \_\_\_\_\_ Block No. \_\_\_\_\_

County Ada

NW 1/4 NE 1/4 Sec. 10 T. 3 N. W. 2 E. W. 1

## DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were  
complied with at the time the rig was removed.Firm Name Can-Ada Well Firm No. 3044250 Murphy Rd.Address Kuna, Id. 83634 Date 4/3/90Signed by (Firm Official) Earl Skinner

and

(Operator) Paul H. S.

|                                               |                                 |                       |               |                  |                 |        |        |          |
|-----------------------------------------------|---------------------------------|-----------------------|---------------|------------------|-----------------|--------|--------|----------|
| P<br>H<br>O<br>N<br>E<br><br>M<br>E<br>M<br>O | TO                              | Rob                   |               | DATE             | 8-21            | TIME   | 12:00  | AM<br>PM |
|                                               | FROM                            | Nina                  |               | AREA CODE        |                 |        |        |          |
|                                               | OF                              | 50                    |               | NO.              | 7953            |        |        |          |
|                                               | M<br>E<br>S<br>S<br>A<br>G<br>E | 63-10700              |               | EXT.             |                 |        |        |          |
|                                               |                                 | W.E. Pierce Bldg Asn. |               |                  |                 |        |        |          |
|                                               | NW NE S.10 3N 2E                |                       | SIGNATURE     |                  |                 |        |        |          |
|                                               | Skinner Jan 1990                |                       |               |                  |                 |        |        |          |
| PHONED                                        |                                 | CALL BACK             | RETURNED CALL | WANTS TO SEE YOU | WILL CALL AGAIN | WAS IN | URGENT |          |

State of Idaho  
Department of Water Resources

DRILLING PERMIT

(Authorizing Construction of a Well)\*

RECEIVED  
MAR 8 1989

Department of Water Resources  
Western Regional Office

1. Applicant W.E. Pierce Building Associates

2. Address 1020 Main Street, Suite 440

Boise, Idaho 83702 Telephone 345-3221

(x) Well Owner ( ) Well Operator ( ) Other, specify \_\_\_\_\_

3. Proposed well location NW 1/4 NE 1/4, or Gov't lot No. 9,

Sec. 10, Twp. 3N, Rge. 2E, County Ada,

Lot, block and subdivision Lot 9, Block 43

4. Proposed use of well: (Check all that apply)

( ) Domestic ( ) Stockwater ( ) Monitoring

( ) Irrigation ( ) Industrial ( ) Municipal

( ) Injection (x) Other, Specify cooling well

5. Well construction information:

(x) New well ( ) Deepen ( ) Replace

Proposed surface diameter 8" ± Maximum depth 150' ±

Anticipated bottom hole temperature: \_\_\_\_\_

(x) 85°F or less (Cold water well)

( ) 85°F to 212°F (Low temp. geothermal well)

( ) 212°F or more (Geothermal well)

6. Anticipated construction start date June 1, 1989

7. Well Driller (if known) Earl Henson

Address \_\_\_\_\_

8. Applicant's signature Paul H. Howell

Title President, Central Housing, Inc., GP W.E. Pierce Bldg Assoc.

Date 3/6/89

\* After other pre-requisite approvals have been obtained.

\* Fee is \$10 for single family domestic. Other uses may be \$100, \$50 or \$10.

.37 cts

DEC 11 1990

MICROFILMED

## ACTION OF IDWR

☒ Approved      ( ) Denied

The approval of this permit authorizes the construction of a well as described on this application subject to the conditions on this permit.

## GENERAL CONDITIONS:

1. The well must be constructed in compliance with the applicable statutes, specific conditions of approval shown on the water right permit, injection well permit, transfer or amendment and the rules and regulations of the Department for water appropriation, injection wells and well construction standards.
2. This drilling permit is valid for two (2) months from its date of issuance for the start of construction and is valid for one (1) year from the date of issuance for completion of the well unless an extension has been granted.
3. This permit does not constitute the approval of the District Health Department or the Idaho Department of Health and Welfare which may be required before construction of this well.
4. The well shall be constructed by a driller currently licensed in the State of Idaho who must maintain a copy of the drilling permit at the drilling site.
5. Issuance of this drilling permit does not authorize trespass on the land of another party.
6. This permit does not constitute other local, county, state or federal approvals which may be required for construction of a well.
7. This drilling permit does not represent a right to divert and use the water of the State of Idaho.

## SPECIFIC CONDITIONS:

8. If a bottom hole temperature of 85°F or greater is encountered, well construction shall cease and the well driller and the well owner shall contact the Department immediately.

Dated this 15 day of November, 1989.

Signed

[Signature]

Title

Groundwater Protection Section

Received by Wt Fee 100<sup>00</sup> Date 11-15-89

Receipt No. 0012865 Construction start extension to

Extension approved by

**RECORDED**

**NOV 17 1989**

138823  
May 31, 1990

W.E. PIERCE BUILDING ASSOC.  
1020 MAIN ST.  
SUITE 440  
BOISE, ID 83702

PROOF DUE NOTICE

RE: PERMIT NO. 63-10773

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 August 1, 1990. (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

MICROFILMED  
DEC 11 1990

State of Idaho  
Department of Water Resources

DRILLING PERMIT

MAR 10 1989

(Authorizing Construction of a Well)\*

Department of Water Resources

1. Applicant W.E. Pierce Building Associates

Department of Water Resources  
Western Regional Office

2. Address 1020 Main Street, Suite 440

Boise, Idaho 83702

Telephone 345-3221

(X) Well Owner ( ) Well Operator ( ) Other, specify \_\_\_\_\_

3. Proposed well location NW 1/4 NE 1/4, or Gov't lot No. 9,

Sec. 10, Twp. 3N, Rge. 2E, County Ada,

Lot, block and subdivision Lot 9, Block 43

4. Proposed use of well: (Check all that apply)

( ) Domestic ( ) Stockwater ( ) Monitoring

( ) Irrigation ( ) Industrial ( ) Municipal

(X) Injection (X) Other, Specify for cooling water return

5. Well construction information:

(X) New well ( ) Deepen ( ) Replace

Proposed surface diameter 8"± Maximum depth 150'±

Anticipated bottom hole temperature:

(X) 85°F or less (Cold water well)

( ) 85°F to 212°F (Low temp. geothermal well)

( ) 212°F or more (Geothermal well)

6. Anticipated construction start date June 1, 1989

7. Well Driller (if known) \_\_\_\_\_

Address \_\_\_\_\_

8. Applicant's signature Patricia G. Howell

Title General Partner

Date 3/6/89

AUG 29 1989

\* After other pre-requisite approvals have been obtained.

\* Fee is \$10 for single family domestic. Other uses may be \$100, \$50 or \$10.

*This is a separate well than one in  
water right application 63-10773. The water  
right application is for .37 cfs, this injection well is  
assumed to be in >.04 cfs category, fee \$100.*

SL 3/9/89

ACTION OF IDWR

(X) Approved ( ) Denied

The approval of this permit authorizes the construction of a well as described on this application subject to the conditions on this permit.

GENERAL CONDITIONS:

1. The well must be constructed in compliance with the applicable statutes, specific conditions of approval shown on the water right permit, injection well permit, transfer or amendment and the rules and regulations of the Department for water appropriation, injection wells and well construction standards.
2. This drilling permit is valid for two (2) months from its date of issuance for the start of construction and is valid for one (1) year from the date of issuance for completion of the well unless an extension has been granted.
3. This permit does not constitute the approval of the District Health Department or the Idaho Department of Health and Welfare which may be required before construction of this well.
4. The well shall be constructed by a driller currently licensed in the State of Idaho who must maintain a copy of the drilling permit at the drilling site.
5. Issuance of this drilling permit does not authorize trespass on the land of another party.
6. This permit does not constitute other local, county, state or federal approvals which may be required for construction of a well.
7. This drilling permit does not represent a right to divert and use the water of the State of Idaho.

SPECIFIC CONDITIONS:

8. The point of diversion identified in this permit is located within the boundaries of the Boise Front Low Temperature Geothermal Resource Ground Water Management Area. If water with a temperature greater than 85°F is encountered by the driller, the Department must be immediately notified and drilling must immediately cease pending a review of drilling conditions by the Department.
  9. Drilling fluid return temperatures shall be monitored each 20 feet during drilling, and a report shall be prepared of this data. This report plus a determination of the static temperature gradient within the well shall be submitted to the Department when the well is completed or when 85°F water is encountered, whichever is first.
  10. The owner shall identify the driller to the Dept. of Water Resources before drilling starts.
- Dated this 3 day of May, 1989.

Signed Billy D. Flemer  
Title Chief, Resource Protection Bureau

Received by K. Young Fee 100<sup>00</sup> Date 5-2-89 **UNRECORDED**  
Receipt No. \_\_\_\_\_ Construction start extension to AUG 29 1989  
Extension approved by \_\_\_\_\_

STATE OF IDAHO  
DEPARTMENT OF WATER RESOURCES

APPLICATION FOR PERMIT TO  
TO CONSTRUCT ☒ MAINTAIN ☐  
AN INJECTION WELL

Department of Water Resources  
Water Resources Division

Under the Provisions of Title 42, Chapter 39 of the Idaho Code

I. GENERAL INFORMATION FOR ALL INJECTION WELLS

1. Facility Name and Location

Name W.E. Pierce Building Associates  
Street Address 216 North 8th Street (Corner of 8th & Bannock Streets)  
City Boise State Idaho Zip 83701

2. Name and Address of Legal Contact (owner, where owner is operator, or operator)

Name Ken Howell ☒ Owner ☐ Operator  
Street Address 1020 Main Street, Suite 440  
City Boise State Idaho Zip 83702  
Phone No. (include area code) 208-345-3221

3A. Location of Well

1/4 of NW 1/4 of NE 1/4, Section 10, Township 3N N/S,  
Range 2E E/W, B.M., Ada County  
Subdivision Name                     , Block 43, Lot 9

3B. Is facility located on Indian lands: Yes ☐ No ☒

4A. Injection Well Classification (check one)

1. ☐ Well depth is less than or equal to 18 feet below land surface (shallow injection well).  
2. ☒ Well depth is greater than 18 feet below land surface (deep injection well).

4B. Deep Injection Well Classification (check all items which apply)

1. ☐ Well injects or will inject hazardous wastes or radioactive wastes (Class IV well).  
2. ☐ Well injects nonhazardous and nonradioactive fluids into or above drinking water source (Class V(a) well).  
3. ☐ Well injects nonhazardous and nonradioactive fluids below all current or future drinking water sources (Class V(b) well).  
4. ☒ Well returns groundwater to the subsurface after water has passed through a closed-loop heat exchange unit (Class V(c) well).

AUG 20 1989

## Proposed dimensions

Well Bore: Diameter 8" Inches; Depth 150'± Feet

Perforation depth: from \_\_\_\_\_ to \_\_\_\_\_ Feet

Well log available: Yes ☐ No ☐ (attach)

Date constructed \_\_\_\_\_

Driller's name and address \_\_\_\_\_

Note: Copy of well logs must accompany notices of completion of construction for all new wells.

1B. Description of injection well, if dug

| Surface dimensions | Feet, by | Feet, or Diameter | Inches |
|--------------------|----------|-------------------|--------|
|--------------------|----------|-------------------|--------|

Depth \_\_\_\_\_ Feet Filler material, if any \_\_\_\_\_

Date constructed \_\_\_\_\_

Name and address of contactor \_\_\_\_\_

2. Distance to nearest domestic well 1,000 feet miles

Direction from disposal well northeast (State capitol area)

Depth to groundwater 30 Feet

3. Frequency of Discharge: Continuous ☒\* Seasonal ☐ Intermittent ☐

4. Maximum Average Weekly Rate of Injection 125 GPM Maximum Capacity 185 GPM

5A. Type of Discharge:

1. ☐ Irrigation Return Flows and/or Surface Runoff Water      2. ☐ Industrial Wastes  
3. ☐ Domestic Wastes (sewage)      4. ☐ Street Runoff  
5. ☒ Other (specify) Ground water return from heat exchanger loop

5B. Are hazardous wastes, as defined in 40 CFR, Part 261, present in the injected fluids:

Yes ☐ No ☒

NOTE: Irrigation return flows are excluded from this designation.

If yes, include RCRA numbers for constituents identified as hazardous (see 40 CFR, Part 261 of the Federal Register):

5C. Irrigation return flows/surface runoff water

Method of irrigation: Gravity ☐ Sprinkler ☐

Use of lands in drainage area: N/A

\*Maximum seasonal output may approach 165 GPM only during peak cooling periods during the daylight hours. System will be operational year around, but demand during fall and winter months shall be minimal. The system shall cool a 7 level (including basement) multi-use building consisting of retail, office, and residential units. Ken Howell is the general partner of W.E. Pierce Building Associates and is responsible to manage the project.

III. ACTION OF THE DEPARTMENT OF WATER RESOURCES

I have examined Application No. 63-W-33  
and said application is hereby Approved subject  
to the attached conditions.

Witness my hand this 3rd day of May, 19 89.

Lt. Col. A. Reed  
Official, Idaho Department of Water Resources

Manager - Groundwater Protection Section  
Title

FOR DEPARTMENT USE ONLY

Received by ml Date 3-8-89 Checked by \_\_\_\_\_ Fees \$50  
Receipted by SL Date 3/9/89 Receipt No. W002367  
Notice of completion of construction received by \_\_\_\_\_ Date \_\_\_\_\_  
Field inspection completed by \_\_\_\_\_ Date \_\_\_\_\_  
Permission to operate granted by \_\_\_\_\_ Date \_\_\_\_\_  
Notice of abandonment received by \_\_\_\_\_ Date \_\_\_\_\_  
Abandonment completed \_\_\_\_\_ Inspected by \_\_\_\_\_ Date \_\_\_\_\_

Check Rec'd  
with appl on  
3/8/89  
SL

RECEIVED

MAR 10 1989

STANDARD ATTACHMENT I WAS INCLUDED AS PART OF THIS PERMIT  
OR DRAFT PERMIT.

**MICROFILMED**

AUG 29 1989

STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES

HEAT PUMP WELLS

ATTACHMENT II: SPECIAL CONDITIONS AND REQUIREMENTS PERTAINING  
TO CONSTRUCTING, MODIFYING, OPERATING AND/OR  
ABANDONING AN INJECTION WELL.

63-W-33

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1. Rules and Regulations for Construction and Use of Injection Wells shall be followed. Violation of the effluent quality standards stated in Rule 8.5 is adequate cause for cancellation of the permit.
2. The well must be constructed by a licensed Idaho water well driller in conformance with the Idaho Minimum Well Construction Standards. The driller shall provide an adequate seal through the use of bentonite, puddling clay, or cement grout such that surface water will not migrate down the outside of the casing.
3. Use of the well shall not be authorized until a Well Driller's Report is submitted to the Department by the driller.
4. The permit holder shall notify this office when the well is completed, so that the finished disposal facilities can be inspected. No disposal to the well may take place prior to this notification.
5. Discharge into the well shall be restricted to the heat pump water and maximum discharge shall not exceed 185 gpm. Adequate control must be exercised to prevent the injection of geothermal water.
6. A closed system shall be maintained to prevent contamination of the discharge. A protected air vent may be installed if needed.
7. Should the use of the well lead to degradation of the quality of the groundwater, this permit may be cancelled.
8. This permit shall expire on March 8, 1999. If use of the well is desired beyond this date, a new application must be filled at that time.

*Michael J. [Signature]*

AUG 29 1989

Statehouse  
Boise, Idaho 83720  
(208) 334-7900  
July 19, 1989

AUG 29 1989

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

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405 7 2 1977

STATE OF IDAHO  
DEPARTMENT OF WATER RESOURCES  
Western Region  
2735 AIRPORT WAY

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Boise, Idaho 83705  
(208) 334-2190

MARCH 29, 1989

The Idaho Statesman  
P.O. Box 40  
Boise, ID 83707

Dear Legal Dept.:

Enclosed you will find a legal notice which we wish to have published on the dates indicated (once a week for two consecutive weekly issues) in your newspaper. If you cannot publish the notice on the proposed dates, please contact us immediately.

An affidavit of publication must be submitted to the Department along with the publication bill. Your cooperation is appreciated.

Please send the affidavit of publication and publication billing to this office before APRIL 24, 1989.

Yours truly,

JUDY PENSE  
Secretary

Encl.

**MICROFILMED**

AUG 29 1989

# The Idaho Statesman

P.O. BOX 40, BOISE, IDAHO 83707

## LEGAL ADVERTISING INVOICE

Amount Due

63.48

|                                                                   |             |                                  |                                  |                       |
|-------------------------------------------------------------------|-------------|----------------------------------|----------------------------------|-----------------------|
| Account Name<br>Idaho Department Water Resources - Western Region |             |                                  | Account Number<br>#47628         |                       |
| Address<br>2735 Airport Way                                       |             | City/State<br>Boise, ID          |                                  | Zip<br>83705          |
| Ordered By<br>Judy Pense                                          | P.O. Number | Rate<br>NT                       | Run Dates<br>1989<br>April 6, 13 |                       |
| Identification<br>Application for Water Right:                    |             | 63-10773<br>63-10775<br>63-10777 | Estimated Inches                 | Real Inches           |
| <div> <div>1</div> Number of Affidavits Requested </div>          |             |                                  |                                  | Legal Number<br>#2272 |

### NOTICE OF APPLICATION FOR WATER RIGHT

The following application(s) have been filed to appropriate the public waters of the State of Idaho:

63-10773 ✓  
W.E. Pierce Building Assn.  
1020 Main St. #440  
Boise, ID 83702  
Source: Groundwater  
Diversiion Pt: NWNE Sec 10 T  
03N R 02E  
Use: Cooling (.370 CFS)  
Date Filed: 3/08/1989  
In: T03N R02E S10 NWNE

63-10775  
Helmick, Albert F.  
P.O. Box 445  
Emmett, ID 83617  
Source: Groundwater  
Diversiion Pt: NWNE Sec 3 T  
05N R 01W  
Use: Irrigation (.100 CFS)  
Use: Stockwater (.090 CFS)  
Date Filed: 3/01/1989  
In: T05N R01W S03 NWNE  
SWNE NENW SWNW  
5.0 ACRES TOTAL

63-10777  
Schaefer, Todd  
1515 Grant  
Boise, ID 83706  
Source: Groundwater  
Diversiion Pt: NWNE Sec 29 T  
04N R 02E

Use: Irrigation (.100 CFS)  
Use: Domestic (.110 CFS)  
Date Filed: 3/07/1989  
In: T04N R02E S29 NWNE  
5.0 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 24, 1989.

R. KEITH HIGGINSON  
Director

Pub. Apr. 6, 13, 1989

2272

STATE OF IDAHO )  
 ) ss.  
COUNTY OF ADA )

RECEIVED  
APR 11 1989

Department of Water Resources  
Western Regional Office

Debbie Richards, being duly sworn, deposes and says: That she is the Principal Clerk of The Idaho Statesman, a daily newspaper printed and published at Boise, Ada County, State of Idaho, and having a general circulation therein and which said newspaper has been continuously and uninterruptedly published in said County during a period of twelve consecutive months prior to the first publication of the notice, a copy of which is attached hereto; that said notice was published in The Idaho Statesman in conformity with Section 60-108, Idaho Code as amended, for 2 ☒ consecutive weekly ☐ consecutive daily ☐ single ☐ odd skip insertion(s) beginning with the issue of April 6, 19 89 and ending with the issue of April 13, 19 89

Debbie Richards

Subscribed and sworn to before me this 13th

day of

APR

MICROFILMED

89

AUG 29 1989

Notary Public for Idaho, Residing at Boise, Idaho

63-10773

W.E. PIERCE BUILDING ASSN.  
1020 MAIN ST. #440  
BOISE, ID 83702

Source: GROUNDWATER

Diversion Pt:                NWNE        Sec 10 T 03N R 02E

Use: COOLING                                (.370 CFS)

Date Filed: 3/08/1989

In: T03N R02E S10                        NWNE

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AUG 29 1989