



65-12974

WARM SPRINGS ESTATES NO. 1

A SUBDIVISION IN
A PORTION OF THE SW 1/4 SECTION 33, T.10N, R.4E, B.M.
BOISE COUNTY, IDAHO

SMITH & MONROE ENGINEERS, INC.
602 MAIN ST. BOISE, IDAHO

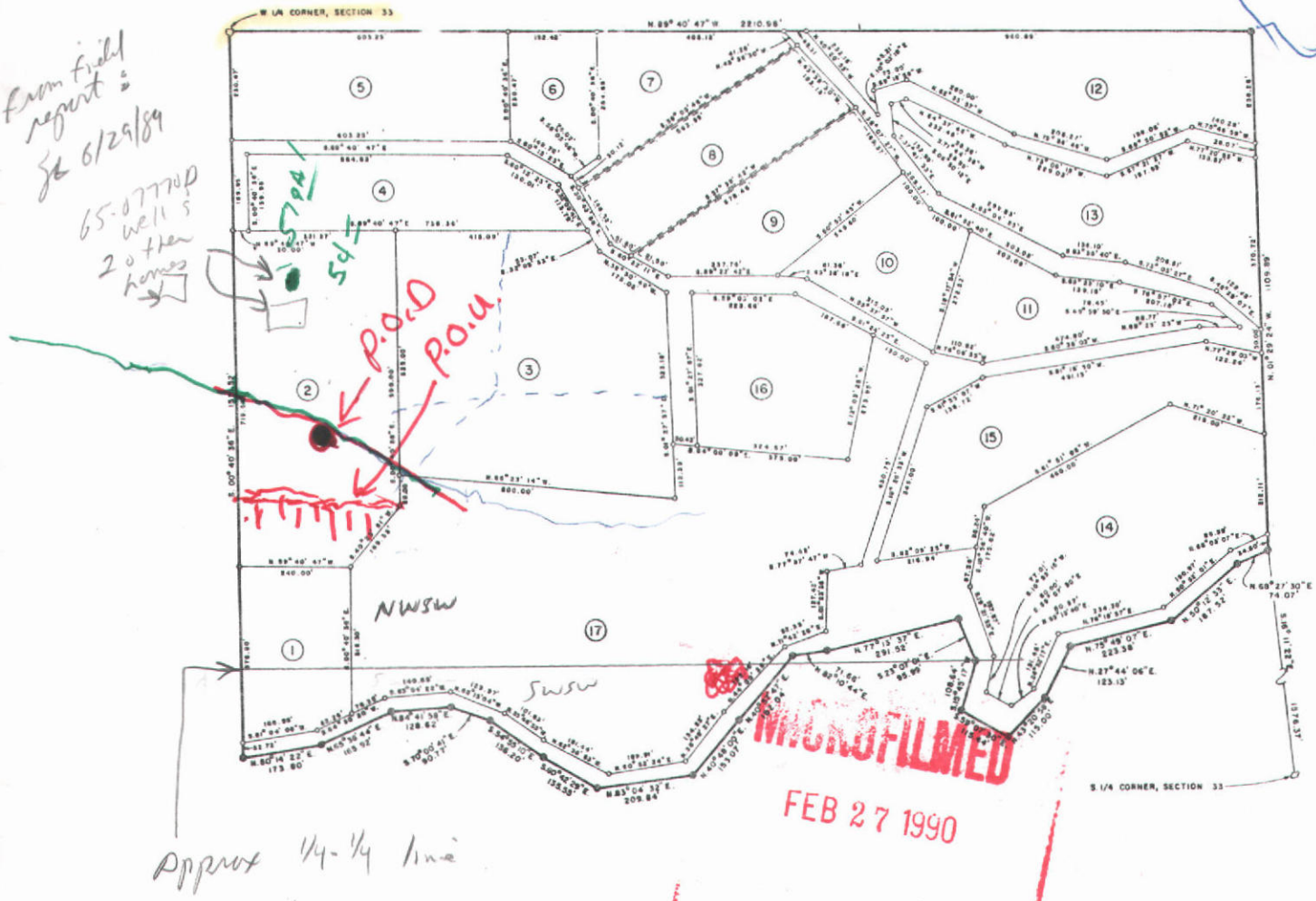


S.33
Gov't lots E 1/2 E 1/2 only

While this map is a photographic reproduction of that on file in either the recorder's or surveyor's office, the company assumes no liability for variation, if any, with another or re-survey.

Safeco Title Insurance Company of Idaho
300 North Sixth Street
Box 2628
Boise, Idaho 83701

from field report
6/29/89
65-07770P
wells
2 other
homes



MICROFILMED
FEB 27 1990

STATE OF IDAHO }

County of Boise

Peter A. Wierenga, being duly sworn, deposes and says: that he is the manager and principal clerk of THE IDAHO WORLD, a weekly newspaper published at Idaho City, in the County of Boise and State of Idaho; the said paper has been and is in general circulation in the county aforesaid, and in the vicinity of Idaho City; that the advertisement, a copy of which is hereto attached, was published in said newspaper once a week for two(2) consecutive weeks in the entire and regular issue of every number of said paper during the period and time of publication and was published in the newspaper and not a supplement; that said paper has been established and regularly and continuously published for more than seventy-eight weeks past previous to the first publication of this notice. Such notice was published in the issue beginning with 7/19, 1989 and ending with the issue of 7/26, 1989.

Peter A. Wierenga

STATE OF IDAHO }

County of Boise

On this 26th day of July
in the year of 1989, before me, a
Notary Public, personally appeared
Peter A. Wierenga

known or identified to me to be the person whose name subscribed to the within instrument, and being by me first duly sworn, declared that the statements therein are true, and acknowledged to me that he executed the same.

Joan Wierenga
Notary Public for Idaho
Boise, Idaho

Residing at

My commission expires: 9/14/94

NOTICE OF APPLICATION FOR WATER RIGHT

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

65-12974 ✓ *st*

LIVINGSTON, FAY
LIVINGSTON, EARL
HC 76, BOX 4043
GARDEN VALLEY, ID 83622

Source: GROUNDWATER; Diversion Pt: NWSW Sec. 33 T 10N R 04E; Use: HEATING (.100 CFS), DOMESTIC (.080 CFS), IRRIGATION (.090 CFS); Date Filed: 2/24/1989; In: T10N R04E S33 NWSW, 3.0 ACRES TOTAL

65-13075

MILLER, ROGER
P.O. BOX 253
HORSESHOE BEND, ID 83629

Source: PORTER CREEK SPRINGS; Tributary: PAYETTE RIVER PORTER CREEK; Diversion Pt: SENWSW Sec. 12 T 07N R 02E, NWSE Sec. 12 T 07N R 02E; Use: IRRIGATION (.240 CFS); Date Filed: 6/23/1989; In: T07N R02E S12 NWSW, 12.0 ACRES TOTAL

65-13076

PAYETTE RIVER HOT SPRINGS H.O. ASSN.
C/O JOHN C. CARR
2021 N.W. 10TH
MERIDIAN, ID 83642

Source: GROUNDWATER; Diversion Pt: NWNE Sec. 11 T 08N R 05E; Use: DOMESTIC (.250 CFS); Date Filed: 5/04/1989; In: T08N R05E S11 NWNE

65-13080

BODIFORD, DON
BODIFORD, BARBARA
HC 76, BOX 2545
GARDEN VALLEY, ID 83622

Source: WARM SPRINGS CREEK; Tributary: PAYETTE RIVER, MIDDLE FORK; Diversion Pt: LOT 3 (NESE) Sec. 33 T 10N R 04E; Use: IRRIGATION (.090 CFS); Date Filed: 6/06/1989; In: T10N R04E S34 SWSW, 3.0 ACRES TOTAL

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FEB 27 1990

The permit(s) will be subject to all prior water rights. Protests must be filed with the Director, Dept. of Water Resources, Western Region, 2735 Airport Way, Boise, Idaho 83705 on or before AUGUST 7, 1989.

R. KEITH HIGGINSON, Director

Published in the Idaho World, Idaho City, Idaho, July 19 & 26, 1989.

WATER RIGHT SUMMARY

ACTION	RIGHT NO.	NAME	AMOUNT CFS
~~Original Application~~	~~65-12974~~	~~Livingston, Earl Fay~~	~~0.27~~

SPLIT INTO PARTS A/B/C BY ASSIGNMENT

Partial Assignment	65-12974A	Andrews, Richard Suzanne	0.09
Partial Assignment	65-12974B	Gebert, James	0.09
Partial Assignment	65-12974C	Goffin, Martin Sue	0.09

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DEC 4 11 1995

Part C

RECEIVED

NOV 14 1995

State of Idaho
DEPARTMENT OF WATER RESOURCES

Department of Water Resources

ASSIGNMENT OF PERMIT
To change the ownership of a permit

I, EARL LIVINGSTON/FAY LIVINGSTON, hereby assign to MARTIN/SUE GOFFIN
(Permit Holder)
 of HC 76, Box 4043, Garden Valley, Id. 83622
(Full Address)

All my right, title, and interest in and to Permit No. _____
 to appropriate the public waters of the State of Idaho.

OR (for partial assignments)

The following described portion of my right, title, and interest in and to
 Permit No. 65-12974 to appropriate the public waters of the State of Idaho.

Describe portion of the permit assigned listing the number of acres in each 40 acre subdivision,
 point of diversion location, and the amount of water in cubic feet per second.

Irrigation 0.030
Heating 0.03333
Domestic 0.026667
10N 04E 33 sw/nwsw

Made this 14th day of November, 1995.

Earl Livingston
 Permit Holder(s)

State of Idaho)
 County of Ada) ss

On this 14th day of November, 1995, personally appeared before me
 the signer of the above instrument, duly acknowledged to me that he/she/they executed the same.

Sharla K Curtis
 Notary Public

SEAL

DEC 21 1995

Sharla K Curtis
 Signature

My commission expires: 10-6-96

Part B

RECEIVED

NOV 14 1995

State of Idaho
DEPARTMENT OF WATER RESOURCES

Department of Water Resources

ASSIGNMENT OF PERMIT
To change the ownership of a permit

I, EARL LIVINGSTON/EAY LIVINGSTON, hereby assign to JAMES GEBERT
(Permit Holder)
 of HC 76, Box 4043, Garden Valley, Id. 83622
(Full Address)

All my right, title, and interest in and to Permit No. _____
 to appropriate the public waters of the State of Idaho.

OR (for partial assignments)

The following described portion of my right, title, and interest in and to
 Permit No. 65-12974 to appropriate the public waters of the State of Idaho.

Describe portion of the permit assigned listing the number of acres in each 40 acre subdivision,
 point of diversion location, and the amount of water in cubic feet per second.

<u>Irrigation</u>	<u>0.030</u>
<u>Heating</u>	<u>0.03333</u>
<u>Domestic</u>	<u>0.026667</u>
<u>10 N 04E 33 sw/nsw</u>	

Made this 14th day of November, 1995.

Earl Livingston
 Permit Holder(s)

State of Idaho)
 County of Ada)^{ss}

On this 14th day of November, 1995, personally appeared before me
 the signer of the above instrument, duly acknowledged to me that he/she/they executed the same.

Sharla Curtis
 Notary Public

SEAL

Sharla R Curtis
 Signature

DEC 21 1995

My commission expires: 10-6-96

Part A

RECEIVED
NOV 14 1995State of Idaho
DEPARTMENT OF WATER RESOURCES

Department of Water Resources

ASSIGNMENT OF PERMIT
To change the ownership of a permit

I, EARL LIVINGSTON/FAY LIVINGSTON, hereby assign to RICHARD and SUZANNE ANDREWS
(Permit Holder)
 of HC 76, Box 4043, Garden Valley, Id. 83622
(Full Address)

All my right, title, and interest in and to Permit No. _____
 to appropriate the public waters of the State of Idaho.

OR (for partial assignments)

The following described portion of my right, title, and interest in and to
 Permit No. 65-12974 to appropriate the public waters of the State of Idaho.

Describe portion of the permit assigned listing the number of acres in each 40 acre subdivision,
 point of diversion location, and the amount of water in cubic feet per second.

<u>Irrigation</u>	<u>0.030</u>
<u>Heating</u>	<u>0.03333</u>
<u>Domestic</u>	<u>0.026667</u>
<u>10 N 04E 33 sw/nsw</u>	

Made this 14~~th~~ day of November, 19 95.

Earl Livingston
 Permit Holder(s)

State of Idaho)
 County of Ada) ss

On this 14th day of November, 199 5, personally appeared before me
 the signer of the above instrument, duly acknowledged to me that he/she/they executed the same.

SEAL

Charles R. Curtis
 Notary Public

Charles R. Curtis
 Signature

My commission expires: 10-6-96

RECEIVED
 DEC 21 1995

Original Part

RECEIVED

NOV 14 1995

Department of Water Resources

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

PROOF OF BENEFICIAL USE

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

1. Permit No. 65-12974 Telephone No. 208-462-3765

2. Name(s) of Permit Holder(s): Earl & Fay Livingston

3. Mailing Address: HC 76 Box 4043, Garden Valley, 83622

4. Source of Water: Groundwater If GROUNDWATER (well), Date Drilled: mo. / yr. 85

a. Well Driller: Gem State Drill Drilling Permit Number: - - -

b. **OPTIONAL:**

Pump Horsepower: Pressure (psi): Dynamic pumping level (ft):

5. Use(s) (as authorized by the water right permit):

Domestic (No. of households): 3 Stockwater (No. and type of stock):

Irrigation (No. of acres): 3 Other: heating

6. Total rate of diversion and/or volume for which proof is submitted: .27 cfs OR acre feet

7. Measuring Device Requirement: (refer to the approval conditions on your permit and respond accordingly)
(This question is **not optional**. Please check either yes or no. Proofs returned not checked accordingly, will be considered incomplete)

Measuring Device: Is a measuring device required?

Yes or No X

Has the measuring device been installed?

Yes or No

Flow Measurement Port: Is a flow measurement port required?

Yes or No X

Has the measurement port been installed?

Yes or No

8. Fee Enclosed: \$ 100.00 (See Fee Schedule on back of the instructions for filing proof of beneficial use)

9. Person to contact to accompany the Department representative during field examination of the water system.

Name: same as above Telephone Number:

Address: DEC 21 1995

10. The information given on this form 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.

Signature of permit holder: Fay Livingston
(include your title, if on behalf of company or organization)

Date: 11-14-95

RECEIVED

NOV 05 1992

Department of Water Resources

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

For Office Use Only
\$15 Fee Received by [Signature]
Date 11-5-92
Receipt No. 0025935

REQUEST FOR EXTENSION OF TIME
TO PROVIDE ADDITIONAL TIME IN WHICH TO SUBMIT PROOF OF
BENEFICIAL USE FOR A WATER RIGHT PERMIT

The Idaho Department of Water Resources will consider this form as a request that the permit holder(s) be granted an additional period of time in which to complete development of water right under the provisions of Section 42-204, Idaho Code.

Permit No. 65-12974

Name(s) of Permit Holder: Earl Livingston and Fay Livingston

Mailing Address: HC 76, Box 4043, Garden Valley, Id. 83622

Date Proof is Due January 1, 1993 Telephone No. 208-462-3765

Describe what work has been completed toward the development of this water right:
(This must be filled out! If no work has been completed, show "none".)

Well has been drilled but the pump has not been put in
place.

Costing \$ 1,000 to 10,000

The permit holder(s) has been unable to complete the remainder of the work for the following reasons:

We have not sold the properties to take the water to the
property corners

Permit holder(s) request an extension to January 1, 19 98

FEE: \$15.00

Fay Livingston
(Signature)

*If other than permit holder, Power of Attorney must be supplied.

ACTION OF THE DEPARTMENT OF WATER RESOURCES

IT IS HEREBY ORDERED that the above request for extension of time be APPROVED
and the time within which to submit proof of beneficial use is
extended to January 1, 1996.

NOV 19 1992

Signed this 6th day November, 19 92

[Signature]
Chief, Water Allocation Bureau

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State of Idaho
Department of Water Resources
Permit To Appropriate Water

NO. 65-12974

Proposed Priority: February 24, 1989 Maximum Diversion Rate: 0.27 CFS

This is to certify, that **FAY LIVINGSTON**
EARL LIVINGSTON
HC 76 BOX 4043
GARDEN VALLEY, ID 83622
has applied for a permit to appropriate water from: **GROUNDWATER**
and a permit is **APPROVED** for development of water as follows:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE OF DIVERSION</u>
IRRIGATION	04/01 to 11/01	0.09 CFS
HEATING	01/01 to 12/31	0.10 CFS
DOMESTIC	01/01 to 12/31	0.08 CFS
Totals		0.27 CFS

LOCATION OF POINT(S) OF DIVERSION: NWSW Sec. 33, Township 10N, Range 04E
BOISE County

PLACE OF USE: IRRIGATION

<u>TWN RGE SEC</u>	<u>ACRES</u>	<u>ACRES</u>	<u>ACRES</u>	<u>TOTAL</u>
10N 04E 33	NWSW 3			3

Total number of acres irrigated: 3

PLACE OF USE: HEATING, same as IRRIGATION use
PLACE OF USE: DOMESTIC, same as IRRIGATION use

CONDITIONS/REMARKS:

1. Proof of construction of works and application of water to beneficial use shall be submitted on or before January 1, 1993.
2. Subject to all prior water rights.
3. Permit holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code.
4. Permit holder shall commence the excavation or construction of diverting works within one year of the date this permit is issued and shall proceed diligently until the project is complete.
5. Return flow if discharged to a subsurface system must be authorized by a separate injection well permit, and return flow if discharged to a surface water system shall meet Idaho Water Quality Standards.
6. The rate of diversion of water for irrigation under this permit and all other water rights on the same land shall not exceed 0.03 cubic feet per second for each acre of land.
7. The owner must submit a drilling prospectus for the construction of the well to the Department prior to drilling the well

MICROFILMED

FEB 27 1990

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

NO. 65-12974

CONDITIONS/REMARKS:

8. A \$5,000 performance bond must be posted with the Department prior to drilling the well. The Department reserves the right to require an increase in the bond during or subsequent to construction.
9. Domestic use is for 3 homes.

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

7 day of December, 1989.

for R. Keith Higginson
R. Keith Higginson, Director

MICROFILMED

FEB 27 1990

Ident. No. 65-12974

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

APPLICATION FOR PERMIT

To appropriate the public waters of the State of Idaho

1. Name: FAY LIVINGSTON 208-462-3765
Address: HC 76 BOX 4043
GARDEN VALLEY, ID 83622

AND/OR
Name: EARL LIVINGSTON 208-462-3765
Address: HC 76 BOX 4043
GARDEN VALLEY, ID 83622

2. Source: GROUNDWATER Trib. to:

3. Location of point of diversion:

Township	Range	Section	1/4 of	1/4 of	1/4	Lot	County
10N	04E	33	NW	SW			BOISE

4. Water will be used for the following purposes:

Purpose	From	To	CFS	(or)	AFA
HEATING	01/01	12/31	0.100		
DOMESTIC	01/01	12/31	0.080		
IRRIGATION	04/01	11/01	0.090		

5. Total quantity appropriated is:
0.270 CFS (and/or) AFA

6. Proposed diverting works:

- Description of ditches, flumes, pumps, headgates, etc.
125' DRILLED WELLS W/SUBMERSED PUMPS W/PIPELINE TO P.O.U.
- Height of storage dam feet; active reservoir capacity
acre-feet; total reservoir capacity acre-feet; period of
year when water will be diverted to storage: to inclusive.
- Proposed well diameter is 6 inches; proposed depth of well is 125
feet.
- Is groundwater with a temperature greater than 90F being sought? YES

7. Time required for the completion of the works and application of
the water to the proposed beneficial use is 5 years

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FEB 27 1990

8. Description of proposed uses:
HEAT, DOMESTIC, IRRIGATION FOR 3 HOMES

9. Description of place of use:

Township	Range	Section	1/4 of 1/4	Lot	Use	Acres
10N	04E	33	NW SW		IRR	3.0
Total Section Acres						3.0
Total Acres						3.0

10. Describe any other water rights used for the same purposes.
65-07770D

11. a. Who owns the property at the point of diversion?
APPLICANT
b. Who owns the land to be irrigated or place of use?
APPLICANT
c. If the property is owned by a person other than the applicant,
describe the arrangement enabling the applicant to make this filing.

12. Remarks:

TEMP OF WATER FROM WELLS IS APPROX. 179 DEGREES F.
*Point of diversion & place of use also known as Lot 2 Warm Spring,
Estate No. 1.*

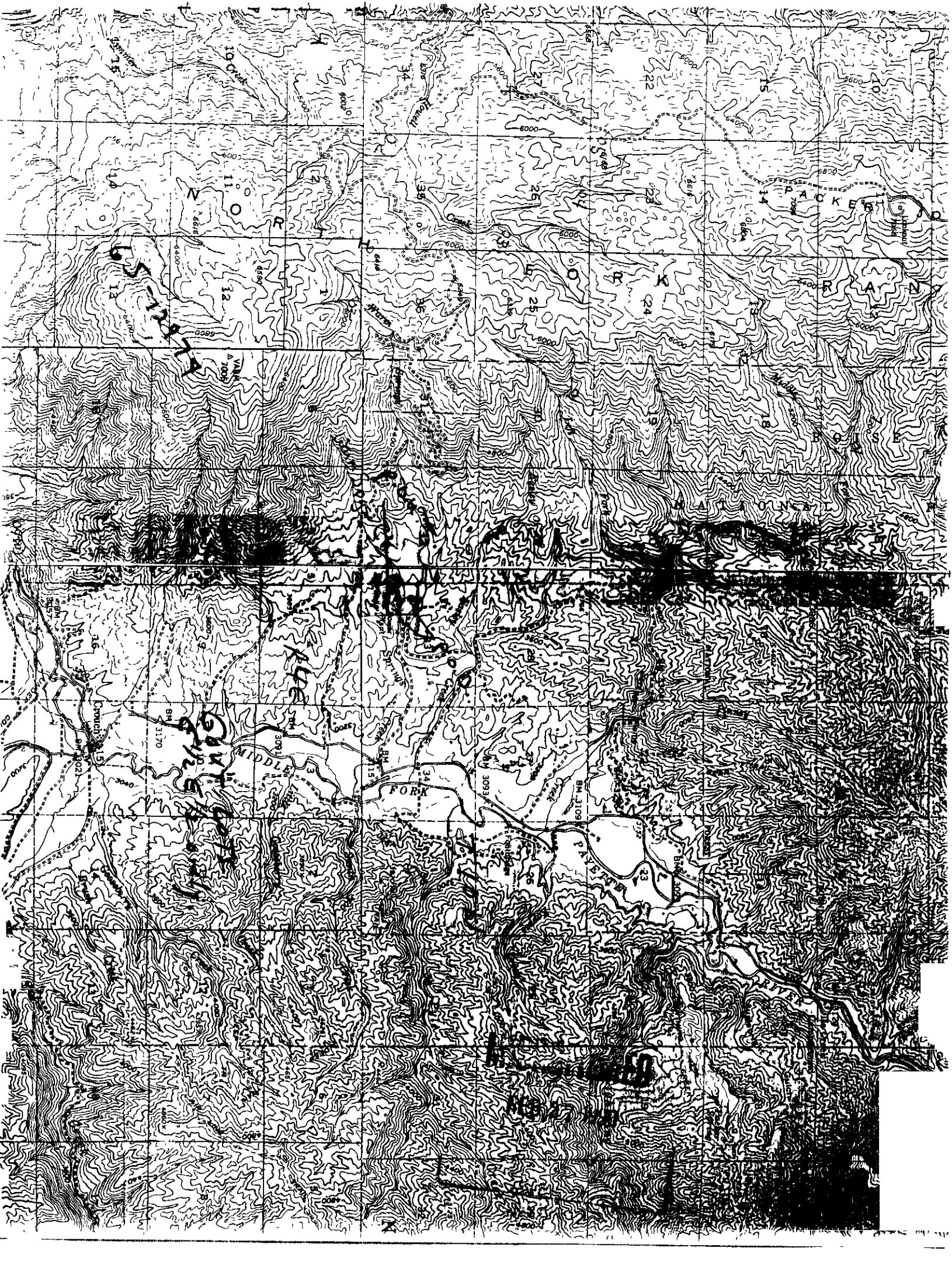
13. Map of proposed point of diversion and place of use attached? ☒

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.

Earl L. Long
Applicant

MICROFILMED

FEB 27 1990



65-12974

WARM SPRINGS ESTATES NO. 1

A SUBDIVISION IN
A PORTION OF THE SW 1/4 SECTION 33, T10N, R4E, B.M
BOISE COUNTY, IDAHO

SMITH & MONROE ENGINEERS, INC
602 MAIN ST BOISE, IDAHO



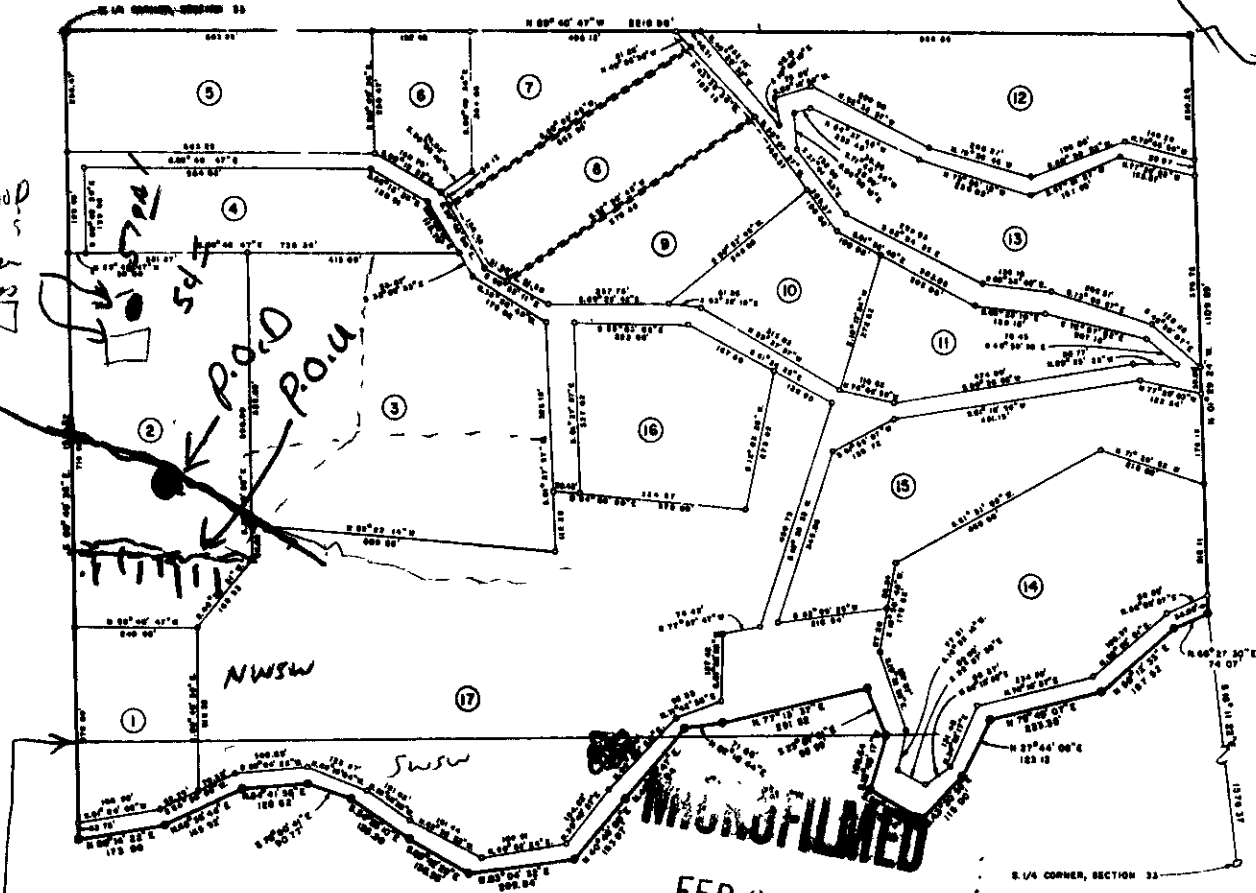
S.33

Gov't LOTS E 1/2 E 1/2 only

While this map is a photographic reproduction of that on file in either the recorder's or surveyor's office, the company assumes no liability for variation, if any, with another or re-survey

Safeco Title Insurance Company of Idaho
300 North Sixth Street
Box 2528
Boise, Idaho 83701

from field
report
JL 6/29/89
65 01770D
W 11 S
2 other
homes



Approx 1/4-1/4 line

Ident. No. 65-12974
Page 3

Received by ^{RW} ER Date 02/24/89 Time 3:30 pm Preliminary check by ER
Fee \$ ^{45.00} 20.00 Receipted by ER # W002307 Date 02/24/1989 (¹⁰) *
W003483 7/6/1989 (¹⁵)
Publication prepared by GG Date 7-12-89 Published in ID World
7/19 & 7/26/89
Publication approved at Date 8-16-89

* see com. memo of 6/29/89

RECEIVED

FEB 27 1990

ORIGINAL Fount pg,
modified per letter with

Ident. No. 65-12974

E. Livingston 6/29/89

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

APPLICATION FOR PERMIT

FL.

To appropriate the public waters of the State of Idaho

1. Name: FAY LIVINGSTON 208-462-3765
Address: HC 76 BOX 4043
GARDEN VALLEY, ID 83622

AND/OR

Name: EARL LIVINGSTON 208-462-3765
Address: HC 76 BOX 4043
GARDEN VALLEY, ID 83622

2. Source: GROUNDWATER Trib. to:

3. Location of point of diversion:

Township	Range	Section	1/4 of 1/4 of 1/4	Lot	County
10N	04E	33	NW SW		BOISE

4. Water will be used for the following purposes:

Purpose	From	To	CFS	(or)	AFA
HEATING	01/01	12/31	0.290		
DOMESTIC	01/01	12/31	0.080		
IRRIGATION	04/01	11/01	0.090		

5. Total quantity appropriated is:

0.370 CFS (and/or)

AFA

6. Proposed diverting works:

- Description of ditches, flumes, pumps, headgates, etc.
125' DRILLED WELLS W/SUBMERSED PUMPS W/PIPELINE TO P.O.U.
- Height of storage dam feet; active reservoir capacity
acre-feet; total reservoir capacity acre-feet; period of
year when water will be diverted to storage: to inclusive.
- Proposed well diameter is 6 inches; proposed depth of well is 125
feet.
- Is groundwater with a temperature greater than 90F being sought? YES

7. Time required for the completion of the works and application of
the water to the proposed beneficial use is 5 years.

MICROFILMED

FEB 27 1990

STATE OF IDAHO }

County of Boise }

Peter A. Wierenga, being duly sworn, deposes and says: that he is the manager and principal clerk of THE IDAHO WORLD, a weekly newspaper published at Idaho City, in the County of Boise and State of Idaho; the said paper has been and is in general circulation in the county aforesaid, and in the vicinity of Idaho City; that the advertisement, a copy of which is hereto attached, was published in said newspaper once a week for two (2) consecutive weeks in the entire and regular issue of every number of said paper during the period and time of publication and was published in the newspaper and not a supplement; that said paper has been established and regularly and continuously published for more than seventy-eight weeks past previous to the first publication of this notice. Such notice was published in the issue beginning with 7/19, 1989 and ending with the issue of 7/26, 1989.

Peter A. Wierenga

STATE OF IDAHO }

County of Boise }

On this 26th day of July
in the year of 1989, before me, a
Notary Public, personally appeared
Peter A. Wierenga

known or identified to me to be the person
whose name subscribed to the within
instrument, and being by me first duly sworn,
declared that the statements therein are
true, and acknowledged to me that he
executed the same.

Dean Shreve
Notary Public for Idaho
Boise, Idaho

Residing at

My commission expires: 9/14/94

MICROFILMED

FEB 27 1990

Part C



State of Idaho

DEPARTMENT OF WATER RESOURCES

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

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

PHILIP E. BATT
GOVERNOR

KARL J. DREHER
DIRECTOR

DECEMBER 6, 1995

MARTIN GOFFIN
SUE GOFFIN
HC 76 BOX 4043
GARDEN VALLEY ID 83622

RE: Permit No. 65-12974

Dear Permit Holder(s):

We acknowledge receipt of the correspondence transferring ownership of a portion of the above referenced water right to you.

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

Sincerely,

A handwritten signature in dark ink, appearing to read 'Jim Johnson', written over a horizontal line.

JIM JOHNSON, Manager
Water Right Permits Section

JJ:rl

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DEC 21 1995

DEPARTMENT OF WATER RESOURCES
PERMIT #65-12974

The following information is provided to establish beneficial use in connection with the above named permit.

CALCULATION FORMULAS

1. Design temperature difference in Garden Valley
(residential) $(70 - (-10)) = 80$
(garage) $(60 - (-10)) = 70$
2. Heat transfer average construction and double glass with more than average glass for view = .67
3. BTU/sq.ft./hr. (from water resource table) = 54
BTU/sq.ft./hr. (garage) = 47
4. Greenhouse efficiency 1.22 (from Oregon Institute of Technology) = 97.6 BTU/sq.ft./hr.

From page 7 of ERDA/INEL report (contract #E (10-1)-1548 dated 1976, states that temperature drops across a hot air coil "are usually 20°F or less but can be as much as 50°F where incoming water temperatures permit."

By use of more efficient floor radiant heat, a lower drop in temperature is achieved.

APPROVED

DEC 21 1995

PARCEL C

1,600 SQ. FT. LOT HOME (2 BEDROOM/2 BATH)
FOLLOWING TO BE COMPLETED WITHIN 3 YEARS
24 X 26 GARAGE
POOL AND SPA
12 X 24 GREENHOUSE

WATER TEMP 120*WELL AND PUMP ARE IN
IRRIGATION FOR 1 PLUS ACRE

WELL WATER @ 120* WITH LINE LOSS OF 2* DUE TO PROXIMITY
OF WELL TO STRUCTURE.
BY USE OF MORE EFFICIENT FLOOR RADIANT HEAT A TEMPERATURE
DROP OF ABOUT 18* IS ACHIEVED WITH 120* INCOMING WATER.

LOCAL EXPERIENCE HAS ESTABLISHED OUTDOOR POOL AND SPA LOAD
@ 10 GAL/MIN

HOUSE	4,000 SQ.FT.	= 54 BTU/SQ.FT.	= 86,400 BTU/HR
GARAGE	660 SQ.FT.	= 47 BTU/SQ.FT.	= 29,328 BTU/HR
GREENHOUSE	800 SQ.FT.	= 97.6 BTU/SQ.FT.	= 27,936 BTU/HR
ALL BUILDINGS TOTAL			143,664 BTU/HR

WATER @ 8.00 POUNDS/GAL
BTU = 1 LBS. H2O CHANGE 1*F
TEMP CHANGE *F = 18, THEREFORE, $143,664 \text{ BTU/HR} \div 18 = 7,981$
 $\text{LBS/HR} \div 60 = 133 \text{ LBS/MIN} \div 8 \text{ LBS/GAL} = 16.62 \text{ GAL/MIN}$
BUILDING HEAT LOAD
DOMESTIC WATER @ .02 = 8.9 GAL/MIN
IRRIGATION @ .04 = 16 GAL/MIN
POOL & SPA @ 10 GAL/MIN

TOTAL 51.52 GAL/MIN

BASED ON THE ABOVE CALCULATIONS, WE FEEL THAT 40 GAL/MIN
WILL ACHIEVE THE NECESSARY BALANCE BETWEEN HEATING IN THE
WINTER AND IRRIGATION IN THE SUMMER.

11/1/05

Part B



State of Idaho

DEPARTMENT OF WATER RESOURCES

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

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

PHILIP E. BATT
GOVERNOR

KARL J. DREHER
DIRECTOR

DECEMBER 6, 1995

JAMES GEBERT
HC 76 BOX 4043
GARDEN VALLEY ID 83622

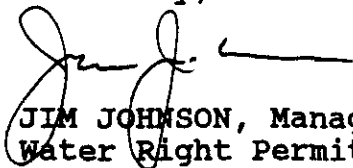
RE: Permit No. 65-12974

Dear Permit Holder(s):

We acknowledge receipt of the correspondence transferring ownership of a portion of the above referenced water right to you.

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

Sincerely,



JIM JOHNSON, Manager
Water Right Permits Section

JJ:rl

Microfilm

DEC 21 1995

PARCEL B

624 SQ FT. HEATED FRAME SHOP & GUEST HOUSE
1,600 SQ. FT. HOME COMPLETED WITHIN 5 YEARS
26 X 28 GARAGE AND SHOP
POOL AND SPA
16 X 30 GREENHOUSE

WATER TEMP 155*WELL AND PUMP ARE IN
IRRIGATION FOR 1 ACRE

BY USE OF MORE EFFICIENT FLOOR RADIANT HEAT A TEMPERATURE
DROP OF ABOUT 35* IS ACHIEVED WITH 155* INCOMING WATER

LOCAL EXPERIENCE HAS ESTABLISHED OUTDOOR POOL AND SPA LOAD
@ 10 GAL/MIN

HOUSE	2,224 SQ.FT.	= 54 BTU/SQ.FT.	= 120,096 BTU/HR
GARAGE	728 SQ.FT.	= 47 BTU/SQ.FT.	= 34,216 BTU/HR
GREENHOUSE	480 SQ.FT.	= 97.6 BTU/SQ.FT.	= 46,848 BTU/HR
ALL BUILDINGS TOTAL			201,160 BTU/HR

WATER @ 8.00 POUNDS/GAL

BTU = 1 LBS. H2O CHANGE 1*F

TEMP CHANGE *F = 35, THEREFORE, $201,160 \text{ BTU/HR} \div 35 = 5,747$

LBS/HR $\div 60 = 95.7 \text{ LBS/MIN} \div 8 \text{ LBS/GAL} = 11.97 \text{ GAL/MIN}$

BUILDING HEAT LOAD

DOMESTIC WATER @ .02 = 8.9 GAL/MIN

IRRIGATION @ .04 = 16 GAL/MIN

POOL & SPA @ 10 GAL/MIN

TOTAL 46.87 GAL/MIN

BASED ON THE ABOVE CALCULATIONS, WE FEEL THAT 40 GAL/MIN
WILL ACHIEVE THE NECESSARY BALANCE BETWEEN HEATING IN THE
WINTER AND IRRIGATION IN THE SUMMER.

DEC 21 1995

DEPARTMENT OF WATER RESOURCES
PERMIT #65-12974

The following information is provided to establish beneficial use in connection with the above named permit.

CALCULATION FORMULAS

1. Design temperature difference in Garden Valley
(residential) $(70 - (-10)) = 80$
(garage) $(60 - (-10)) = 70$
2. Heat transfer average construction and double glass with more than average glass for view = .67
3. BTU/sq.ft./hr. (from water resource table) = 54
BTU/sq.ft./hr. (garage) = 47
4. Greenhouse efficiency 1.22 (from Oregon Institute of Technology) = 97.6 BTU/sq.ft./hr.

From page 7 of ERDA/INEL report (contract #E (10-1)-1548 dated 1976, states that temperature drops across a hot air coil "are usually 20°F or less but can be as much as 50°F where incoming water temperatures permit."

By use of more efficient floor radiant heat, a lower drop in temperature is achieved.

1995

1. The first part of the document is a list of the names of the people who were present at the meeting.

Part A



State of Idaho

DEPARTMENT OF WATER RESOURCES

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

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

PHILIP E. BATT
GOVERNOR

KARL J. DREHER
DIRECTOR

DECEMBER 6, 1995

RICHARD ANDREWS
SUZANNE ANDREWS
HC 76 BOX 4043
GARDEN VALLEY ID 83622

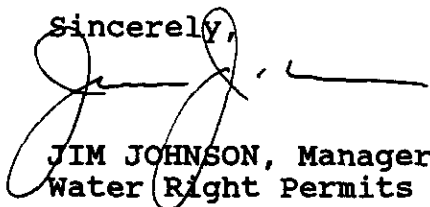
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If you have any questions regarding this matter, please feel free to contact us.

Sincerely,



JIM JOHNSON, Manager
Water Right Permits Section

JJ:rl

RECEIVED

DEC 21 1995

PARCEL A

2,500 SQ. FT. LOT HOME (6 BEDROOM/4 BATH)
1,500 SQ. FT. NEXT SPRING (ADDITIONAL FINISHED WITHIN 3 YEARS)
3 CAR GARAGE
POOL AND SPA
20 X 40 GREENHOUSE

WATER TEMP 155*WELL AND PUMP ARE IN
IRRIGATION FOR 1 ACRE

BY USE OF MORE EFFICIENT FLOOR RADIANT HEAT A TEMPERATURE
DROP OF ABOUT 35* IS ACHIEVED WITH 155* INCOMING WATER

LOCAL EXPERIENCE HAS ESTABLISHED OUTDOOR POOL AND SPA LOAD
@ 10 GAL/MIN

HOUSE	4,000 SQ.FT.	= 54 BTU/SQ.FT.	= 216,000 BTU/HR
GARAGE	660 SQ.FT.	= 47 BTU/SQ.FT.	= 31,020 BTU/HR
GREENHOUSE	800 SQ.FT.	= 97.6 BTU/SQ.FT.	= 78,080 BTU/HR
ALL BUILDINGS TOTAL			325,100 BTU/HR

WATER @ 8.00 POUNDS/GAL
BTU = 1 LBS. H2O CHANGE 1°F
TEMP CHANGE °F = 35, THEREFORE, $325,000 \text{ BTU/HR} \div 35 = 9,285$
 $\text{LBS/HR} \div 60 = 154.7 \text{ LBS/MIN} \div 8 \text{ LBS/GAL} = 19.33 \text{ GAL/MIN}$
BUILDING HEAT LOAD
DOMESTIC WATER @ .02 = 8.9 GAL/MIN
IRRIGATION @ .04 = 16 GAL/MIN
POOL & SPA @ 10 GAL/MIN

TOTAL 54.23 GAL/MIN

BASED ON THE ABOVE CALCULATIONS, WE FEEL THAT 40 GAL/MIN
WILL ACHIEVE THE NECESSARY BALANCE BETWEEN HEATING IN THE
WINTER AND IRRIGATION IN THE SUMMER.

DEC 21 1995

DEPARTMENT OF WATER RESOURCES
PERMIT #65-12974

The following information is provided to establish beneficial use in connection with the above named permit.

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4. Greenhouse efficiency 1.22 (from Oregon Institute of Technology) = 97.6 BTU/sq.ft./hr.

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By use of more efficient floor radiant heat, a lower drop in temperature is achieved.

DEC 21

Original

Permit No. 65-12974 Reviewed by [Signature] Date 8-11-27-95

Proof Made 11-14-95



State of Idaho

DEPARTMENT OF WATER RESOURCES

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

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

PHILIP E. BATT
GOVERNOR

KARL J. DREHER
DIRECTOR

November 27, 1995

EARL & FAY LIVINGSTON
HC 76 BOX 4043
GARDEN VALLEY ID 83622

PROOF ACKNOWLEDGEMENT LETTER

RE: PERMIT NO. 65-12974

Dear Permit Holder:

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

The next step in the process of developing a water right is for the department to conduct a field examination to determine and confirm the use being made of the water.

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

Sincerely,

JULIE L. YARBROUGH
Senior Secretary

c: IDWR - Region

MICROFILMED

DEC 21 1995

October 31, 1995

FAY LIVINGSTON
EARL LIVINGSTON
HC 76 BOX 4043
GARDEN VALLEY ID 83622

PROOF DUE NOTICE

RE: PERMIT NO. 65-12974

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, 1996. (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.

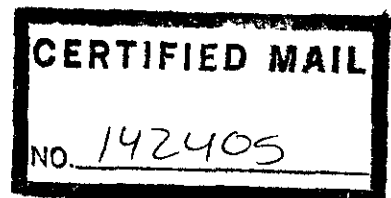
Either an acceptable proof of beneficial use submittal or an acceptable request for an extension of time must be received by this department on or before the above described proof due date. If neither is received, the department will send you a lapse notice. Within sixty (60) days of the mailing of the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

SINCERELY,

JULIE L. YARBROUGH
Senior Secretary

Enclosures

DEC 21 1995





State of Idaho

DEPARTMENT OF WATER RESOURCES

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

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

CECIL D. ANDRUS
GOVERNOR

R. KEITH HIGGINSON
DIRECTOR

November 6, 1992

Earl and Faye Livingston
HC 76 Box 4043
Garden Valley, ID 83622

Re: Permit No. 65-12974

Dear Permit Holder:

Enclosed is a copy of the approved request for extension of time. The time within which to submit proof of beneficial use is extended to January 1, 1996. Please note that the department has granted this extension based on due diligence. It is important that you work diligently toward the completion of this project during the construction period allowed. The department may not be able to grant additional requests.

If you have any questions or if I can be of any further assistance, please feel free to contact this office.

Sincerely,

Karen L. Gustafson
Secretary/Records Manager

Enclosure

C: IDWR-Regional Office

MICROFILMED
NOV 19 1992

**ANALYSIS SHEET
FOR
EXTENSION OF TIME**

Permit No. 65-12974 Reviewed by Klg Date 11/5/92

BASIC INFORMATION

11/5/92 Date stamp received
yes Extension received timely
yes Fee received and receipted
yes Name and signature same as permit
no Address Change

BASIS FOR EXTENSION REQUEST

yes Has adequate work been completed to demonstrate due diligence?
Has the permit been involved in litigation?
Is supporting documentation needed to complete the file? Requested?
Is delay by a government agency?
Is supporting documentation needed to complete the file? Requested?
Is the project more than 25,000 acre feet for irrigation or 10,000 acre feet for a reservoir?

ACTION TAKEN

*Recommend
approval Based on due diligence
Extend to ~~at~~ 11/1/96*

PRIORITY CALCULATION

Date extension received	<u>NA</u>	=	_____
Proof due date	<u>/</u>	=	_____
Number of days late	<u>/</u>	=	_____
Priority date	<u>/</u>	=	_____
New Priority Date	<u>/</u>	=	_____

DATA ENTRY

New Address _____
Change Proof Due Date 11/6/92 Klg
Change Priority Date _____

October 31, 1992

FAY LIVINGSTON
EARL LIVINGSTON
HC 76 BOX 4043
GARDEN VALLEY ID 83622

PROOF DUE NOTICE

RE: PERMIT NO. 65-12974

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, 1993. (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.

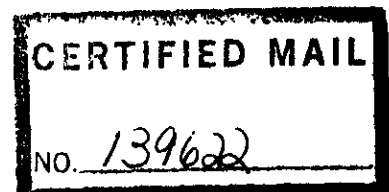
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Either an acceptable proof of beneficial use submittal or an acceptable request for an extension of time must be received by this department on or before the above described proof due date. If neither is received, the department will send you a lapse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

SINCERELY,

Karen L. Gustafson
Secretary/Records Manager

Enclosures



RECORDED

NOV 19 1992

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

Statehouse
Boise, Idaho 83720
(208) 327-7900
December 8, 1989

FAY LIVINGSTON
EARL LIVINGSTON
HC 76 BOX 4043
GARDEN VALLEY, ID 83622

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

RE: PERMIT NO. P65-12974

Dear Permit Holder:

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

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

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

Please note the requirement that as a permit holder you must commence the excavation or construction of diverting works within one year of the date the permit was issued, and you must proceed diligently until the project is completed. The enclosed blue card must be completed and returned to this office as soon as you commence construction, no later than one year from the date the permit was approved.

RECEIVED

FEB 27 1990

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

Sincerely,

GARY SPACKMAN, Supervisor
Water Right Permits Section

GS: SC
Enclosures

MICROFILMED

FEB 27 1990

7/2 512 102 46 5.57 1125W

Form No. 202a.
3/89

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPROPRIATION APPLICATION ANALYSIS SHEET

INITIAL REVIEW BY: SL DATE: 6/23/89 APPLICATION: 65-12974

REQUIRED INFORMATION

- ☒ Name: (If applicant is a corporation or partnership, names and addresses for the director, officers, and other partners must be included.)
- ☒ Address:
- ☒ Source: (See USGS Quad for names of water sources)
- ☒ Point of Diversion: (10 acres for spring, lot & block descriptions for Subdivisions, local name)
- ☒ County:
- ☒ Quantity: (flow and/or volume) See attachments A & B
- ☒ Period of use:
- ☒ Nature of proposed use: (Include description of use)
- ☒ Description of diverting works:
- ☒ Time required for beneficial use of water:
- ☒ Place of use or acres irrigated:
- ☒ Map:
- ☒ Signature: (If applicant is corp., partnership, or municipality, title of signatory is required)
- ☒ Fee:
- ☒ Yes ☐ No* In form to receipt:

Gov't. Lots:
N P/D
N P/U

ADDITIONAL INFORMATION

- | YES | NO | |
|-------------------------------------|--------------------------|--|
| ☒ | ☐ | Overlapping place of use: (Describe source & relationship to present application on the back.) |
| ☒ | ☐ | Overlapping point of diversion: |
| ☐ | ☐ | Field check required: Field check by: _____ |
| ☐ | ☐ | Field report attached: |
| ☐ | ☐ | Critical groundwater area: |
| ☐ | ☐ | Groundwater management area: |
| ☐ | ☐ | Diversion within interim protected river area |
| ☐ | ☐ | Send dam safety information: |
| ☐ | ☐ | Send power requirement letter: |
| ☐ | ☐ | Send fish farm requirement letter: _____ |
| ☐ | ☐ | Power residency affidavit: |
| ☐ | ☐ | Power efficiency form: |
| ☐ | ☐ | Within trust water boundary: (If yes, attach Trust Water Supplementary Analysis Sheet.) |
| ☐ | ☐ | Diversion greater than 5 cfs or 500 af: (If yes, attach supplementary analysis sheet.) |
| ☒ | ☐ | *REQUEST ADDITIONAL INFORMATION FROM THE APPLICANT |

Adjusting flow rate for hatching, need additional fee?

DATE REQUESTED: 6/29/89 per telephone, SEP 02 1989 6/29/89

☒ Additional information on reverse side:

RECEIVED

Department of Water Resources

PROCESSING

APPLICATION NO.

65-12974

YES NO

☒ ☒
☒ ☐

In form for advertising:

Statewide advertising:

Fee amount, receipt number and date recorded on application:

SEND COPIES TO

YES NO

☐ ☒
☐ ☒
☐ ☒
☐ ☒

I.D. Health and Welfare

I.D. Fish and Game

I.D. Lands

Adjudication Bureau

YES NO

☐ ☒
☐ ☒
☐ ☒
☐ ☒

U.S. BLM

U.S. Forest Svc.

Water Dist. #

Other

FINAL REGIONAL PROCESSING REVIEW

YES NO

☒ ☐
☒ ☐

Affidavit of publication received:

Application published correctly: If not, record action taken.

☒ ☐
☒ ☐

Publication dates and paper recorded on application:

Protests received. Final date for protest August 7, 1989

Protest dates, resolution of protest recorded on application:

Recommendations attached:

Measuring device required:

Measuring port required:

Water delivered by water master? District # 65-P05

Special conditions of approval or cover letter:

See below for additional information

Recommended Date or Priority

2/24/1989

Recommended by:

DNE

Date 9/1/1989

STATE OFFICE REVIEW

P05, P23

P17

46 26 09C

26 (2 below)

11-30-89

See below for additional information. By

Date

9-29-89

ADDITIONAL INFORMATION

Overlap - NONE SIGNIFICANT:

P10

Other wells: 65-07770 - well just north of apph well (is on applicants'

microfide shows them } property but for different homestead

incorrectly in NESW but

65-07770C 2 wells in lot 17, Schulz' property just east

located for NWSW.

of Applicants' land.

65-07595 & 12287.

Surface water: 17 Rights.

P12

65-07770 (see P10) for other heating/steam on different structures on

applicants' land.

The other wells shown in P10 plus 65-12776 are different g. water for other

sites.

7 surface H2O Rights for other property.

Sent memo
to
SLanda G.
6/29/89
about this

LOW TEMP. GEOTHERMAL APPS.

- ★** ① The owner must submit a drilling prospectus for the construction of the well to the Department prior to drilling the well.
- ★** ② A \$5,000. performance bond must be posted with the Department prior to drilling the well. The Department reserves the right to require an increase in the bond during or subsequent to construction.

CONVERSATION MEMORANDUM

DATE 6/29/89FILE 65-12974NAME OF PARTY Earl Livingston 462-3765EMPLOYEE Steve LesteRE: Attachment B comparing my analysis with Attach. A,
result $\approx$.10 cts heating.Reduce heating in appl. from .29 to .10 cts? yes ✓Add 3 rates or limit total to .20 cts?heat .10Dom .08irrig .09.27 or cap at .20 based on \$30 fee paidfor → Will send \$15 to allow .27 cts appl. ✓Said that his neighbor who Schulz prepared calc. in
Attach A. Mentioned that Mr Schulz is not an
engineer but is knowledgeable about such systems.65-077700 is different well for other structures
those in application. See subd. A.**MICROFILMED**NOTE

FEB 27 1990

Mr. Livingston visited office a number of times to
complete details of application. (from 2/24/89 through June 1989)

Attachment A

APPLICATION FOR PERMIT
EARL & FAY LIVINGSTON

Calculations by
W. Schulz of
Garden Valley, per
telephone with E. Livingston,
6/29/89
SL.

The following is used to calculate flow requirements.

1. Design temperature difference in Garden Valley
(70-(-10)) = 80
2. Heat transfer average construction and double glass
with more than average glass for view .67.
3. BTU/ sq. ft/hr (from water resource table) = 54

Thus, heat load = 54 BTU/ sq. ft /hr x 2200 sq. ft house
= 118,800 BTU/hr

From page 7 of ERDA/INEL report (contract #E (10-1)-1548 dated 1976, states that temperature drops across a hot air coil "are usually 20 F or less but can be as much as 50 F where incoming water temperatures permit." Personal experience has shown that we can achieve about 40 with 165 input water by use of high efficiency coils. The water Temp at the source is 175 with a line loss of 10 over 500 ft. distance using 2" CPVC pipe flowing at 40 gpm.

Thus, the heat output is equal to pounds of water/hr x 40 heat drop = 118,800 BTU/hr. Pounds of water = 118,800/40=2970
Therefore, 2970/60=49.5 lbs/min or 49.5/8.3 = 5.96 gal/min.
3 houses x 5.96 = 17.89

The greenhouse will be 20 x 40 = 800 sq. ft.
Efficiency = 1.22 x 80 design temp difference = 97.6 BTU/hr/ft.
OR 97.6 x 800/40/60/8.3 = 3.9 gal/min
NOTE: 1.22 from Oregon Institute of Technology studies.

16 x 32 swimming pool (not enclosed) requires 12 gpm to maintain 100 F , especially during snow or slight wind. This is actual experience measuring flow-through in existing pools.

Additional Use:

All discharge lines are routed to remove snow from driveways, sidewalks and decks. In addition, roofs are heated to move snow and prevent ice from plugging drains.

Garage: 22 x 24 = 528 sq. ft
Design Temp 60
Thus, $t_i - t_o = 70$ $e = .67$
Therefore, BTU/hr/sq.ft = 47
47 x 528/40/60/8.3 = 1.2 gal/min
3 garages x 1.2 = 3.6

29 Heat
1.08
3.7

MICROFILMED

FEB 27 1990

APPLICATION FOR PERMIT
EARL & FAY LIVINGSTON

RECAP GAL/MIN

House	17.89
Greenhouse	3.9
Garage	3.6
Pool & Hot tub	12.0

37.39

15% allowance for error
in water input temp. &
efficiency

5.6

42.99

$42.99/7.48/60$
 $= .095 \text{ cu ft/sec}$

Future use: Expansion system cooling thus, we would propose
energy use 12 mos/yr

MICROFILMED

FEB 27 1990

Comparing Appl. Processing, rev 23 method with Applicants' Information

8/23/89

- 3 homes
- 3 garages
- 1 pool/tub
- 1 greenhouse

TABLE METHOD

V.

Applicants' Method
Attachment A

3 homes

$$E = (e \cdot \Delta T)(A)(3) = [(0.67)(70 - (-10))](2200)(3) = 353,760 \text{ BTU/hr.}$$

$$W = \frac{Q}{500(\Delta T_s)} = \frac{353760}{500[(0.6)(175 - 70)]} = 11.23 \text{ gpm}$$

17.89 gpm

3 garages

$$E = [(0.67)(60 - (-10))](528)(3) = 74,290 \text{ BTU/hr.}$$

$$W = \frac{74290}{500[(0.6)(175 - 60)]} = 2.15 \text{ gpm}$$

3.60 gpm

1 greenhouse

$$E = (1.22)(70 - (-10))(800) = 78,080 \text{ BTU/hr.}$$

$$W = \frac{78080}{500[(0.6)(175 - 70)]} = 2.48 \text{ gpm}$$

3.90 gpm

1 pool/tub

Accept the 12 gpm estimate; no info found to confirm or deny this.

12.00 gpm

ADD 15% error as Applicant did

4.12 gpm

TOTAL

FEB 27 1990

31.98 = 32 gpm

43 gpm

(102 cfs)

(1.44 cfs)

Recommend allowing 10 cfs. This gives Applicant the benefit of any doubt in estimates. However, after original application total

65-12974

LIVINGSTON, FAY
LIVINGSTON, EARL
HC 76 BOX 4043
GARDEN VALLEY, ID 83622

Source: GROUNDWATER

Diversion Pt: NWSW Sec 33 T 10N R 04E

Use: HEATING	(.100 CFS)
DOMESTIC	(.080 CFS)
IRRIGATION	(.090 CFS)

Date Filed: 2/24/1989

In: T10N R04E S33 NWSW

3.0 ACRES TOTAL

MICROFILMED

FEB 27 1990