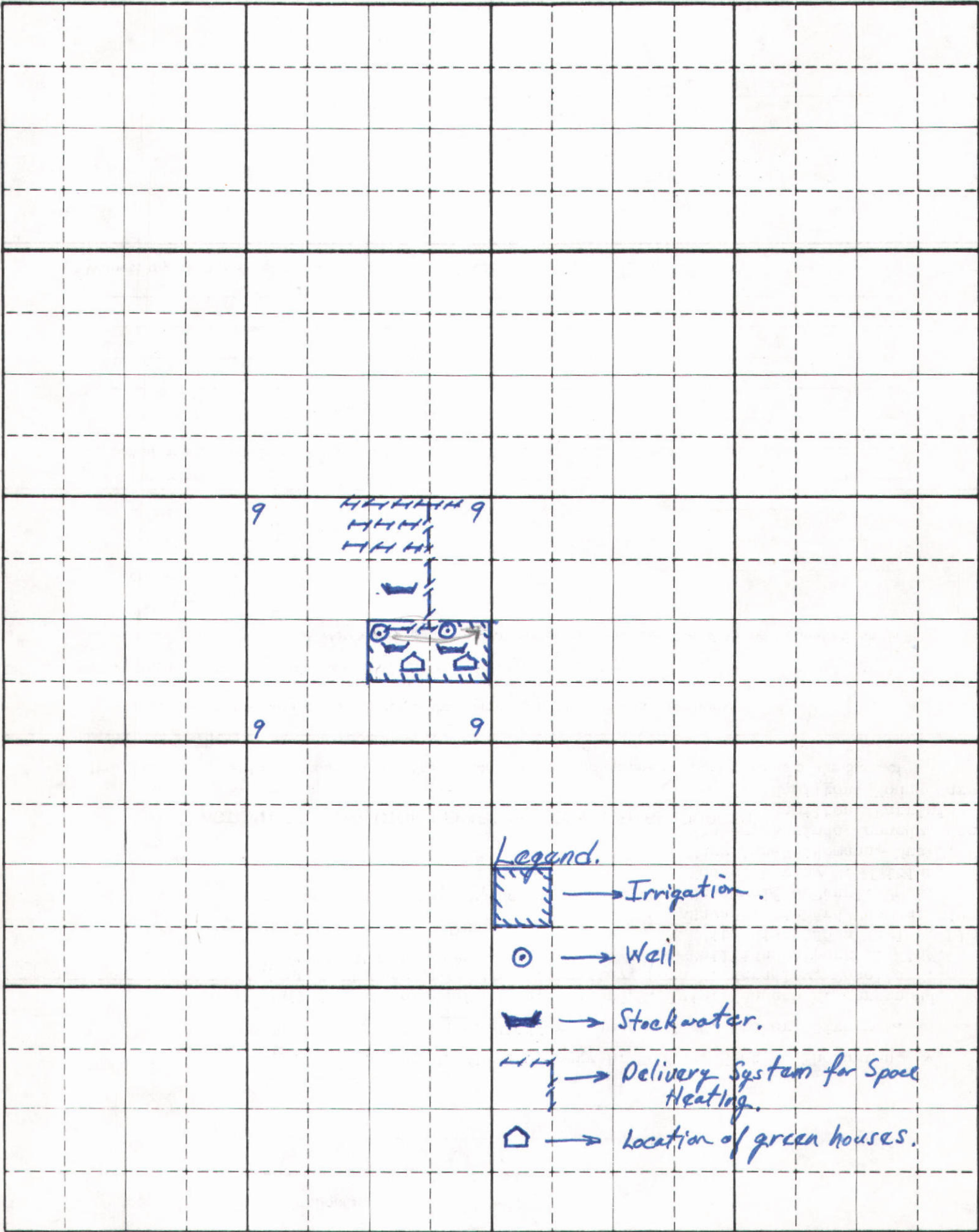


11. Map of proposed project: show clearly the proposed point of diversion, place of use, section number, township and range number.



Scale: 2 inches equal 1 mile

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.

Janet Richardson
(Applicant)

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED
JUL 03 1991

A. GENERAL INFORMATION

Permit No. 34-7219
Department of Water Resources
Phone No. 522-5742
1. Owner: Janet Richardson
Current Address: 58 N 3167 E Bear Island Drive, IF 83402
2. Accompanied by: Janet Richardson EXAM. DATE: 7/5/90
Address: R.T. 1 Box 149A Arco, Id 83213 Phone No. 827-8539
Relationship to Permit Holder: Permit holder
3. Source: Groundwater tributary to _____

B. OVERLAP REVIEW

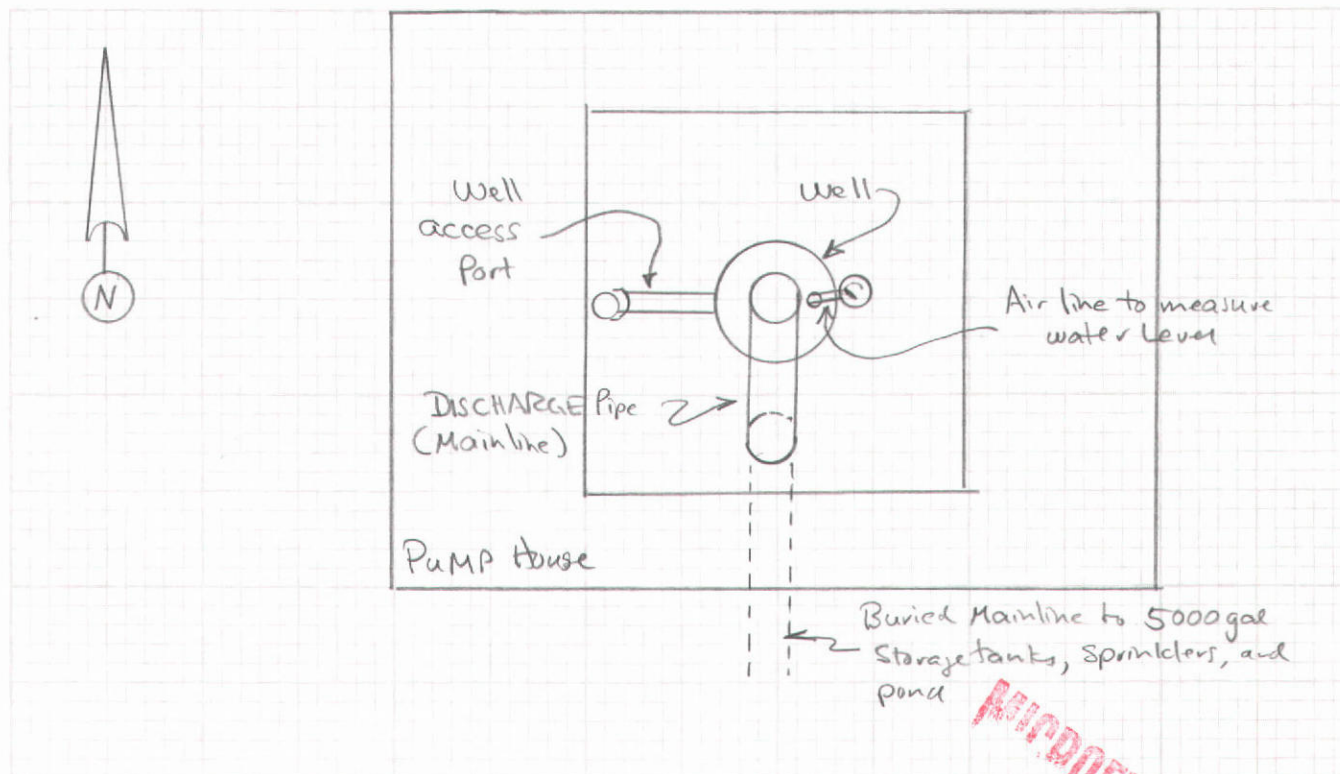
1. Other water rights with same place of use: 34-2491 (Big Lost River) 34-7111 Big Lost River

☐ Copies Attached
2. Other water rights with same point of diversion: NONE

☐ Copies Attached ☐ Copies of Field Exam's Attached

C. SYSTEM DESCRIPTION

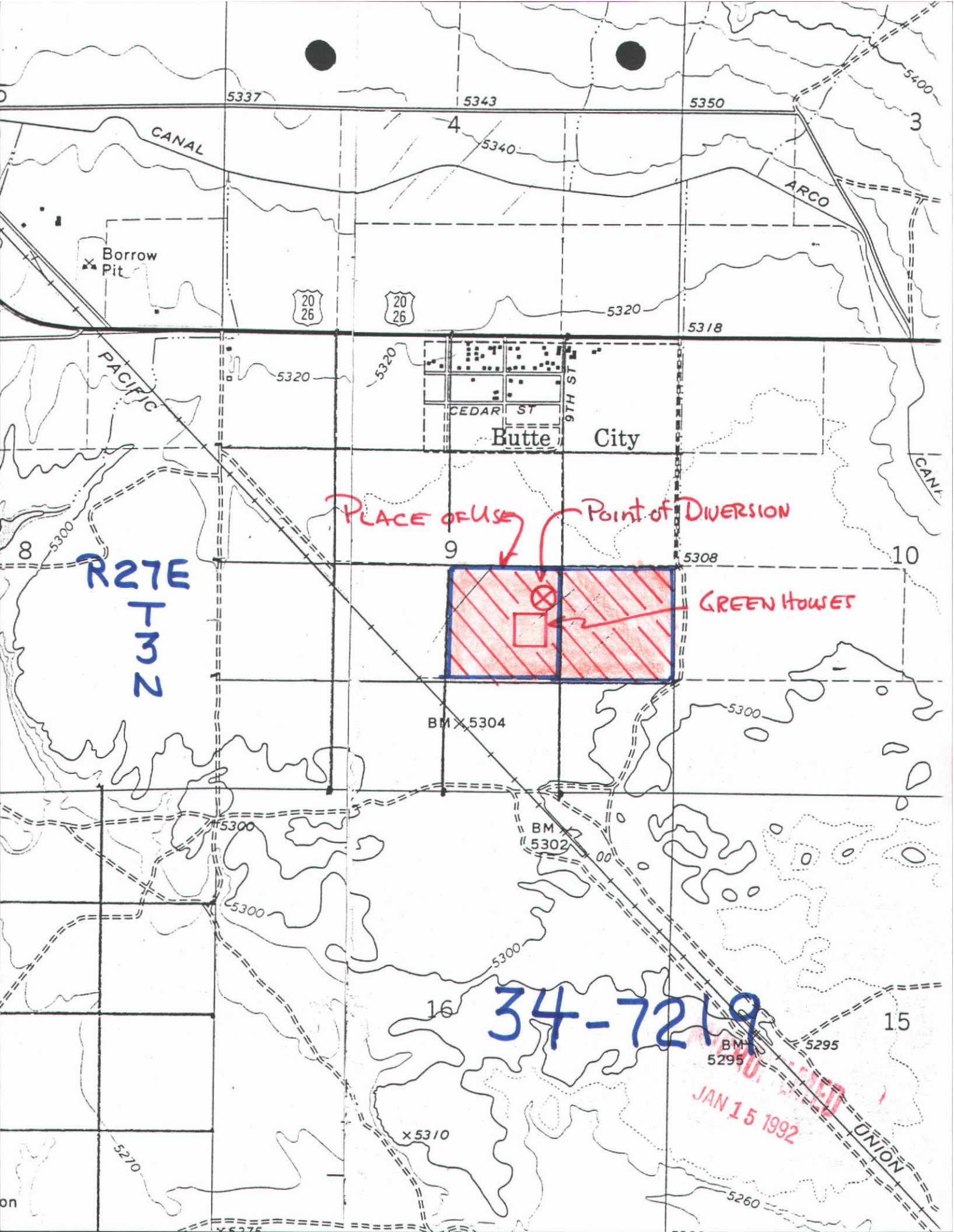
1. **Diversion System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable. ☐ Alternative diagram attached



Scale: 1" = _____

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

MICROFILMED
JAN 15 1992



5337

5343

5350

5400

CANAL

ARCO

Borrow Pit

20
26

20
26

5320

5318

PACIFIC

5320

5320

CEDAR ST

9TH ST

Butte

City

PLACE OF USE

Point of DIVERSION

R27E
T3N

9

5308

10

BM X 5304

5300

BM X 5302

5300

5300

5300

16

34-7219

15

BM 5295

5295

JAN 15 1992

UNION

X 5310

5270

5260

5 4
8 9

73.0

A-441
JOE CLAREY
441-A
T-233

A.
81.5

A-459
A. Quist

A-470
Kermit Richardson
470-A
T-253
JANET

GREEN HOUSE

A
75.3

POINT OF DIVERSION

PLACE OF USE IRRIGATION

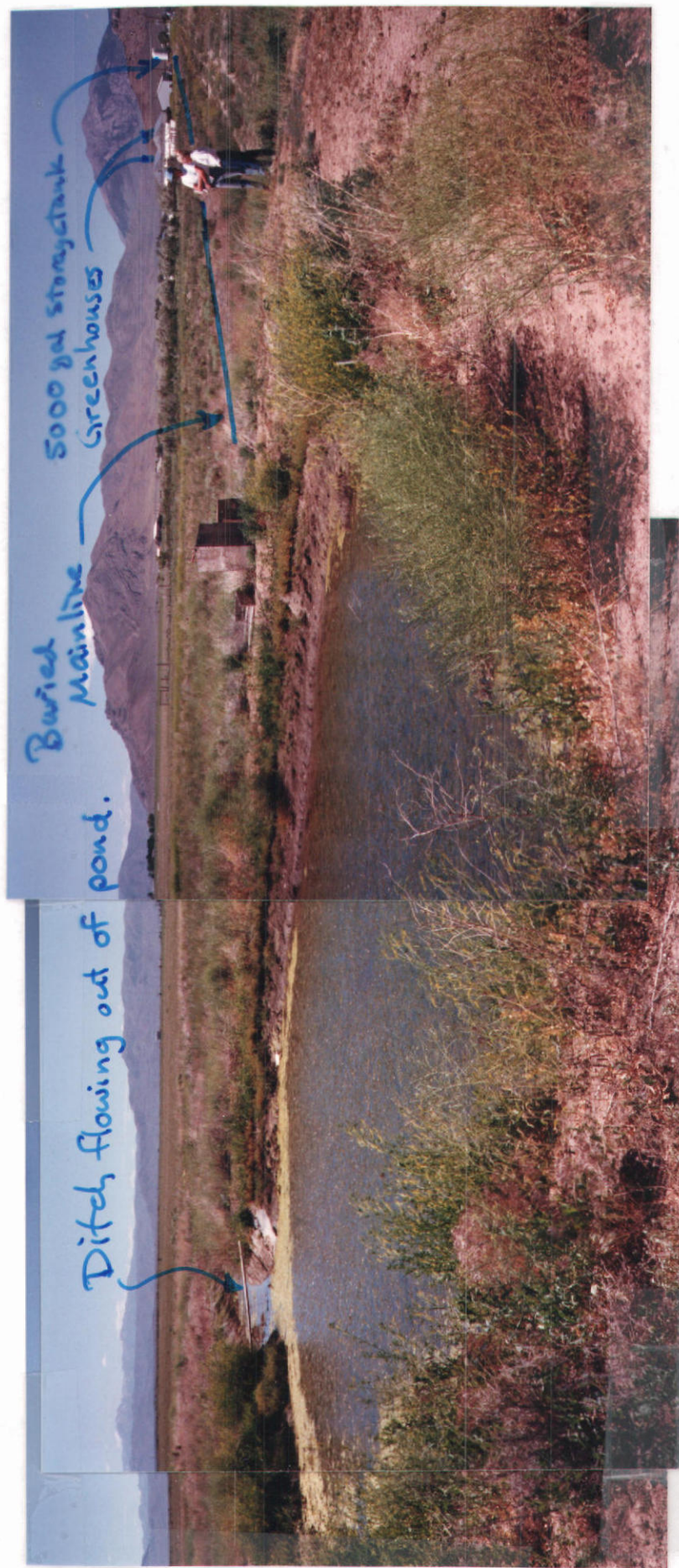
8 9
17 16

H-459
A. Quist

T
3
N
R 27E

RECORDED
JAN 15 1932

9 10
16 15



Ditch flowing out of pond.

Buried
Mainline

5000 gal storage tank
Greenhouses

34-7219

UNRECORDED
JAN 15 1992



Air Line Pressure
gage

Pump/Casing of
well

MICROFILMED
JAN 15 1992

34-7219

NAME OF APPLICANT.....

Form No. 0

ASSESSORS RECORDS
LAND OWNERSHIP

Y.H. WALKER

DR. BARTER

9 Kermit
Richardson

SCALE: 2 Inches Equal 1 Mile. Draw Plan In Ink.

MICROFILMED

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

WATER RIGHT NO. 34-07219

Priority: July 4, 1978

Maximum Diversion Rate: 0.92 CFS
Maximum Diversion Volume: 445.8 AF

This is to certify, that JANET RICHARDSON
K. W. RICHARDSON

58 N 3167 E BEAR ISLAND DR.

IDAHO FALLS ID 834020000

has complied with the terms and conditions of the permit, issued pursuant to Application for Permit dated June 30, 1978; and has submitted Proof of Beneficial Use on January 1, 1989. An examination indicates that the works have a diversion capacity of .920 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 11/01	0.77 CFS	120.0 AF
COMMERCIAL	01/01 to 12/31	0.08 CFS	57.9 AF
HEATING	01/01 to 12/31	0.37 CFS	267.9 AF
	Totals	0.92 CFS	445.8 AF

LOCATION OF POINT(S) OF DIVERSION:

NENWSE , Sec. 9, Township 03N, Range 27E
BUTTE 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>
03N	27E	9	NESE	38	NWSE	34	72
Total number of acres irrigated:							72

PLACE OF USE: COMMERCIAL

<u>TWN</u>	<u>RGE</u>	<u>SEC</u>
03N	27E	9

NWSE

PLACE OF USE: HEATING, same as COMMERCIAL use

CONDITIONS/REMARKS:

1. The maximum diversion volume listed within this right is defined as the maximum allowable volume of water that may be diverted annually from the source identified under this right, or limited to the amount that can actually be beneficially used on the above described place of use. This right is further limited to a maximum diversion of water onto the above described place of use of 0.02 cfs per acre or 3.0 acre feet per acre per year when combined with all other appurtenant water rights.

JAN 15 1992

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

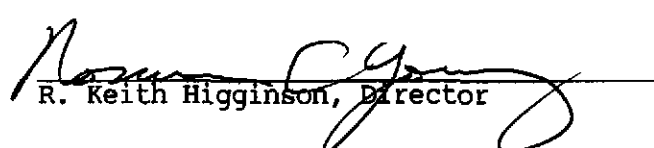
WATER RIGHT NO. 34-07219

CONDITIONS/REMARKS:

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. Commercial use is water used in three greenhouses.
6. Heating and Cooling water is for the greenhouses.

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 30TH day of NOVEMBER, 1991.

Acting for


R. Keith Higginson, Director

JAN 15 1992

RECEIVED

DEC 23 1988

RECEIVED

DEC 09 1988

STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES

For Office Use Only

Fee Received \$50.00

Date 1/6/89

Receipt # 2004962

Receipt by CP

Reviewed by JE

Sent to region

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 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. 34-7219

Name(s) of Permit Holder: R.W. or Janet E Richardson

Post Office Address: 15373 Bear Is. Dr. Idaho Falls -
Idaho 83402

Telephone No. 527-5742

Source of Water: well

Extent of Use:

Domestic 1 (number of households) Stockwater 60 (number and type of stock)

Irrigation 3 acres cut flowers & orchard (acres) Other/Remark We have 1

completed rose greenhouse + 1 house under construction,
a 3rd will be built this spring 220 gpm Plus 20 acres pasture.
Total rate and/or volume for which proof is submitted .506 cfs acre-feet

Show the date water was first diverted and beneficially used under this permit: 1980 October

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

Fee enclosed \$ \$150.00 \$50.00 \$100.00
(See License Examination Fee Schedule)

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

I don't know the gpm - cfs
conversions so I guessed
at 2-3 cfs for the fee.
Please inform if incorrect.

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

Janet E Richardson Arco 527-8539, IF 522-5742
(Name) (Telephone Number)

15373 Bear Is. Dr. Idaho Falls, Idaho
(Address)

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.

12/7/88
Date

Janet E. Richardson
Signature of Permit Holder (and title, if appropriate)

FEB 08 1989

BEFORE THE DEPARTMENT OF WATER RESOURCES
OF THE STATE OF IDAHO

IN THE MATTER OF PERMIT NO. 34-7219 IN THE
NAME OF K. W. OR JANET E. RICHARDSON

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 January 1, 1989; and,

WHEREAS, the Department has notified the permit holders by certified mail that proof was due and instructed the permit holders as to the steps to be taken to make said proof; and,

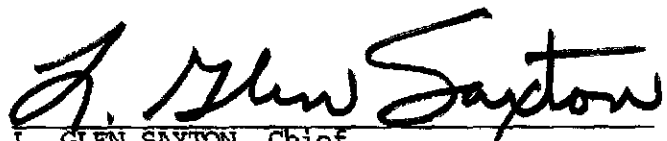
WHEREAS, on January 1, 1989 the permit lapsed for failure of the permit holders to submit proof of beneficial use; and,

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 lapsing; and,

WHEREAS, the permit holders have provided a reasonable showing as to why said permit should be reinstated by submitting proof of beneficial use on January 5, 1989;

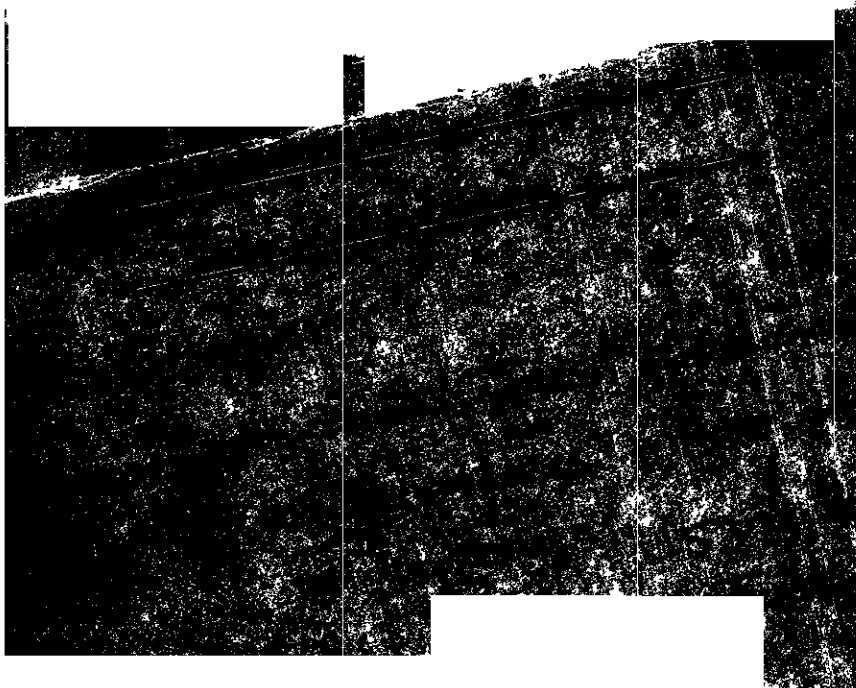
IT IS, THEREFORE, HEREBY ORDERED that Permit No. 34-7219 be REINSTATED and the priority advanced to July 4, 1978.

Dated this 9th day of January, 1989.


L. GLEN SAXTON, Chief
Water Allocation Bureau

MICROFILMED

FEB 08 1989



Richardson
c/o Atamco
P.O. Box 1408
Abqaiq
Saudi Arabia

MICROFILMED

بالبريد الجوي
AIR MAIL
PAR AVION



State of Idaho
Department of Water Resources
State Office, Statehouse
450 W. State Street
Boise, Idaho USA

83720

For Office Use Only	
Fee Received	\$15.00
Date	11-21-1983
Receipt #	52790

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

REQUEST FOR EXTENSION OF TIME

To provide additional time in which to submit
proof of beneficial use on a water right permit

Send to ^(care of Judy Gillis) P.O. Box 335
K.W. or Janet Richardson of Pomeroy, Wash. 99347
(Name) (Address)

c/o Aramec
P.O. Box 1408
Abqalg, Saudi Arabia, deposes and says:

That he is the holder, or the duly authorized agent of the holder*, of Permit to Appropriate the Public Water of
the State of Idaho No 34 - 7219

That under the terms and conditions of said permit, work thereunder was required to be completed on or before
Jan. 1, 19 84

That he has heretofore performed the following work described under said permit. Drilled 8+6", 896'
(This must be filled out! If no work has been completed put none)
well, installed 60 hp pump, buried 1120' of 8" mainline, purchased
1400' aluminum handline, planted 2600 tree seedlings, ran power
lines, installed culverts & fencing, cropped 40 acres
in 1982. Costing \$ \$85,000.00

That he is unable to complete the remainder of the work within the required time for the following reasons, to-wit:
Lack of fund, high interest rates in the spring of 82. We are
here in Saudi Arabia both working to accumulate \$110,000.00
by 1985-86 to complete this project. Still to be completed
is the building of the greenhouses, workshed, & transplanting
of the tree seedlings into the Bird Habitat Waste Water Disposal area.
Wherefore, he asks that the Department of Water Resources extend the time for the completion of obligations

under said permit to Jan. 1, 19 89
(1 yr. minimum, 5 yrs. maximum)

NOTE
AS OF JULY 1, 1980,
THERE IS A \$15.00
CHARGE FOR REQUESTS
FOR EXTENSION OF
TIME

Please find
enclosed
check #2462

Janet Richardson
(Signature)*

*IF OTHER THAN HOLDER, Power of Attorney must be supplied

ACTION OF THE DIRECTOR, DEPARTMENT OF WATER RESOURCES

IT IS HEREBY ORDERED that the above application for extension of time be APPROVED and the time within
which to submit the statement of beneficial use is extended to January 1, 1989.

Signed this 12th day of December, 19 83

J. Glen Saxton
Chief, Operations Bureau

BEFORE THE DEPARTMENT OF WATER RESOURCES
OF THE
STATE OF IDAHO

IN THE MATTER OF APPLICATION FOR PERMIT
NO. 34-7219 IN THE NAME OF K. W. RICHARDSON
OR JANET RICHARDSON

MEMORANDUM DECISION
AND ORDER

On June 30, 1978, the Department of Water Resources received an application from K. W. or Janet Richardson requesting 1.60 cubic feet per second of water from a groundwater source for greenhouse irrigation, space heating of greenhouse and within Butte City, stockwater, and for the irrigation of 80 acres of land located within the E $\frac{1}{2}$, Sec. 9, Twp. 3N, Rge. 27E, B.M. The water sought to be appropriated would be obtained from wells located within the NE $\frac{1}{4}$ SE $\frac{1}{4}$ and NW $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 9, Twp. 3N, Rge. 27E, B.M., Butte County. Notice of this application was published in the Arco Advertiser on July 13 and July 20, 1978, subsequently was protested by twenty-seven (27) residents of Butte City. An additional protest was received from Young Harvey Walker. A conference in the matter was held on September 25, 1978. The applicants and protestants represented themselves at the conference with Harley C. Whiting, Mayor of Butte City serving as spokesman for the residents.

At the conference, the protestants identified the following reasons for objecting to the granting of this permit.

1) The proposed use of groundwater may interfere with the municipal water supply of Butte City and the domestic supply of Young Harvey Walker.

2) The applicants do not have the financial resources to undertake the project themselves and the use of federal monies they are seeking to assist in financing the project is considered not to be in the local public interest in that it would be unfair competition for free enterprise.

The applicants withdrew the portion of their application for space heating of Butte City. After representing their arguments for and against this proposed project, all parties agreed that a hearing was not necessary and to allow the Department to reach a decision based upon the information presented at the conference and contained in the records of the Department.

After reviewing all the available information and based upon his understanding of the law, the Director of the Department of Water Resources makes the following Findings of Fact, Conclusions of Law and Order:

FILED

FINDINGS OF FACT

1) In July of 1978, Janet and K. W. Richardson submitted to the U. S. Department of Energy a proposal to construct a geothermal well to supply space heating for the residents of Butte City, space heating and irrigation for an acre of greenhouses, a five (5) acre upland game habitat, and the irrigation of sixty (60) acres of cropland. The proposal requests \$227,300 from the Department of Energy for their geothermal project. The Department of Energy has set aside \$4,750,000 for funding geothermal projects throughout the nation. Award date on all proposals was December of 1978, however, applicants were not successful in an award grant.

2) The applicants hope to drill approximately a 1,000 foot well and obtain water from between 380 to 475 feet. During this past summer, the temperature of the city's well was measured at 93° F.

3) Available data indicate that the production from the city's well during the last 18 years has decreased from approximately 8 gallons per minute per foot of drawdown to about 2.6 gallons per minute per foot of drawdown.

4) The applicants are the owners of the N $\frac{1}{2}$ SE $\frac{1}{4}$, Sec. 9, Twp. 3N, Rge. 27E, B.M. The land described within the N $\frac{1}{2}$, Sec. 9 was removed from the application by the applicants when they decided not to proceed with the space heating program for Butte City.

CONCLUSIONS OF LAW

1) The Richardsons presently do not have the financial resources necessary to complete the project as proposed. However, they have been diligent in their efforts to seek funding and, if funds become available, they are entitled to an approved permit from the Department of Water Resources to proceed with the project. They have the resources to finance a less costly project if grant monies do not become available.

2) There is no evidence to indicate that there is any connection between the cold water aquifer that exists about 200 feet and the warm water aquifer that the applicants are proposing to tap. The decrease in yield that has been observed in the city's well appears to be a problem that has developed with the well itself, rather than reduced water availability in the area. None of the data available would indicate a probability of well interference if the well proposed in this application is constructed.

ANALYSIS

Section 42-226 of the Idaho Code provides that groundwater is the property

of the State of Idaho, whose duty it shall be to supervise its appropriations and allotment for beneficial use. This section further provides that, while the doctrine of "first in time is first in right...", underground water shall be protected in the maintenance of reasonable groundwater pumping levels, as may be established by the Department of Water Resources.

Even though the Butte City well is over 800 feet deep with a pumping lift of nearly 500 feet, which may already exceed the reasonable pumping lift for the area, there are no data available to indicate a decline in water levels may be anticipated if further development of the aquifer takes place. It is not reasonable to limit development of a water resource to the first appropriation just because that resource occurs at a substantial distance below land surface. All available information leads to the conclusion that the city's well is resisting the movement of water from the aquifer material more than it did several years ago, a problem which will not change as the result of further development of the aquifer.

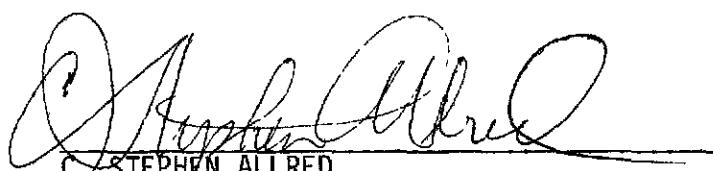
In addition to the fear that this appropriation would interfere with prior water rights, one protestant argued that it was not in the public interest to use federal monies to assist with financing of the project. We must reject this argument since opportunity to borrow money from normal lending sources or apply for monies under government sponsored programs is provided to everyone on the same basis.

ORDER

IT IS, THEREFORE, HEREBY ORDERED and Application for Permit No. 34-7219 is APPROVED subject to the following conditions:

- 1) This permit is subject to all prior water rights.
- 2) Proof of construction of works and application of water to beneficial use shall be submitted to the Department on or before January 1, 1984.
- 3) Return water shall be treated to insure that the effluent meets intra-state stream water quality standards.
- 4) An access port or other device as specified by the Department shall be installed by the permit holder to provide for the installation of measuring equipment and the determination of the rate of diversion by the Department.

Dated this 24 day of January, 1979.


C. STEPHEN ALLRED
Director

Identification No. _____
Application No. 34 7219

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT

APPROVED

To Appropriate the Public Waters of the State of Idaho
(TYPE OR PRINT IN INK)

- 1 Name of applicant K. W. Richardson or Janet Richardson Phone: 522-8658
post office address 2190 Calkins Avenue, Idaho Falls, Idaho 83401
- 2 Source of water supply ground water which is a tributary of _____
- 3 a Location of point of diversion is NE $\frac{1}{4}$ of SE $\frac{1}{4}$ of Section 9 Township 3N
Range 27E B.M. Butte County, additional points of diversion if any _____
NW $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 9, T. 3N, R. 27E, B.M.
- b If water is not consumed, it will be discharged into _____ at a point in _____ $\frac{1}{4}$
of _____ $\frac{1}{4}$ of Section _____ Township _____ Range _____ B.M. _____
- 4 Water will be used for the following purposes.
Amount 0.08 for Greenhouse Irrigation purpose from Jan. 1 to Dec. 31 (both dates inclusive)
(cfs or acre-feet per annum)
Amount 0.03 for Stockwater purpose from Jan. 1 to Dec. 31 (both dates inclusive)
(cfs or acre-feet per annum)
Amount 1.30 for space heating purpose from Jan. 1 to Dec. 31 (both dates inclusive)
1.60 Irrigation Apr. 1 Nov. 1
5. Total quantity to be appropriated
a 1.60 cubic feet per second and/or
b _____ acre feet per annum.
- 6 Proposed diverting works
a Description of ditches, flumes, pumps, headgates, etc two wells, pumps, delivery system
to 12 green houses & City of Butte, stockwater will be used from the
return files
- b Height of storage dam _____ feet, active reservoir capacity _____ acre feet, total reservoir
capacity _____ acre feet, materials used in storage dam _____
Period of year during which storage will occur _____ to _____ inclusive.
(Mo Day) (Mo Day)
- c Proposed well diameter is 12 inches; proposed depth of well is 1000 feet
- 7 a Time required for the completion of the works and application of the water to the proposed beneficial use
is 5 years
b Estimated construction cost is \$ 500,000.00
- 8 Description of proposed uses
a If water is **not** for irrigation SEE LAND LIST
(1) Give the place of use of water _____ ~~xxx~~ of _____ $\frac{1}{4}$ of Section 9 Township 3N
Range 27E B.M.
(2) Amount of power to be generated _____ hp under _____ feet of head
(3) List number of each kind of livestock to be watered 50 to 100 head of livestock
- (4) Name of municipality to be served Butte City, or number of families to be
supplied with domestic water _____
- (5) If water is to be used for other purposes describe water will be used for space heating
in greenhouses and the City of Butte, also for irrigation in the
greenhouse

RECORDED

b. If water is for irrigation, indicate acreage in each subdivision in the tabulation below

TWP	RANGE	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	
3N	27E	9													X	X			Greenhouse irrig
					X										X	X			stockwater
			X	X			X								X	X			space heating
3N	27E	9													40	40			80

Total number of acres to be irrigated 80

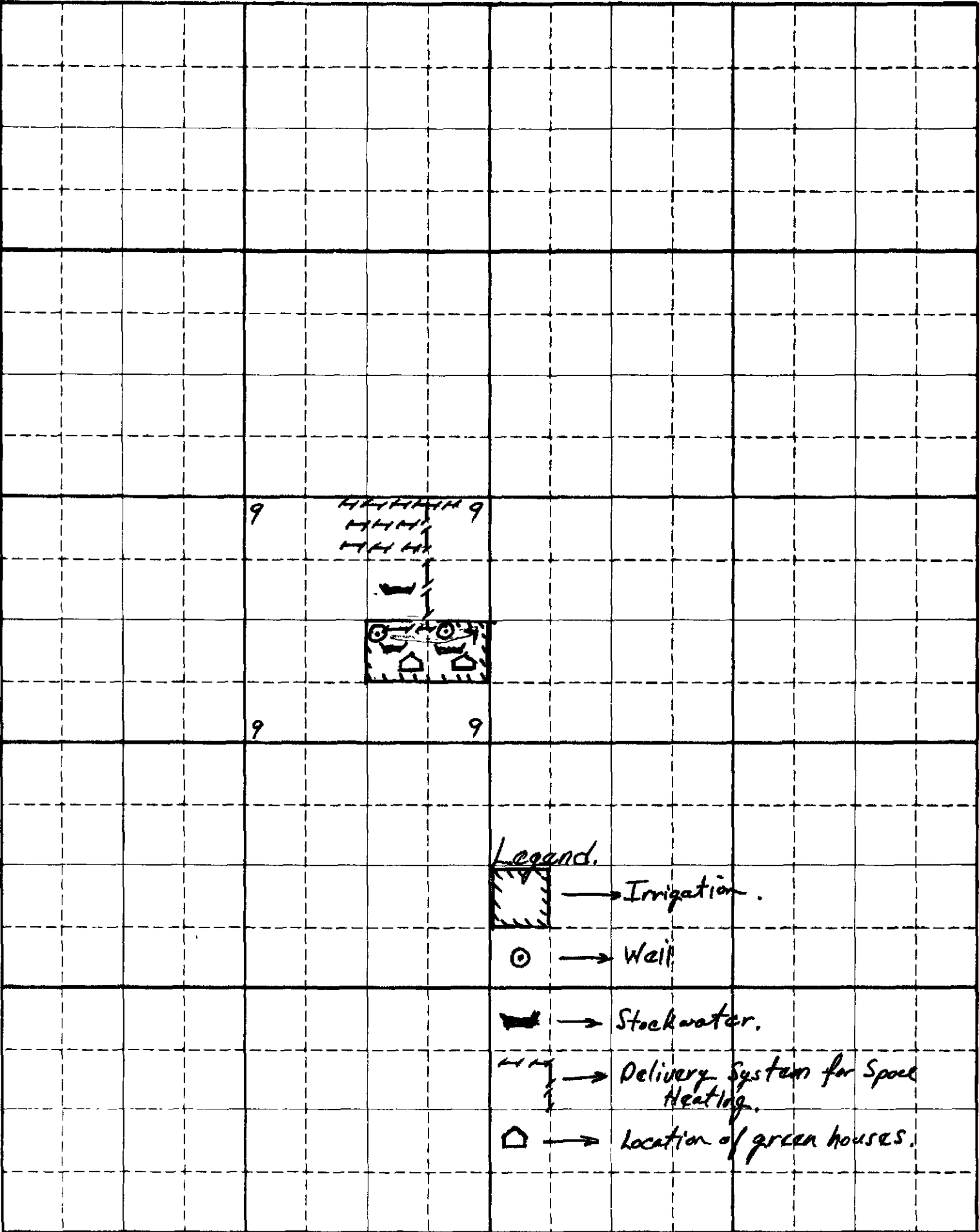
c. Describe any other water rights used for the same purposes as described above.
None

- 9 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

10. Remarks Water from wells will first be used for heating 12 greenhouses at 30 gpm/green house then 140 gpm will be required for space heat in Butte City. Return water will be used for stockwater and for irrigation of 80 acres.

The production zone is expected to be at 900' - 1000' or deeper and is expected to be in a different aquifer than other wells in the area.

11 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

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

Janh Richardson
(Applicant)

PROPOSED PRIORITY: June 30, 1978

Received by CW Date 6-30-78 Time 12:50
Preliminary check by MC Fee \$35.00
Receipted by CW Date 6-30-78 # 11441
Publication prepared by BP Date 7-6-78
Published in Co. Co. Advertisement
Publication dates July 13 & 20, 1978
Publication approved CW Date 8-16-78
Priority reduced to _____ Reason _____

Protests filed by R. H. Pierce, Jerry L. Bowhay, Kent S. Thorngren,
Charles H. Heidemann, Clifford Ramsey, T. E. Staker, Birney L.

Phillips, Arnold Heidemann, Richard R. Ivie, Kenneth W. Perrenoud,
Anna Bell Perrenoud, Don L. Stradley, Dora R. Stradley, Rosella F.
Copies of protests forwarded by CW

Hearing held by _____ Date _____
Recommended for approval denial by _____
Phillips, Albert E. King,
Edith King, John Taylor, Elmer
Savage, Richard Thomas, Vic
Schanwolf & Pearl, Wm L.
Young, Harley C. Whiting,
Mary Ann Heidemann, Mrs T. E.
Staker, Lerinda Kennedy, Cecil
Hamilton, Patricia
Hamilton, Young Harvey
Walker

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. 34-7219, and said application is hereby APPROVED.

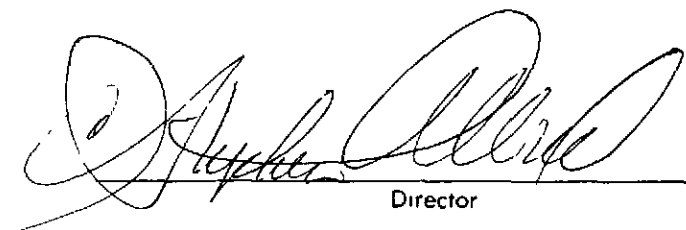
1. Approval of said application is subject to the following limitations and conditions.

- SUBJECT TO ALL PRIOR WATER RIGHTS.
- Proof of construction of works and application of water to beneficial use shall be submitted on or before January 1, 1984.
- Other: _____

PURSUANT TO MEMORANDUM DECISION AND ORDER

2 Denial of said application is for the following reasons _____

Witness my hand this 24 day of January 19 79.


Director

DEPARTMENT OF WATER RESOURCES

STATE OF IDAHO }
COUNTY OF ADA }

CERTIFICATE OF MAILING

I HEREBY CERTIFY THAT I have on this date served a true and correct copy of the foregoing MEMORANDUM DECISION AND ORDER by depositing a copy thereof in the United States mail postage prepaid and addressed to:

K. W. and Janet Richardson
2190 Calkins Avenue
Idaho Falls, ID 83401

R. H. Pierce
Route 1, Box 44A
Arco, ID 83213

Lerinda Kennedy
Route 1, Box 43
Arco, ID 83213

John Taylor
Box 542
Butte City, ID

Jerry L. Bowhay
Route 1, Box 37A1
Arco, ID 83213

Elmer Savage
c/o John Taylor
Box 542
Butte City, ID

Kent S. Thorngren
Route 1, Box 43C
Arco, ID 83213

Richard Thomas
Butte City, ID

Charles H. Heidemann
Route 1, Box 28
Arco, ID 83213

Vic and Pearl Schanwolf
Box 31
Butte City, ID

Clifford Ramsey
Route 1, Box 34
Arco, ID 83231

Wm. L. Young
Route 1, Box 44
Arco, ID 83231

T. E. Staker
Box 571
Arco, ID 83231

Harley C. Whiting
Box 107
Arco, ID

Birney L. Phillips
Route 1
Butte City, ID

Mary Ann and Arnold Heidemann
Route 1, Box 28
Arco, ID 83231

Richard R. Ivie
Route 1, Box 39
Butte City, ID

Mrs. T. E. Staker
Butte City, ID

Kenneth W. and Anna Belle Perrenoud
Route 1, Box 43B
Butte City, ID

Cecil and Patricia Hamilton
Route 1, Box 38
Arco, ID 83231

Don L. and Dora R. Stradley
P. O. Box 63C
Arco, ID 83231

Rosella F. Phillips
Box 263
Arco, ID

Albert E. and Edith King
Route 1, Box 40
Arco, ID 83231

Art and Larry Quist
Box 54
Arco, ID 83231

Dated this 25th day of January, 1979.

Rita Fleck

Dated this 25 day of January, 1979, personally appeared before me the signer of the above instrument, who duly acknowledged to me that she executed the same.

David R. Tuttle
Notary Public
Residing at Boise Id

SEAL

My commission expires Sept 10, 1980

MICROFILMED

Affidavit of Publication

L. Ella Cammack
of the Arco Advertiser, a weekly newspaper of general circulation, published weekly at Arco, Idaho, since March, 1909, do solemnly swear that a copy of this notice, per clipping attached, was published weekly in the regular and entire issue of said newspaper, and not in any supplement thereof,

for 2 consecutive weeks, commencing with the issue dated 7-13-78 and ending with the issue dated 7-20-78

L. Ella Cammack

Subscribed and sworn to before me this

4th day of August, 19 78

E. E. Sel

Notary Public

Residence: Arco, Idaho.

My commission expires 4th, 19 79

PUBLIC NOTICE

NOTICE OF APPLICATION FOR WATER PERMIT

Notice is hereby given that K. W. Richardson or Janet Richardson, Idaho Falls, Idaho, has on 6-30-78 submitted Application No. 34-7219 for a permit to appropriate 1.60 cubic feet per second of water from a ground-water source by means of wells and pumps within the NW $\frac{1}{4}$ SE $\frac{1}{4}$, NE $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 9, T. 3N, R. 27E, B.M., Butte County; to be used from Jan. 1 to Dec. 31 for greenhouse irrigation, stock-watering purposes for 50 to 100 head of livestock and space heating within the N $\frac{1}{2}$ NE $\frac{1}{4}$, SW $\frac{1}{4}$ NE $\frac{1}{4}$, NE $\frac{1}{4}$ NW $\frac{1}{4}$, N $\frac{1}{2}$ SE $\frac{1}{4}$, Sec. 9, T. 3N, R. 27E, B.M. and from Apr. 1 to Nov. 1 for the irrigation of 80 acres within the N $\frac{1}{2}$ SE $\frac{1}{4}$, Sec. 9, T. 3N, R. 27E, B.M.

If issued, this permit will be subject to all prior water rights. Protests against the granting of the permit must be filed with the Idaho Department of Water Resources, 1515 Lincoln Road, Idaho Falls, Idaho, 83401 on or before July 31, 1978.

C. STEPHEN ALLRED
Director

Published in the Arco Advertiser, Arco, Idaho on July 13 and July 20, 1978



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

January 9, 1992

JANET RICHARDSON
K. W. RICHARDSON
58 N 3167 E BEAR ISLAND DR.
IDAHO FALLS ID 834020000

RE: WATER RIGHT NO. 34-07219

Dear Water Right Holder(s):

Enclosed is a copy of your water right license.

This right is included in the Snake River Basin Adjudication and you will be receiving further information regarding this in the near future.

If you have any questions, please let me know.

Sincerely,

JIM JOHNSON
Water Rights Supervisor

JJ:blm

Enclosure

MEMORANDUM

TO: Norm
FROM: Sharla
DATE: November 8, 1991
RE: Well Log

Norm, there is no well log on file for the well drilled under this right. However, I did locate the attached log for a well drilled in the general vicinity for Butte City back in 1960 and thought that it may be of some interest to you.

WELL LOG AND REPORT TO THE STATE RECLAMATION ENGINEER OF IDAHO

RECEIVED
JUN 3 0 1960

Log No. _____
Department of Reclamation
Rec'd. _____

Well No. _____

Permit No. _____

(DO NOT FILL IN)

Owner Butte City Address Butte City, Idaho

Driller R.J. Strasser Drilling Co. Address Rox 155, Rupert, Idaho Lic. No. 95

Location of Well: Lot Eleven, Block Five of Uffen-Havie Sub-division Butte County,
1/4 Sec. 1, T. 37 N., R. 27 E., S. 1 W.

and _____ feet N/S. and _____ feet E/W from _____ Corner of _____ 1/4 Sec.

Size of Drilled Hole 15" Total depth of Well 850

Give depth of standing water from surface 395 ft. Water Temp. 92 °Fahrenheit

On pumping test delivery was 125 g.p.m. or _____ c.f.s. Drawdown was 15 feet.

Size of pump and motor used to make the test 20 h.p. Rada Submersible

Length of time pumped during check was 3 hr. _____ minutes.

If flowing well, give flow in c.f.s. _____ or g.p.m. _____ and shut in pressure _____

If flowing well, describe control works _____
(TYPE AND SIZE OF VALVE ETC.)

Water will be used for City Weight of casing per linear foot 62

Thickness of casing 5/16 Casing material Steel
E.G., PIPE, CONCRETE, WOOD.

Diameter, length and location of casing 16" O.D. pipe from 0-308 ft.

Stain. Stl. Johnson Screen
Number and size of perforations 10" I.D., .012 slots located 461 feet to 475 feet
from surface of ground.

Other perforations _____

Date of commencement of well Aug. 8, 1959 Date of completion of well June 20, 1960

Type of well rig Bucyrus-Erie 36-L

CASING RECORD

DIAM. CASING	FROM FEET	TO FEET	LENGTH	REMARKS - SEALS, GROUTING, ETC.
16"	0	308	308	
10"	385	461	76	
				Ten inch pipe used as riser on top of 10" screen. Eight yards of 3/4 minus gravel and coarse sand placed around screen.

GENERAL INFORMATION—Pumping Test, Quality of Water, Etc.

Well was drilled to 850 ft. in an attempt to secure cooler water. Results were
negative, so well was back-filled with gravel to 475 ft.

WELL LOG

From Foot	To Foot	Type of Material	Drilling Time		Water-bearing Formation Ass. Yes or No	Casing Depth - Feet Yes or No
			Hrs.	Mins.		
0	8	Clay and gravel				
8	10	Sand and clay				
10	21	Cemented gravel				
21	38	Sand with small gravel				
38	41	Brown clay				
41	49	Gravel and clay				
49	65	White clay				
65	88	Sand				
88	134	Hard gray lava				
134	146	Clay and cinders				
146	178	Sticky clay				
178	192	Cemented gravel				
192	198	Clay				
198	205	Sandy clay				
205	282	Cemented gravel				
282	306	Hard sand-stone				
306	322	Gray lava				
322	330	Red and gray lava				
330	400	Hard gray lava				
400	438	Red and gray lava				
438	442	Hard gray lava				
442	451	Red cinders				
451	460	Tight sand and gravel				
460	475	Sand and gravel			Yes	
475	538	Sand, clay and gravel				
538	553	Sand-stone				
553	630	Cemented gravel				
630	687	Sandy clay				
687	702	Quartz rock				
702	793	Sticky shale, grey				yes-very hot
793	830	Cemented gravel				
830	880	Sticky shale				
		If more space is required use Sheet No. 2				

WELL DRILLERS STATEMENT

This well was drilled under my jurisdiction and the above information is true and correct to the best of my knowledge and belief.

Signed B.J. Strasser Drilling Co.

By *R. J. Hanner*

Dated June 24, 1960

License No. 95

FROM G.J. Taylor

TO Jim Johnson

SUBJECT

— 34-07219 —

DATE 10-9-91

RECEIVED

OCT 11 1991

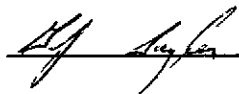
Department of Water Resources

Here's the supporting documents.

We also used the Field exam papers Keith did for this Permit.

RECEIVED

JAN 15 1992



SIGNATURE

10-9-91

Telephone Conversation w/ Janet Richardson

Janet Richardson

- 1) 2 greenhouses @ $30 \times 100 = 6000 \text{ ft}^2$
1 greenhouse @ $3 \times 124 = 3720 \text{ ft}^2$
1 shop/garage @ $30 \times 60 = 1800 \text{ ft}^2$
total = 11520 ft^2

* Double paneled w/ acrylic roof

- 2) 38 pieces of handline to irrigate 40 Acres w/ 60 HP
pump. - (K66-40 ACRES.)
79 acres under Big Lost Licenses were flood irrigated.

- 3) 2 float valves in 5000 gallon tank.

When water level in tank goes below 2500 gallon
valve causes well pump to discharge into
tank

When water level in tank reaches capacity of tank
valve shuts well pump off.

In peak winter time pump turns on every 15 minutes.
 $2500 \text{ gal} \div 15 \text{ minutes} = 166 \text{ gal/min.} = 0.37 \text{ cfs.}$ per Janet Richardson

- 4) When greenhouse thermometer reads $> 60^\circ \text{F}$ valve opens and
4" pipe gravity feeds $102^\circ \text{H}_2\text{O}$ to greenhouse; it is then
out in 8" pipe to slow water in greenhouse. Goes into
next greenhouse; then @ last greenhouse it is
back to 4" pipe and then 2-2" pipes to
4 - $2' \times 4'$ copper Aluminum heat exchangers.

@ $> 57^\circ \text{F}$ pumps turn on to pump $102^\circ \text{H}_2\text{O}$ to greenhouses.

Shaw also has 2 - $18' \times 2'$ heat exchangers

* The greenhouses were designed to heat w/ 50 gallons/greenhouse

RECOMMENDATIONS:

REC. PURPOSES	REC. PERIOD FROM TO	REC. DIV RATE CFS		REC. DIV VOL. AF/A		REC. CONS. USE	
		DATABASE	EXAMINER	DATABASE	EXAMINER	DATABASE	EXAMINER
<u>IRRIGATION</u>	<u>04/01 11/02</u>		<u>.77</u>		<u>120.0</u>		<u>112.50</u>
<u>Commercial</u>	<u>01/01 12/31</u>		<u>.08</u>		<u>57.9</u>		<u>N/A</u>
<u>Heating</u>	<u>01/01 12/31</u>		<u>.37</u>		<u>267.9</u>		<u>N/A</u>
TOTAL FOR THIS RIGHT			<u>.92</u>		<u>445.8</u>		<u>112.50</u>

REVIEWED BY: WJ

DATE: 10-9-91

1. Cooling & Dom. cannot be recommended because they were not part of the original Permit
2. Stockwater cannot be recommended because there was no stock.
3. 0.77 cfs recommended for irr. because field exam on 7/5/90 by K. Wilson showed that @ 45 psi 0.77 cfs was the theoretical capacity of well/Pump.
4. 57.9 AF Div. Volume for commercial because $0.08 \text{ cfs} \times 1.9835 \times 365 = 57.9 \text{ AF/A}$
5. 0.37 cfs for Heating because $2500 \text{ gal} \div 15 \text{ min.} = 166.7 \text{ gal/min.}$
 $166.7 \text{ gal/min} \div 448.8 \text{ gal/min} = 0.37 \text{ cfs}$
6. 0.92 cfs for total diversion rate because this is the capacity of well @ 60HP & 13 psi to 5000 gallon storage tank.

* See tele-con. dated 10-9-91

ARE IRRIGATED ACRES FOUND IN TRACTS OTHER THAN INDICATED ABOVE, Y() N(—)
IF YES SEE ATTACHED SHEET:

C. FIELD EXAM REQUIRED?

DUE TO POU DISCREPANCY? (Y/N)

DATABASE
Y

FIELD
EXAMINER

Y

PRESUMPTION FLAG:

REMARKS:

Acresage was changed to 72 Acres total because this was what
was irrigated by Bl. River licenses & there has not been any irrigation
of total acreage for "a couple of years"

RECOMMENDATIONS:

TOTAL ACRES:

40/72 *

REVIEWED BY:

Y/S

DATE: 10-9-71

* Permissible place of use of 40 Acres w/in 72 acres.

Mrs. Richardson explained that she has 1 1/4 mile hand line & that which
is flood irrigated by water from pond.

A. AJ CLAIMED USES:

PURPOSES	MONTH/DAY	DIVERSION QUANTITY
A34-07219 IRRIGATION	FROM 04-01 TO 11-01	.990 CFS 240.00 AF/A
~~A34-07219 STOCKWATER~~	FROM 01-01 TO 12-31	~~.020 CFS 1.30 AF/A~~
A34-07219 COMMERCIAL	FROM 01-01 TO 12-31	.080 CFS 5.60 AF/A
A34-07219 HEATING	FROM 01-01 TO 12-31	.440 CFS 318.60 AF/A
~~A34-07219 COOLING~~	FROM 01-01 TO 12-31	~~.440 CFS 266.20 AF/A~~
~~A34-07219 DOMESTIC~~	FROM 01-01 TO 12-31	~~.040 CFS~~
TOTAL DIVERSION RATE/VOLUME CLAIMED		.990 CFS 716.70 AF/A

B. WR RECORDED USES:

PURPOSES	MONTH/DAY	DIVERSION QUANTITY
34-07219 IRRIGATION	FROM 04-01 TO 11-01	1.600 CFS
34-07219 STOCKWATER	FROM 01-01 TO 12-31	.030 CFS
34-07219 COMMERCIAL	FROM 01-01 TO 12-31	.080 CFS
TOTAL DIVERSION RATE/VOLUME CLAIMED		1.600 CFS

PRESUMPTION FLAG:

C. FIELD EXAM REQUIRED?

	DATABASE	FIELD EXAMINER
DUE TO WATER-USE DISCREPANCY? (Y/N)	Y	<u>Y</u>
DUE TO DIVERSION RATE DISCREPANCY? (Y/N)	Y	<u>Y</u>
DUE TO PERIOD FROM/TO DISCREPANCY? (Y/N)	Y	<u>Y</u>

D. PERIOD OF USE:

RECOMMEND AS CLAIMED? Y() N()

RECOMMEND TO WR STANDARDS OR OTHER? Y() N() Explain in remarks, below.

REMARKS:

* See page 11 for recommendations

A. CHECK ONLY THE FOLLOWING THAT APPLY:

	ACCEPTED AS CLAIMED	NEEDS REVIEW
OWNERSHIP _____	(☒)	()
FORFEIT/ABANDON _____	(☒)	()
ADDITIONAL DIV. AMOUNT _____	()	(☒)

B. SPLIT WATER RIGHT REVIEW

ROOT WATER RIGHT NUMBER: 34-07219

	DATABASE	EXAMINER	CFS
TOTAL DIVERSION RATE OF WR SPLITS	0.990	_____	

SPLITS:

OLD RIGHT NUMBERS	CURRENT CLAIM NUMBERS	DIVERSION RATE	CURRENT "R" CLAIM NUM.	"R" DIV. RATE	WR RIGHT NUMBERS	DIVERSION RATE
-	A34-07219	0.990	-		34-07219	1.600
-	-		-		L34-07219	0.990
TOTAL CFS		0.990				0.990

DIVERSION RATE REVIEW

DO THE SUM CFS RATE OF THE SPLITS EQUAL THE ROOT RIGHT CFS RATE? (Y/N)
IF NO, is the written review sheet attached? (Y/N)

DATABASE	FIELD EXAMINER
Y	_____

REMARKS:

0.92 cfs total diversion rate!

AUTHENTICATION:

SIGNATURE: _____

DATE: 10-9-91

NAME OF FIELD EXAMINER: B.J. Taylor

TITLE: Senior Water Agent

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED
JUL 03 1991

A. GENERAL INFORMATION

Permit No. 34-7219
Department of Water Resources
1 Owner Janet Richardson Phone No. 502-5742
Current Address 58 N 3167 E Bear Island Drive, EF 83402
2. Accompanied by Janet Richardson EXAM DATE 7/5/90
Address R.T. 1 Box 149 A Arco, Id 83213 Phone No 527-8539
Relationship to Permit Holder Permit holder
3 Source Groundwater tributary to _____

B. OVERLAP REVIEW

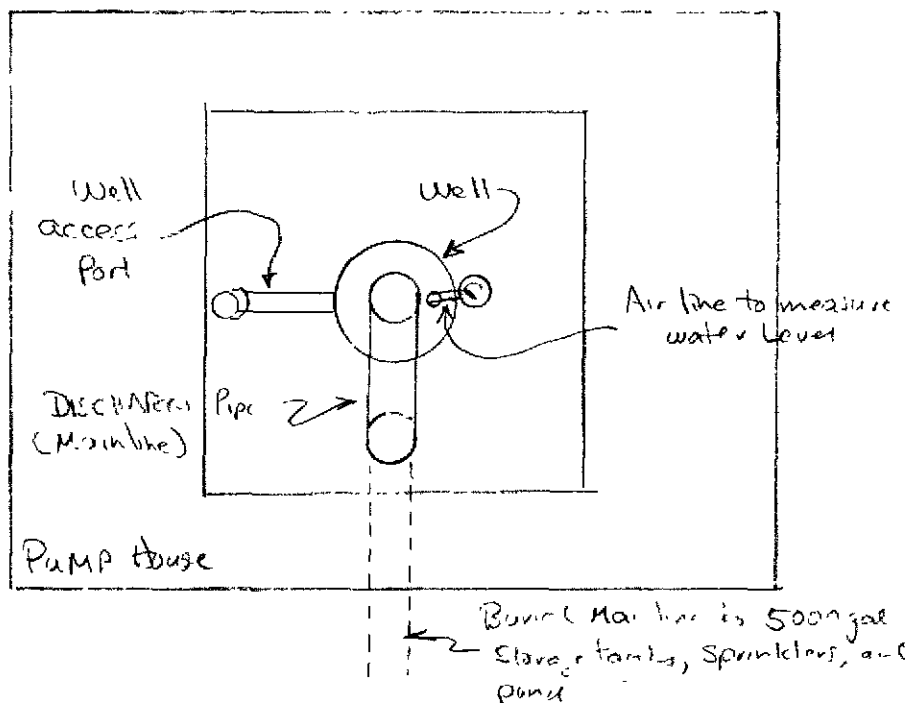
1. Other water rights with same place of use 34-2491 (Big Lost River) 34-7111 Big Lost River

☐ Copies Attached
2. Other water rights with same point of diversion: NONE

☐ Copies Attached ☐ Copies of Field Exam's Attached

C. SYSTEM DESCRIPTION

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



Scale. 1" = _____

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



System Description (continued)

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

Well, submersible pump ¹ to ¹ sprinkler lines (hand lines) w/ 24 - 6 gpm nozzels ² 5000 gallon storage tank, gravity feed to 2 greenhouses, 2 hp booster from storage to greenhouses. For heating, cooling, fertilizing, ~~tobacco~~ Heating: from pump to 5000 gal tank to greenhouses, dumped in pond with lateral ditches or used to irrigate. No stock at time of exam (stock could drink from ditches). -2hp 25hp pump is replaced w/ 60hp pump when flows diminish.

☐ 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
8	Hitachi	~~20~~ ²⁵	N/A	Hitachi	3"
	Hitachi	60	N/A	Hitachi	3"

*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	SE	9	3N	27E	Butte	Visual inspection from USGS quad 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	
3N	27E	9																	
															40	39			79/39
															38	34			72

Calculations:

Air Line method for measuring pumping water levels

Pipe length = 485'

Pressure reading = 48 psi

$$\begin{aligned}\text{Pumping Water Level} &= \text{Pipe length (ft)} - \text{Gage Reading (ft)} = \\ &= 485' - [(48)(2.308)] = 485' - 110.8' \\ &= 374 \text{ feet}\end{aligned}$$

JAN 15 1982

Calculations: FLOW RATE

GIVEN: (1) 25 hp, pumping depth = 374 feet
 (2) Consumptive use Mackay area = 16.3 ac in = 1.358 af
 (3) 24 sprinkler/quarter mile line with 60 gpm nozzles

ASSUME: (1) Nozzle size - No. 30 w sprinkler $\frac{3}{16}$ " diameter nozzle at 35 psi = 5.97 gpm
 (2) 60 ft spacing - $\frac{1}{4}$ mile handline would have 22 sprinklers with a sprinkler on each end = 24 sprinklers.
 (3) height to top of 5000 gal storage tank = 30 feet
 psi = 13 psi [psi = (30 feet $\div$ 2.308) = 13 psi]

FIND: (1) FLOW RATE OPEN DISCHARGE
 (2) FLOW RATE TO STORAGE TANK
 (3) FLOW RATE FOR SPRINKLERS

$$Q = \frac{hp (8.814) (eff)}{head + (psi \times 2.308)} \quad eff = 0.70$$

$$(1) Q = \frac{25 (8.814) (.70)}{374} \quad psi = 0$$

$$(1) Q = 0.41 cfs \quad \text{Flow Rate open discharge}$$

$$(2) Q = \frac{25 (8.814) (.7)}{374 + (13 \times 2.308)} \quad psi = 13 psi$$

$$(2) Q = 0.38 cfs \quad \text{Flow Rate to storage tank}$$

$$(3) Q = \frac{25 (8.814) (.7)}{374 + (35 \times 2.308)} = 0.339 cfs$$

$$(3) Q = 0.34 cfs \quad \text{Flow Rate to sprinklers}$$

ALTERNATIVE SPRINKLER MEASUREMENT

$$Q = (5.97 gpm) (24) = 143.28 gpm / 448.8 gpm/cfs = 0.319 cfs$$

$$(3) Q = 0.32 cfs$$

Calculations: (cont)

- GIVEN: (1) 60 hp pump/motor, pumping depth = 374 feet
 (2) Consumptive use Mackay area = 16.3 ac-in = 1.358 af
 (3) 24 sprinklers/quarter mile line with 6gpm nozzles

Calculate open discharge flow

$$Q = \frac{hp(8.814)(\text{eff})}{\text{head} + (\text{PSI} \times 2.308)}$$

$$\begin{aligned} hp &= 60 \text{ hp} \\ \text{head} &= 374' \end{aligned}$$

$$\begin{aligned} \text{Assume eff} &= 0.70 \\ \text{PSI} &= 0 \text{ psi} \end{aligned}$$

$$Q = \frac{60(8.814)(0.7)}{374}$$

$$= 0.989 \text{ cfs} = \boxed{0.99 \text{ cfs}}$$

Calculate flow to storage tank

$$Q = \frac{60(8.814)(0.7)}{374' + (30')}$$

$$\begin{aligned} hp &= 60 \text{ hp} \\ \text{head} &= 374' \\ \text{psi} &= 13 \text{ psi or } 30 \text{ feet} \end{aligned}$$

$$= 0.916 \text{ cfs} = \boxed{0.92 \text{ cfs}}$$

Calculate flow to sprinklers

$$\text{Assume } 45 \text{ psi}$$

$$Q = \frac{60(8.814)(0.7)}{374 + (45 \times 2.308)}$$

$$= \frac{370.188}{477.86} = \boxed{0.77 \text{ cfs}}$$

$$\text{Assume } 55 \text{ psi}$$

$$Q = \frac{60(8.814)(0.7)}{374 + (55 \times 2.308)} = \boxed{0.74 \text{ cfs}}$$

Analysis: using theoretical calculation for 60hp pump & motor.

Consumptive use in area = 16.3 ac-in = 1.358 af/ac/season

With 80 ac x 1.358 af/ac = 108.7 af/season

Irrigation at field headgate requirement = 3.0 af/ac/season

with 80 ac x 3.0 af/ac/season = 240 af/season

Calculate delivery time for both consumptive and field headgate requirements.

$$V_{\text{consumptive}} = 108.7 \text{ af}$$

$$V_{\text{IRR. Headgate}} = 240 \text{ af}$$

$$V = \text{cfs (days)} 1.9835$$

$$\text{days} = \frac{V}{\text{cfs}(1.9835)}$$

$$\text{days}_{\text{con}} = \frac{108.7}{(0.99)(1.9835)} = 55.4 \text{ days @ } 0.99 \text{ cfs}$$

$$\text{days}_{\text{con}} = \frac{108.7}{(0.74)(1.9835)} = 74.2 \text{ days @ } 0.74 \text{ cfs}$$

$$\text{days}_{\text{IRR Headgate}} = \frac{240}{0.99(1.9835)} = 122.2 \text{ days @ } 0.99 \text{ cfs}$$

$$\text{days}_{\text{IRR Headgate}} = \frac{240}{0.74(1.9835)} = 163.7 \text{ days @ } 0.74 \text{ cfs}$$

The delivery time for Consumptive use is from 55.4 days to 74.2 days and for field headgate from 122.2 days to 163.7 days. Both volume requirements fall within the 214 day irrigation period.

Analysis: (cont.)

Calculate rate per acre:

Given: Ac that can be irrigated = 79 ac
Rate of Flow from 0.74 cfs to 0.99 cfs

$$\begin{aligned} @ \ 0.74 \text{ cfs} / 79 \text{ ac} &= 0.009367 \text{ cfs/ac} \div 0.02 \text{ cfs/minors in.} \\ &= 0.468'' / \text{acre} \end{aligned}$$

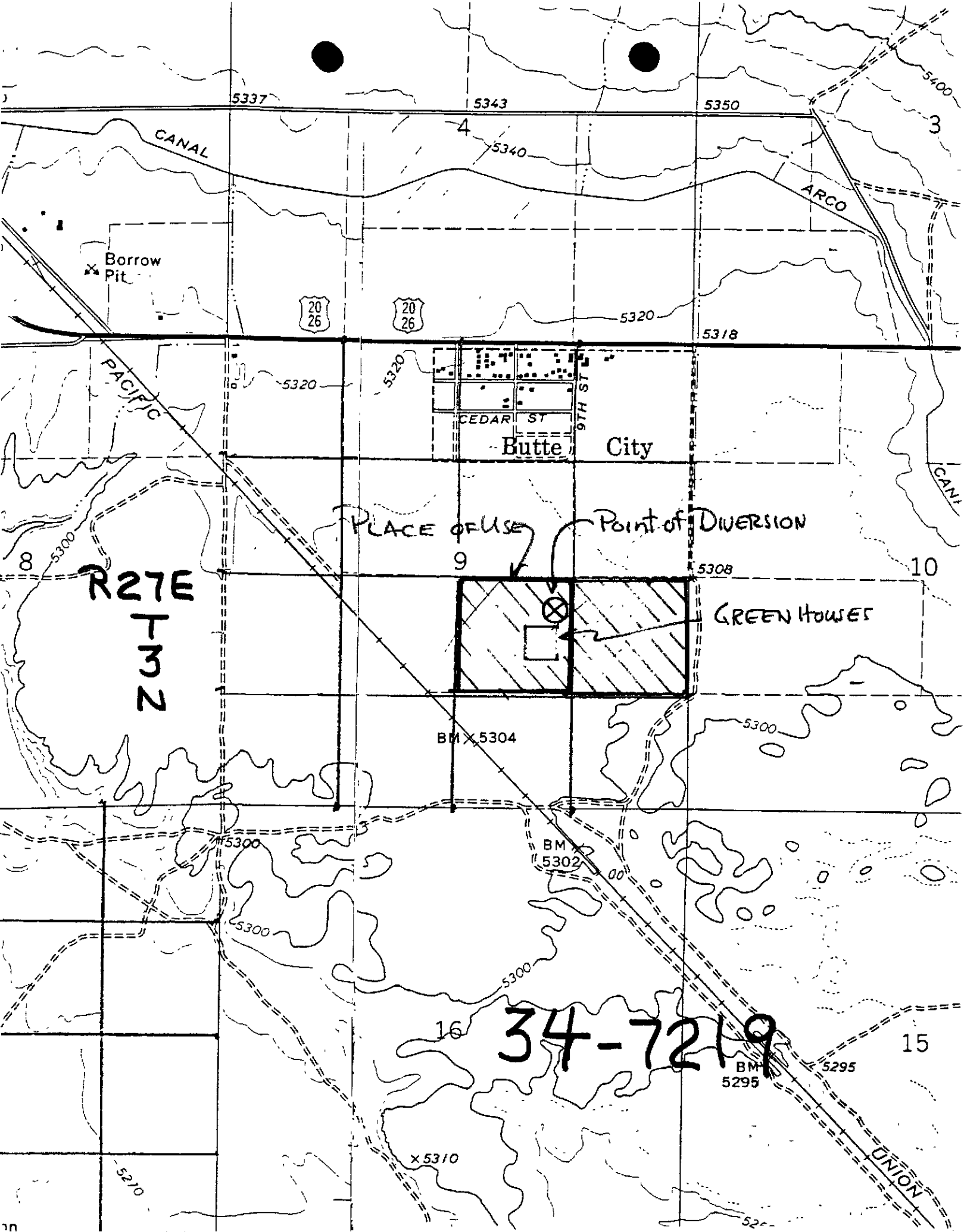
$$\begin{aligned} @ \ 0.99 \text{ cfs} / 79 \text{ ac} &= 0.0125 \text{ cfs/ac} \div 0.02 \text{ cfs/minors in.} \\ &= 0.626'' / \text{acre} \end{aligned}$$

Even at 0.74 cfs the rate per acre is 0.468''/acre which is very close to 0.5''/acre.

∴ I Recommend Licensing this permit @

0.99 cfs	for 79 acres of IRRIGATION	4/1 to 11/1
0.08 cfs	greenhouse irrigation	1/1 to 12/31
	(commercial)	
0.05 cfs	stockwater	1/1 to 12/31
0.99 cfs	total.	

1002



4	9
5	8

9	8
---	---

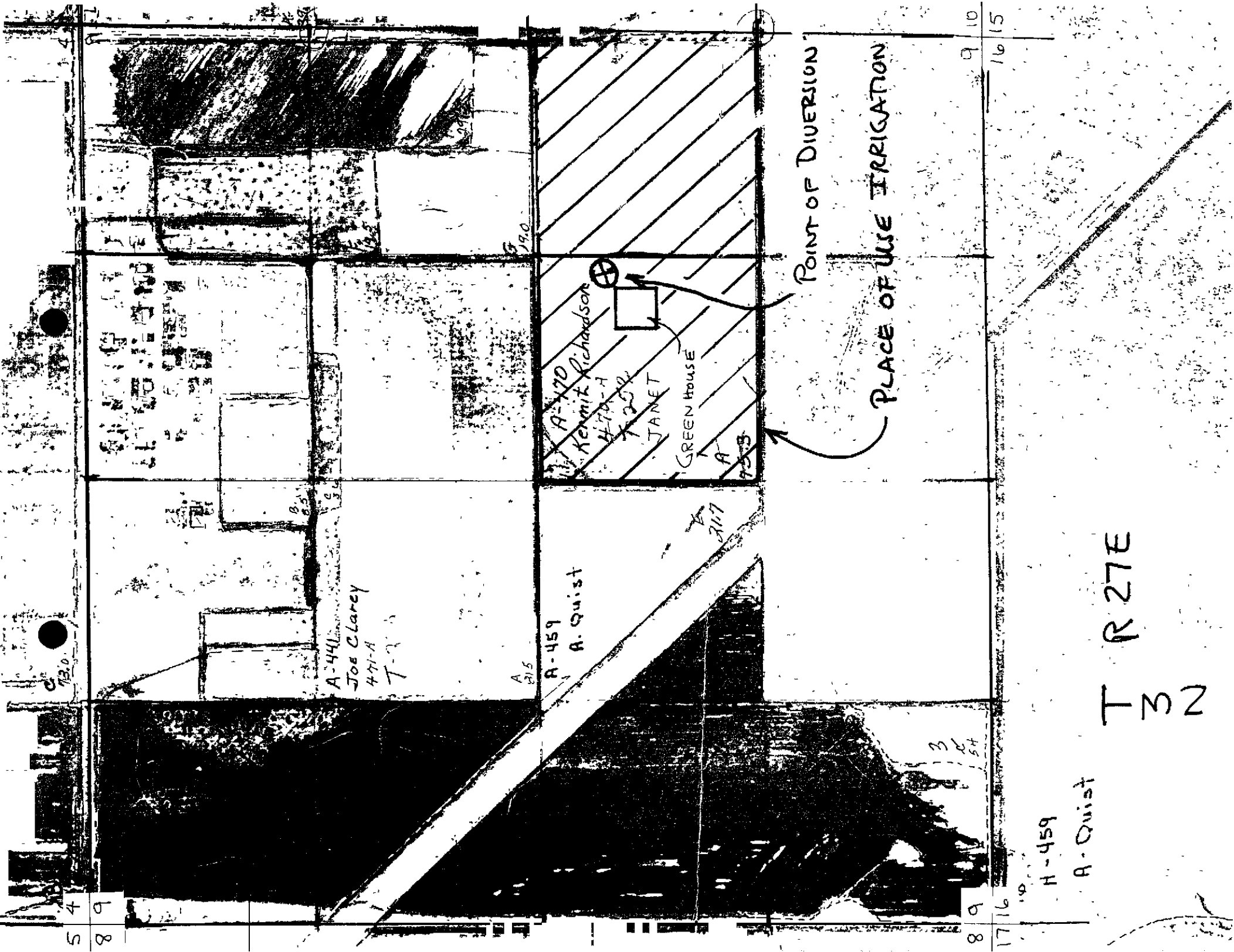
$$\frac{6}{8}$$

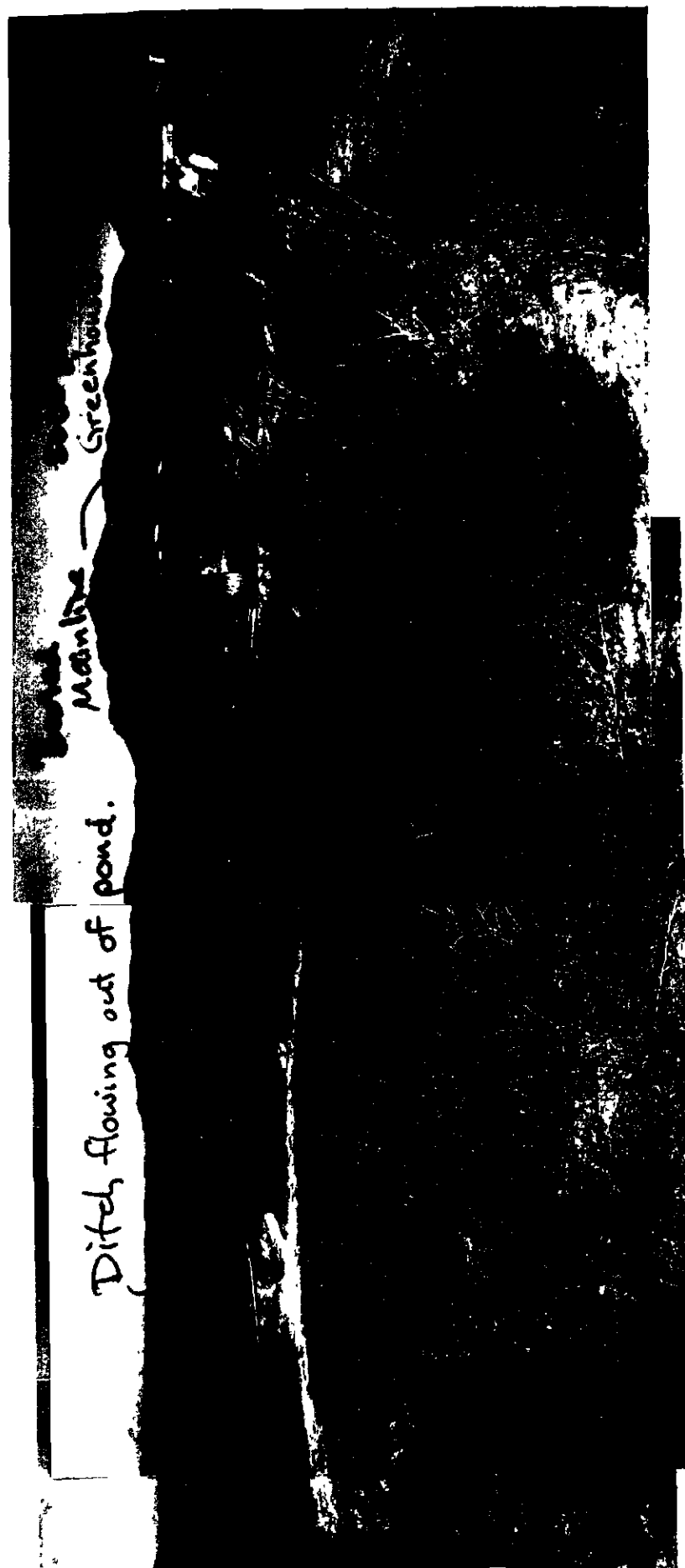
1716

159

A. O. I. S.

T 32 R 27E





Ditch flowing out of pond.

Mainline

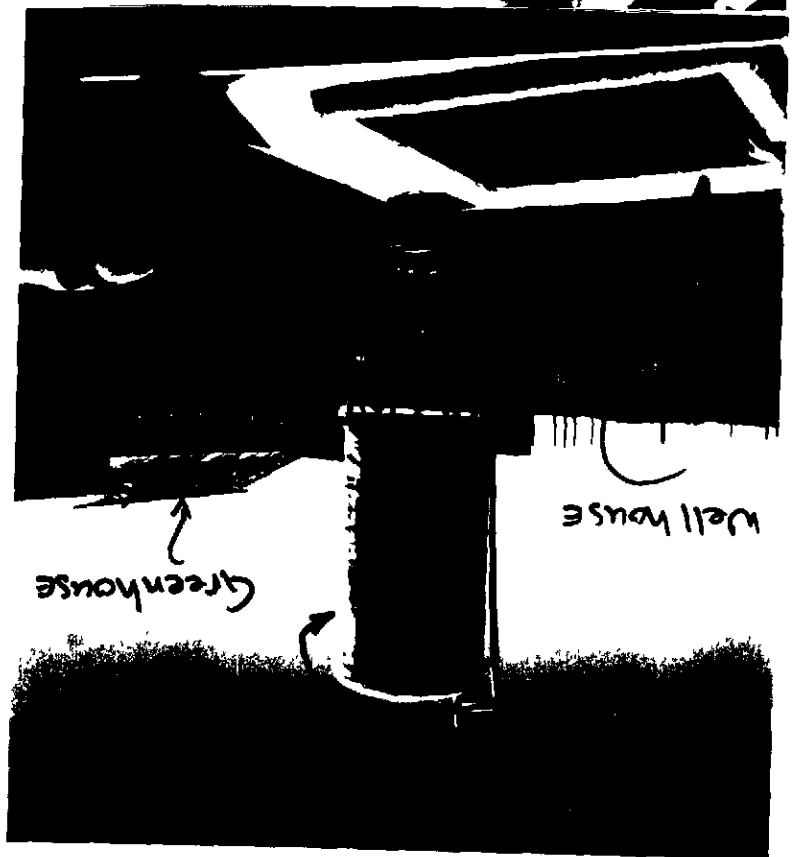
Greenhouse

34 -7219

34-7219

LOE - House

Air Line Pressure
gags
Pump/Casing of
well



34-7219

Negatives

34-7219

Do not use this space

D FLOW MEASUREMENTS

☐ Additional Data Sheets Attached

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Theoretical						

2 Measurements:

Pumping Depth 48 psi 5000 gal holding tank
 length of pipe = 485' Calculated Pump depth = 374 feet.
 Temperature 102°F

E. FLOW CALCULATIONS

☒ Additional Computation Sheets Attached

1 Measured Method

$Q = 0.99$ cfs open discharge = 0.92 cfs to storage tank = 0.74 cfs sprinklers

2 Alternate Method for Checking Purposes:

F PUMP EFFICIENCY DATA (Optional)

Discharge Pressure _____ psi x 2.31 = _____ ft (1); Dynamic pumping level _____ ft (2)

Total Head (1) + (2) = _____ (3) , Flow rate _____ cfs (4)

Water HP (3) x (4) ÷ 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 0.01732 = _____ (6)

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

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 79 \times 30 = 177 \text{ af } 240$
 $V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = 0.99 \times 214 \times (1.9835) = 174.0 \text{ af } 420.2$
 $V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = 177 \text{ af } 240 \text{ af}$

2 Volume Calculations for Other Uses

$V_{Commerce} = 0.08 \text{ cfs} \times 1.9835 \times 365 = 57.9 \text{ af.}$

H. REMARKS AND OVERLAP REVIEW ANALYSIS

Volume calculation for commercial use calculated on 24hr basis since water is also used for heating inside greenhouses.

* Irrigation by Sprinkler line & ditches utilizes the theoretical 0.99 cfs

I. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Irrigation	4/1	11/1	0.99 ~~0.41~~ cfs	117 240
Commercial (greenhouse)	1/1	12/31	0.08 cfs	57.9
Heating	1/1	12/31	0.37	267.4
Totals.			0.99 cfs 0.42	445.8

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 KEITH C. WILSON
Signature Keith C. Wilson
Certification Date _____
Field Report Preparation Date _____

CONSULTANT SEAL

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

August 14, 1989

RE: Permit No. 34-7219

Janet Richardson
15373 Bear Island Dr.
Idaho Falls, ID 83402

Dear Ms. Richardson:

Enclosed is a refund of the trust water re-advertisement fee which you submitted for the above referenced permit.

Review of the information you submitted along with other information available to the department has provided sufficient evidence that the irrigation component of the permit was developed prior to July of 1985. Permits developed by this date are exempt from the review requirements of Section 42-203D, Idaho Code. This statute addresses those filings which were affected by the Swan Falls litigation and subsequent settlement.

I wish to thank you for your cooperation in this matter and apologize for any inconvenience caused by our request for information.

Sincerely,

TIM LUKE
Sr. Water Resource Agent

TL:sc

Enclosure

WHITE - State Auditor
 YELLOW - Remittance Advice
 PINK - State Auditor then Agency
 GOLDENROD - Agency Copy

EXPENDITURE VOUCHER

AUDITOR USE

STATE OF IDAHO
 Office of State Auditor

AGENCY USE

624
Date 08/01/89
Code 192002

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

AGENCY DEPT. OF WATER RESOURCES
 NAME

Document No 1014494	
Pre-Audit	Date AUG 4 - 1989
Warrant No	

CHECK ONE

PAY

LEET RIVER GEOTHERMAL

TO

RETURN WARRANT TO FISCAL

(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	76 10 190	1228	8831		REF. 14 7019 DEF. 11 1041 7 6 89 21.00	21.00	
TOTAL						21.00	

NOTE Final payment must be accompanied by a receiving copy

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.

Date

Head of Agency or Institution

State Auditor

MEMORANDUM

TO: FILE

FROM: TIM LUKE

RE: SWAN FALLS PROCESSING
PERMIT NO. 34-7219

DATE: 7-6-89

=====

The permit holder returned the trust water questionnaire and fee with documentation concerning irrigation use prior to July 1, 1985. This evidence includes: two affidavits from persons familiar with the operation and who had witnessed past irrigation; a farm lease agreement between landowner/permittee and tenant farmer covering the years 1981 through 1984 which specifically refers to water use expenses; power bills and receipts relating to well, pump, and irrigation supplies.

In addition to the above evidence, John McCleod of our office visited the state SCS office and reviewed 1984 NHAP photography which covers the irrigated lands described under this permit. The approximate 80 acres under the permit appear plowed and disked in that photo, which was taken on 9/13/1984. This provides evidence that a crop was harvested by that date and that the lands were irrigated. The permit holder submitted proof in 1989 for some 23 acres of irrigation. Review of the file indicates that some land has been taken out of irrigation and replaced with greenhouses which are used to grow roses for commercial sale.

Permits developed prior to July of 1985 are exempt from the review requirements of Section 42-203D. It appears that the 80 acre irrigation component under this permit was developed prior to July of 1985. Although the greenhouse irrigation apparently was not developed prior to 1986, we should assume, for the purposes of Swan Falls processing, that all of the permitted irrigation was developed prior to July of 1985 because a portion of the lands were taken out and replaced by commercial greenhouses.

Based on the above information, I recommend that the department exempt this permit from review requirements of 42-203D and remove the filing from the Swan Falls process list. The department should proceed with the field exam and licensing.

copy: Southern Region
EASTERN

RECEIVED

JUN 01 1989

Department of Water Resources

5/30/89

Atten. Tim Luke

Water Allocation / Trust Water

Our permit ~~has~~ was reinstated Jan 9, 1989. We are just waiting for a field examination.

I decided to submit documents showing proof of beneficial use prior to 85 for your records. The form requested a \$20.00 Readvertisement fee which is enclosed, check # 1051. However, as I understood ^{from} the letters this readvertisement won't be necessary since the permit is reinstated. If that's the case please return the check.

Thank-you

Janet L. Richardson

JAN 15 1992



State of Idaho

DEPARTMENT OF WATER RESOURCES

150 Shoup Ave., Suite 15, Idaho Falls, Idaho 83402 - (208) 525-7161

EASTERN REGION

CECIL D. ANDRUS
GOVERNOR
R. KEITH HIGGINSON
DIRECTOR

JUN 01 1989

February 6, 1989

Department of Water Resources

RE: Permit No. 34-07219

K.W. or Janet E. Richardson
15373 Bear Island Drive
Idaho Falls, ID 83402

Dear Permit Holder:

We acknowledge receipt of your statement submitted as proof of beneficial use for the above referenced permit. Please note the enclosed order pertaining to your permit.

Before a license can be issued, a field examination must be made by a representative of this Department.

A field examiner will contact you to arrange to examine your system.

If you have any questions regarding the field examination, please contact this office by phone at 525-7161, or in person in the third floor State Office Building, 150 Shoup, Idaho Falls, Idaho.

Sincerely,

KEITH C. WILSON
Sr. Resource Agent

KCW:CW

JAN 15 1989

RECEIPT
For Monies Paid
to the
Idaho Department of Water Resource

Receipt No: C004961

RECEIVED
JUN 01 1989

Date: 01/06/89
Time: 08:29:39

Department of Water Resources

Received

From: LOST RIVER GUTHERMAL

Type of Payment	Program Acct	Amount
PROOF OF BENEFICIAL USE 34-7219	0630122 1238 6490	\$50.00
	Total	\$50.00

CHECK 914

Idaho Department of Water Resources

Region: STATE

Signature: Christa Poncia

4-11-15-1989

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
TRUST WATER INFORMATION QUESTIONNAIRE

01 1989

Department of Water Resources

GENERAL INSTRUCTIONS: Please answer all questions thoroughly.
A separate questionnaire must be completed for each permit.

1. Permit number 34-7219.
2. Was the development or a portion of the development complete and water from the source identified under this permit used before July 1, 1985? Yes X No

If yes, the Department requests that you submit evidence showing the extent of your development existing on July 1, 1985. Evidence should at least include aerial photos (for developments of five acres or more) which are signed and dated by a local ASCS representative. Other evidence may include power records, irrigation equipment records or receipts, and affidavits from persons who are knowledgeable of your operation and dates of past water use. X see attached materials.

3. Are you still interested in developing or completing the development under your water right filing?
Yes X No
If no, please complete and return the attached relinquishment form.
If yes, please submit the required \$20.00 readvertisement fee.

4. If you answered yes to question #3, please indicate the number of acres you intend to develop. 10 acre greenhouses

5. Remarks: 5 acres outdoor cut flowers
10 acres aquaculture - tropical fish crayfish
20 acres - pasture grass
20 acres - upland game bird habitat was Tuatara
24 acres - specialty crops - mushrooms - tissue culture lab.

I hereby assert that the responses provided above are true to the best of my knowledge. I understand that any willful misrepresentations may result in voiding of the application or cancellation of the permit by the department.

Janet E. Richardson
Permit holder

5/30/89
Date

Address: 15373 Bear Ln, Dr
Idaho Falls, Idaho
83402

Phone (208) 522-5742

Lost River Geothermal Co
Rt 1 Box 149 A

527-8539 - greenhouse

Arco Idaho 83402
Please find #20.00 check # 1051 for readvertisement.
* Please find list and documents showing evidence of use.

Page 2

If you have questions concerning the content of this letter or about completing the forms, please contact Tim Luke at the address below or by calling directly at 334-7864. The enclosed forms and all other relative information must be returned within thirty (30) days to:

Idaho Department of Water Resources
Statehouse Mail
Boise, Idaho 83720
Attn: Tim Luke - Water Allocation/Trust Water

Please note that a copy of your permit is enclosed. The permit number is shown on the enclosed questionnaire.

Sincerely,

Timothy J. Luke
TIM LUKE
Sr. Water Resource Agent

RECEIVED

JUN 01 1989

Enclosures

Department of Water Resources

PS.

I have been in contact with the Dept of Water Resources & submitted a \$50.00 fee for renewal of my permit. According to our discussions all I'm waiting for is to have someone come out for an actual inspection.

Letter from Keith C Wilson Feb 6, 1989
Sr. Resource Agent

Topic - field examination of water use.

Letter from L Glen Saxton, Chief Jan 9, 1989
Water Allocation Bureau

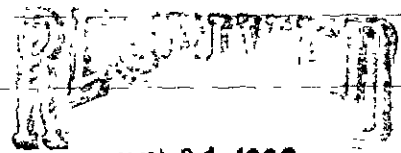
Topic - Permit #34-7219 be
reinstated & priority advanced to July 4, 1978.

From Janek E. Richardson

Attached documents showing proof of
beneficial use.

- Exhibit
1. Membership in Lost River Elect Co-op Inc.
 2. Lost River Elect power bills 1983, 84, 85
 3. Receipt for underground 8" mainline - Collins ¹⁹⁸¹
excavation work, Falls Pump - plumb well to line.
 4. Receipt for 60 hp Hitachi pump + motor for
well from Farmers Pump. 1981
 5. Receipt for Irrigation hand lines 1982.
 6. Receipt for geothermal well drilling consultant ¹⁹⁸¹
 7. Receipt for pulling up + replacing ~~the~~ ^{the} ~~one~~ 60 hp
pump 1982.
 8. ~~the~~ Copy of Farm lease agreement with
Chris Bleak 1982.
 9. Copy of letter from Lost River Elect 1982
 10. Affidavit of witness of water use from
Gary A. Richardson + Larry Fransen

JAN 15 1982



JUN 01 1989

Certificate

Exhibit 1

THIS CERTIFIES THAT A MEMBERSHIP IN

LOST RIVER ELECTRIC COOP., INC.

hereinafter called the "cooperative"

JUN 01 1989

Department of Water Resources

IS HELD BY JANET RICHARDSON

IN WITNESS WHEREOF the Cooperative has caused this certificate to be signed by its President and Secretary and its corporate seal to be hereunto affixed this 13th day of July, 1981

**CORPORATE
SEAL**

Wiley F. Smith President.
Charles R. Brundage Secretary.



(Conditions of membership stated on back)

LOST RIVER ELECTRIC COOPERATIVE, INC.

MACKAY, IDAHO 83251

PHONE 588-3311

PLEASE REGISTER ANY INQUIRY OR COMPLAINT AT ABOVE ADDRESS OR CALL 588-3311

Exhibit #2

RETURN THIS PORTION WITH PAYMENT

Janet Richardson

c/o Aramco

P. O. Box 8190 Udhailiyah

Dhahran, Saudi Arabia

ACCOUNT NUMBER	DUE DATE	IF PAID BY DUE DATE - PAY	AFTER DUE DATE - PAY
02969-01E	8-31-83	393.60	402.59

RETURN THIS PORTION WITH PAYMENT

LOST RIVER ELECTRIC COOPERATIVE, INC.

MACKAY, IDAHO 83251

PHONE 588-3311

PLEASE REGISTER ANY INQUIRY OR COMPLAINT AT ABOVE ADDRESS OR CALL 588-3311

	READING	KWH	AMOUNT
PREVIOUS	58907	DEMAND	51
CURRENT	59415	508	89.92
Arrears			303.68

Service to: 20th of August

ACCOUNT NUMBER	DUE DATE	IF PAID BY DUE DATE - PAY	AFTER DUE DATE - PAY
02969-01E	8-31-83	393.60	402.59

KEEP THIS PORTION

LOST RIVER ELECTRIC COOPERATIVE, INC.

MACKAY, IDAHO 83251

PHONE 588-3311

PLEASE REGISTER ANY INQUIRY OR COMPLAINT AT ABOVE ADDRESS OR CALL 588-3311

	READING	KWH	AMOUNT
PREVIOUS	62265	DEMAND	52
CURRENT	62822	557	123.44
CREDIT			-10.00

SERVICE TO: 20TH OF SEP

ACCOUNT NUMBER	DUE DATE	IF PAID BY DUE DATE - PAY	AFTER DUE DATE - PAY
02969-01E	9-30-85	122.30	134.10

KEEP THIS PORTION

LOST RIVER ELECTRIC COOPERATIVE, INC.

MACKAY, IDAHO 83251

PHONE 588-3311

PLEASE REGISTER ANY INQUIRY OR COMPLAINT AT ABOVE ADDRESS OR CALL 588-3311

	READING	KWH	AMOUNT
PREVIOUS			
CURRENT			
Balance of Yearly Contract			42.03

Service to: 20th of Dec.

ACCOUNT NUMBER	DUE DATE	IF PAID BY DUE DATE - PAY	AFTER DUE DATE - PAY
02969-01E	12-31-84	42.03	46.23

KEEP THIS PORTION

LOST RIVER ELECTRIC COOPERATIVE, INC.

MACKAY, IDAHO 83251

PHONE 588-3311

PLEASE REGISTER ANY INQUIRY OR COMPLAINT AT ABOVE ADDRESS OR CALL 588-3311

	READING	KWH	AMOUNT
PREVIOUS	00125	DEMAND KW	10.
CURRENT	00130	5.	4.09
ARREARS			10.00

LOST RIVER ELECTRIC COOPERATIVE, INC.

MACKAY, IDAHO 83251

PHONE 588-3311

PLEASE REGISTER ANY INQUIRY OR COMPLAINT AT ABOVE ADDRESS OR CALL 588-3311

	READING	KWH	AMOUNT
PREVIOUS	00130	DEMAND KW	0.032
CURRENT	00575	445.	12.01
CREDIT			-0.11

SERVICE TO: 20TH OF NOV

ACCOUNT NUMBER	DUE DATE	IF PAID BY DUE DATE - PAY	AFTER DUE DATE - PAY
0296901E	11/30/81	14.09	14.50

SERVICE TO: 20TH OF JUN

ACCOUNT NUMBER	DUE DATE	IF PAID BY DUE DATE - PAY	AFTER DUE DATE - PAY
0296901E	06/30/82	11.90	13.09

KEEP THIS PORTION

Exhibit #2 continued.

LOST RIVER ELECTRIC COOPERATIVE, INC.
MACKAY, IDAHO 83251 PHONE 588-3311

PLEASE REGISTER ANY INQUIRY OR COMPLAINT AT ABOVE ADDRESS OR CALL 588-3311

	READING	KWH	AMOUNT
PREVIOUS	60984	DEMAND KW 52.	
CURRENT	61215	231.	96.64
CREDIT			-14.53

SERVICE TO: 20TH OF SEP

ACCOUNT NUMBER	DUE DATE	IF PAID BY DUE DATE - PAY	AFTER DUE DATE - PAY
0296901E	09/30/84	82.11	90.32

KEEP THIS PORTION

LOST RIVER ELECTRIC COOPERATIVE, INC.
MACKAY, IDAHO 83251 PHONE 588-3311

PLEASE REGISTER ANY INQUIRY OR COMPLAINT AT ABOVE ADDRESS OR CALL 588-3311

	READING	KWH	AMOUNT
PREVIOUS	60984	DEMAND KW 52.	
CURRENT	60984		0.00
CREDIT			209.39

SERVICE TO: 20TH OF DEC

ACCOUNT NUMBER	DUE DATE	IF PAID BY DUE DATE - PAY	AFTER DUE DATE - PAY
0296901E	12/31/83	277.00	277.00

KEEP THIS PORTION

LOST RIVER ELECTRIC COOPERATIVE, INC.
MACKAY, IDAHO 83251 PHONE 588-3311

PLEASE REGISTER ANY INQUIRY OR COMPLAINT AT ABOVE ADDRESS OR CALL 588-3311

	READING	KWH	AMOUNT
PREVIOUS	62877		
CURRENT	62877		211.72

pl 2/3/6

Service to: 20th of Dec.

ACCOUNT NUMBER	DUE DATE	IF PAID BY DUE DATE - PAY	AFTER DUE DATE - PAY
02969-01E	12/31/85	211.72	232.89

KEEP THIS PORTION

311.33 TOS

LOST RIVER ELECTRIC COOPERATIVE, INC.
MACKAY, IDAHO 83251 PHONE 588-3311

PLEASE REGISTER ANY INQUIRY OR COMPLAINT AT ABOVE ADDRESS OR CALL 588-3311

	READING	KWH	AMOUNT
PREVIOUS	60486	DEMAND KW 0.	
CURRENT	60486		262.63
CREDIT			-17.73

SERVICE TO: 20TH OF DEC

ACCOUNT NUMBER	DUE DATE	IF PAID BY DUE DATE - PAY	AFTER DUE DATE - PAY
0296901E	12/31/83	244.90	269.39

KEEP THIS PORTION

[illegible]

Lloyd Collins, Jr.
Box 336 - Gro, Idaho

83213

Apr 28 82

Garret Richardson 1894

2190 Collins Ave

Idaho Falls, Idaho 83213

\$250.00

Dig & backfill
trench, and
install 8" pipes.

Thanks!

RECEIVED
JUN 01 1939

Department of Water Resources

Page 8

SHIPPED TO *Same*

TO Janet Richardson
2190 Collins Ave.
Idaho Falls, Idaho 83401

ORDER NO.	YOUR ORDER NO.	SALESMAN	TERMS <i>Net 30 Days</i>	SHIPPED VIA	PPD OR COLL.
TITY	DESCRIPTION			PRICE	AMOUNT
	<i>install 4" pipe, valves and fittings at Deco</i> <i>paid by ch. #107 material & labor</i> <i>P.L. 12.781</i>				<i>#701</i> <i>18</i>

FARMERS PUMP



Appendix

No. 04519

& SUPPLY CO.

Exhibit # 4.

PUMPS
IRRIGATION EQUIPMENT
AND INSTALLATION
SERVICE

866 MILLIGAN ROAD • 522 - 8317
P.O. BOX 1814
IDAHO FALLS IDAHO

NAME <i>Janet Richardson</i>			DATE <i>7-28</i> 19 <i>81</i>			
ADDRESS <i>2159pm 640 head ft</i>			ORDER TAKEN BY			
SALE TAX NO						
ORDERED	B O	SHIPPED	DESCRIPTION	LIST	DISC	NET
<i>1</i>			<i>60 HP - 8" Rile Pump 8"</i>			<i>6487.61</i>
			<i>factory</i>			<i>75.00</i>
<i>500'</i>			<i>4" galv pipe</i>		<i>4.2</i>	<i>43.00</i>
<i>2</i>			<i>4" check valve</i>			<i>280.60</i>
<i>1</i>			<i>4" nipple</i>			<i>7.50</i>
<i>1</i>			<i>4" x 1" Tee</i>			<i>34.50</i>
<i>1</i>			<i>6 x 4 reduce</i>			<i>36.50</i>
<i>1</i>			<i>6" nipple x 12"</i>			<i>41.00</i>
<i>1</i>			<i>1 1/4 x 10" x" well plate</i>			<i>70.00</i>
<i>510'</i> <i>560'</i>			<i># 2 wire</i>			<i>1860.00</i>
<i>1</i>			<i>30 440 V 60 HP panel</i>			<i>314.00</i>
			<i>phase failure, lighting, ammeter, surge capacitor</i>			
			<i>Time delay -</i>			
			<i>labor & misc.</i>			<i>452.00</i>
			<i>Should expect factory reproduction</i>			<i>14,619.94</i>
			<i>3 weeks delivery</i>			
			<i>Take 2 1/2 times normal running amp</i>			
			<i>to start the motor.</i>			
			<i>\$7000.00 when pump arrives</i>			
			<i>balance upon completion</i>			

INVOICE

DEALER ORDER

FARMERS PUMP



& SUPPLY CO.

PUMPS
IRRIGATION EQUIPMENT
AND INSTALLATION
SERVICE

866 MILLIGAN ROAD • 522 - 8317
P.O. BOX 1814
IDAHO FALLS, IDAHO

DATE 11-11-1951

Exhibit #4
Continued

CUSTOMER <i>James P. ...</i>			ORDER TAKEN BY <i>...</i>		
ADDRESS <i>...</i>			CALLED IN BY <i>...</i>		
LOCATION <i>...</i>					
NATURE OF WORK					
CREW		QUAN	MATERIAL USED	UNIT PRICE	AMOUNT
TRUCK USED		1	600 - ...		
END MILEAGE					
START MILEAGE		4	3' - 4' ...		
TOTAL MILEAGE		2	4" ...		
DATE COMPLETED		2	4" ...		
LABOR - MILEAGE - RIG TIME					
HRS.	NO OF MEN AND PRICE	AMOUNT			
		1			
		1			
		1			
		1			
		1			
MILES	PRICE PER MILE	TOTAL LABOR			
		51.20			
HRS	RIG TIME PRICE	TOTAL MILEAGE			
		42.4			
		TOTAL RIG TIME			
I certify that the property which I have here purchased will be used by me for the following purpose: ☐ Directly, and primarily in the process of producing tangible personal property by mining, manufacturing, processing, or farming. ☐ To pump the equipment or machinery described below which is being directly and primarily used in the process of producing tangible personal property and would be exempt from application of sales tax if it being purchased.			RECEIVED JUN 01 1959 Department of Water		
SIGNATURE OF PURCHASER <i>X</i>			SALES		
			SALES		
			ROTAXES		
			LABOR		
			MILEAGE		
			RIG TIME		
			TOTAL		
TERMS CASH OR APPROVED CREDIT. Unless specifically authorized, payment shall be due not later than the 10th of the month following work completion. Payment made later than this date shall be considered overdue and shall be subject to 1 1/2% per month carrying charge, which is 18% per annum, until paid. Purchaser further agrees to pay any costs incurred in collecting the overdue account and if suit be filed or other legal proceedings taken, that he will pay a reasonable attorney's fee and costs of any such proceedings. If an officer of the company makes a collection call there will be a charge of \$5 made. I ACCEPT ABOVE CONDITIONS & TERMS, WORK APPROVED BY SIGNATURE By <i>X</i>					

Exhibit #3



RAIN FOR RENT, INC.
P.O. BOX 1743 PHONE (208) 522-4500
IDAHO FALLS, IDAHO 83401

CUST. NO. 7716
Date 7-7 1982

INVOICE NUMBER
9803355

CHARGE

JANET RICHARDSON

TO

2190 CALKINS

IDAHO FALLS, IDAHO 83401

CUSTOMER'S
ORDER NO.

LOCATION

RENTAL NO.

SALE

BILLED FROM

TO

PAY FROM THIS INVOICE

QUANTITY	WOSCO PART NUMBER	DESCRIPTION	CODE	NEW USED	PRICE	UNIT	TOTAL
440		ft. 4X40 WL X B-L	1	U	1 72	ft.	756 80
19		455-40 SHURRANE GASKETS	2	N	1 36	ea	25 84
11		3/4 X 24" NUTS	3	N			INC
11		"30 RAINBIRDS	4	N			INC
1		"30 RAINBIRD	5	N	6 25	ea	36 25
2		RAINBIRD ARMS	6	N	5 97	ea	11 94
1		4" B-L	7	N	4 99	ea	4 99
1		4" SRVL	8	N			61 83
1		can pipe dope	9	N			1 09
			10				
			11				
			12				
			13				
			14				
			15				
			16				
			17				
			18				
			19				
			20				
			21				
			22				
			23				
			24				
			25				

Pd. check # 123

W.O. # 223631

INVOICE

9803355

TERMS: NET 30 DAYS A LATE CHARGE OF 1 1/2% PER MONTH (AN ANNUAL
PERCENTAGE RATE OF 18%) WILL BE MADE ON PAST DUE ACCOUNTS.
FREIGHT IS CHARGED FROM OUR YARD

ANY DAMAGE OR LOSS TO THE DESCRIBED PROPERTY, OR TO OTHER PROPERTY (IN
CLUDING BUT NOT LIMITED TO CROP LOSSES) REGARDLESS OF CAUSE WHILE UNDER
CUSTOMER'S POSSESSION OR CONTROL SHALL BE CUSTOMER'S SOLE LIABILITY AND
CUSTOMER WILL SAVE THIS COMPANY HARMLESS THEREON

X

GOODS RECEIVED BY:

SUB TOTAL

SALES TAX

PAY THIS AMOUNT

868 74

0

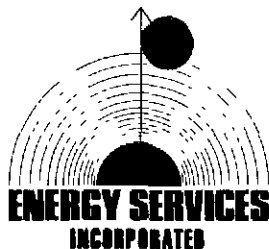
868 74

ABOVE LISTED MATERIAL SUB-
REVERSE SIDE OF THIS FORM.

JECT TO THE TERMS AND

CONDITIONS LISTED ON THE

Exhibit #6.



ENERGY SERVICES, INC.
A Forsgren-Perkins Engineering Subsidiary
Energy Engineering and Development
Two Airport Plaza 1084 North Skyline Drive
Idaho Falls, Idaho 83401
(208) 529-3064

To: Janet & William Richardsen
2190 Calkins Ave.
Idaho Falls, ID 83401

Date February 10, 1981

Amount Due \$ 125.00

For Services Through 1/21/81

782007

Project Number

STATEMENT

Page 10

To assure proper credit, please detach the upper portion of this statement and return with remittance.

Date of This Statement: February 10, 1981

Previous Balance Due (reflects payments made to date):	November	\$ 75.00
Current Charges: From <u>12/26/80</u> To <u>1/25/81</u>		
Kunze Consulting relative to geothermal well drilling on January 21, 1981.		\$ 50.00
RECEIVED JAN 01 1981 Department of Water Resources		
Total Current Charges		\$ 50.00
Total Due		\$ 125.00

Approved: [Signature]

*2/14/81
check # 1242*

ENERGY SERVICES, Inc Two Airport Plaza, 1084 North Skyline Dr., Idaho Falls, Idaho 83401 (208)529-3064

A FINANCE CHARGE is computed by a periodic rate of 1 5% per month which is an ANNUAL PERCENTAGE RATE OF 18% applied to the previous balance after deducting the payments and credits appearing on this statement. To avoid finance charges, pay the last amount shown on the statement by the end of the month.

Exhibit # 2.

FALLS PUMP REPAIR & MACHINE SHOP

RT 8 BOX 167
IDAHO FALLS, IDAHO 83401
523-9881

SOLD TO

Janet Richardson

INVOICE
NO.

No 09270

INVOICE
DATE

7-22-82

SHIPPED
TO

OUR ORDER NO	YOUR ORDER NO	SALESMAN	TERMS	SHIPPED VIA	PPD OR COLL
QUANTITY	DESCRIPTION			PRICE	AMOUNT
	Pull & set 500 FT 4" PIP & 60 HP Motor Replaced with new 60 HP motor				
	parts & labor				\$1953 ⁰⁰
	paid by ck #140				\$
					\$1953 ⁰⁰

m

FARM LEASE AGREEMENT

This lease is entered into this first day of June 1982
Between Christopher L. Bleak the tenant, and Janet and K.W.
Richardson, the landlord of the Richardson farm.

The landlord agrees to lease approximately 70 acres under
the following terms and agreements.

1. The tenant will pay all of the water expenses and dues
during the period of time he uses it on the crops.
2. The landlord will receive one half of the hay crop and
pay one half of the fertilizing and twine expenses.
3. The landlord will receive one third of the grain crop
and pay one third of the fertilizing expenses. The landlord will
pay for the chemicals used in weed control and the tenant will
pay for the application of the weed control chemicals on the crop
land
4. The acreage of crops and the crop land on which grown
may be adjusted within the year or from year to year by mutual
agreement.
5. This farm lease agreement covers the period between
June 1, 1982 until Dec. 31 1984.

Landlord and tenant have signed this farm lease agreement
on; the first day of June 1982.


Janet Richardson
landlord

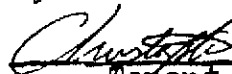

Christopher L. Bleak
tenant

Exhibit #9.



P O BOX 417
MACKAY, IDAHO 83251
208 - Telephone 588 3311

Lost River Electric Cooperative, Inc.

December 16, 1982

Janet Richardson
c/o Aramco
P.O. Box 8190 Udhailiyah
Dhahran, Saudi Arabia

Dear Mrs. Richardson:

We are now in the process of billing your accounts the necessary amounts to meet the 1982 Yearly Guarantees. Your mobile will still have a credit of \$4.00 that can be applied toward the 1983 billings. The yearly guarantee on your mobile home service has been increased to \$207.00 effective with the 1983 billings. The basic facility charge has been increased to \$6.00 a month and the charge per KWH will now be .027¢ each.

We have not received payment from Chris Bleak for the 60 H.P. pump. This account has a past due balance of \$1326.31 as of the November 20th billings. This includes the billings on this pump from June through October 1982. It was necessary to bill your account \$422.26 to meet the 1982 yearly guarantee. This account now has a balance due of \$1748.57, which will be due December 31, 1982 to avoid penalty.

We have contacted Mr. Bleak concerning this past due balance, but to date we have not received payment. As you are aware, the ultimate responsibility for this account is yours. If you feel that Mr. Bleak should prepay this pump in any future year that he uses it, please advise us and we will request it from Mr. Bleak.

The yearly guarantee on the pump will remain the same for 1983 as it is based on the cost of construction. The basic facility charge on this account has also been increased to \$6.00 a month and the charge per KWH will also be .027¢ effective with the January 20th billings.

If you have any questions concerning these billings, please let us know.

Sincerely yours,

LOST RIVER ELECTRIC COOPERATIVE, INC.

Linda Kimball, Cashier

AFFIDAVID OF WITNESS
OF WATER USE IN
BUTTE COUNTY IDAHO

I, LARRY FRANSEN, PERSONALLY
OBSERVED GARY D. RICHARDSON
AS HE OPERATED THE 60 HP WELL
AND PUMP AT NE $\frac{1}{4}$ of SE $\frac{1}{4}$ of SECTION 9
TOWNSHIP 3 N RANGE 27 E DURING THE
IRRIGATION SEASONS OF 1983, 1984 & 1985,
FOR THE PURPOSE OF NURSERY CROP IRRIGATION

SIGNED Larry Fransen date 3-13-89

WITNESS Gary Richardson date 3-12-89

AFFIDAVIT OF
WATER USE IN BUTTE COUNTY
IDAHO

I, GARY D. RICHARDSON, OPERATED
THE GO HIP WELL & PUMP FOR
THE PURPOSE OF A ^{NURSERY} ~~WATER~~ CROP IRRIGATION
AT NE $\frac{1}{4}$ of SE $\frac{1}{4}$ of SECTION 9
TOWNSHIP 3N RANGE 27E for the
periods SEPT/OCT 1982, MAY THRU SEPT 1983
MAY THRU SEPT 1984 AND MAY THRU SEPT 1985

Signed Gary D. Richardson date 3-13-84

Witness Gary D. Richardson date 3-13-84

February 6, 1989

RE: Permit No. 34-07219

K.W. or Janet E. Richadson
15373 Bear Island Drive
Idaho Falls, ID 83402

Dear Permit Holder:

We acknowledge receipt of your statement submitted as proof of beneficial use for the above referenced permit. Please note the enclosed order pertaining to your permit.

Before a license can be issued, a field examination must be made by a representative of this Department.

A field examiner will contact you to arrange to examine your system.

If you have any questions regarding the field examination, please contact this office by phone at 525-7161, or in person in the third floor State Office Building, 150 Shoup, Idaho Falls, Idaho.

Sincerely,

KEITH C. WILSON
Sr. Resource Agent

KCW:CW



State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720 - (208) 334-7900

CECIL D. ANDRUS

GOVERNOR

R. KEITH HIGGINSON

DIRECTOR

January 30, 1989

RE: PERMIT NO. 34-7219

Dear PERMIT HOLDER:

Due to the Swan Falls litigation, development proposed by the enclosed permit may have been delayed. The Department is presently reviewing the permit and may authorize completion of development proposed under the permit.

The purpose of this letter is to determine: (1) the extent of development under the permit, and (2) your continued interest in developing or completing development under the permit.

Enclosed are two forms which will help the Department expedite the reprocessing of the permit.

Please complete and return the enclosed questionnaire if you wish to continue with your plans of development or have completed all or a portion of your development before July 1, 1985.

Please complete the enclosed relinquishment form and return it to the Department if you have abandoned or have no interest in continuing with your plans for development of the project.

If the entire project was not completed prior to July 1, 1985, and you still wish to proceed with your plans of development, then you must submit a \$20.00 re-advertisement fee to the Department as required by Water Appropriation Rule 4,2,3. and Section 42-221F, Idaho Code.

Failure to return the questionnaire and pay any required re-advertisement fee within thirty (30) days of the date of this letter is cause for the Department to cancel the permit.

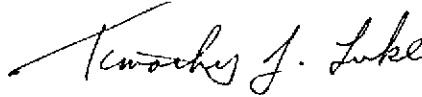
Page 2

If you have questions concerning the content of this letter or about completing the forms, please contact Tim Luke at the address below or by calling directly at 334-7864. The enclosed forms and all other relative information must be returned within thirty (30) days to:

Idaho Department of Water Resources
Statehouse Mail
Boise, Idaho 83720
Attn: Tim Luke - Water Allocation/Trust Water

Please note that a copy of your permit is enclosed. The permit number is shown on the enclosed questionnaire.

Sincerely,

A handwritten signature in cursive script, reading "Timothy J. Luke". The signature is written in dark ink and is positioned above the printed name and title.

TIM LUKE
Sr. Water Resource Agent

Enclosures

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
TRUST WATER INFORMATION QUESTIONNAIRE

GENERAL INSTRUCTIONS: Please answer all questions thoroughly.
A separate questionnaire must be completed for each permit.

1. Permit number 34-7219.
2. Was the development or a portion of the development complete
and water from the source identified under this permit
used before July 1, 1985? Yes _____ No _____

If yes, the Department requests that you submit evidence
showing the extent of your development existing on July 1,
1985. Evidence should at least include aerial photos (for
developments of five acres or more) which are signed and
dated by a local ASCS representative. Other evidence may
include power records, irrigation equipment records or
receipts, and affidavits from persons who are knowledgeable
of your operation and dates of past water use.

3. Are you still interested in developing or completing the
development under your water right filing?
Yes _____ No _____
If no, please complete and return the attached relinquishment
form.
If yes, please submit the required \$20.00 readvertisement fee.
4. If you answered yes to question #3, please indicate the
number of acres you intend to develop. _____

5. Remarks: _____

I hereby assert that the responses provided above are true to the
best of my knowledge. I understand that any willful
misrepresentations may result in voiding of the application or
cancellation of the permit by the department.

Permit holder _____

Date _____

Address: _____

Phone (____) _____

1/88

PROOF OF BENEFICIAL USE

ANALYSIS SHEET

Permit No. 57 2-1-1

Date: 1 2 5

General Considerations:

 Name same as permit
 Signature the same as permit holder
 Address change If yes, prepare a data entry
 Proof received timely
 Reinstated

Source of Water:

 Surface water
 Groundwater
 1. well log in file
 2. drilling permit
 A. amount of drilling fee paid for proposed uses

Extent of Use and Rate of Diversion:

 Rate of diversion appropriate for uses
 Is rate or volume and fee appropriate?
 Has permit holder indicated when water was first put to a beneficial use?

Measuring Device:

 Is a measuring device or access port required?
 Has one been installed?
 Waiver or modification of measuring device requested

Remarks:

*Transcript of permit - 1-1-1
A. amount of drilling fee paid for proposed uses*

Priority Calculation:

Date proof received	<u>1 2 5</u>	<u>57</u>
Date proof due	<u>1 2 5</u>	<u>-</u>
No. of days late		<u>=</u>
Priority date	<u>1 2 5</u>	<u>+</u>
NEW PRIORITY DATE	<u>1 2 5</u>	<u>=</u>

SEND FILES TO DATA ENTRY AND THEN TO MICROFILM

RECEIVED

JAN 05 1989

34-7219

Department of Water Resources

12/30/88

Attn: Rita Fleck,

In our last phone conversation you indicated that an additional \$50.00 was required for our water right license.

Please find the enclosed check # 914, for \$50.00 to add to the previous check for \$50.00, a total of \$100.00, for the proof of beneficial use fee.

Janel E Richardson

December 14, 1988

K. W. and Janet Richardson
15373 Bear Island Dr.
Idaho Falls, ID 83402

Dear Mr. and Mrs. Richardson:

Re: Permit No. 34-7219

Returned is the proof of beneficial use form along with your check No. 247 in the amount of \$150. The fee is in excess of the amount needed for 220 gpm.

The conversion rate for gallons per minute to cubic feet per second is 0.0023 times gpm. The licensing exam fee is based on the rate of flow.

The next question is how much is the flow. If the capacity of the pump presently installed is 60 gpm and that is adequate and to the extent you wish to submit proof of beneficial use, then indicate the amount on the proof form and adjust the fee accordingly. A water right license can be recommended for the amount of diversion the pump produces at the time of the field inspection.

In the future should you decide to install the larger pump, you will need to submit another application for permit for that amount of water diverted greater than what the license will be issued for. You may wish, however, to install the larger pump now to get a license for the maximum use of water, but again the field inspector will only recommend for licensing that amount of water actually put to a beneficial use.

If cannot tell what is adequate for your operation. However, if you have questions, please contact me or the Southern Regional office in Twin Falls at 734-3578.

Please try to have this matter addresses prior to January 1, 1989.

Sincerely,

RITA I. FLECK
Secretary/Records Manager

Enclosure

c: Acct. Sec.

Janet E Richardson
15373 Bear Island Drive
Idaho Falls, Idaho 83402

RECEIVED
DEC 09 1988

12/7/88
Department of Water Resources

State of Idaho
Dept of Water Resources
Statehouse
Boise, Idaho 83720

Dear Sir;

I need to submit proof of beneficial use for our water permit #34-7219. We recieved an extension in 1983 and that extension ends 1/1/89.

We have continued to develop our use of the water since 1983. In 1986 we returned from Saudi Arabia and began building our greenhouse complex. We have in place an 1800 sq ft Shop (sorting room, refrigeration unit, tank room + garage) a 3000 sq ft greenhouse for growing cut roses, a 8 x 35' trailer house, and a 3720 sq ft greenhouse for growing gerberas daisies is more than half way completed. All of this developement is dependant upon the geothermal water from our well.

In the shop, all of the plumbing (pumps, pipe diameters, tanks, etc)

and all of the electrical capacity and refrigeration capacity is in place for 4 rose houses plus the shop. We have a 60 hp pump which puts out somewhere between 220 + 250 gpm. Each rose house takes about 50 gpm to heat so when we built the shop + present rose house we built the system to handle 4 houses.

We had a pump failure + had to pull the 60 hp pump. Due to the length of time required to rebuild the submersible pump we purchased a smaller 20 hp + that pump is in place at the moment. It puts out around 100 gpm.

Do I have to submit my permit for only 100 gpm?

I have the 60 hp pump on the premises + fully repaired. Gene Wright of Falls Pump + Repair can verify that I have used the 60 hp pump from 1981 - 1986. He installed it originally...and pulled it again in 1986 for repairs.

Physical inspection of any

complex will verify that the system is designed for 220-250 gpm pump. Mr Ray Gould, mechanical engineer will also verify that the system he designed for us is for 4, 30 x 100' greenhouses using 220 gpm of water.

I would like to submit my permit for the 60 hp pump. Can I do so?

My current water usage is as follows.

Rose house	50 gpm
Shop	20 gpm
Gerberas Daisey house	20 gpm
plus 50 gpm of 80° water from rose house	

Trailer house	5-10 gpm
---------------	----------

3 acres of field grown cut flowers, annuals	220 gpm
---	---------

perennials + dried's
33 sprinklers, 1/4 mile line.
watered twice weekly

1 acre Upland Game Bird winter habitat	220 gpm
watered once weekly	

I also have barried water lines in place for a 20'x40' greenhouse which is designed to use 20 gpm April through Oct.

This coming spring we will be building a 2nd rose house and a 3rd rose house in 1990. At that time I will have to pull the 20 hp pump and put the 60 hp pump back in the well.

Since we have used the 220 gpm pump for 6 years, and the entire developement thus far, is designed for a minimum of 220 gpm capacity, I would appreciate receiving a permit for that capacity.

Sincerely,

Janet E. Richardson

Attached newspaper artical will help verify my statements,

Geothermal rose business in production

One of the Lost River Valleys' newest and most modern industries has gone into full production.

Lost River Geothermal Company, operated by Janet Richardson, is a geothermal greenhouse operation located on an 80-acre tract of land south of Butte City.

The first roses produced by the operation went on display in Arco last week, when Janet Richardson presented two dozen roses to Diana Jensen, proprietor of the Arco Florist, at a meeting of the Butte County Chamber of Commerce on Friday, November 20.

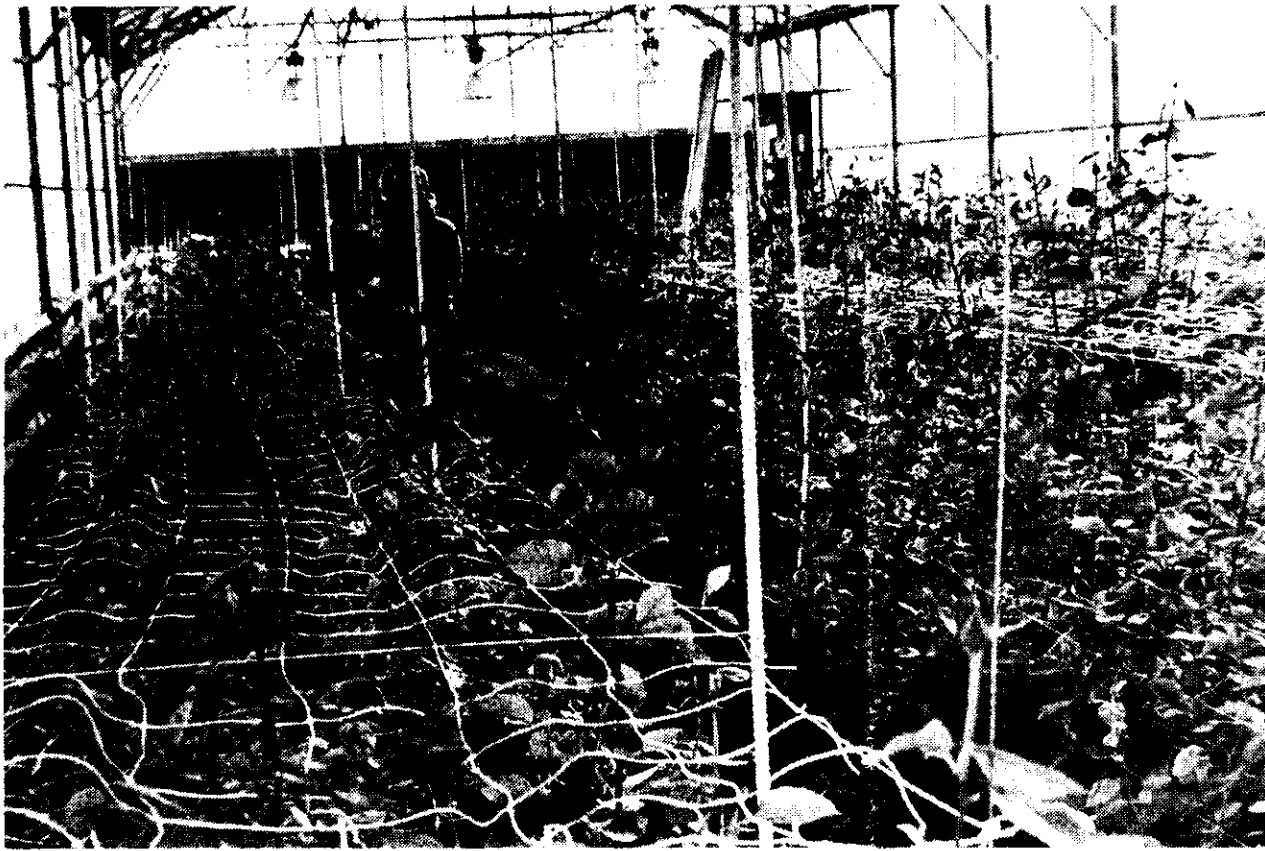
The first two dozen roses were presented to Clyde and Anita McAfee, from whom the land was purchased by Bill and Janet Richardson in 1978.

The second bunch of two dozen roses went to John and Judy Schluter of Mackay, whose Double J Electric Company was responsible for the intricate electrical system which controls the climate in the 3000 square foot greenhouse. Mrs. Richardson said that Mr. Schluter had spent a lot of extra time and effort to make sure that everything worked perfectly in the system.

Another bunch of the roses was on display in The Arco Advertiser office for over a week.

The first roses were planted during the week of August 15-22, and the rose greenhouse is now able to produce about fifty dozen roses each week, which will be distributed through 28 retail outlets in East Idaho.

A short history of this first commercial application of geothermal water in the Arco area shows that Bill



THE INTERIOR OF THE 3000 SQUARE FOOT GREENHOUSE operated by Lost River Geothermal Co.,

and Janet Richardson began the project in 1978 by purchasing the 80-acre tract on which the enterprise is located.

A good deal of advanced planning went into the project, with the

Richardsons working closely with the former Butte County Development Association in making the necessary contacts, and Mrs. Richardson says that the friendly welcome and cooperation they found in this area played an important part in their decision to locate the business in this area.

A well and pump was developed in 1980 and finally the shop and greenhouse was built in 1986-87.

The shop is designed to operate four greenhouses 30'x100', with one currently in operation. The greenhouse contains 1500 rose bushes leased from the developing growers, capable of supplying fifty dozen roses weekly for the wholesale market.

Roses produced by Lost River Geothermal Company are of two special varieties, developed for their special beauty and their ability to keep and "perform" under market conditions. Varieties produced are Royalty and Samantha, the two leading patented red roses in the industry.

The automated greenhouse gives the plants as near a perfect environment as economically possible. Correct temperature, humidity, carbon dioxide, water, soil fertility and continuous air circulation provide the optimum growing conditions.

Heating in the winter is accomplished by pumping 102 degree geothermal water from the well into an insulated storage tank. The warm water then flows through copper pipe with fins to radiate the heat into the greenhouse. This method of heating is calculated to be one-third less expensive than providing heat with propane or electricity. Combined with the number of sunny winter days in this area, the construction of the greenhouse takes advantage of the sunlight, making this area economically feasible for the cut rose production.

During the past summer, Mrs. Richardson experimented with flowers that dry well for winter arrangements also. She said these dried plant materials could become a good sideline along with the rose business, and could provide an opportunity for limited employment in the area with dry flower arrangement.

The geothermal greenhouse provides plenty of work for Mrs. Richardson, who also works with Waddell and Reed, a financial planning firm in Idaho Falls, in the forenoon, devoting her afternoons to work in the greenhouse.

The roses require constant attention. The top branches of the bushes must be "pinched", removing the top leaves to encourage lower plant growth and set flower stems. 900 stems are pinched each week, Mrs. Richardson said, with about 600 blooms cut per week on eight week intervals.

When roses are cut they are placed in a 3.5 pH citric acid solution to change the water from alkaline to mildly acidic. Research shows that stems take water much faster in low pH water. After cutting, the roses are refrigerated for six hours or overnight, then sorted according to bloom quality and stem length into three categories. They are then bundled in 25s for wholesaling, the traditional method of handling for the trade.

The major part of Lost River Geothermal's rose market is presently in the Blackfoot and Idaho Falls area.

As the market develops, Mrs. Richardson said, it is hoped that it will be feasible to add three more greenhouses to the system in 1988 and 1989.

Before developing the Lost River Geothermal Company and going into the wholesale cut rose business, Mrs. Richardson was a teacher for 20 years. Since then she has developed a number of useful talents, including gardening, managing an intricate electrical system, installing and repairing copper plumbing, and keeping abreast of soil and controlled environmental systems, and marketing.

The Lost River Valleys area welcomes this new enterprise into the economic and social structure of the area.

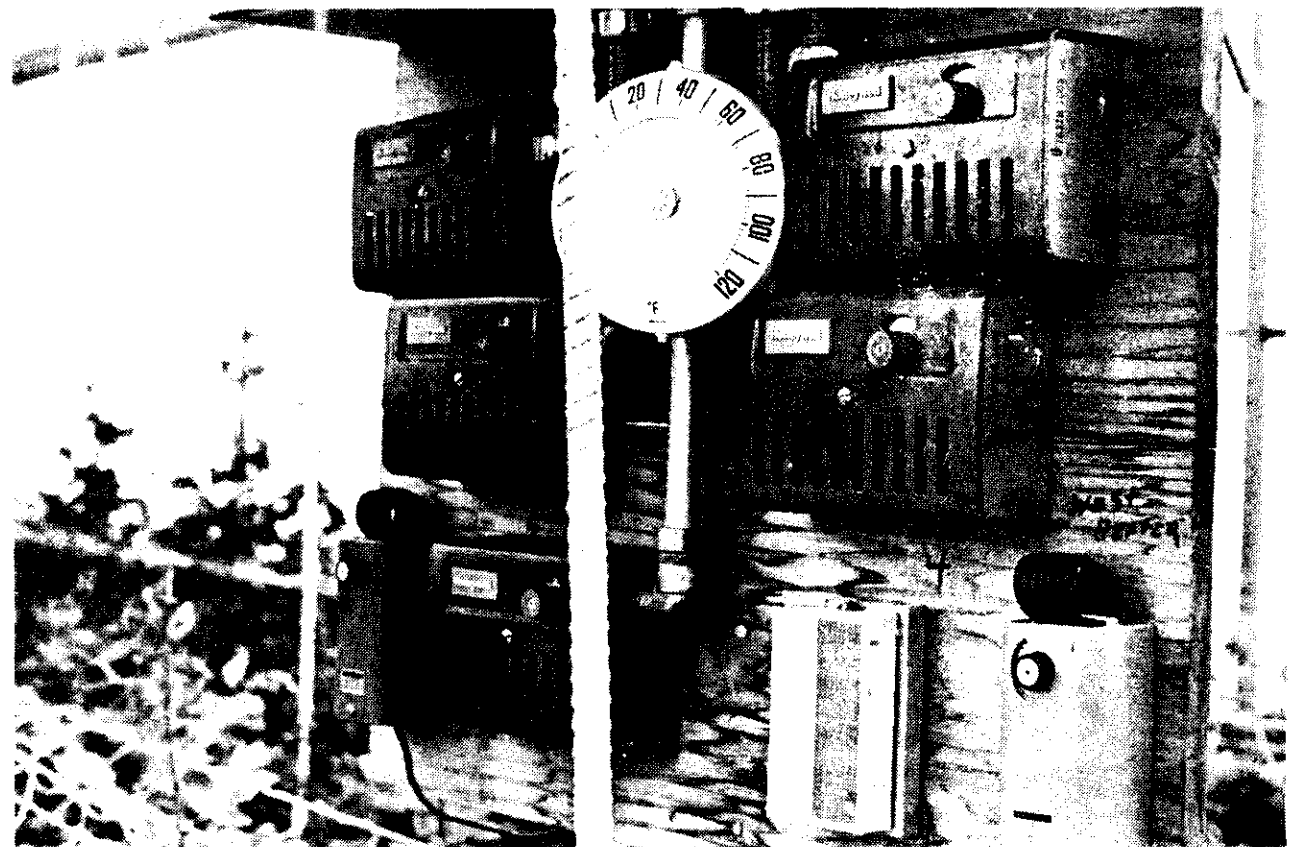
THANK YOU

Thanks for the get well cards, gifts, visits and prayers while I was in the hospital.

John Wanstrom



A VASE OF LOCALLY GROWN ROSES—This beautiful vase of roses grown by Janet Richardson at her Lost River Geothermal greenhouse at Butte City was on display at the Arco Advertiser office for over a week. The roses had been in the office for five days when pictured.



THE HEART (OR BRAINS) OF THE OPERATION—The climate of the greenhouse is closely controlled, with geothermal water furnishing the heating, with irrigation and fertilization minutely controlled and carbon dioxide introduced to provide an almost perfect environment for growing the roses. The control panel and apparatus shown

controls the environment. The shop and equipment controlling the operation are designed to handle four greenhouses of the size now in operation, and Mrs. Richardson hopes to be able to expand the operation in 1988 and 1989.



MRS. RICHARDSON PREPARING TO CUT ONE OF THE ROSES—She said the 1500 patented rose bushes in her greenhouse are capable of producing fifty dozen beautiful red Royalty and Samantha roses weekly.



ROSES ARE REFRIGERATED for six hours or overnight before grading and preparing for delivery. Roses are kept in a slightly acid solution of citric acid to improve their ability to absorb water. Mrs. Richardson spends every afternoon working in the greenhouse.

Pre-Christmas SPECIALS

Prices Effective December 3-5, 1987

Western Family Salad & Seashell Macaroni 22 oz. 10 Pad Box SOS Pads 40 oz. Sunlight Automatic Dishwashing Detergent Brawny Paper Towels 85¢ Carnation Tuna In water only Assorted Squeezit \$1.65 9.5 oz. Nabisco Tiscuit 5 oz. Libby's Vienna Sausage 59¢ 2 lb. Bag Idahoan Mashed Potatoes \$1.89 6 oz. Assorted Jell-o 69¢ Cream of Mushroom Soup 2 for 89¢ 16 oz. EL Fudge Cookies \$1.85 15 oz. Toasty O's Cereal \$1.49 Kraft Macaroni & Cheese 2 for \$1.00 15 oz. Western Family Chili 63¢ 46 oz. Western Family Tomato Juice 85¢	Tacobake & Sloppy Joe Hamburger Helper \$1.09 3 lb. Western Family Buttered Shortening \$1.69 CRISP CRUST Party Pizza Totino's Pizza \$1.45 12 oz. Western Family Apple Juice 79¢ Roman Meal Harvest Recipe Bread 99¢ 1 lb. Velveeta Cheese \$1.95 D'Anjou Pears 39¢ lb. Red & Green Delicious Apples 39¢ lb. Texas Grapefruit 5/ \$1.00 Cucumbers 4/ \$1.00 Rib Steak \$2.39 lb. Bulk Sausage \$1.59 lb. 10 oz. Fresh Oysters \$3.83 lb.
---	--

C & L Market

Moore, Idaho Phone 554-4779

STORE HOURS — 8 a.m. to 7 p.m.

October 31, 1988

K. W. RICHARDSON
JANET RICHARDSON
15373 BEAR ISLAND DR.
IDAHO FALLS, ID 834020000

138680

PROOF DUE NOTICE

RE: PERMIT NO. 34-07219

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 January 1, 1989. (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

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
COMMENCEMENT OF WORKS

Permit No 34-7219
Name(s) of Permit Holder(s) K.W. or Janet Richardson
Post Office Address: 2190 CALKINS AVE
IDAHO FALLS ID 83402 Tel. No. _____

☒ I hereby certify that construction of diversion works for the above referenced permit began on July 1980 (date) **RECEIVED**
I understand that I must continue to develop the water system with due diligence to maintain a valid permit.

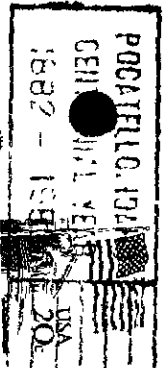
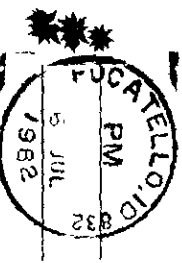
☐ I hereby certify that construction of diversion works on the above referenced project has not yet begun due to the following reason beyond my control*:

*Note: A financing difficulty is not an acceptable reason.

6 July 1982
Date

Janet Richardson
Signature of Permit Holder

K. W. RICHARDSON
2190 CALKINS AVE.
IDAHO FALLS, IDA.
83401



can pass 1019M to Juawitredag

8 7M



RECEIVED

FEB 08 1989

DEPT

IDAHO DEPARTMENT OF WATER RESOURCES

STATEHOUSE

BOISE, IDAHO 83720



State of Idaho

DEPARTMENT OF WATER RESOURCES

STATE OFFICE 450 W. State Street, Boise, Idaho

CONFIDENTIAL

Mailing Address:
Statehouse
Boise, Idaho 83720
(208) 334-4440

3 KENNETH JOHN

November 12, 1985

Re: Permit No. 34-7219

K. W. or Janet Richardson
c/o Judy Gillis
P.O. Box 335
Pomcroy, WA 99347

Dear Mr. and Mrs. Richardson:

The Department letter to you dated September 1, 1985 was intended to provide you with some information only. The letter did not require you to do anything.

The information we wanted to convey to you is as follows:

1. On July 1, 1985, an amended statute identified as 42-203D became effective. It essentially says that permits for which development was not complete by July 1, 1985 will be reviewed by the Department.
2. If by chance a project was completed by July 1, 1985, the permit holder should submit the proof of beneficial use, even though it might not be due yet under the terms of the permit, in order that the Department would know that the permit is not subject to the review requirements of Section 42-203D, Idaho Code.

In your particular case, proof of beneficial use is not due until January 1, 1989. The permit is in good standing and there is nothing you presently need to submit to the Department.

If you have questions, please feel free to contact the Department.

Sincerely,

L. Glen Saxton
L. GLEN SAXTON
Chief, Operations Bureau

RECORDED

MAR 09 1988

Is

cc: Eastern Region

RECEIVED

NOV 4 1985

27 OCT 1985

KILL OR JANET RICHARDSON

10% JUDY GILLIS

P.O. BOX 335

PERMEROY, WA 99347

REF. WATER PERMIT No 34-7219

CHIEF OPERATIONS BUREAU Department of Water Resources

DEPT OF WATER RESOURCES

STATE OF IDAHO

GENTLEMEN

WE RECENTLY RECEIVED YOUR LETTER DATED SEPT 1, 1985 CONCERNING RECENTLY REVISED IDAHO CODES FOR REVIEW OF WATER PERMITS FOR PROJECTS NOT COMPLETED PRIOR TO JULY 1, 1985.

OUR PROJECT IS PARTIALLY COMPLETE AND WE HAVE BEEN IRRIGATING GRASS AND NURSERY TREES WITH WATER FROM THE PERMIT SINCE 1982. THE PERMIT WAS EXTENDED TO JAN 1989 ON NOV 21, 1983. SINCE WE ARE PRESENTLY COMPLETING A WORK ASSIGNMENT OUTSIDE THE COUNTRY, WE ARE NOT AWARE OF THE NEW IDAHO CODE REQUIREMENTS. WE PLAN TO RETURN NEXT YEAR TO COMPLETE THE PROJECT.

WILL YOU PLEASE ADVISE US AS TO WHAT IS REQUIRED TO CONTINUE THE WATER PERMIT AS EXTENDED. A COPY OF THE "REQUEST FOR EXTENSION OF TIME" IS ENCLOSED.

MICROFILMED

MAR 09 1988

VERY TRULY YOURS

KILL OR JANET RICHARDSON

THE DE JURET KENNEDY
BOX 14/103

16/11/63, 21/11/63

BY AIR MAIL
PAR AVION



CHIEF, OPERATIONS DIVISION

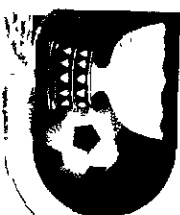
DEPT OF WATER RESOURCES

SERVICE OF PUBLIC

STATEMENTS

13/11/63, 16/11/63 8-3720

U.S.A.



16-2
1005

RECEIVED

NOV 4 1985

Department of Water Resources

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

Received 11-21-1983
Date 11-21-1983
Receipt # 35790

REQUEST FOR EXTENSION OF TIME

To provide additional time in which to submit
proof of beneficial use on a water right permit

Send to { care of Judy Gillis

K.W. or Janet Richardson of P.O. Box 335
Pomeroy, Wash. 99347

(Name)
c/o Aramco
P.O. Box 1408
Abqala, Saudi Arabia
state of Saudi Arabia, deposes and says:

That he is the holder, or the duly authorized agent of the holder*, of Permit to Appropriate the Public Water of
the State of Idaho No. 34 - 7219

That under the terms and conditions of said permit, work thereunder was required to be completed on or before

Jan. 1, 1984

That he has heretofore performed the following work described under said permit. Drilled 8'4" casing, 8'96"
(This must be filled out if no work has been completed put none)
well, installed 60 hp pump, buried 1120' of 8" mainline, purchased
1400' aluminum handline, planted 2600 tree seedlings, ran power
lines, installed culverts & fencing, cropped 40 acres
in 1982. Costing \$85,000.00

That he is unable to complete the remainder of the work within the required time for the following reasons, to-wit:

Lack of fund, high interest rates in the spring of 82; we are
here in Saudi Arabia both working to accumulate \$110,000.00
by 1985-86 to complete this project. Still to be completed
is the building of the greenhouses, workshop, & transplant
of the tree seedlings into the Bird Habitat waste water disposal area.

Wherefore, he asks that the Department of Water Resources extend the time for the completion of obligations

under said permit to Jan. 1, 1989.
(1 yr. minimum, 5 yrs. maximum)

NOTE
AS OF JULY 1, 1980,
THERE IS A \$15.00
CHARGE FOR REQUESTS
FOR EXTENSION OF
TIME.

Please find
enclosed
check #2462

Janet Richardson
(Signature)*

*IF OTHER THAN HOLDER, Power of Attorney must be supplied

ACTION OF THE DIRECTOR, DEPARTMENT OF WATER RESOURCES

IT IS HEREBY ORDERED that the above application for extension of time be APPROVED and the time within
which to submit the statement of beneficial use is extended to January 1, 1989.

Signed this 12th day of December

MAR 09 1988

J. Glen Saxton
Chief, Operations Bureau

1502



State of Idaho

DEPARTMENT OF WATER RESOURCES

STATE OFFICE, 450 W. State Street, Boise, Idaho

JOHN V. EVANS
Governor

A. KENNETH DUNN
Director

Mailing address:
Statehouse
Boise, Idaho 83720
(208) 334-4440

SEPTEMBER 1, 1985

DEAR PERMIT HOLDER:

ACCORDING TO OUR RECORDS, YOU ARE THE HOLDER OF A WATER PERMIT ON WHICH PROOF OF BENEFICIAL USE OF WATER WAS NOT SUBMITTED BEFORE JULY 1, 1985, WHICH INDICATES YOUR PROJECT IS NOT COMPLETE. THEREFORE, YOU NEED TO BE AWARE OF CHANGES IN IDAHO LAW, EFFECTIVE JULY 1, 1985, WHICH IMPACT ALL WATER PERMITS ISSUED BY THIS DEPARTMENT.

SPECIFICALLY, PURSUANT TO SECTION 42-203D, IDAHO CODE, THE DEPARTMENT MUST REVIEW ALL PERMITS FOR WHICH DEVELOPMENT OF WATER USE WAS NO COMPLETED ON OR BEFORE JULY 1, 1985, TO DETERMINE IF THEY MEET THE NEW REQUIREMENTS OF CHAPTER 2, TITLE 42, IDAHO CODE. RULES AND REGULATIONS GOVERNING THE RE-EVALUATION OF PERMITS ARE NOT YET FINALIZED. HOWEVER, IF YOU COMPLETED THE DEVELOPMENT UNDER YOUR PERMIT BEFORE JULY 1, 1985, YOU SHOULD SUBMIT A PROOF OF BENEFICIAL USE STATEMENT, STATING THAT THE PROJECT WAS COMPLETED BEFORE JULY 1, 1985 SO THAT YOUR PERMIT WILL NOT BE SUBJECT TO THE REVIEW REQUIREMENTS OF SECTION 42-203D, WHICH READS AS FOLLOWS:

42-203D. REVIEW OF PERMITS - OPPORTUNITY FOR HEARING. - (1)THE DEPARTMENT SHALL REVIEW ALL PERMITS ISSUED PRIOR TO THE EFFECTIVE DATE [JULY 1, 1985] OF THIS SECTION, EXCEPT TO THE EXTENT A PERMIT HAS BEEN PUT TO BENEFICIAL USE PRIOR TO JULY 1, 1985, TO DETERMINE WHETHER THEY COMPLY WITH THE PROVISIONS OF CHAPTER 2, TITLE 42, IDAHO CODE. IF THE DEPARTMENT FINDS THAT THE PROPOSED USE DOES NOT SATISFY THE CRITERIA OF CHAPTER 2, TITLE 42, IDAHO CODE, THEN THE DEPARTMENT SHALL EITHER CANCEL THE PERMIT OR IMPOSE THE CONDITIONS REQUIRED TO BRING THE PERMIT INTO COMPLIANCE WITH CHAPTER 2, TITLE 42, IDAHO CODE. IF THE DEPARTMENT FINDS THAT THE PERMIT SATISFIES THE CRITERIA ESTABLISHED IN CHAPTER 2, TITLE 42, IDAHO CODE, THEN THE DEPARTMENT SHALL ENTER AN ORDER CONTINUING THE PERMIT.
(2)THE DEPARTMENT SHALL PROVIDE AN OPPORTUNITY FOR HEARING IN ACCORDANCE WITH SECTION 42-1701A, IDAHO CODE, AND SECTIONS 67-5209 THROUGH 67-5215, IDAHO CODE, FOR EACH HOLDER OF A PERMIT THAT IS PROPOSED EITHER TO BE CANCELLED OR MADE SUBJECT TO NEW CONDITIONS.

YOU MAY OBTAIN PROOF OF BENEFICIAL USE FORMS FROM THE DEPARTMENT. IF YOU HAVE ANY QUESTIONS, PLEASE LET US KNOW.

SINCERELY,

L. GLEN SAXTON
CHIEF, OPERATIONS BUREAU

RECEIVED

MAR 09 1986

December 13, 1983

K. W. or Janet Richardson
c/o Judy Gillis
P. O. Box 335
Pomeroy, WA 99347

Dear Mr. and Mrs. Richardson:

Re: Permit No. 34-7219

Enclosed is a copy of the approved request for extension of time. The time within which to submit the statement of beneficial use postcard is extended to January 1, 1989.

In connection with the development of a water right under this permit, the Department wishes to call to your attention an Idaho Supreme Court decision issued in November 1982 which likely could affect your future use of water.

The decision in the case of Idaho Power Company vs the State of Idaho, et al stated in part that Idaho Power Company's use of water for power generation purposes at the Swan Falls dam on the Snake River is not subordinated to upstream depletion by later-in-time uses. The question of whether Idaho Power's 8,400 cfs water right at Swan Falls dam has been diminished by subsequent development, however, was remanded back to district court for determination. The findings of the district court could restrict water availability or require compensation to Idaho Power Company for uses developed later in time than Idaho Power Company's water right at Swan Falls dam.

Sincerely,

RITA I. FLECK
Secretary/Records Manager

Enclosure: Ext. of Time

cc: Mr. & Mrs. Richardson

STAFF REVIEW OF REQUESTS FOR EXTENSION OF TIME

Permit Number 34-7219

Y Date Received stamp

Y Fee receipted

Y Name on request same as on permit

N Address same as on permit

Y Proof due date correct

Y Period of request correct

Y Signature same as on permit

Y First extension request

Y Permit holder named as defendant in 1983 Idaho Power lawsuit - *ISC letter*

Y Is extension filed before proof due date?

Date extension received _____

Proof due date - _____

Days late _____

Priority date _____

Adjusted priority date _____

___ Is delay caused by litigation?

Date litigation began _____

Date litigation completed _____

Period of delay _____

New proof due date _____

Y Is there commencement of works?

___ Cover letter number

___ Rolodex card updated

Remarks: *Ext granted based on due diligence*

Reviewed by: *Rita*

Date: 12-13-83

MICROFILMED



State of Idaho

DEPARTMENT OF WATER RESOURCES

STATE OFFICE, 450 W. State Street, Boise, Idaho

JOHN V. EVANS

Governor

A. KENNETH DUNN

Director

Mailing address:

Statehouse

Boise, Idaho 83720

(208) 334-4440

EXTENSION OF TIME

November 22, 1983

Janet and W.W. Richardson
Jawliyyah, Saudi Arabia
c/o Judy Gillis
P.O. Box 335
Pomeroy, IA 50347

PERMIT NO. 34-7210

We are in receipt of the \$25 extension fee for Extension(s) of Time to provide additional time in which to submit proof of beneficial use on a water right permit.

Your request for extension(s) of time is being reviewed by staff. You will be informed of our decision when review has been completed.

Enclosed is our receipt No. 22720

Roberta Garrett
Records Supervisor

MICROFILMED

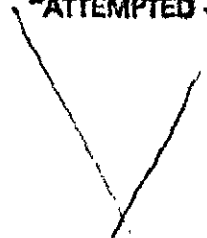
Enclosure

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
Statehouse
Idaho 83720

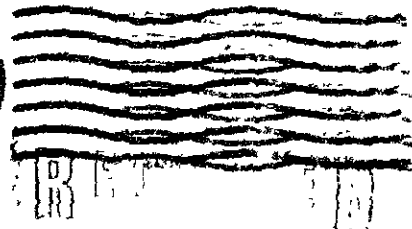
RECEIVED



"ATTEMPTED - NOT KNOWN"

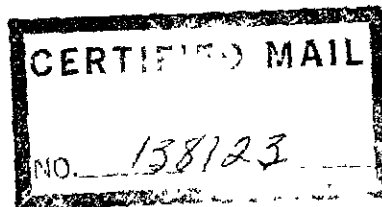


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ATR
CG

NO. 33



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

STATEHOUSE
BOISE, IDAHO 83720
(208) 334-4440
CERTIFIED MAIL

RICHARDSON, K. W. & JANET
2190 CALKINS AVE.
IDAHO FALLS, ID 83401

PROOF DUE NOTICE

OCTOBER 31, 1983

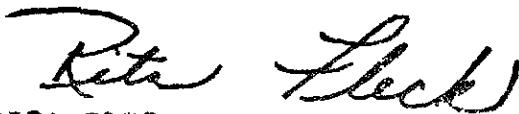
DEAR PERMIT HOLDER:

ONE OF THE CONDITIONS OF APPROVAL OF YOUR WATER PERMIT NO. 34-7219 WAS THAT PROOF OF THE EXTENT OF YOUR BENEFICIAL USE MUST BE SUBMITTED TO THIS OFFICE ON OR BEFORE JANUARY 01, 1984. (SEE LAST PAGE OF YOUR APPROVED PERMIT OR YOUR LAST APPROVED EXTENSION REQUEST). ENCLOSED IS A POSTCARD WHICH 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, MORE THAN ONE EXTENSION OF TIME CAN BE GRANTED. AN EXTENSION OF TIME REQUEST FORM IS ENCLOSED FOR YOUR CONVENIENCE.

EITHER THE BENEFICIAL USE POSTCARD OR A 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

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

STATEHOUSE
BOISE, IDAHO 83720
(208) 334-4440
CERTIFIED MAIL

138123

RICHARDSON, K. W. & JANET
2190 CALKINS AVE.
IDAHO FALLS, ID 83401

PROOF DUE NOTICE

OCTOBER 31, 1983

DEAR PERMIT HOLDER:

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SINCERELY,

RITA FLECK
SECRETARY/RECORDS MANAGER

ENCLOSURES

MICROFILMED



State of Idaho

DEPARTMENT OF WATER RESOURCES

STATE OFFICE, 450 W. State Street, Boise, Idaho

JOHN V. EVANS
Governor

A. KENNETH DUNN
Director

Mailing address.
Statehouse
Boise, Idaho 83720
(208) 334-4440

January 21, 1983

RE: Permit No. 34-7219

K. W. &/or Janet Richardson
c/o Aramco
P.O. Box 8190
Udhailiyah, Saudi Arabia

Dear Mr. and Mrs. Richardson:

We are in receipt of your request for extension of time in which to submit proof to beneficial use of water under Permit No. 34-7219. Normally we do not accept requests for extensions submitted six months prior to the beneficial use date unless there is a reasonable cause for doing so.

The main reason for not accepting them is because the provisions of Section 42-204, Idaho Code, prevent the Department from granting more than five years per extension. If we were to process this request in January, 1983 we could not extend the proof due date past January, 1988. This would cause you to loose one year that could be used to complete the project.

The Department will send you a notice sixty days prior to January 1, 1984 that proof to beneficial use is due. You can submit either a completion of works card or request for an extension of time at that time.

Enclosed is your extension request form and \$15.00 Check No. 2370, 92-42/1241. If you wish to have us process the request now, please return it with an explanation why your early processing is necessary. If you have any questions please let us know.

Sincerely,

by [signature] Jim Johnson
JIM JOHNSON
Water Distribution Supervisor

JJ:kw
Enclosures

MICROFILMED

ACT
ION

FIRST NAME - K. W.

FIRST NAME - JANET

N OWNER LAST NAME - RICHARDSON

N OWNER LAST NAME - RICHARDSON

N ADDRESS LINE 1 - 2190 CALKINS AVE.

CITY - IDAHO FALLS

STATE - ID ZIP CODE - 83401

N SOURCE - GROUNDWATER

N STAGE - PERMIT

PRIORITY - 06-30-1978

COUNTY - BUTTE

TOTAL DIV. RATE -

1.6000CFS

N DIVERSION POINT - NESE 09 03N 27E

N FROM - 04-01 TO - 11-01 USE - IRRIGATION

USE DIV. RATE - 1.6000CFS

N FROM - 01-01 TO - 12-31 USE - STOCKWATER

USE DIV. RATE - .0300CFS

N FROM - 01-01 TO - 12-31 USE - DOMESTIC

USE DIV. RATE - .0800CFS

IDENT. NO. 34-7219

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

WATER RIGHT
DATA ENTRY LOG[illegible]

January 25, 1978

K. W. and Janet Richardson
2190 Calkins Avenue
Idaho Falls, ID 83401

Dear Mr. and Mrs. Richardson:

Re: Application for Permit No. 34-7219

Enclosed is a copy of your approved Application for Permit No. 34-7219 along with a copy of the Memorandum Decision and Order. We direct your attention to the conditions of approval as set forth in the Order.

Be sure to note the special condition requiring you to install an access prot or other device to provide for the installation of measuring equipment by the Department. The Department will provide specifications for the installation to you.

Any person who does not agree with the decision of the Department may request a rehearing before the Director within 29 days, or may appeal directly to the district court within 60 days of the date of the decision.

Sincerely,

L. GLEN SAXTON
Chief, Operations Bureau

LGS:rf

Enc: App. for Permit
Mem. Dec. & Order

cc: protestants
(see certificate of mailing)

*Access Prot
Letter sent
5/1/79
Glen Saxton*

MICROFILMED

UNITED STATES POSTAL SERVICE
San Francisco, California 94101

DEAR POSTAL CUSTOMER:

The enclosed mail was processed at the Undeliverable Mail Branch for the reason(s) indicated below:

- ☒ Because of the steadily increasing volume of letters entering the mail stream bearing no postage, the postal service discontinued delivery of Unpaid Mail to the addressee effective November 17, 1974.

This matter is being returned to you because it was found in the U. S. Mail without postage affixed. This is contrary to Section 146.11, Postal Service Manual which requires that "Postage on all mail must be fully prepaid at the time of mailing....". This accounts for the ____ cents service charge and the delay in delivery. When mail is forwarded to the addressee because it did not contain a return address, any deficient postage is assessed.

- ☒ The enclosed letter was undeliverable as addressed and contained no visible return address. This accounts for the delay in return and the ____ cents service charge.

It is suggested that you place your complete return address including ZIP Code number in the upper left hand corner on the front side of envelopes mailed in the future. This will serve to expedite the return of undeliverable mail without charge.

210

John Taylor
Box 542
Butte City, CA 95920

POSTAGE DUE



REASON CHECKED

Unclassified ☐ Refused ☒

Address unknown ☒

Insufficient Address ☒

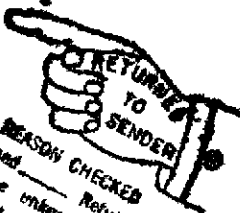
No such person or business ☒

No such place or place ☒

Do not remain in this envelope

RESOURCES

Unclaimed
Addressee unknown
Insufficient Address
No such street
No such office in state
Do not return in this envelope



REASON CHECKED

Refused

Act for CA

214
POSTAGE DUE

RECEIVED

FEB 2 1979

Department of Water Resources

John Taylor
Box 542
Butte City, ID

CA 95920

34-7219

Sent 2-5-79

John Taylor
Box 542

Butte City, CA 95920

January 4, 1979

K. W. and/or Janet Richardson
2190 Calkins Avenue
Idaho Falls, ID 83401

Dear Mr. and Mrs. Richardson:

Re; Application for Permit No. 34-7219

The Department is preparing to take final action on the above referenced application for permit. There appears to be two questions which yet need to be answered.

The first is that the award date by the U.S. Department of Energy on all proposals apparently was to be in December, 1978. Please advise us if you have been successful in receiving an award of grant monies for your project.

Also, please advise this Department of the temperature of the water you expect to obtain in the well.

Your prompt response to this inquiry will allow the Department to complete final action on the application.

If you have any questions regarding this matter, please contact us.

Sincerely,

L. GLEN SAXTON
Chief, Operations Bureau

LGS:rf

MICROFILMED

ARCO
Sept 25, 1979

34-7219

40

K.W. Richardson or Janet Richardson

^{space heating}
- 160 - Irrigation & Greenhouses

Production - Zone 900-1000

- Janet Richardson - wishes to
withdraw space heating request

Moved to area looking
for a place to obtain
set up geothermally heated
green-houses.

Wrote Proposal to D.O.E. for
assistance in developing
geothermal resources.

Financing - will supply
financial statement

Proposes to start out
w/well and two green
houses next year, additional
one each year thereafter.

- Mayor at Butte city
had problem w/well last
summer - it ran out of
500' up 11 - 464 pumping
level

MICROFILMED

Cities well ~ 93° this
summer

Richardson's looking for 170°
water

Cities well water 380 to
475'

Butte cities fire fighting
system

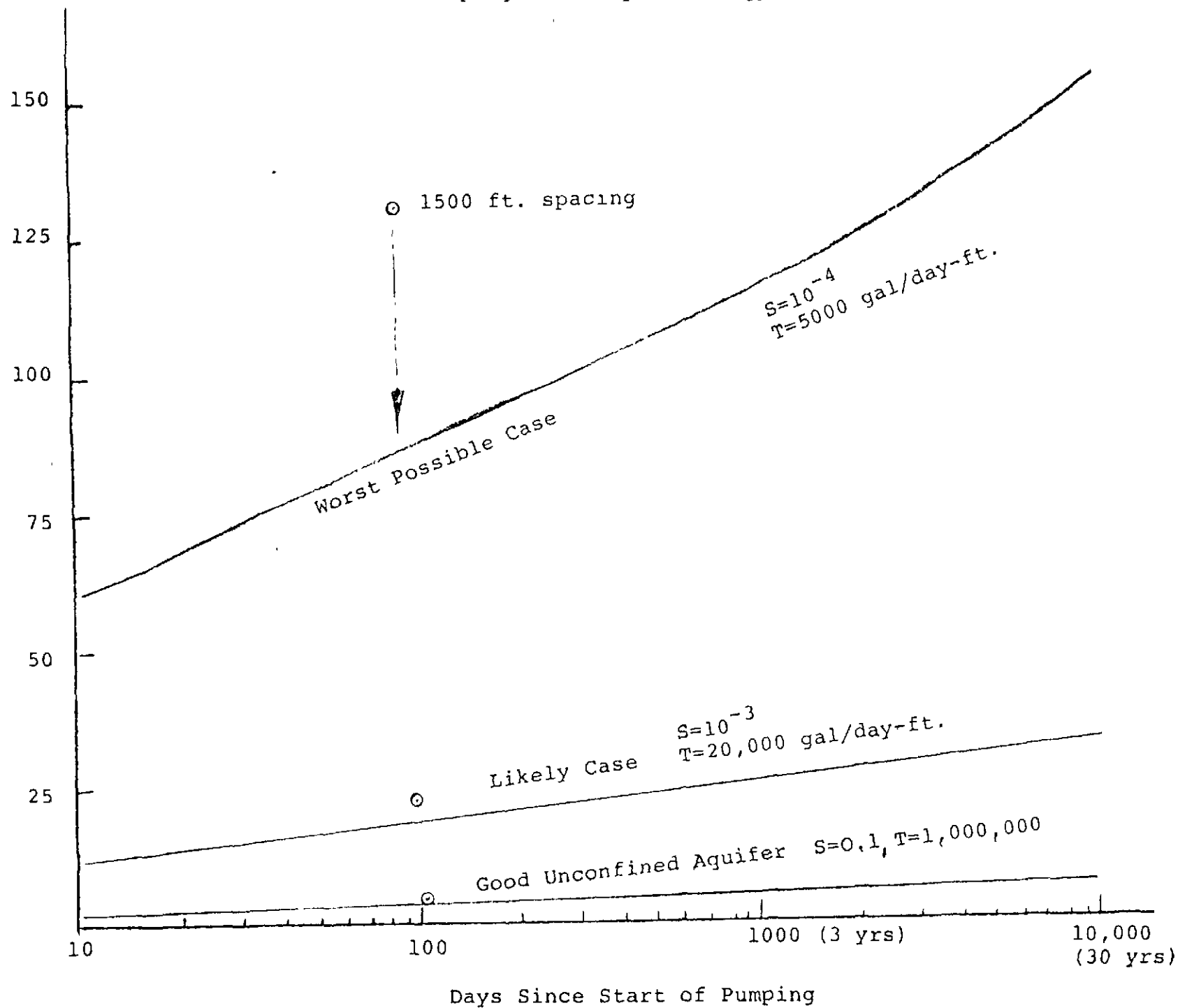
City — were troubled w/
Sand agreement

Harvey Walker 34-4029
well has been filled w/ sticks
1/4 mile from Richardson's
proposed well

City doesn't object to
appropriation if city water
supply is not interfered with.

DRAWDOWN vs. TIME 2300 ft. Away from a
Well Pumping Steadily at 500 gpm

Drawdown (ft), 2300 ft. away



NAME OF APPLICANT.....

Form No. 0

ASSESSORS RECORDS
LAND OWNERSHIP

Y. H. WALKER

DR
BARTER

9 Kermit
Richardson

SCALE: 2 Inches Equal 1 Mile. Draw Plan In Ink.

In The Matter of)
Protests against)
The granting of)
Application for)
Permit No. 34-7219)
In the Name of)
Kw. Richardson)
or Janet Richardson)

Stipulation
and
Agreement

We hereby agree to allow the
Dept. to reach a ~~decision~~ ⁱⁿ
this matter based upon the
information presented at the
conference and any additional
information contained in the
files of the Department.
We understand that any
decision can be appealed back
to the Department within
20 days or to the district
court within 60 days.

Signed at Arco, Idaho this
25th day of Sept. 1978

James H. Walker

Larry Quist Art Quist by Larry Quist

Harry C. Whiting

Kw. Richardson

Janet Richardson

Arco Memorial Building, Arco, Idaho

September 25, 1978 - 2:30 p.m.

ROSTER OF ATTENDANCE

Name	Address	Representing
R. THOMAS	BUTTE CITY	~~BUTTE CITY~~ BUTTE CITY
Arnold Heidman	Rt 1 Box 28	Butte city
Young H. Walker	Box 51 RT 1, Arco Idaho	WALKER Ranch
Larry Quist	Rt 1 Box 54 Arco	Self
Art Quist	" " "	Self
D. H. Pierce	RT 1 BOX 44A ARCO	"
R. R. Luce	Rt 1 Box 39 Arco	Self.
Harley C. Whiting	Box 102 ARCO	
Birney L. Phillips	RT. 1 Butte City	
Janet Richardson	2190 Calkins Ave Idaho Falls, IF	Self
L. W. Richardson	2190 Calkins IF.	Self
A. E. King	RT 1 Box 40 Arco	
Edith King	RT 1 Box 40 Arco	
Margaret Staker	Butte City, Idaho	
Mary Ann Heidman	Rt 1 Box 28 Butte City	
Kenneth W. Perrenoud	Butte city Rte 1.	
Anna B. Perrenoud	Butte city Rte 1.	
Don L. Stradley	Box 636 Arco Idaho	
Dora R. Stradley	Box 636 Arco Idaho.	
Clifford D. Ramsey	Rt #1, Box 34 Arco Idaho	
E. Staker	Box 571 Arco Idaho	

Name and
Address
of Sender

DEPARTMENT OF POSTAL SERVICES

EA 100-100-100
100-100-100
IDAMS FORM 3877, JANUARY 1973

Indicate type of mail:

☐ REGISTERED ☐ REGISTERED
☐ C.O.D. ☒ CERTIFIED

Affix stamp here if issued as certificate of mailing or for additional
copies of this bill.
POSTMARK AND DATE OF RECEIPT

NUMBER OF ARTICLE	NAME OF ADDRESSEE, STREET AND POST OFFICE ADDRESS	POSTAGE	FEE	REG FEE	POST AGE	ACTUAL VALUE	HANDLING CHARGE	REMARKS*
1	1077 Albert E + Edith King Rt 1 Box 40 Area Id 83213	15	80			Richardson		34-7219
2	1078 John Taylor Box 342 Butte City Area Id 83213							"
3	1079 c/o John Taylor Box 542 Butte City Area Id							"
4	1080 Richard Thomas Butte City Area Id							"
5	1081 William Z. Young Rt 1 Box 44 Area							"
6	1082 K.W. Richardson or Janet Richardson 2190 Collier St.							"
7	1083 Art Quist + Tony Quist Box 54 Area					Quist - T 34-0239/40		"
8	1084 Young Harvey Walker Box 49-B Area							"
9	1085 Harley C. Whiting Box 107 Butte City Area							"
10	1086 Mrs. Mary Ann Heidemanna Rt 1 Box 28 Area							"
11	1087 Mrs. Zerinda Kennedy Box 43 Rt 1 Area							"
12	1088 Cecil + Patricia Hamilton Rt 1 Box 38 Area							"
13	1089 R. H. Pierce Rt 1 Box 44-A Area Id							"
14	1090 Mrs. Jerry Z. Bowhay Rt 1 Box 37 A1 Area							"
15	1091 Kent S. Thorsen Rt 1 Box 43-C Area							"
16	1092 Charles H. Heidemanna Rt 1 Box 28 Area							"
17	1093 Clifford Ramsey Rt 1 Box 34 Area Id							"
18	1094 Mrs. Mrs. T. E. Staker Box 571 Area							"
19	1095 Burney Z. Phillips Rt 1 Butte City Area							"
20	1096 Anna R. Heidemanna Rt 1 Box 28 Butte City Area							"

TOTAL NO. OF PIECES
LISTED BY SENDER

20

TOTAL NO. OF
PIECES LISTED AT PO

20

POSTAGE PAID BY ADDRESSEE (if applicable)

R. L. Lafferty

* Show under "Remarks" class postage paid other than first or
if international

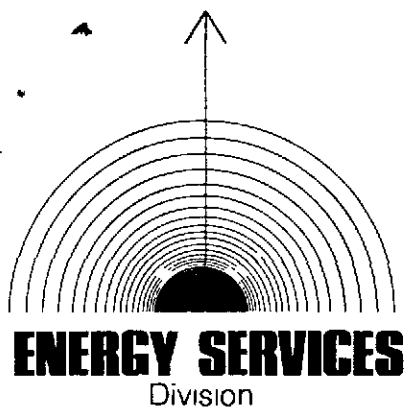
PS Form 3877, Dec. 1973

APPLICATION FOR REGISTERED, REGISTERED C.O.D. AND CERTIFIED MAIL

(Declaration of value is required on international registered mail)

* U. S. GOVERNMENT PRINTING OFFICE: 1974 O-528-728

FORM MUST BE MADE OUT IN INK OR BALL POINT PEN



September 22, 1978

Mr. and Mrs. K. W. Richardson
2190 Calkins Avenue
Idaho Falls, Idaho 83401

SUBJECT: WATER RIGHT APPLICATION HEARING

Dear Mr. and Mrs. Richardson:

You have made application for a water right to obtain ground water at a depth where there is significant temperature increase over ambient. This use should not interfere with existing water rights. The following addresses various questions that might be raised by those with existing water rights, principally the several wells within the Butte City limits.

Question: Is there sufficient water for the purposes intended? The intended purpose is to supply space heating and irrigation water for 20,000 ft² of greenhouse, plus possibly providing geothermal heat to the buildings in Butte City.

Answer: Your maximum economical needs for heat are 3×10^6 Btu/hr to be supplied by geothermal water or through ground-water heat pumps. This would serve your greenhouse needs down to temperatures as low as -20°F. (lower temperatures would require electric heat supplement) plus the 33 present buildings in Butte City. The greenhouse needs alone are 60% of this.

To supply these needs, the following flows are needed for the removal of the given amount of heat from the water:

Water Temperature Change		Flow
1)	10°F.	600 gallons/min.
2)	24°F.	250
3)	60°F.	100

FORSGREN / PERKINS & ASSOCIATES, P.A.

• Consulting Engineers •

350 North 2nd East, Rexburg, Idaho 83440 (208) 356-9201



Page 2
Mr. and Mrs. K. W. Richardson
September 22, 1978

Case 1 corresponds to either a very minimal geothermal temperature (105°F.), or what would be the effect of using ground water heat pumps operating from normal temperature wells for the Snake River Plain and its environs (50 to 50°F.).

Case 2 corresponds to a better geothermal situation ($\sim$ 125°F.) or lukewarm ground water wells ($\sim$ 80°F.) providing heat input to heat pumps.

Case 3 corresponds to the ideal geothermal situation, 180°F. to 200°F. water.

Normal irrigation wells in the Snake River Plain can be expected to deliver at least 1000 gpm. It is rare that flows of 600 gpm cannot be obtained with appropriate pumps.

Geothermal wells tend to produce from tighter formations with lower transmissivities (1000 to 9000 gal/day/ft. as compared to values 10 to 100 times as much for the irrigation wells). However, the Boise geothermal wells, producing from similar depths postulated for the Richardson well application, have transmissivities in the range of 50,000 gal/day/ft. Storage coefficients are not likely to change radically with depth for the relatively shallow depths (<1500 ft) being considered for these wells.

Summer irrigation requirements are well known to the Department of Water Resources, and will not be commented upon herein.

Question: Will this application injure existing water rights?

Answer: The nearest existing wells will be at least 1500 feet away. The attached curves show the interaction between wells that are 2300*feet apart if one well pumps continuously all year at 500 gpm, year after year. The results are shown for two extremes of subsurface hydrological conditions, which were considered isotropic (i.e., uniform in all horizontal directions). The third case is considered most likely.

I have not examined the anisotropic condition, for this is more likely to minimize the interaction between the wells, particularly for wells lined up perpendicular to the trend in the major fault planes of the region, as is the case of your wells with respect to the Butte City wells.

* A point is shown on each curve for the minimum 1500 ft. separation.

Page 3
Mr. and Mrs. K. W. Richardson
September 22, 1978

One of the Butte City wells is apparently not producing as well this year as it was 18 years ago. The comparisons reported are:

	<u>1960</u>	<u>1978</u>
Pump H.P.	20	15
Pump Rate	120 gpm	200 gpm
Draw Down	15 ft.	76 ft.
Time Since Start	3 hours	10 min.

In each case the static water level was presumably 395 ft. After the 1978 test, it took 15 to 20 min. for the water level to return to normal.

The 1978 test does not indicate a shortage of water in formation. It is the classic case of an extremely high resistance to flow in formation near the well bore. Since the formation at one time showed rather good transmissivity and storage, and the static water level did not change, then one must conclude that the present problem has nothing to do with the formation, but is one of a skin effect at the well bore. Hydrology defines this as a non-Darcy flow situation near the well. Presumably this condition can be corrected, restoring the well to its original condition. If the well is pumped heavily in this condition, it will draw down tremendously, but very little effect will be seen beyond the well for a long period of time, then drawdown in the other wells will begin to resemble what it would be with a normal well pumping.

SUMMARY:

It is my opinion that:

1. You have requested an appropriate amount of water for space heating, even if you do not obtain geothermal water and must use a heat pump (which is economical on Lost River Electric Coop power rates).
2. It is unlikely that your well will create a drawdown much more than 30 ft. in the Butte City wells, even if you pump steadily for 30 years at 500 gpm. Even a very terrible situation in the formation (which I do not think is at all likely) will create drawdowns of 114 ft. in 3 years, 151 ft. in 30 years. The pump test conducted by the driller in 1960 gave results

Page 4
Mr. and Mrs. K. W. Richardson
September 22, 1978

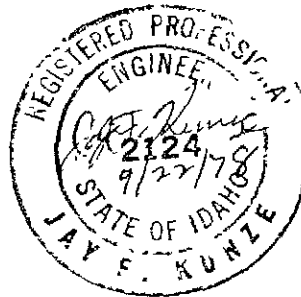
that indicated this formation was not too unlike that found
in valleys intersecting the Snake River Plain, i.e., the
"likely case (b)" indicated in the figure.

Sincerely yours,

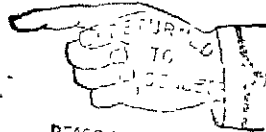
Jay F. Kunze

Dr. Jay F. Kunze, P.E.
Manager, Energy Services

/se



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
Eastern District Office
1515 Lincoln Road • Idaho Falls Idaho
83401

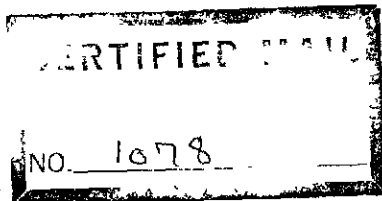


REASON FOR RETURN
Undelivered ☒
Address change ☐
Insufficient postage ☐
E. Single sheet not folded ☐
No such office in state ☐
Do not return in this envelope



~~Mr. John Taylor
Box 542 - Butte City
Arco, Idaho 83213~~

NAME _____
1st Notice 9-14
2nd Notice 9-19
Return 10-3



BEFORE THE DEPARTMENT OF WATER RESOURCES
OF THE
STATE OF IDAHO

In the Matter of Protests Against)
Approval of Application for Permit)
No. 34-7219 in the Name of K. W.)
RICHARDSON or JANET RICHARDSON)

NOTICE OF CONFERENCE
AND/OR HEARING

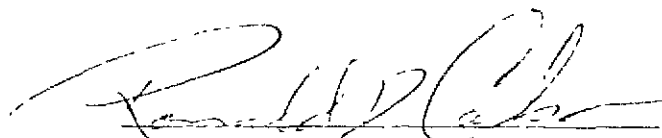
On June 30, 1978, K. W. Richardson or Janet Richardson filed with the Department of Water Resources an application to appropriate the public waters of the State of Idaho. On July 28, 1978, the Department received a protest against approval of said application from R. H. Pierce, Jerry L. Bowhay, Kent L. Thorngren, Charles H. Heidemann, Clifford Ramsey, T. E. Staker, Birney L. Phillips, Arnold Heidemann, Richard R. Ivie, Kenneth W. Perrenoud, Anna Belle Perrenoud, Don L. Stradley, Dora R. Stradley, Rosella F. Phillips, Albert E. King, Edith King, John Taylor, Elmer Savage, Richard Thomas, Vic and Pearl Schanwolf, William L. Young, Harley C. Whiting, Mary Ann Heidemann, Mrs. T. E. Staker, Lerinda Kennedy, Cecil Hamilton, and Patricia Hamilton. On July 31, 1978, the Department received additional protests from Young Harvey Walker, Art Quist, and Larry Quist.

The Department has set the matter of protests for conference and/or hearing for Monday, September 25, 1978, at 2:30 p.m., in the Memorial Building, Arco, Idaho. Any hearing will be held in accordance with the Rules and Regulations of the Idaho Code and adopted Rules of Practice and Procedure of the Department of Water Resources. Opportunity shall be afforded all parties to respond and present evidence and argument on all issues involved.

Any party may request in writing five (5) days before any hearing that the oral proceedings thereof be taken in the form of stenographic notes. Any party may have such stenographic notes of the oral proceedings, or part thereof, transcribed at his own expense. A taped record of the proceedings will be maintained for the appeal period.

Failure to appear at the time and place set for hearing by the applicants or protestants may allow the Department without prejudice to dismiss the protests or the application. Any and all costs incurred by reason of such non-appearance may be assessed such non-appearing parties.

Dated this 8th day of September, 1978.

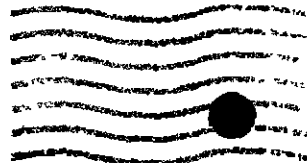
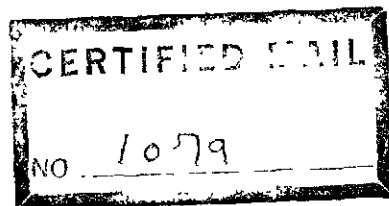


RONALD D. CARLSON
Supervisor, Eastern Region

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
Eastern District Office
1515 Lincoln Road • Idaho Falls, Idaho
83401



Do not return to this office



~~Mr. Elmer Savage
Butte City Apt.
c/or John Taylor
Box 542 - Butte City
Arco, Idaho 83213~~

9-14
9-19
10-3

14
1978

BEFORE THE DEPARTMENT OF WATER RESOURCES
OF THE
STATE OF IDAHO

In the Matter of Protests Against)
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No. 34-7219 in the Name of K. W.)
RICHARDSON or JANET RICHARDSON)

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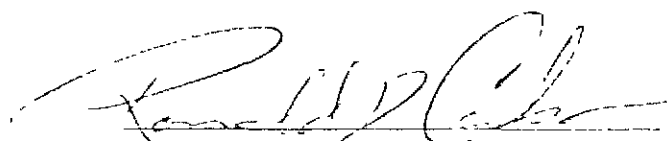
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Dated this 8th day of September, 1978.



RONALD D. CARLSON
Supervisor, Eastern Region

DEPARTMENT OF WATER RESOURCES

Name and Address of Sender

LA TARR DISTRICT OFFICE
1515 LINCOLN ROAD
IDAHO FALLS, IDAHO 83401

Indicate type of mail:
☐ REGISTERED ☐ REGISTERED
☐ C.O.D. ☒ CERTIFIED

Airline stamp here if issued as certificate of mailing or for additional copies of this bill
POSTMARK AND DATE OF RECEIPT

NUMBER OF ARTICLE	NAME OF ADDRESSEE, STREET AND POST OFFICE ADDRESS	POSTAGE	FEES	REG. FEE	POST DEL. FEE	ACTUAL VALUE	HANDLING CHARGE	REMARKS*
1	1097 Don Z. + Dona R. Stinley, P.O. Box 636, Arco,	15	80			Richardson -		349219
2	1098 Kenneth + Anna Belle Penland, Rt 1 Box 438, Butte City,							"
3	1099 Richard R. Davis, Rt 1, Box 39, Butte City, Arco,							"
4	1100 Mrs. Rosella F. Phillips, Box 263, Arco, Id 83213							"
5	1101 Vic + Pearl Schanewolf, Box 31, Butte City, Arco,							"
6	1102 Mr. Arthur Z. Smith, P.O. Box 426, Idaho Falls,					Richardson -		32-7089
7	1103 Donald W. Sherton, WD 32-C, Dubois, Idaho 83423							"
8	1104 Mr. Roland Russell, Dubois, Idaho 83423							"
9	1105 Mr. Gerald Holmes, Holmes Bros Dubois, Id							"
10	1106 Mr. Kenneth Rowland, Dubois, Id 83423							"
11	1107 Mr. Hollis Sherton, Dubois, Idaho 83423							"
12	1108 Mr. George Whitaker, Dubois, Idaho 83423							"
13	1109 Mr. Elmer T. Woodfield, Dubois, Idaho							"
14	1110 Mr. Dean Sherton, Dubois, Idaho 83423							"
15	1111 Mr. Jack J. Mc Garry, Dubois, Id 83423							"
16	1112 Mr. Hugh R. Webster, Dubois, Idaho 83423							"
17	1113 Mr. Zyrus N. Hoggan, Dubois, Idaho 83423							"
18	1114 Mr. Blaine Z. Langer, P.O. Box 2349, Id. F.							"
19	1115 Mr. Allyn K. May, Dubois, Idaho 83423							"
20	1116 Richard Kenneth + Marion J. Heffernan, Box 1162, North Fork, Id 83466					Not a...		75-7102
TOTAL NO. OF ARTICLES ISSUED BY SENDER		20	TOTAL NO. OF PIECES REC'D AT P.O.		20	*Show under "Remarks" place postage paid if other than first or if international		

PS Form 3877, Dec. 1973

APPLICATION FOR REGISTERED, REGISTERED C.O.D. AND CERTIFIED MAIL

(Declaration of value is required on International registered mail)

U. S. GOVERNMENT PRINTING OFFICE: 1974 O 338-738

September 7, 1978

Arco Memorial Building
Arco, Idaho 83213

Dear Sir:

This is to confirm the use of the Courtroom for conference and/or hearing to be held by this office on Monday, September 25, 1978 at 2:30 P.m. and Tuesday, September 26, 1978 at 9:00 a.m.

Thank you for your cooperation in this matter.

Very truly yours,

RONALD D. CARLSON
Supervisor,
Eastern Region

RDC:dh

BEFORE THE DEPARTMENT OF WATER RESOURCES
OF THE
STATE OF IDAHO

In the Matter of Protests Against }
Approval of Application for Permit }
No. 34-7219 in the Name of K. W. }
RICHARDSON or JANET RICHARDSON }

NOTICE OF CONFERENCE
AND/OR HEARING

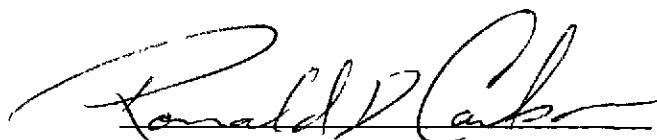
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Dated this 8th day of September, 1978.



RONALD D. CARLSON
Supervisor, Eastern Region



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
EASTERN REGION

John V. Evans
Governor

C. Stephen Allred
Director

1515 Lincoln Road
Idaho Falls, Idaho 83401
(208) 523-7186

August 2, 1978

RE: Applications Nos. 34-7218 and 34-7219 RICHARDSON

Arco Advertiser
Box "C"
Arco, Idaho 83213

Gentlemen:

Would you please submit an affidavit of publication and certified bill in connection with the above referenced applications. The legal notice was to have been published in your paper on July 13 and July 20, 1978.

Your cooperation in this matter is greatly appreciated.

Very truly yours,

JACKIE FRISBY
Senior Clerk

JF

*Called
8-14-78*

MICROFILMED



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
EASTERN REGION

John V. Evans
Governor

C Stephen Allred
Director

August 2, 1978

1515 Lincoln Road
Idaho Falls, Idaho 83401
(208) 523-7186

RE: APPLICATIONS FOR PERMITS NO. 34-7218 and 34-7219 RICHARDSON

Art Quist and Larry Quist
Box 54
Arco, Idaho 83213

Gentlemen:

Your protest against the approval of the above referenced application has been received and a copy has been sent to the applicant. The Department suggests you contact the applicant directly in an effort to determine what is proposed by the application and to attempt to resolve the protest.

If you do not advise us within twenty (20) days that the protest has been resolved, the matter will be scheduled for conference and/or hearing. At such a conference and/or hearing, the following are the principle items the Department can consider in either approving or denying an application for permit (Section 42-203, Idaho Code):

1. Will the proposed use reduce the quantity of water under existing water rights?
2. Is the proposed water supply insufficient for the purpose intended?
3. Is the application made in good faith or for delay or speculative purposes?
4. Has the applicant sufficient financial resources with which to complete the project?
5. Will the proposed use under this permit conflict with the local public interest?

If this office can be of further assistance, please contact us.

Very truly yours,

RONALD D. CARLSON
Supervisor
Eastern Region

RDC: CW

cc: IDWR - State Office



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
EASTERN REGION

John V. Evans
Governor

C. Stephen Allred
Director

August 2, 1978

1515 Lincoln Road
Idaho Falls, Idaho 83401
(208) 523-7186

RE: Applications for Permits No. 34-7218 and 34-7219 RICHARDSON

Young Harvey Walker
Box 49-B
Arco, Idaho 83213

Dear Mr. Walker:

Your protest against the approval of the above referenced application has been received and a copy has been sent to the applicant. The Department suggests you contact the applicant directly in an effort to determine what is proposed by the application and to attempt to resolve the protest.

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Very truly yours,

RONALD D. CARLSON
Supervisor
Eastern Region

RDC: CW

cc: IDWR - State Office



STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES

EASTERN REGION

John V. Evans
Governor

C. Stephen Allred
Director

August 1, 1978

1515 Lincoln Road
Idaho Falls, Idaho 83401
(208) 523-7186

RE: Applications for Permits No. 34-7218 and 34-7219 RICHARDSON

Harley C. Whiting
Box 107 - Butte City
Arco, Idaho 83213

Dear Mr. Whiting:

Your protest against the approval of the above referenced application has been received and a copy has been sent to the applicant. The Department suggests you contact the applicant directly in an effort to determine what is proposed by the application and to attempt to resolve the protest.

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Very truly yours,

RONALD D. CARLSON
Supervisor
Eastern Region

RDC:GW

cc: IDWR - State Office



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
EASTERN REGION

John V. Evans
Governor

C. Stephen Allred
Director

August 1, 1978

1515 Lincoln Road
Idaho Falls, Idaho 83401
(208) 523-7186

RE: Applications for Permit No. 34-7218 and 34-7219 RICHARDSON

Ms. Mary Ann Heidemann
Rt. #1, Box 28
Arco, Idaho 83213

Dear Ms. Heidemann:

Your protest against the approval of the above referenced application has been received and a copy has been sent to the applicant. The Department suggests you contact the applicant directly in an effort to determine what is proposed by the application and to attempt to resolve the protest.

If you do not advise us within twenty (20) days that the protest has been resolved, the matter will be scheduled for conference and/or hearing. At such a conference and/or hearing, the following are the principle items the Department can consider in either approving or denying an application for permit (Section 42-203, Idaho Code):

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If this office can be of further assistance, please contact us.

Very truly yours,

RONALD D. CARLSON
Supervisor
Eastern Region

RDC: CW

cc: IDWR - State Office

MAIL



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
EASTERN REGION

John V. Evans
Governor

August 1, 1978

1515 Lincoln Road
Idaho Falls, Idaho 83401
(208) 523-7186

C. Stephen Allred
Director

RE: Applications for Permits No. 34-7218 and 34-7219 RICHARDSON

Ms. Lerinda Kennedy
Box 43, Rt. #1
Arco, Idaho 83213

Dear Ms. Kennedy:

Your protest against the approval of the above referenced application has been received and a copy has been sent to the applicant. The Department suggests you contact the applicant directly in an effort to determine what is proposed by the application and to attempt to resolve the protest.

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If this office can be of further assistance, please contact us.

Very truly yours,

RONALD D. CARLSON
Supervisor
Eastern Region

RDC: CW

cc: IDWR - State Office

MICROFILMED



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
EASTERN REGION

John V. Evans
Governor

August 1, 1978

1515 Lincoln Road
Idaho Falls, Idaho 83401
(208) 523-7186

C. Stephen Allred
Director

RE: Applications for Permits No. 34-7218 and 34-7219 RICHARDSON

Cecil Hamilton
Patricia Hamilton
Rt. #1, Box 38
Arco, Idaho 83213

Dear Mr. & Ms. Hamilton:

Your protest against the approval of the above referenced application has been received and a copy has been sent to the applicant. The Department suggests you contact the applicant directly in an effort to determine what is proposed by the application and to attempt to resolve the protest.

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Very truly yours,

RONALD D. CARLSON
Supervisor
Eastern Region

RDC: CW

cc: IDWR - State Office

MICROFILMED



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
EASTERN REGION

John V. Evans
Governor

August 1, 1978

1515 Lincoln Road
Idaho Falls, Idaho 83401
(208) 523-7186

C. Stephen Allred
Director

RE: Applications for Permits No. 34-7218 and 34-7219 RICHARDSON

R. H. Pierce
Rt. #1, Box 44-A
Arco, Idaho 83213

Dear Mr. Pierce:

Your protest against the approval of the above referenced application has been received and a copy has been sent to the applicant. The Department suggests you contact the applicant directly in an effort to determine what is proposed by the application and to attempt to resolve the protest.

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Very truly yours,

RONALD D. CARLSON
Supervisor
Eastern Region

RDC: CW

cc: IDWR - State Office

MICROFILMED



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
EASTERN REGION

John V. Evans
Governor

August 1, 1978

1515 Lincoln Road
Idaho Falls, Idaho 83401
(208) 523-7186

C. Stephen Allred
Director

RE: Applications for Permits No. 34-7218 and 34-7219 RICHARDSON

Mr. Jerry L. Bowhay
Rt. #1, Box 37-A1
Arco, Idaho 83213

Dear Mr. Bowhay:

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Very truly yours,

RONALD D. CARLSON
Supervisor
Eastern Region

RDC: CW

cc: IDWR - State Office

MICROFILMED



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
EASTERN REGION

John V. Evans
Governor

August 1, 1978

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C. Stephen Allred
Director

RE: Applications for Permits No. 34-7218 and 34-7219 RICHARDSON

Kent S. Thorngren
Rt. #1, Box 43-C
Arco, Idaho 83213

Dear Mr. Thorngren:

Your protest against the approval of the above referenced application has been received and a copy has been sent to the applicant. The Department suggests you contact the applicant directly in an effort to determine what is proposed by the application and to attempt to resolve the protest.

If you do not advise us within twenty (20) days that the protest has been resolved, the matter will be scheduled for conference and/or hearing. At such a conference and/or hearing, the following are the principle items the Department can consider in either approving or denying an application for permit (Section 42-203, Idaho Code):

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2. Is the proposed water supply insufficient for the purpose intended?
3. Is the application made in good faith or for delay or speculative purposes?
4. Has the applicant sufficient financial resources with which to complete the project?
5. Will the proposed use under this permit conflict with the local public interest?

If this office can be of further assistance, please contact us.

Very truly yours,

RONALD D. CARLSON
Supervisor
Eastern Region

RDC: CW

cc: IDWR - State Office

MICROFILMED



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
EASTERN REGION

Jonn V. Evans
Governor

August 1, 1978

1515 Lincoln Road
Idaho Falls, Idaho 83401
(208) 523-7186

C. Stephen Allred
Director

RE: Applications for Permits No. 34-7218 and 34-7219 RICHARDSON

Charles H. Heidemann
Rt. #1, Box 28
Arco, Idaho 83213

Dear Mr. Heidemann:

Your protest against the approval of the above referenced application has been received and a copy has been sent to the applicant. The Department suggests you contact the applicant directly in an effort to determine what is proposed by the application and to attempt to resolve the protest.

If you do not advise us within twenty (20) days that the protest has been resolved, the matter will be scheduled for conference and/or hearing. At such a conference and/or hearing, the following are the principle items the Department can consider in either approving or denying an application for permit (Section 42-203, Idaho Code):

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Very truly yours,

RONALD D. CARLSON
Supervisor
Eastern Region

RDC: CW

cc: IDWR - State Office

MICROFILMED



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
EASTERN REGION

John V. Evans
Governor

August 1, 1978

1515 Lincoln Road
Idaho Falls, Idaho 83401
(208) 523-7186

C. Stephen Allred
Director

RE: Applications for Permits No. 34-7218 and 34-7219 RICHARDSON

Clifford Ramsey
Rt. #1, Box 34
Arco, Idaho 83213

Dear Mr. Ramsey:

Your protest against the approval of the above referenced application has been received and a copy has been sent to the applicant. The Department suggests you contact the applicant directly in an effort to determine what is proposed by the application and to attempt to resolve the protest.

If you do not advise us within twenty (20) days that the protest has been resolved, the matter will be scheduled for conference and/or hearing. At such a conference and/or hearing, the following are the principle items the Department can consider in either approving or denying an application for permit (Section 42-203, Idaho Code):

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Very truly yours,

RONALD D. CARLSON
Supervisor
Eastern Region

RDC: CW

cc: IDWR - State Office

MAILED



STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES

EASTERN REGION

John V. Evans
Governor

August 1, 1978

1515 Lincoln Road
Idaho Falls, Idaho 83401
(208) 523-7186

C. Stephen Allred
Director

RE: Applications for Permits No. 34-7218 and 34-7219 RICHARDSON

Mr. & Mrs. T. E. Staker
Box 571
Arco, Idaho 83213

Dear Mr. & Mrs. Staker:

Your protest against the approval of the above referenced application has been received and a copy has been sent to the applicant. The Department suggests you contact the applicant directly in an effort to determine what is proposed by the application and to attempt to resolve the protest.

If you do not advise us within twenty (20) days that the protest has been resolved, the matter will be scheduled for conference and/or hearing. At such a conference and/or hearing, the following are the principle items the Department can consider in either approving or denying an application for permit (Section 42-203, Idaho Code):

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If this office can be of further assistance, please contact us.

Very truly yours,

RONALD D. CARLSON
Supervisor
Eastern Region

RDC: CW

cc: IDWR - State Office

RECEIVED
AUG 1 1978



STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES

EASTERN REGION

John V Evans
Governor

August 1, 1978

1515 Lincoln Road
Idaho Falls, Idaho 83401
(208) 523-7186

C. Stephen Allred
Director

RE: Applications for Permits No. 34-7218 and 34-7219 RICHARDSON

Birney L. Phillips
Rt. #1 - Butte City
Arco, Idaho 83213

Dear Mr. Phillips:

Your protest against the approval of the above referenced application has been received and a copy has been sent to the applicant. The Department suggests you contact the applicant directly in an effort to determine what is proposed by the application and to attempt to resolve the protest.

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Very truly yours,

RONALD D. CARLSON
Supervisor
Eastern Region

RDC:cw

cc: IDWR - State Office

MICROFILMED



STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES

EASTERN REGION

John V. Evans
Governor

August 1, 1978

1515 Lincoln Road
Idaho Falls, Idaho 83401
(208) 523-7186

C. Stephen Allred
Director

RE: Applications for Permits No. 34-7218 and 34-7219 RICHARDSON

Arnold Heidemann
Rt. #1, Box 28
Butte City, Arco, Idaho 83213

Dear Mr. Heidemann:

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Very truly yours,

RONALD D. CARLSON
Supervisor
Eastern Region

RDC: CW

cc: IDWR - State Office

MICROFILMED



STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES

EASTERN REGION

John V. Evans
Governor

August 1, 1978

1515 Lincoln Road
Idaho Falls, Idaho 83401
(208) 523-7186

C. Stephen Allred
Director

RE: Applications for Permits No. 34-7218 and 34-7219 RICHARDSON

Don L. & Dora R. Stradley
P.O. Box 636
Arco, Idaho 83213

Dear Mr. & Ms. Stradley:

Your protest against the approval of the above referenced application has been received and a copy has been sent to the applicant. The Department suggests you contact the applicant directly in an effort to determine what is proposed by the application and to attempt to resolve the protest.

If you do not advise us within twenty (20) days that the protest has been resolved, the matter will be scheduled for conference and/or hearing. At such a conference and/or hearing, the following are the principle items the Department can consider in either approving or denying an application for permit (Section 42-203, Idaho Code):

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If this office can be of further assistance, please contact us.

Very truly yours,

RONALD D. CARLSON
Supervisor
Eastern Region

RDC: CW

cc: IDWR - State Office

MICROFILMED



STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES

EASTERN REGION

John V. Evans
Governor

August 1, 1978

1515 Lincoln Road
Idaho Falls, Idaho 83401
(208) 523-7186

C. Stephen Allred
Director

RE: Applications for Permits No. 34-7218 and 34-7219 RICHARDSON

Kenneth & Anna Belle Perrenoud
Rt. #1, Box 43-B
Butte City
Arco, Idaho 83213

Dear Mr. & Ms. Perrenoud:

Your protest against the approval of the above referenced application has been received and a copy has been sent to the applicant. The Department suggests you contact the applicant directly in an effort to determine what is proposed by the application and to attempt to resolve the protest.

If you do not advise us within twenty (20) days that the protest has been resolved, the matter will be scheduled for conference and/or hearing. At such a conference and/or hearing, the following are the principle items the Department can consider in either approving or denying an application for permit (Section 42-203, Idaho Code):

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If this office can be of further assistance, please contact us.

Very truly yours,

RONALD D. CARLSON
Supervisor
Eastern Region

RDC:CW

cc: IDWR - State Office

11/11/78



STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES

EASTERN REGION

John V. Evans
Governor

August 1, 1978

1515 Lincoln Road
Idaho Falls, Idaho 83401
(208) 523-7186

C. Stephen Allred
Director

RE: Applications for Permits No. 34-7218 and 34-7219 RICHARDSON

Richard R. Ivie
Rt. #1, Box 39
Butte City,
Arco, Idaho 83213

Dear Mr. Ivie:

Your protest against the approval of the above referenced application has been received and a copy has been sent to the applicant. The Department suggests you contact the applicant directly in an effort to determine what is proposed by the application and to attempt to resolve the protest.

If you do not advise us within twenty (20) days that the protest has been resolved, the matter will be scheduled for conference and/or hearing. At such a conference and/or hearing, the following are the principle items the Department can consider in either approving or denying an application for permit (Section 42-203, Idaho Code):

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If this office can be of further assistance, please contact us.

Very truly yours,

RONALD D. CARLSON
Supervisor
Eastern Region

RDC:CW

cc: IDWR - State Office



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
EASTERN REGION

John V. Evans
Governor

August 1, 1978

1515 Lincoln Road
Idaho Falls, Idaho 83401
(208) 523-7186

C. Stephen Allred
Director

RE: Application for Permit No. 34-7218 and 34-7219 RICHARDSON

Ms. Rosella F. Phillips
Box 263
Arco, Idaho 83213

Dear Ms. Phillips:

Your protest against the approval of the above referenced application has been received and a copy has been sent to the applicant. The Department suggests you contact the applicant directly in an effort to determine what is proposed by the application and to attempt to resolve the protest.

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Very truly yours,

RONALD D. CARLSON
Supervisor
Eastern Region

RDC:cw

cc: IDWR - State Office



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
EASTERN REGION

John V. Evans
Governor

August 1, 1978

1515 Lincoln Road
Idaho Falls, Idaho 83401
(208) 523-7186

C. Stephen Allred
Director

RE: Applications for Permits No. 34-7218 and 34-7219 RICHARDSON

Albert E. & Edith King
Rt. #1, Box 40
Arco, Idaho 83213

Dear Mr. & Ms. King:

Your protest against the approval of the above referenced application has been received and a copy has been sent to the applicant. The Department suggests you contact the applicant directly in an effort to determine what is proposed by the application and to attempt to resolve the protest.

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If this office can be of further assistance, please contact us.

Very truly yours,

RONALD D. CARLSON
Supervisor
Eastern Region

RDC: CW

cc: IDWR - State Office



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
EASTERN REGION

John V. Evans
Governor

August 1, 1978

1515 Lincoln Road
Idaho Falls, Idaho 83401
(208) 523-7186

C. Stephen Allred
Director

RE: Application for Permit No. 34-7218 and 34-7219 RICHARDSON

Mr. John Taylor
Box 542 = Butte City
Arco, Idaho 83213

Dear Mr. Taylor:

Your protest against the approval of the above referenced application has been received and a copy has been sent to the applicant. The Department suggests you contact the applicant directly in an effort to determine what is proposed by the application and to attempt to resolve the protest.

If you do not advise us within twenty (20) days that the protest has been resolved, the matter will be scheduled for conference and/or hearing. At such a conference and/or hearing, the following are the principle items the Department can consider in either approving or denying an application for permit (Section 42-203, Idaho Code):

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If this office can be of further assistance, please contact us.

Very truly yours,

RONALD D. CARLSON
Supervisor
Eastern Region

RDC: CW

cc: IDWR - State Office



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
EASTERN REGION

John V. Evans
Governor

1515 Lincoln Road
Idaho Falls, Idaho 83401
(208) 523-7186

C. Stephen Allred
Director

RE: Applications for Permits No. 34-7218 and 34-7219 RICHARDSON

Mr. Elmer Savage
Butte City Apt.
c/o John Taylor
Box 542- Butte City
Arco, Idaho 83213

Dear Mr. Savage:

Your protest against the approval of the above referenced application has been received and a copy has been sent to the applicant. The Department suggests you contact the applicant directly in an effort to determine what is proposed by the application and to attempt to resolve the protest.

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Very truly yours,

RONALD D. CARLSON
Supervisor
Eastern Region

RDC:CW

cc: IDWR - State Office



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
EASTERN REGION

John V. Evans
Governor

August 1, 1978

1515 Lincoln Road
Idaho Falls, Idaho 83401
(208) 523-7186

C. Stephen Allred
Director

RE: Applications for Permits No. 34-7218 and 34-7219 RICHARDSON

Mr. Richard Thomas
Butte City
Arco, Idaho 83213

Dear Mr. Thomas:

Your protest against the approval of the above referenced application has been received and a copy has been sent to the applicant. The Department suggests you contact the applicant directly in an effort to determine what is proposed by the application and to attempt to resolve the protest.

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Very truly yours,

RONALD D. CARLSON
Supervisor
Eastern Region

RDC:CW

cc: IDWR - State Office



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
EASTERN REGION

John V. Evans
Governor

August 1, 1978

1515 Lincoln Road
Idaho Falls, Idaho 83401
(208) 523-7186

C. Stephen Allred
Director

RE: APPLICATIONS FOR PERMITS No. 34-7218 and 34-7219 RICHARDSON

Vic & Pearl Schanwolf
Box 31 - Butte City
Arco, Idaho 83213

Dear Mr. & Ms. Schanwolf:

Your protest against the approval of the above referenced application has been received and a copy has been sent to the applicant. The Department suggests you contact the applicant directly in an effort to determine what is proposed by the application and to attempt to resolve the protest.

If you do not advise us within twenty (20) days that the protest has been resolved, the matter will be scheduled for conference and/or hearing. At such a conference and/or hearing, the following are the principle items the Department can consider in either approving or denying an application for permit (Section 42-203, Idaho Code):

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Very truly yours,

RONALD D. CARLSON
Supervisor
Eastern Region

RDC: CW

cc: IDWR - State Office



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
EASTERN REGION

John V. Evans
Governor

August 1, 1978

1515 Lincoln Road
Idaho Falls, Idaho 83401
(208) 523-7186

C. Stephen Allred
Director

RE: Applications for Permits No. 34-7218 and 34-7219 RICHARDSON

William L. Young
Rt. #1, Box 44
Arco, Idaho 83213

Dear Mr. Young:

Your protest against the approval of the above referenced application has been received and a copy has been sent to the applicant. The Department suggests you contact the applicant directly in an effort to determine what is proposed by the application and to attempt to resolve the protest.

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RONALD D. CARLSON
Supervisor
Eastern Region

RDC: CW

cc: IDWR - State Office



STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES

EASTERN REGION

John V Evans
Governor

1515 Lincoln Road
Idaho Falls, Idaho 83401
(208) 523-7186

C Stephen Allred
Director

July 31, 1978

K. W. Richardson or Janet Richardson
2190 Calkins Avenue
Idaho Falls, Idaho 83401

Dear Mr. & Mrs. Richardson:

Enclosed is a copy of a protest filed against the issuance of a permit pursuant to your Application No. 34-7219. The Department suggests you contact the protestant directly in an effort to determine the nature of the protest and to attempt to resolve the protest.

If you do not advise us within twenty (20) days that the protest has been resolved, the matter will be scheduled for conference and/or hearing. At such a conference and/or hearing, the following are the principle items the Department can consider in either approving or denying the application for permit (Section 42-203, Idaho Code):

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If this office can be of further assistance, please contact us.

Very truly yours,

RONALD D. CARLSON
Supervisor
Eastern Region

RDC: CW

Enc

RECEIVED

Proposal submitted to D.O.E. for hot water project at Butte City

A proposal was submitted on July 18 to the Department of Energy, San Francisco Operations Office, Oakland, California by Janey and K. W. Richardson of the Lost River Geothermal Company.

The Department of Energy had sent out notice that they wished to receive and consider proposals for direct heat utilization or combined electric-direct heat utilization field experiments demonstrating single or multiple uses of geothermal energy.

D.O.E.'s primary interest under this PON (Project Opportunity Notice) is for field experiments in space-water heating and cooling for residential and commercial buildings, agriculture and aquaculture uses, and industrial processing applications. The PON is part of a coordinated national geothermal energy development, research and demonstration program. Four and three-quarters million dollars are set aside for funding of these projects throughout the nation by the Department of Energy.

The Lost River Geothermal Company proposal entails four direct applications of geothermal water. These four applications are: first to make available hot water for space heating the homes and buildings of Butte City, second is to heat approximately half an acre of greenhouses, third is to provide open water year around for an approximately five acre game bird habitat area, and the fourth is to irrigate approximately sixty acres of crop land during the growing season.

To provide the hot water will be two wells, one to be used as the main resource and the other as back-up. A distribution and return system would be installed in the roadways of Butte City and in the greenhouses. The return water would be ditched to the upland game bird habitat and used as irrigation water in the greenhouses and on cropland.

The entire geothermal system would cost approximately \$449,170.00 over a four-year construction and operation period. The cost figure does not include the cost to construct the greenhouses. The proposal

requests \$277,300.00 from the Department of Energy for the Lost River Geothermal Project.

The equivalent cost of providing energy for space heating for residents of Butte City and half an acre of greenhouses for one year using conventional energy is \$46,248 00. The energy cost for pumping the geothermal water would be about \$4,000.00 per year at today's electrical costs. Based on the difference in energy cost, the estimated "payback period" is approximately 7½ years. Over a project life of twenty years the geothermal system would save an estimated 1,722,000 gallons of fuel oil or an estimated 3,630, KWH of electricity.

The 120 page proposal submitted by the Richardsons took approximately 14 weeks to prepare, Mrs. Richardson said. She said the efforts of many people were involved. Dr. Jay F. Kuntz, Manager of the Energy Service Division for Forsgren, Perkins and Associates, spent many hours on the engineering aspects of the proposal. Phil Choate of the East Central Idaho Planning and Development Association and his staff contributed much to the effort to assemble the Program Opportunity Notice. Mrs. Richardson said much time and effort was also put forth by Butte City Mayor Harley Whiting and the members of the Butte City Council, Kenneth Brewer, Richard Pierce, William Young and A. D. Hamilton, and City Clerk Mary Ann Heideman. William Carlson, Arco attorney, lent his legal knowledge to the development of the project also. Many other individuals also contributed much of their time and knowledge in cooperating with the Richardsons in the preparation of the proposal.

Award date on all proposals in response to this Program Opportunity Notice is December 1978, so it will not be known for several months whether this particular proposal will be awarded funds.

If the project is awarded it will mean about a one-third to one-half reduction in heating costs for residences hooked up to the geothermal system in Butte City.

(Continued on Page 4)

PROPOSAL SUBMITTED TO D.O.E. FOR HOT WATER PROJECT AT BUTTE CITY

(Continued from Page 1)

The Richardsons will develop a floriculture business just to the south of Butte City if this economical source of geothermal energy can be obtained. .

The object of awarding funds by the Department of Energy for these proposals is to stimulate other private use of the geothermal resource. There is much uncertainty surrounding the use of geothermal energy. It isn't known whether hot water will be found in the quantities needed or if the water will be of sufficient quality to be usable. Projects like the Lost River Geothermal Company's Butte City Project will serve to allay some of these uncertainties and will decrease some of the risk for the private investor in geothermal energy. .

Figures were developed by the Richardsons covering costs of present heating energy sources, cost of conversion to the geothermal system, and costs of operation and savings. Mrs. Richardson told the Arco Advertiser that she made a personal survey of the townspeople of Butte City to explain the project. She contacted 26 of the 35 residences located in Butte City. The count was 20 favorable, 2 against, and 4 were renters but favorable toward the project.

The Richardsons' project at Butte City, which marks an important step in attempting to pin-point and develop geothermal resources in the area, if funded, will provide an opportunity to prove whether the Butte City geothermal resource is adequate for development as an important source of geothermal energy.

IN THE MATTER OF:

Protest of Application 34-7218
and 34-7219 in the name of
K.W. and Janet Richardson

State of Idaho

County of Butte

RECEIVED
AFFIDAVIT

JUL 31 1978

Department of Water Resources
Eastern District Office

I, Young Harvey Walker

being first duly sworn,

deposes and says: file a protest against application 34-7218 and 34-7219 in the name
of K.W. Richardson and Janet Richardson. Said permits will interfere with the operation
of claim 34-7029 priority September 12, 1919 (information on file, Department of Water
Resources). Also applicants do not have sufficient income to undertake said project as
stated in the application and Arco Advertiser dated July 20, 1978 (copy enclosed).
All funding for the project would be by a Federal Government Grant.

In my opinion the nature of application for permit 34-7218 and 34-7219 is in the
form of speculative land development and capital gains interest which will interfere
with farming and livestock production in the area. I also believe that Federal
Government Funding would eliminate the entrepreneurship and right to free enterprise
of the state constituents in this area.

Young Harvey Walker
(signature)

Subscribed and sworn to before me this 31st day of July 19 78

Calvin Gray
(notary public)

Residing at Idaho Falls, ID
My commission expires 6/15/81

WILKINSON

VILLAGE OF BUTTE CITY

(Incorporated)

RECEIVED

JUL 28 1978

Address Reply To.

Postoffice
Arco, Idaho

Department of Water Resources
Eastern District Office

TO WHOM IT MAY CONCERN:

As Property Owners of property within the limits of the City of Butte City, Butte County, Idaho, we The Undersigned do protest the Applications for Water Permits # 34-7218 and #34-7219.

Due to the size and depths necessary to fulfill the needs described in the Applications for Water Permits #34-7218 and #34-7219, we feel there is reason for concern. Water Permits #34-7218 and #34-7219 may cause damage to, and/or destruction of, the water supply for the two deep wells situated on City of Butte City property, which furnish the necessary water for the properties and residents of the City of Butte City, Butte County, Idaho.

NAME

ADDRESS

<i>G. H. Pierce</i>	<i>RT #1 Box 44A Arco ID.</i>
<i>Joy L. Barbey</i>	<i>Rt #1 Box 37A1 Arco, Idaho</i>
<i>Kent L. Thongren</i>	<i>RT #1 Box 43C Arco, Idaho</i>
<i>Charles H. Heidemann</i>	<i>Rt #1 Box 28 Arco, Idaho</i>
<i>Clifford Ramsey</i>	<i>Rt #1 Box 34 Arco Idaho</i>
<i>E. C. Starker</i>	<i>Box 571 Arco Idaho</i>
<i>Birney L. Phillips</i>	<i>Rt #1 Butte city, Idaho</i>
<i>Arnold Heidemann</i>	<i>Rt 1 Box 28 Butte City</i>
<i>Richard L. Lurie</i>	<i>Rt 1 Box 39 Butte City Idaho</i>
<i>Kenneth W. Perrenoud</i>	<i>Rt 1 Box 43B Butte City</i>
<i>Anna Belle Perrenoud</i>	<i>" " " "</i>
<i>Don L. Stoddley</i>	<i>P.O. Box 635 Arco Idaho Butte City</i>
<i>Nora R. Stoddley</i>	<i>" " " " "</i>
<i>Rosella F. Phillips</i>	<i>Box 263 Arco ID.</i>
<i>Albert E. King</i>	<i>RT 1 Box 40 Arco. Idaho</i>
<i>Evelith King</i>	<i>RT 1 Box 40 Arco, Ida</i>

RECEIVED

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(Incorporated)

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NAME	ADDRESS
John Taylor	Box 542 Butte City
Elmer Savage	Butte City Apt. John Taylor
Richard Thomas	Butte City
Vic Schumwolf & Pearl	Arco, Ida. Box 30 Butte City
Mayor & Spokesman	Box 44 Arco (Butte City)
Harley C. Whiting	Butte City ARCO Box 107 Butte City
Mary Ann Heidemans	Rt 1 Box 28, Arco, Idaho
Miss P. E. Staker	Butte City, Idaho
Lerinda Kennedy	Box 43 Rt 1 Arco
Ed Hamilton	Rt 1 Box 38 Arco, Ida.
Patricia Hamilton	Rt 1 Box 38 Arco, Ida.

July 27, 1978

Mary Ann Heidemans -

Residence: Butte 67, Idaho Notary Public
My Commission expires Life

MICROFILMED

July 7, 1978

RE: Application for Water Permit	No. 34-7218	RICHARDSON
Application for Water Permit	No. 34-7219	RICHARDSON

Arco Advertiser
Box "C"
Arco, Idaho 83213

Gentlemen:

Enclosed you will find a legal notice which we wish to have published once a week for two consecutive weekly issues of your newspaper. We have inserted the publication dates allowing time for you to submit us a galley proof for review before publication.

After sending us a galley proof, proceed with the publication on the dates we have inserted, assuming the notice is correct. If we have any corrections, we will notify you before the first publication. 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.

Very truly yours,

RONALD D. CARLSON
Supervisor
Eastern Region

Bill submitted 8.16.78 by dk

RDC:bp

Enc: Legal notices (2)

MICROFILMED

**NOTICE OF APPLICATION
FOR WATER PERMIT**

Notice is hereby given that K. W. Richardson or Janet Richardson, Idaho Falls, Idaho, has on 6-30-78 submitted Application No. 34-7219 for a permit to appropriate 1.60 cubic feet per second of water from a ground-water source by means of wells and pumps within the NW $\frac{1}{4}$ SE $\frac{1}{4}$, NE $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 9, T. 3N, R. 27E, B.M., Butte County; to be used from Jan. 1 to Dec. 31 for greenhouse irrigation, stock-watering purposes for 50 to 100 head of livestock and space heating within the N $\frac{1}{2}$ NE $\frac{1}{4}$, SW $\frac{1}{4}$ NE $\frac{1}{4}$, NE $\frac{1}{4}$ NW $\frac{1}{4}$, N $\frac{1}{2}$ SE $\frac{1}{4}$, Sec. 9, T. 3N, R. 27E, B.M. and from Apr. 1 to Nov. 1 for the irrigation of 80 acres within the N $\frac{1}{2}$ SE $\frac{1}{4}$, Sec. 9, T. 3N, R. 27E, B.M.

If issued, this permit will be subject to all prior water rights. Protests against the granting of the permit must be filed with the Idaho Department of Water Resources, 1515 Lincoln Road, Idaho Falls, Idaho, 83401 on or before July 31, 1978.

C. STEPHEN ALLRED

Director

Published in the Arco Advertiser,
Arco, Idaho on July 13 and July 20,
1978

NOTICE OF APPLICATION FOR WATER PERMIT

Notice is hereby given that K. W. Richardson or Janet Richardson, Idaho
Falls, Idaho

has on 6-30-78 submitted Application No. 34-7219
for a permit to appropriate 1.60 cubic feet per second XXXXXXXXXXXXXXXXXXXX
of water from a ground-water source acre feet per annum
by means of wells and pumps within the NW $\frac{1}{4}$ SE $\frac{1}{4}$,
NE $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 9, T. 3N, R. 27E, B.M., Butte County,
within the

to be used from Jan. 1 to Dec. 31 for greenhouse irrigation, stockwatering purposes
for 50 to 100 head of livestock and space heating within the
N $\frac{1}{2}$ NE $\frac{1}{4}$, SW $\frac{1}{4}$ NE $\frac{1}{4}$, NE $\frac{1}{4}$ NE $\frac{1}{4}$, N $\frac{1}{2}$ SE $\frac{1}{4}$, Sec. 9, T. 3N, R. 27E, B.M. and from Apr. 1 to Nov. 1
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C. STEPHEN ALLRED

Director

Arco Advertiser, Arco, Idaho

Published in the Arco Advertiser, Arco, Idaho
on July 13 and July 20, 1978.

CW-A

RECORDED

DEPARTMENT OF WATER RESOURCES
- STAFF ANALYSIS -

Item Initial Date

Application No. _____

☒ Source ground water
☒ Point of Diversion (2)
☒ County _____
☒ Quantity of Water and Period of Use _____
☒ Description of Diverting Works _____
☒ Time required for B/U of water _____
☒ Place of Use or Acres Irrigated _____
☒ Map _____
☒ Signature _____
☒ Fee _____

(1) BRC 6-30

In form to receipt

(2) " "

Send Copies to:

Idaho State Health Department
Idaho Fish and Game Department
Bureau of Land Management

(3) " "

Request Special Use Permit from U.S.F.S.
Request Easement from B.L.M.
Request Information from Applicant

(4) " "

In form for advertising

(5) " "

Platted on Map No. 310 27E

(6) " "

Located within Water District No. N.A.

(7) " "

Critical groundwater area: yes _____ no ☒

(8) " "

Groundwater levels:

_____ Declining, ☒ Stable, _____ Increasing

(comment) Appears to be after warm water

(9) " "

Other rights on the same place of use NONE

(10) _____

Comments: Will a geothermal permit be required?

(11) dh 8/6

Affidavit of Publication received (date) Aug 16, 1978

(12) car 7-28-78

Final date for protests July 31, 1978

Protests received: yes _____ no ☒

(13) RDC 12/1/78

All requested information received from agencies or applicant: yes _____ no _____

(14) n n

Action recommended:

☒ Approve _____ Deny

6/30/78 Proposed Priority

_____ Reason for Reduction _____

_____ Measuring device required

SEE MEMO DECISION ☒ See attached sheet for other conditions of approval

_____ No special conditions for approval

(15) District E By RDC Date 12/1/78

11

3rd put