

RECEIVED

SEP 02 2015

WATER RESOURCES
WESTERN REGIONSTATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT
To appropriate the public waters of the State of IdahoIdent. No. 63-34138

1. Name of applicant(s) Justin Christensen, Sunny Christensen Phone _____
 Name connector (check one): ☒ and ☐ or ☐ and/or

Mailing address 8571 Bennett Rd. City Nampa
 State ID Zip 83686 Email _____

2. Source of water supply groundwater which is a tributary of _____
 3. Location of point(s) of diversion:

TWP	RGE	SEC	Govt Lot	¼	¼	¼	County	Source	Local name or tag #
2N	2W	34		NE	NE	NW	Canyon	groundwater	

4. Water will be used for the following purposes:

Amount 0.04 cfs for domestic purposes from 1/1 to 12/31 (both dates inclusive)
 (cfs or acre-feet per year)

Amount 0.04 cfs for heating purposes from 1/1 to 12/31 (both dates inclusive)
 (cfs or acre-feet per year)

Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
 (cfs or acre-feet per year)

Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
 (cfs or acre-feet per year)

5. Total quantity to be appropriated is (a) 0.04 cubic feet per second (cfs) and/or (b) _____ acre feet per year (af).

6. Proposed diverting works:

a. Describe type and size of devices used to divert water from the source. existing LTG well; 8" casing; 242' deep; 124°F bottom hole temperature

b. Height of storage dam _____ feet; active reservoir capacity _____ acre-feet; total reservoir capacity _____ acre-feet. If the reservoir will be filled more than once each year, describe the refill plan in item 11. For dams 10 feet or more in height OR reservoirs with a total storage capacity of 50 acre-feet or more, submit a separate Application for Construction or Enlargement of a New or Existing Dam. Application required? ☐ Yes ☒ No

c. Proposed well diameter is 8 inches; proposed depth of well is 242 feet.

d. Is ground water with a temperature of greater than 85°F being sought? ☒ Yes ☐ No

e. If well is already drilled, when? 1994; drilling firm Robinson Well Drilling;
 well was drilled for (well owner) Larry Wheaton; Drilling Permit No. 63-94-W-0661-000.

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

a. Hydropower; show total feet of head and proposed capacity in kW. _____

b. Stockwatering; list number and kind of livestock. _____

c. Municipal; complete and attach the Municipal Water Right Application Checklist.

d. Domestic; show number of households 1 single-family home, in-house use only

e. Other; describe fully. geothermal heat in home and shop

8. Description of place of use:

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

TWP	RGE	SEC	NE				NW				SW				SE				TOTALS
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
2N	2W	34					D,H												

Total number of acres to be irrigated: _____

9. Describe any other water rights used for the same purposes as described above. Include water delivered by a municipality, canal company, or irrigation district. If this application is for domestic purposes, do you intend to use this water, water from another source, or both, to irrigate your lawn, garden, and/or landscaping?

None.

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

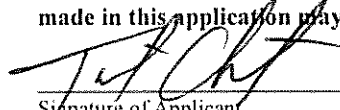
11. Describe your proposal in narrative form, and provide additional explanation for any of the items above. Attach additional pages if necessary.

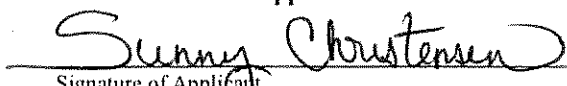
Applicant purchased a home with an existing low-temperature geothermal well and seeks authorization to continue using the well for domestic and heating purposes. The well is used to heat a home and large shop, and is also used for in-home domestic use. Irrigation water for the lawn and landscaping is supplied by water right 63-3181, which also has a geothermal source of supply. No cold-water well is available on the site.

12. Time required for completion of works and application of water to proposed beneficial use is 5 years (minimum 1 year).

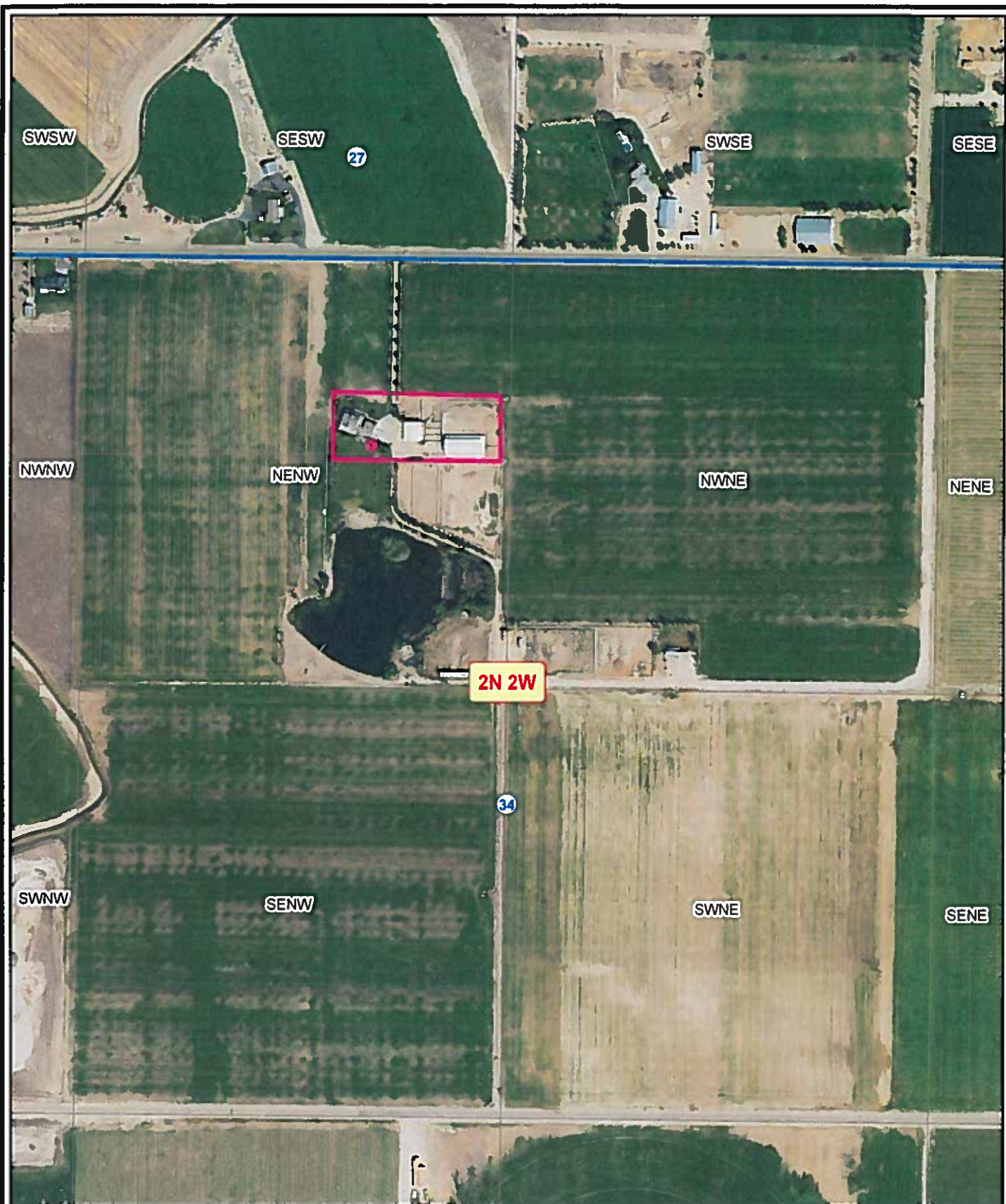
13. **MAP OF PROPOSED PROJECT REQUIRED** - Attach an 8 1/2" x 11" map clearly identifying the proposed point of diversion, place of use, section #, township & range. A photocopy of a USGS 7.5 minute topographic quadrangle map is preferred.

The information contained in this application is true to the best of my knowledge. I understand that any willful misrepresentations made in this application may result in rejection of the application or cancellation of an approval.


Signature of Applicant
Justin Christensen
Print Name (and title, if applicable)


Signature of Applicant
Sunny Christensen
Print Name (and title, if applicable)

Received by ad Date 9/2/15 Time 2:00 Preliminary check by ph
Fee \$ 100⁰⁰ Received by ad Receipt No. W043457 Date 9/2/15



EXPLANATION

● Proposed Point of Diversion

□ Proposed Place of Use

Application for Permit - Domestic Use
Justin and Sunny Christensen

27

500

Feet



63-34138

FORWARD WHITE COPY TO WATER RESOURCES

2N 2W 34 NE NW
Ralph Robinson

55501

63-94-W-0661-000

Number	Depth in Feet	Ohms Res Aug11/94	Temp. oC	Temp. oF
0	0	72.08	30.045	86.08
1	16.25	76.29	28.51	83.32
2	32.65	82.25	26.47	79.65
3	49.05	83.71	25.987	78.78
4	65.45	83.86	25.94	78.69
5	81.85	82.85	26.27	79.29
6	98.25	79.89	27.26	81.07
7	114.65	72.85	29.76	85.57
8	131.05	66.95	32.03	89.65
9	147.45	60.46	34.763	94.57
10	163.85	45.59	42.3	108.14
11	180.25	43.55	43.52	110.336
12	196.65	40.58	45.415	113.75
13	213.05	37.77	47.335	117.2
14	229.45	34.84	49.51	121.12
15	245.85	32.93	51.03	123.8
16	262.25	0	0	0
17				

gwc

MICROFILMED

MAY 08 1995

Neely, Rachel

From: Neely, Rachel
Sent: Wednesday, November 25, 2015 12:27 PM
To: 'legals@idahopress.com'
Subject: Canyon Legal Ads
Attachments: Canyon Cover Letter.docx; Canyon Legal Ad.docx

Good Afternoon Legal Clerk,

Please see the attached ads for publication on 12/3/15 & 12/10/15.

Please confirm these are okay to publish as shown.

Thank you,

Rachel Neely

Administrative Assistant I
IDWR-Western Region
2735 Airport Way Boise, ID 83705
Rachel.Neely@idwr.idaho.gov

November 25, 2015

LEGAL NOTICE DEPARTMENT
PRESS TRIBUNE
PO BOX 9399
NAMPA, ID 83652

RE: Application for Permit No. 63-34138
 Application for Permit No. 63-34139
 Application for Permit No. 63-34142
 Application for Permit No. 63-34147
 Application for Permit No. 63-34161
 Application for Extension to Avoid Forfeiture of a Water Right No. 63-2712
 Application for Extension to Avoid Forfeiture of a Water Right No. 63-2955
 Application for Extension to Avoid Forfeiture of a Water Right No. 63-3099
 Application for Extension to Avoid Forfeiture of a Water Right No. 2-7109
 Application for Extension to Avoid Forfeiture of a Water Right No. 63-34150
 Application for Extension to Avoid Forfeiture of a Water Right No. 63-34151

Dear Legal Notice Department:

Please publish the enclosed legal notices on the dates indicated (once a week for two consecutive weekly issues). If you cannot publish the notices on the proposed dates, please contact us immediately.

An affidavit of publication must be submitted to the Department along with the publication bill. Please send the affidavit and bill to this office before 12/21/2015. Your cooperation is appreciated.

Sincerely,

Rachel Neely
Administrative Assistant

Enclosure(s)

The following applications have been filed to appropriate the public waters of the State of Idaho:

63-34138

JUSTIN CHRISTENSEN
SUNNY CHRISTENSEN
8571 BENNETT RD
NAMPA, ID 83686
Point of Diversion NENW S34 T02N R02W CANYON County Source GROUND WATER
Use: DOMESTIC 01/01 to 12/31 0.04 CFS
Use: HEATING 01/01 to 12/31 0.04 CFS
Total Diversion: 0.04 CFS
Date Filed: 9/2/2015
Places of Use: DOMESTIC, HEATING
T02N R02W S34 NENW
Water bearing zone to be appropriated is from 154 to 242 feet.

63-34139

DIXIE LAND LLC
22993 HOWE RD
CALDWELL, ID 83607
Point of Diversion L1(NENE) S1 T04N R05W CANYON County Source NORTH DRAIN Tributary DIXIE SLOUGH
Use: IRRIGATION 03/01 to 11/15 1.06 CFS
Total Diversion: 1.06 CFS
Date Filed: 9/8/2015
Place of Use: IRRIGATION
T04N R05W S1 L1(NENE) L2(NWNE)
Total Acres: 53

63-34142

SCHOBER & SON LLC
430 AURORA DR
NAMPA, ID 83686
Point of Diversion SWSE S19 T03N R02W CANYON County Source GROUND WATER
Use: IRRIGATION 03/01 to 11/15 0.94 CFS
Total Diversion: 0.94 CFS
Date Filed: 9/14/2015
Place of Use: IRRIGATION
T03N R02W S19 NWSE SWSE
Total Acres: 47
Water bearing zone to be appropriated is from 100 to 350 feet.

63-34147

MIKE SKOGSBERG
DIAMOND S FARMS LLC
23460 STAFFORD RD
CALDWELL, ID 83607
Point of Diversion SENE S25 T05N R04W CANYON County Source GROUND WATER
Use: IRRIGATION 03/01 to 11/15 3 CFS
Total Diversion: 3 CFS
Date Filed: 9/17/2015
Place of Use: IRRIGATION
T05N R03W S30 L2(SWNW) NESW L3(NWSW)
T05N R04W S25 SWNE SENE SWSW SESW NESE SESE
Total Acres: 301
Water bearing zone to be appropriated is from 40 to 240 feet. Applicant proposes irrigating 200 acres.

63-34161

AMELIA RASMUSSEN
TIMOTHY RASMUSSEN
1281 LA REATA WAY
MIDDLETON, ID 83644
Point of Diversion SWSE S2 T05N R03W CANYON County Source GROUND WATER
Use: DOMESTIC 01/01 to 12/31 0.04 CFS
Use: IRRIGATION 03/01 to 11/15 0.2 CFS
Use: STOCKWATER 01/01 to 12/31 0.02 CFS
Total Diversion: 0.26 CFS
Date Filed: 11/4/2015
Places of Use: DOMESTIC, IRRIGATION, STOCKWATER
T05N R03W S2 SWSE
Total Acres: 10

Water bearing zone to be appropriated is from 200 to 450 feet.

**EXTENSION OF TIME TO AVOID
FORFEITURE OF WATER RIGHT**

Kasper Land & Cattle LLC of 3349 Hill Rd, Melba 83641 filed an application on November 12, 2015 proposing an Extension of Time to Avoid Forfeiture of 5 years for Water Right No. 63-2712 with a 1950 priority from ground water totaling 1.80 cfs. The right holder proposes nonuse of the right due to a temporary reduction in land irrigated with surface water during integration of multiple water rights and irrigation systems. The right serves property located immediately east of Walters Ferry Bridge and State Hwy 45, north of the Snake River.

**EXTENSION OF TIME TO AVOID
FORFEITURE OF WATER RIGHT**

Kasper Land & Cattle LLC of 3349 Hill Rd, Melba 83641 filed an application on November 12, 2015 proposing an Extension of Time to Avoid Forfeiture of 5 years for Water Right No. 63-2955 with a 1953 priority from ground water totaling 5.00 cfs. The right holder proposes nonuse of the right due to a temporary reduction in land irrigated with surface water during integration of multiple water rights and irrigation systems. The right serves property located immediately east of Walters Ferry Bridge and State Hwy 45, north of the Snake River.

**EXTENSION OF TIME TO AVOID
FORFEITURE OF WATER RIGHT**

Kasper Land & Cattle LLC of 3349 Hill Rd, Melba 83641 filed an application on November 12, 2015 proposing an Extension of Time to Avoid Forfeiture of 5 years for Water Right No. 63-3099 with a 1956 priority from ground water totaling 3.70 cfs. The right holder proposes nonuse of the right due to a temporary reduction in land irrigated with surface water during integration of multiple water rights and irrigation systems. The right serves property located immediately east of Walters Ferry Bridge and State Hwy 45, north of the Snake River.

**EXTENSION OF TIME TO AVOID
FORFEITURE OF WATER RIGHT**

Kasper Land & Cattle LLC of 3349 Hill Rd, Melba 83641 filed an application on November 12, 2015 proposing an Extension of Time to Avoid Forfeiture of 5 years for Water Right No. 2-7109 with a 1973 priority from the Snake River totaling 11.87 cfs. The right holder proposes nonuse of the right due to a temporary reduction in land irrigated with surface water during integration of multiple water rights and irrigation systems. The right serves property located immediately east of Walters Ferry Bridge and State Hwy 45, north of the Snake River.

**EXTENSION OF TIME TO AVOID
FORFEITURE OF WATER RIGHT**

Stephen H and Connie J Farden of 1708 Primrose Drive, Nampa, ID 83686 filed an application on 10-28-15 proposing an Extension of Time to Avoid Forfeiture of 5 years for Water Right No. 63-34150 with a 1963 priority from ground water totaling .08 cfs. The right holder is a new property owner who desires to put the 2009 decreed right to use, but needs time to repair the system. The right serves property located on the corner of Primrose Drive and South Powerline Road in Nampa.

**EXTENSION OF TIME TO AVOID
FORFEITURE OF WATER RIGHT**

John P and Shauna R Mullins of 3423 Portland Ave, Nampa, ID 83686 filed an application on 10-29-15 proposing an Extension of Time to Avoid Forfeiture of 5 years for Water Right No. 63-34151 with a 1963 priority from ground water totaling .07 cfs. The right holder is a new property owner who desires to put the 2009 decreed right to use, but needs time to repair the system. The right serves property located on the corner of Primrose Drive and South Powerline Road in Nampa.

Permits will be subject to all prior water rights. For additional information concerning the property location, contact Western Region office at (208) 334-2190; or for a full description of the right(s) or proposed extension(s) please see www.idwr.idaho.gov/WaterManagement/WaterRights. Protests may be submitted based on the criteria of Idaho Code §§ 42-203A and 42-222. Any protest against the approval of the application(s) must be filed with the Director, Dept. of Water Resources, Western Region, 2735 Airport Way, Boise, ID 83705 together with a protest fee of \$25.00 for each application on or before 12-21-2015. The protestant must also send a copy of the protest to the applicant.

GARY SPACKMAN, Director

Published on 12/3/2015 and 12/10/2015



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region, 2735 Airport Way • Boise, Idaho 83705-5082

Phone: (208) 334-2190 • Fax: (208) 334-2348 • Web Site: www.idwr.idaho.gov

C. L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

November 25, 2015

JUSTIN CHRISTENSEN
SUNNY CHRISTENSEN
8571 BENNETT RD
NAMPA, ID 83686

Application for Permit No. 63-34138

Dear Applicant(s):

The Department of Water Resources has received your water right application. Please refer to the number referenced above in all future correspondence regarding this application.

A legal notice of the application has been prepared and is scheduled for publication in the PRESS TRIBUNE on 12/3/2015 and 12/10/2015. Protests to this application may be submitted for a period ending ten (10) days after the second publication.

If the application is protested, you will be sent a copy of each protest. All protests must be resolved before the application can be considered for approval. If the protest(s) cannot be resolved voluntarily, the Department will conduct a conference and/or hearing on the matter.

If the application is not protested, the Department will process your application and notify you of any action taken on the application. If your application is approved, the Department will send you a copy of the permit.

Please contact this office if you have any questions regarding the application.

Sincerely,

A handwritten signature in black ink, appearing to read 'Rachel Neely', is written over a horizontal line.

Rachel Neely
Administrative Assistant



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region • 2735 Airport Way • Boise, Idaho 83705-5082

Phone: (208) 334-2190 • Fax: (208) 334-2348 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

10/29/2015

COPY

JUSTIN AND SUNNY CHRISTENSEN
C/O ROXANNE BROWN
300 E MALLARD DRIVE STE 350
BOISE ID 83706

Re: Water Right Application 63-34138 and Well Drilling Fee Upgrade

Dear Applicant:

Your recent water right application proposes ground water use from an existing well. All wells drilled in Idaho after June 30, 1987, require well drilling permits. A well might need a water right along with the drilling permit, depending on the intended use of the well.

According to the records of Idaho Department of Water Resources (IDWR), your well was drilled in 1994 under a \$35 domestic well drilling permit. A \$35 drilling permit covers a well that does not require water right approval from IDWR. This is typically a single-family domestic well.

Proposed use from your well does require water right approval, and your water right application seeks that approval. The well drilling fee for a well requiring a water right is \$200 instead of \$35. Per Well Construction Standards Rules (IDAPA 37.03.09.045.05.b), IDWR must collect the unpaid balance of \$165 for a well drilled under those circumstances.

Please remit \$165 to upgrade your well drilling permit within the next thirty days to facilitate processing of your water right application.

IDWR forms and other information are available on the Internet at www.idwr.idaho.gov. Please contact me at 208-334-2190 if you have any questions. Thank you for your attention to this matter.

Sincerely,

Phill Hummer
Water Resource Agent
Idaho Department of Water Resources
Phone: (208) 334-2190
Fax: (208) 334-2348
Email: phill.hummer@idwr.idaho.gov



SPF WATER
ENGINEERING

October 28, 2015

RECEIVED

NOV 02 2015

WATER RESOURCES
WESTERN REGION

Phill Hummer
Idaho Department of Water Resources
Western Region
2735 Airport Way
Boise, ID 83705-5082

Subject: *Application for Permit 63-34138 (Christensen)*
Low Temperature Geothermal Heating Demand Calculations

Dear Phill:

This letter is a response to questions raised in your correspondence dated September 28, 2015. In your letter you noted the permit application cannot be fully processed without a statement describing the depth of the water bearing zone. As you noted, the well driller's report (No. 63-94-w-0661) indicates the well supplies water from 154 to 242 feet. The applicant considers this the appropriate water-bearing zone for appropriation.

Your letter also requested additional information concerning heat demands for the existing low-temperature geothermal system. In response, we have provided a worksheet designed by IDWR in 1993 to calculate requirements for geothermal heating systems. The worksheet includes the information you requested. In addition to the uses listed, geothermal water from the well is also used to de-ice walkways and drives on the property in a closed-loop system.

Please note that the Christensen's application is based on actual water production from an existing well (18 gpm, or 0.04 cfs), not the flow rate calculated on the spreadsheet. Please contact us if there are additional questions.

Sincerely,

Roxanne Brown
Senior Water Rights Specialist

cc: Justin and Sunny Christensen
SPF file

Enclosures
Heating Requirements Worksheet
SPF Job No. 1183.0010

RESIDENTIAL SPACE HEATING/COOLING REQUIREMENTS FOR COLD OR GEOTHERMAL SOURCES

Worksheet created by Cindy Hodges, 11/93.

Data entered by: SPF Water Engineering
Exam Date: Permit Application
File No: 63-34138
Computations for: Heating (house)

RECEIVED

NOV 02 2015

WATER RESOURCES
WESTERN REGION

REQUIRED DATA:

Area of livable floor space, ft² (A) 5000
2 story? (N=1, Y=2) 2
House efficiency factor (c) * 0.67
Inside design temperature (Ti) 72
Average outside temperature (To) ** 4
Source temperature, degrees F (S) 124
Heating/cooling days per season (D) 166
Hours/day system operates (H) 24

CALCULATED DATA:

DESIGN HEAT LOAD (BTU/hr required)

Formula: $E = [c \times (Ti - To)] \times A$

Applies factor of 0.8 for two-story dwelling

E = 182,240 BTU/hour

TEMPERATURE DROP ACROSS SYSTEM

Formula: $T_s = 0.3 \times [S - Ti]$

Ts = 15.6 degrees F

FLOW RATE REQUIRED (at given source temperature)

Formula: $Q = E / (500 \times Ts) \times 448.8$

Q = 0.05 cfs

DIVERTED VOLUME OVER SEASON

Formula: $V_{div} = Q \times D \times H / 24 \times 1.9835$

Vdiv = 17.1 AFA

AVERAGE TEMPERATURE CALCULATION:

4 DEG MIN + 80 DEG HIGH / 2 =

42 DEG AVERAGE YEAR ROUND TEMP.

* c values are as follows:

- 0.28 Best energy efficiency - extra insulation, caulked and weatherstripped, with storm windows and doors
- 0.44 Better energy efficiency - standard insulation, caulked and weatherstripped, with storm windows and/or doors
- 0.67 Average residence - standard insulation, no weatherproofing but with storm windows or double panes
- 1.11 Poor energy efficiency - minimal insulation, no weatherproofing or storm windows (older homes, shops or greenhouses)

** Suggested average outside temperatures:

WINTER

4 deg F Boise
6 deg F Grand View
-8 deg F Cascade

SUMMER

80 deg F Boise
90 deg F Grand View
70 deg F Cascade

RESIDENTIAL SPACE HEATING/COOLING REQUIREMENTS FOR COLD OR GEOTHERMAL SOURCES

Worksheet created by Cindy Hodges, 11/93.

Data entered by: SPF Water Engineering
 Exam Date: Permit Application
 File No: 63-34138
 Computations for: Heating (shop and garage)

REQUIRED DATA:

Area of livable floor space, ft2 (A) 2000
 2 story? (N=1, Y=2) 1
 House efficiency factor (e) * 0.67
 Inside design temperature (Ti) 72
 Average outside temperature (To) ** 4
 Source temperature, degrees F (S) 124
 Heating/cooling days per season (D) 166
 Hours/day system operates (H) 24

CALCULATED DATA:

DESIGN HEAT LOAD (BTU/hr required)
 Formula: $E = [e \times (Ti - To)] \times A$
 Applies factor of 0.8 for two-story dwelling

E = 91,120 BTU/hour

TEMPERATURE DROP ACROSS SYSTEM
 Formula: $Ts = 0.3 \times [S - Ti]$

Ts = 15.6 degrees F

FLOW RATE REQUIRED (at given source temperature)
 Formula: $Q = E / (500 \times Ts) \times 448.8$

Q = 0.03 cfs

DIVERTED VOLUME OVER SEASON
 Formula: $Vdiv = Q \times D \times H / 24 \times 1,9835$

Vdiv = 8.6 AFA

AVERAGE TEMPERATURE CALCULATION:

4 DEG MIN + 80 DEG HIGH / 2 =

42 DEG AVERAGE YEAR ROUND TEMP.

* e values are as follows:

0.28 Best energy efficiency - extra insulation, caulked and

weatherstripped, with storm windows and doors

0.44 Better energy efficiency - standard insulation, caulked and

weatherstripped, with storm windows and/or doors

0.67 Average residence - standard insulation, no weatherproofing

but with storm windows or double panes

1.11 Poor energy efficiency - minimal insulation, no weatherproofing

or storm windows (older homes, shops or greenhouses)

** Suggested average outside temperatures:

WINTER

4 deg F Boise

6 deg F Grand View

-8 deg F Cascade

SUMMER

80 deg F Boise

90 deg F Grand View

70 deg F Cascade

Hummer, Phill

From: Roxanne Brown [RBrown@spfwater.com]
Sent: Monday, October 26, 2015 3:03 PM
To: Hummer, Phill
Subject: RE: Christensen Heating and Domestic App

Thank you for the reminder. Mr. Christensen has been busy with harvest and difficult to contact. I'll have the information to you this week.

Thanks for your patience.

Roxanne

From: Hummer, Phill [mailto:Phill.Hummer@idwr.idaho.gov]
Sent: Monday, October 26, 2015 2:44 PM
To: Roxanne Brown
Subject: RE: Christensen Heating and Domestic App

Just a reminder to submit the information requesting regarding the heating system by the end of the week. Or if more time is need please submit a request to interrupt processing. Thank you

Phill Hummer

*Water Resource Agent
Idaho Department of Water Resources
Phone: (208) 334-2190
Fax: (208) 334-2348
Email: phill.hummer@idwr.idaho.gov*

From: Roxanne Brown [mailto:RBrown@spfwater.com]
Sent: Wednesday, September 30, 2015 9:27 AM
To: Hummer, Phill
Subject: RE: Christensen Heating and Domestic App

Thanks for the email. I'll reply as soon as I gather the information.

Roxanne

From: Hummer, Phill [mailto:Phill.Hummer@idwr.idaho.gov]
Sent: Wednesday, September 30, 2015 9:05 AM
To: Roxanne Brown
Subject: Christensen Heating and Domestic App

Good morning Roxanne,

Attached is a letter that summarizes the information I need to verify the amount of water requested for heating use. Also because this application is within basin 63 the department needs a statement indicting the water bearing zone for advertising. Thank you for your attention on these matters.

Phill Hummer

*Water Resource Agent
Idaho Department of Water Resources
Phone: (208) 334-2190
Fax: (208) 334-2348*



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region • 2735 Airport Way • Boise, Idaho 83705-5082

Phone: (208) 334-2190 • Fax: (208) 334-2348 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

9/28/15

JUSTIN AND
SUNNY CHRISTENSEN
C/O ROXANNE BROWN
300 E MALLARD DRIVE SUITE 350
BOISE, ID 83706

Re: Water Right Permit Application No. 63-34138 Additional Information Required

Dear Applicants:

Your recent application for permit regarding heating and domestic use is being processed. The application cannot be fully processed without a statement describing the depth of the water bearing zone. The well drillers report No. 63-94-w-0661 indicates the well supplied water from 154 to 242 feet. Please provide a statement verifying this water bearing zone or provide the new water bearing zone. Applications for permit requesting water for heating use must provide a brief description of the energy efficiency of the home and shop you intent to heat using the proposed geothermal source. This should include statements describing improvements made such as installing weather stripping or adding additional insulation. If no improvements have been made, please provide a statement indicating the shop or home has average energy efficiency. Additionally, the following information is required to evaluate the amount of water requested for heating use:

- Heating System Information for Both the Home and Shop
 - The area of inside livable floor space.
 - The number of stories.
 - The number of heating days per year.
 - The number of operating hours per day.
 - The expected inside temperature.
 - The average outside winter and summer temperature.
 - The temperature of the source water.

A copy of the original application is enclosed for your reference. Please submit the requested information within thirty (30) days. You may seek additional time to provide the information by making a written request to interrupt processing for up to six months. The application will be voided without a timely written reply within the next thirty (30) days. Refunds are not issued for voided applications. IDWR forms and other information are available on the Internet at www.idwr.idaho.gov. Please consult me at 208-334-2190 if you have any questions about the necessary information.

Sincerely,

Phill Hummer
Water Resource Agent
Idaho Department of Water Resources
Phone: (208) 334-2190
Email: phill.hummer@idwr.idaho.gov



SPF WATER
ENGINEERING

September 1, 2015

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WATER RESOURCES
WESTERN REGION

Angie Grimm, Supervisor
Idaho Department of Water Resources
Western Region
2735 Airport Way
Boise, ID 83705-5082

Subject: Application for Permit – *Justin and Sunny Christensen*
Low Temperature Geothermal Domestic and Heating Use

Dear Angie:

Please find enclosed an *Application for Permit* in the name of Justin and Sunny Christensen. The Christensen's purchased their property in 2012 with an existing low temperature geothermal well in use for domestic purposes. The well is used for heating the home and a large shop as well as in-home domestic use. Landscape irrigation is supplied under water right 63-3181 (also a geothermal source). No cold water is available on the site. We understand the filing fee for this application is \$100.00; you will find a check for that amount enclosed.

Please contact us at your convenience with any questions.

Sincerely,

Roxanne Brown
Senior Water Rights Specialist

cc: Justin and Sunny Christensen
SPF file

Enclosures

Application for Permit
Warranty Deed (Recorded as Instrument No. 2012-47072)
Check No. 5497