

AMENDED

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT
To appropriate the public waters of the State of Idaho

RECEIVED

DEC 17 2008

WATER RESOURCES
WESTERN REGION

1. Name of Applicant Kent and/or Shari Johnson Phone 208-722-8156
Mailing address 31811 Parma Road, Parma, ID 83660
2. Source of water supply ground water which is a tributary of NA
3. Location of point of diversion is Township 6N, Range 5W, Sec. 28, in the NE $\frac{1}{4}$,
NE $\frac{1}{4}$, Govt. Lot _____, B.M., _____ Canyon _____ County; additional points
of diversion if any: none
4. Water will be used for the following purposes:

Amount <u>0.12 cfs</u> (cfs or acre-feet per annum)	for <u>irrigation</u>	purposes from <u>3/1</u> to <u>11/15</u> (both dates inclusive)
Amount _____ (cfs or acre-feet per annum)	for _____	purposes from _____ to _____ (both dates inclusive)
Amount _____ (cfs or acre-feet per annum)	for _____	purposes from _____ to _____ (both dates inclusive)
Amount _____ (cfs or acre-feet per annum)	for _____	purposes from _____ to _____ (both dates inclusive)
Amount _____ (cfs or acre-feet per annum)	for _____	purposes from _____ to _____ (both dates inclusive)
Amount _____ (cfs or acre-feet per annum)	for _____	purposes from _____ to _____ (both dates inclusive)
5. Total quantity to be appropriated is (a) 0.12 cfs and/or (b) _____
cubic feet per second _____ acre feet
per annum
6. Proposed diverting works:
 - a. Describe type and size of devices used to divert water from the source: One 6-inch diameter well that was drilled in 2005 to a depth of 364 feet (drawing water from 355 to 364 feet below ground surface).
 - b. Height of storage dam _____ feet; active reservoir capacity _____ acre-feet; total
reservoir capacity _____ acre-feet
 - c. Well diameter is 6 inches; depth of first well is 364 feet
 - d. Is ground water with a temperature of greater than 85°F being sought? No
 - e. If well is already drilled, when? 7-14-2005; Drilling firm Gary Duspiva Well Drilling and Development;
Well was drilled for (well owner) Kent and Shari Johnson; Drilling Permit No. 834297
7. Time required for completion of works and application of water to proposed beneficial use is 5 years (*minimum 1 year*)
8. Description of proposed uses (*if irrigation only, go to item 9*):
 - a. Hydropower; show total feet of head and proposed capacity in kW.
 - b. Stockwatering; list number and kind of livestock.
 - c. Municipal; show name of municipality.
 - d. Domestic; show number of households
 - Other; describe fully.

9. Description of place of use:

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

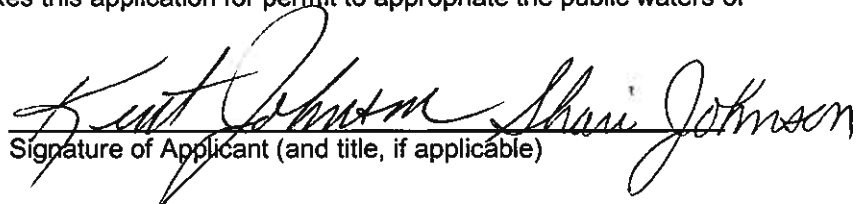
TWP	RGE	SEC	NE				NW				SW				SE				TOTALS
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
6N	5W	28	5.8																

Total number of acres to be irrigated 5.8 acres, including yard area

10. Describe any other water rights used for the same purposes as described above. none
11. a. Who owns the property at the point of diversion? Applicant
- b. Who owns the land to be irrigated or place of use? Applicant
- c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing:
12. Remarks:
1. Ground water flow in this area is tributary to the Snake River
 2. Irrigated area is on Parcel No. R393670100
 3. One domestic well drilled for Kenneth Wheeler (drilled in 1995 to a depth of 222 feet) is also on the property. This well is used only for domestic purposes and is not connected to the irrigation system.

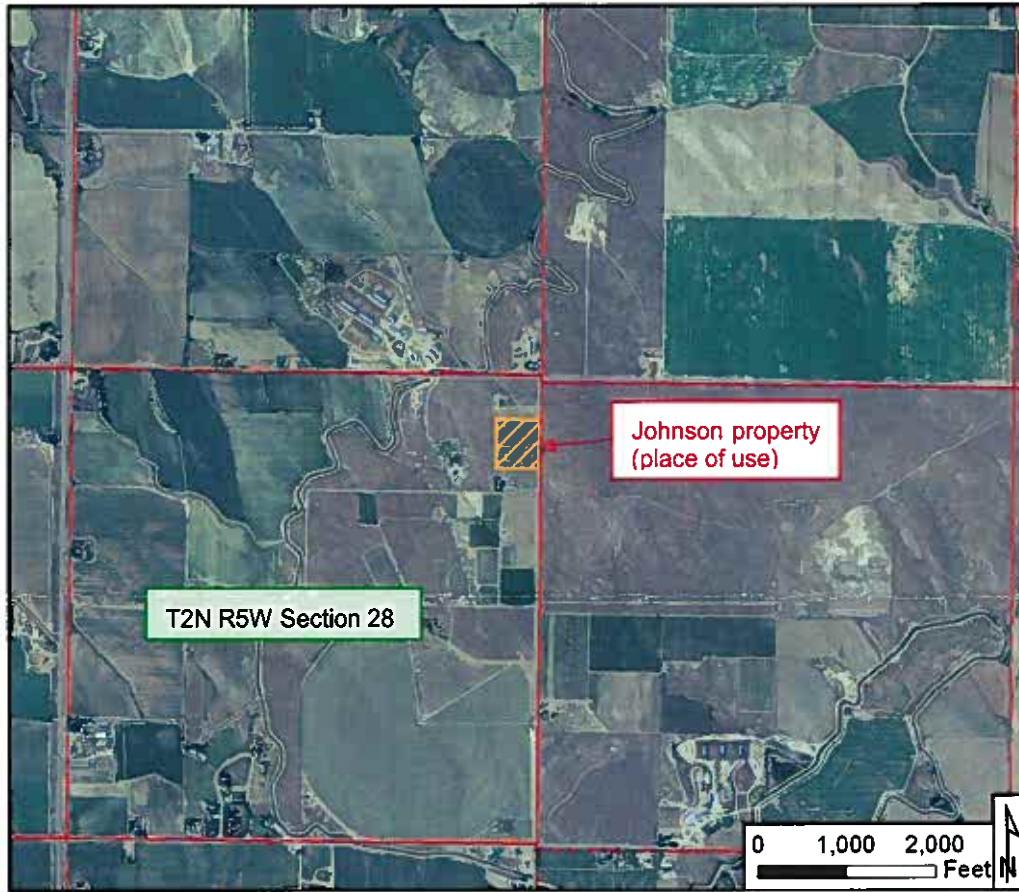
13. **MAP OF PROPOSED PROJECT REQUIRED** - Attach an 8½"x11" map clearly identifying the proposed point of diversion, place of use, section #, township & range. (A photocopy of a USGS 7.5 minute topographic quadrangle map is preferred.)

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


Signature of Applicant (and title, if applicable)

Received by SLG Date Dec. 17, 04 Time 10:05 am Preliminary check by SL
 Fee \$ 100 Receipted by SL & JVO # W033204 Date 7/22/05
 Publication prepared by DB Date 4/9/2009 Published in PRESS TRIBUNE
 Publication approved DATE: Date APRIL 16 & 23, 2009

T6N →
(typo)



63-32152

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

1. WELL TAG NO. D 0039406

DRILLING PERMIT NO. _____

Water Right or Injection Well No. _____

2. OWNER:

Name Kent B. & Shari L. Johnson

Address 31811 Parma Road

City Parma State Id Zip 83660

3. LOCATION OF WELL by legal description:

You must provide address or Lot, Blk, Sub. or Directions to well.

Twp. 06 North ☒ or South ☐

Rge. 05 East ☐ or West ☒

Sec. 28 1/4 NE 1/4 NE 1/4

Gov't Lot 10 acres County Canyon 40 acres 180 acres

Lat: : : Long: Same as above

Address of Well Site _____

(Give at least name of road - Distance to Road or Landmark)

City _____

Lt. _____ Blk. _____ Sub. Name _____

4. USE:

☒ Domestic ☐ Municipal ☐ Monitor ☒ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)

☒ New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD:

☐ Air Rotary ☒ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method
Perma Plug				Placed dry in
Bentonite	2	20	800#	annular space

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 355'

Was drive shoe seal tested? ☒ Y ☐ N How? Bailed down

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	2'	1 1/2'	355'	.25 Steel	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

Packer ☐ Y ☐ N Type _____

9. PERFORATIONS/SCREENS PACKER TYPE

Perforation Method _____

Screen Type & Method of Installation _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

158 ft. below ground Artesian pressure _____ lb.

Depth flow encountered _____ ft. Describe access port or control devices: _____

Well Cap _____

834297
Office Use Only
Well ID No. 404838
Inspected by _____
Twp. _____ Rge. _____ Sec. _____
1/4 1/4 1/4
Lat: : : Long: : :

12. WELL TESTS:

☐ Pump ☒ Bailor ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
20	17	175	1
50	34	192 est	4

Water Temp. 68

Bottom hole temp. _____

Water Quality test or comments: 8 grains hard

Depth first Water Encounter 112

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
10	0	2	Soil		X
10	2	20	Brown Sand w/ Clay		X
6	20	33	Brown Sand w/ Clay		X
6	33	45	Yellow Clay		X
6	45	55	Brown Sand & Gravel		X
6	55	82	Brown Sand		X
6	82	105	Brown Clay		X
6	105	112	Brown Clay w/ Sand		X
6	112	126	Brown Sand	X	
6	126	160	Light Brown Clay		X
6	160	165	Brown Sand	X	
6	165	186	Brown Clay Sticky		X
6	186	234	Brown Sand Coarse on Bottom		X
6	234	257	Brown Clay		X
6	257	280	Brown Sand Fine	X	
6	280	314	Blue Clay		X
6	314	317	Black Sand Fine	X	
6	317	350	Blue Clay		X
6	350	351	Black Sand Heaving	X	
6	351	364	Blue Clay		X
6	364	?	Black Sand & Pea Gravel	X	

RECEIVED

AUG 12 2005

WATER RESOURCES
WESTERN REGION

Completed Depth 364' (Measurable)

Date: Started 26 June 2005 Completed 14 July 05

14. DRILLER'S CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Gary Duspiva Well
Company Name Drilling & Development Firm No. 395

Principal Driller Gary Duspiva Date 10 July 05

and Driller or Operator II _____ Date _____

Operator I Eric Duspiva Date 10 July 05

Principal Driller and Rig Operator Required.

Operator I must have signature of Driller/Operator II.

FORWARD WHITE COPY TO WATER RESOURCES

63-32152

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT
To appropriate the public waters of the State of Idaho

1. Name of Applicant Kent and Shari Johnson Phone 208-722-5229
Mailing address 31811 Parma Road, Parma, ID 83660
2. Source of water supply ground water which is a tributary of NA
3. Location of point of diversion is Township 6N, Range 5W, Sec. 28, in the NE $\frac{1}{4}$,
NE $\frac{1}{4}$, Govt. Lot _____, B.M., Payette County;
additional points of diversion if any: One existing well and one proposed well in this same QQ
4. Water will be used for the following purposes:

Amount <u>0.12 cfs</u> (cfs or acre-feet per annum)	for <u>irrigation</u>	purposes from <u>3/1</u> to <u>11/15</u> (both dates inclusive)
Amount <u>0.04</u> (cfs or acre-feet per annum)	for <u>domestic</u>	purposes from <u>1/1</u> to <u>12/31</u> (both dates inclusive)
Amount _____ (cfs or acre-feet per annum)	for _____	purposes from _____ to _____ (both dates inclusive)
Amount _____ (cfs or acre-feet per annum)	for _____	purposes from _____ to _____ (both dates inclusive)
Amount _____ (cfs or acre-feet per annum)	for _____	purposes from _____ to _____ (both dates inclusive)
Amount _____ (cfs or acre-feet per annum)	for _____	purposes from _____ to _____ (both dates inclusive)
5. Total quantity to be appropriated is (a) 0.16 cfs and/or (b) _____
cubic feet per second acre feet per annum
6. Proposed diverting works:
 - a. Describe type and size of devices used to divert water from the source One existing well and one new well located in the same QQ. The existing well is a 6-inch diameter well that extends to a depth of 222 feet. The target depth for the new well is between 200 and 300 feet below ground surface.
 - b. Height of storage dam _____ feet; active reservoir capacity _____ acre-feet; total reservoir capacity _____ acre-feet
 - c. Existing well diameter is 6 inches; depth of Existing well is 222 feet
 - d. Is ground water with a temperature of greater than 85°F being sought? No
 - e. If well is already drilled, when? 8-23-95; Drilling firm Treasure Valley Drilling;
Well was drilled for (well owner) Kenneth Wheeler (former owner); Drilling Permit No. 63-95-W-0362-000
7. Time required for completion of works and application of water to proposed beneficial use is 5 years (minimum 1 year)
8. Description of proposed uses (if irrigation only, go to item 9):
 - a. Hydropower; show total feet of head and proposed capacity in kW.
 - b. Stockwatering; list number and kind of livestock.
 - c. Municipal; show name of municipality.
 - d. Domestic; show number of households. One household.

Other; describe fully.

Superseded

RECEIVED

JUL 22 2005

WATER RESOURCES
WESTERN REGION

9. Description of place of use:

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

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

TWP	RGE	SEC	NE				NW				SW				SE				TOTALS
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
6N	5W	28	5.8														S/C		

Total number of acres to be irrigated 5.8

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

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:

Ground water flow in this area is tributary to the Snake River.

13. **MAP OF PROPOSED PROJECT REQUIRED** - Attach an 8½"x11" 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.)

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

Mari Johnson
Signature of Applicant (and title, if applicable)

Received by [Signature] Date 07/22/05 Time _____ Preliminary check by _____
Fee \$ 100 Received by [Signature] # W033204 Date _____
Publication prepared by _____ Date _____ Published in _____
Publication approved _____ Date _____

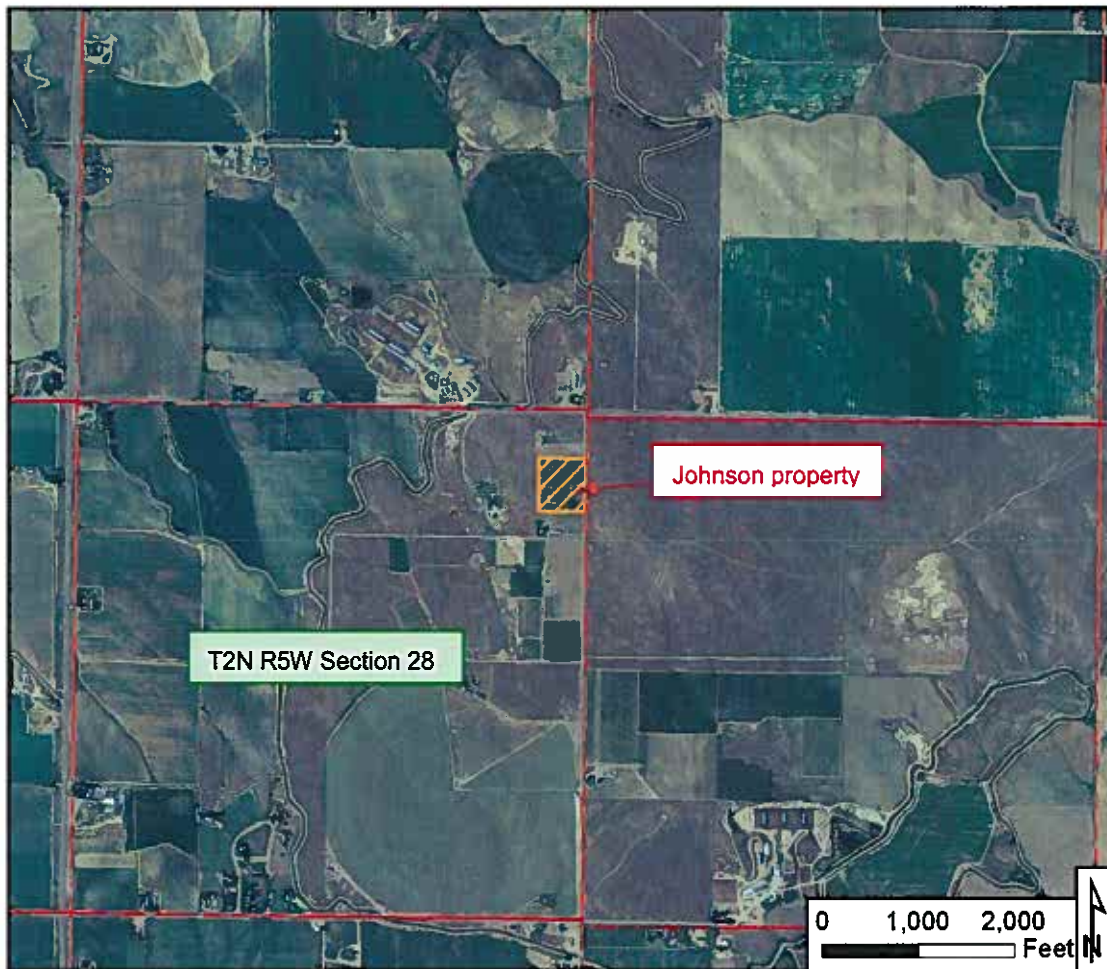


Figure 1: Property location map.

63-32152

LEGAL NOTICE

The following application(s) have been filed to appropriate the public waters of the State of Idaho:
63-32152

KENT B JOHNSON

SHARI JOHNSON

31811 PARMA RD

PARMA ID 83660

Point(s) of Diversion NENE S28 T06N R05W CANYON County Source GROUND WATER

Use: IRRIGATION Total Diversion: 03/01 To 11/15 0.12 CFS
0.12 CFS

Date Filed: 07/22/2005

Place Of Use: IRRIGATION

T06N R05W S28

NENE

Number of Acres 5.8

Remark: Water bearing zone to be appropriated from an existing domestic well is from 355 to 364 feet.

Permits will be subject to all prior water rights. Protests may be submitted based on the criteria of Sec 42-203A, Idaho Code. Any protest against the approval of this application must be filed with the Director, Dept. of Water Resource, Western Region, 2735 Airport Wy, Boise ID 83705 together with a protest fee of \$25.00 for each application on or before 05/04/2009. The protestant must also send a copy of the protest to the applicant.

DAVID R. TUTHILL, JR., Director

Published on April 16th & 23rd, 2009

April 16, 23, 2009

06561782

Received 4-10-09 from Press Tribune to proof.

✓ OK DB 4-13-09.

Buffington, Denise

From: Buffington, Denise
Sent: Thursday, April 09, 2009 10:31 AM
To: 'Legals'
Subject: LEGAL NOTICES - CANYON COUNTY
Attachments: Canyon County Ads - Cover Letter.RTF; 63-32152 Ad.RTF; 63-33088 Ad.RTF

Attached please find (2) legal notices being submitted for publication. Please contact me if you have any questions about the attached information; or if you are not able to run the ads on the dates listed.

Thank You,

Denise Buffington
Administrative Assistant
Dept of Water Resources
Western Region

4/9/2009

April 09, 2009

Legal Notice Department

PRESS-TRIBUNE

PO BOX 9399

NAMPA ID 83652

RE: Application for Permit No. 63-32152 & 63-33088

Dear LEGAL NOTICE DEPARTMENT:

Enclosed you will find a legal notice which we wish to have published in your newspaper on the dates indicated (once a week for two consecutive weekly issues). 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. Please send the affidavit and bill to this office before 05/04/2009. Your cooperation is appreciated.

Sincerely,

Denise Buffington
Administrative Assistant

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

63-32152

KENT B JOHNSON
SHARI JOHNSON
31811 PARMA RD
PARMA ID 83660

Point(s) of Diversion NENE S28 T06N R05W CANYON County Source GROUND WATER

Use: IRRIGATION 03/01 To 11/15 0.12 CFS

Total Diversion: 0.12 CFS

Date Filed: 07/22/2005

Place Of Use: IRRIGATION

T06N R05W S28 NENE

Number of Acres 5.8

Remark: Water bearing zone to be appropriated from an existing domestic well is from 355 to 364 feet.

Permits will be subject to all prior water rights. Protests may be submitted based on the criteria of Sec 42-203A, Idaho Code.

Any protest against the approval of this application must be filed with the Director, Dept. of Water Resource, Western Region, 2735 Airport Wy, Boise ID 83705 together with a protest fee of \$25.00 for each application on or before 05/04/2009. The protestant must also send a copy of the protest to the applicant.

DAVID R. TUTHILL, JR., Director

Published on April 16th & 23rd, 2009

**SPF**

Water Engineering, LLC
water resource consultants

RECEIVED

DEC 17 2008

WATER RESOURCES
WESTERN REGION

December 13, 2008

Steve Lester
Western Region
2735 Airport Way
Boise, ID 83705

Subject: Application for Permit for Kent and Shari Johnson

Dear Steve,

A revised and re-signed permit application for Kent and Shari Johnson is enclosed. In advance, thank you for your efforts in processing this application. Please call me if you have any questions.

Sincerely,

Christian R. Petrich, Ph.D., P.E.
Principal Engineer/Hydrologist

CC: Kent and Shari Johnson

SPF file number: 448.0010



State of Idaho

DEPARTMENT OF WATER RESOURCES

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

PHONE: (208) 334-2190 FAX: (208) 334-2348 www.idwr.idaho.gov

C.L. "BUTCH" OTTER, Governor
DAVID R. TUTHILL, JR., Director

November 18, 2008

KENT & SHARI JOHNSON
C/O CHRISTIAN PETRICH PHD PE
SPF WATER ENGINEERING LLC
300 E MALLARD DR STE 350
BOISE ID 83706

Re: Application for Permit No. 63-32152

Dear Christian:

I left you a telephone message the other day but wanted to provide this letter just in case it is necessary. The Johnson application filed several years ago was held due to Basin 63 concerns. Those concerns have been resolved, allowing processing to continue.

The application should be amended to address several details. Please call me to arrange a convenient time to discuss amending the application for your clients.

I will be out of the office for several weeks starting December 10 and hope to act on this application before then. Thank you for your prompt attention to this matter.

Please disregard this letter if you receive it after already returning my telephone message.

Sincerely,

Steve Lester
Water Rights Supervisor



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region, 2735 Airport Way, Boise, Idaho 83705-5082 - (208) 334-2190

FAX (208) 334-2348

August 26, 2005

DIRK KEMPTHORNE
Governor

KARL J. DREHER
Director

Christian Petrich, PHD
SPF Water Engineering LLC
600 E River Ln Ste 105
Boise ID 83706

RE: Application for Permit- Kent & Shari Johnson

Dear Mr. Petrich:

Your letter of August 15, 2005 regarding the Application for Permit for Kent & Shari Johnson has been forwarded to me for response.

As outlined by Mr. Lester's letter of August 5th, the Department's policy has changed regarding the processing of ground water applications located in the Boise Basin, but proposed as tributary to another basin. Consideration of such applications was leading to confusion in defining non-tributary sources and the creation of undefined ground water zones.

I have forwarded your and others concerns/questions regarding the "processing hold" to the Department Administration. The Administration has taken the matter under consideration. Unfortunately, decisions relating to policy changes and time lines all take time. Our office will continue to hold the application until a change directive is received. I will keep you informed of any change.

Should you have any questions, please contact me at the Western Regional Office, phone 334-2190.

Sincerely,

John Westra, Manager
Western Region

**SPF**Water Engineering, LLC
water resource consultants

63-32152

August 15, 2005

Steve Lester
Western Region
2735 Airport Way
Boise, ID 83705

RECEIVED

AUG 17 2005

WATER RESOURCES
WESTERN REGION*Subject: Application for Permit for Kent and Shari Johnson*

Dear Steve,

We submitted an Application for Permit on behalf of Kent and Shari Johnson for irrigation on a 6.3-acre property located at 31811 Parma Road in the NENE of Section 28, T6N, R5W. This is in a portion of Basin 63 where ground water is tributary to the Snake River. We received your letter of August 5, 2005 indicating that the application will be held without processing until further notice. This processing hold represents a change in the policy under which similar applications have been considered on a case-by case basis.

My understanding is that the processing hold on applications for ground water use in areas that are not tributary the Boise River may be lifted in the near future. Is there a timeline for when this might occur? With transfer processing on hold pending resolution of adjudication objections, is it possible that IDWR Western Region staff may have additional time for processing the backlog of Basin 63 permit applications?

In advance, thank you very much for considering these questions. Your responses will help Kent and Shari Johnson plan for the development of irrigation on their property.

Sincerely,

Christian R. Petrich, Ph.D., P.E.
Principal Engineer/Hydrologist

CC: Kent and Shari Johnson

Document Info:

Filename: S:\Projects\E thru L Projects\Johnson, Kent_448\Lester_re_HoldOnProcessing.doc
SPF file number: 448.0010



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region, 2735 Airport Way, Boise, Idaho 83705-5082 - (208) 334-2190

FAX (208) 334-2348

DIRK KEMPTHORNE
Governor

KARL J. DREHER
Director

August 5, 2005

CHRISTIAN PETRICH PHD P E
SPF WATER ENGINEERING LLC
600 E RIVER PARK LN STE 105
BOISE ID 83706

Re: Application for Permit for Kent and Shari Johnson

Dear Christian:

Your letter of July 20, 2005, requested processing of the above referenced application based on ground water thought to be tributary to the Snake River instead of the Boise River. The Idaho Department of Water Resources (IDWR) has issued such permits in the past, as you know.

Lately, however, things have gone the other way. This office has received considerable pressure for new consumptive uses from ground water within Basin 63 but proposed as tributary to the Snake or Payette Rivers. This has included areas around Parma, Melba, Kuna, Eagle and even near Blacks Creek Reservoir southeast of Boise.

Western Regional staff recently discussed this issue with IDWR administration. The staff discussed out-of-priority processing of Basin 63 applications based on Application Processing Memo No. 59. That memo has defined department policy in this matter since 1996 and has authorized application processing on a case specific basis. The meeting resulted in a consensus that processing these applications could erode or shift the alleged boundary separating ground water considered tributary to the Boise River versus ground water considered tributary to other rivers. Injury to at least the owners of many non-processed Basin 63 applications would be the likely result under that scenario.

Additionally, application approvals based on the above can lead to confusion and undefined zones of ground water thought to be tributary to sources other than the Boise River. Implications for pending and/or future applications in the same general area would become uncertain.

August 5, 2005

Page 2

The proposed points of diversion for the Johnson application are at least three miles from the Snake River. The source for the proposed consumptive use is within Basin 63. The application should not be processed as proposed for the reasons already stated.

The application will be held without processing until further notice. If the area in question is opened to processing such applications, this application will be processed in priority order, as would any other consumptive use proposal. Delays related to IDWR decisions do not affect the proposed date of priority.

IDWR will inform you of any changes in this matter. Please contact me at your convenience if you have any questions or need more information.

Sincerely,

A handwritten signature in black ink, appearing to read "Steve Lester". The signature is fluid and cursive, with the first name "Steve" and last name "Lester" clearly distinguishable.

Steve Lester
Water Rights Supervisor



RECEIVED

JUL 22 2005

WATER RESOURCES
WESTERN REGION

July 20, 2005

Mr. Steve Lester
Idaho Department of Water Resources
2735 Airport Way
Boise, ID 83705

Dear Steve,

The purpose of this letter is to (1) submit an Application for Permit to Appropriate Water and (2) request an exemption from the administrative hold on processing new applications for water rights permits in Basin 63. The application is being submitted on behalf of Kent and Shari Johnson (Applicants) for a 6.3-acre property located at 31811 Parma Road in the NENE of Section 28, T6N, R5W (Figure 1).

Water for irrigation will be drawn from an existing well (Figure 2 and Attachment A) and a new well that is currently under construction. The existing well extends to a depth of 222 feet and is completed with six-inch casing from ground surface to a depth of 206 feet. Four water-producing zones were listed between depths of 122 and 218 feet below ground surface. The target zone for the new well is between approximately 200 and 500 feet.

The purpose of the administrative hold on processing new permit applications in Basin 63 has been to allow completion of the Treasure Valley Hydrologic Project (TVHP) and to incorporate results of the project into water management in the Lower Boise River Basin. However, the TVHP focused on ground water flow within the USGS Lower Boise hydrologic unit. The Applicants' property lies in the USGS Middle Snake-Payette hydrologic unit (Figure 2).

Surface water in the Middle Snake-Payette hydrologic unit is directly tributary to the Snake River (based on topographic contours). Ground water flow in the vicinity of the Applicants' property also is tributary to the Snake River (not the Boise River). The direction of ground water flow is based on potentiometric surface contours drawn from data collected in a 1980 USGS mass measurement of ground water levels (Figure 3) in the Middle Snake-Payette hydrologic unit (courtesy of S. Bendixsen, IDWR).



Figure 2: Map showing approximate Applicants' well locations.

63-32152

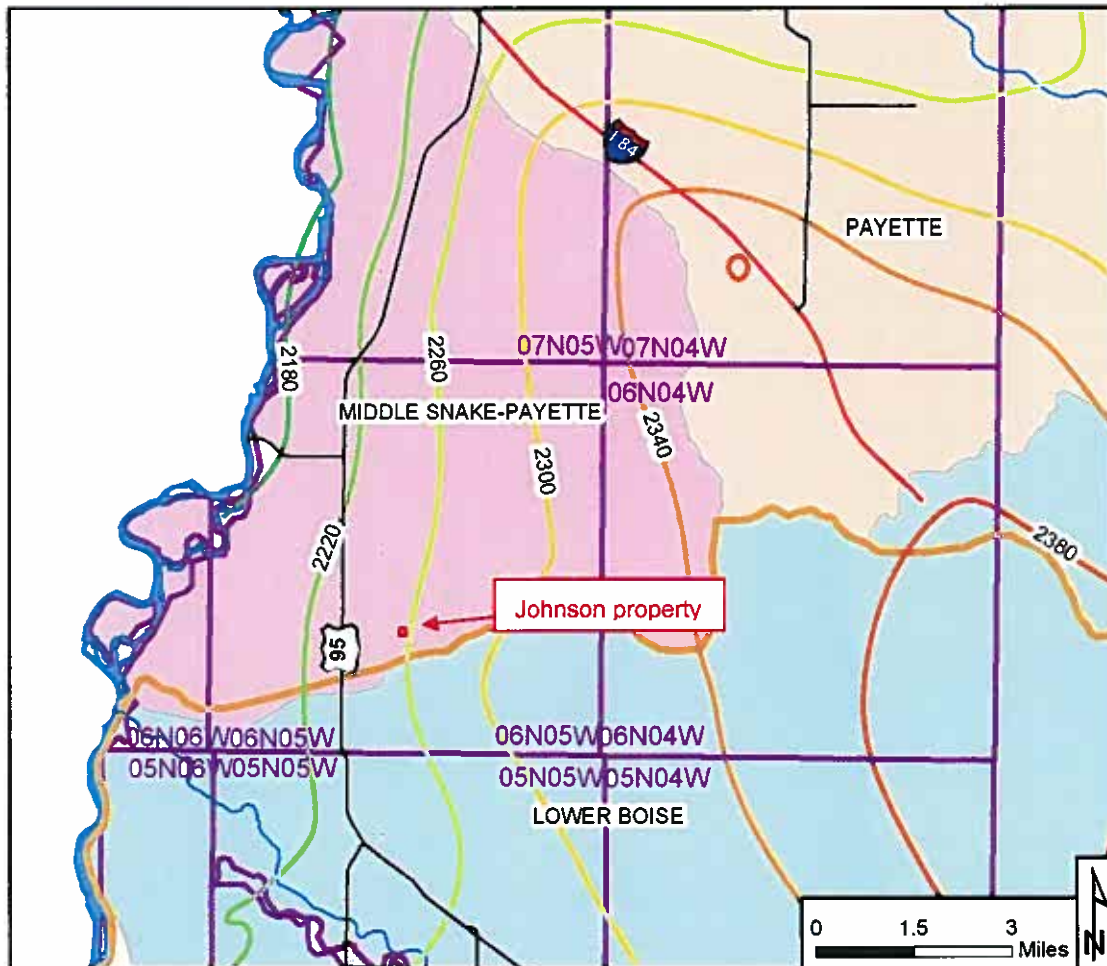


Figure 3: Map showing Applicants' property, TVHP boundary, and 1988 USGS water level contours.

A list of wells in T6N R5W Section 28 and adjoining sections is provided in Attachment B (source: IDWR online database). The median well depth listed for these wells is 144 feet and the median static water level is 75 feet below ground surface.

Water level data from wells in township T6N R5W were obtained (courtesy of Shane Bendixsen) from the IDWR Well_Log database (Figure 4). Hydrographs for wells having two or more water level data spanning a period of more than 2 years (excluding data indicated as pumping levels) are shown in Figure 5. Slight water level decreases can be observed in 30CDC1, 36CDB1, 35BAC1, and 26DCD1. The latter of these showed an increase between the most recent measuring points (between 7/8/81 and 6/4/92). All of the remaining wells had relatively constant or increasing water levels. Existing regional long-term water level declines are not apparent from

63-32152

these data. Shane Bendixsen indicated that he is not aware of any complaints from this area regarding decreasing water levels (personal communication, 2005).

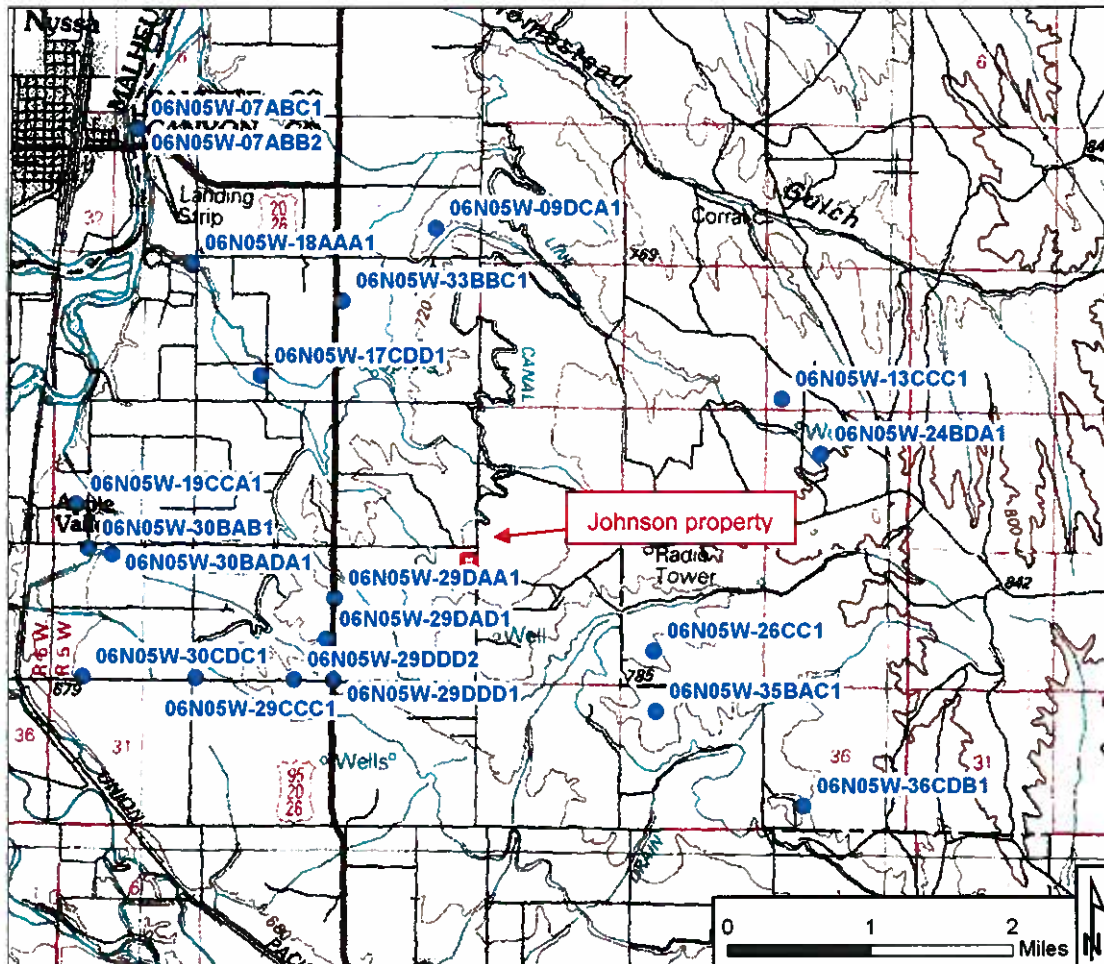


Figure 4: Locations of selected IDWR wells in Township 6N R5W for which the IDWR Well_Log database contains water level data (see text).

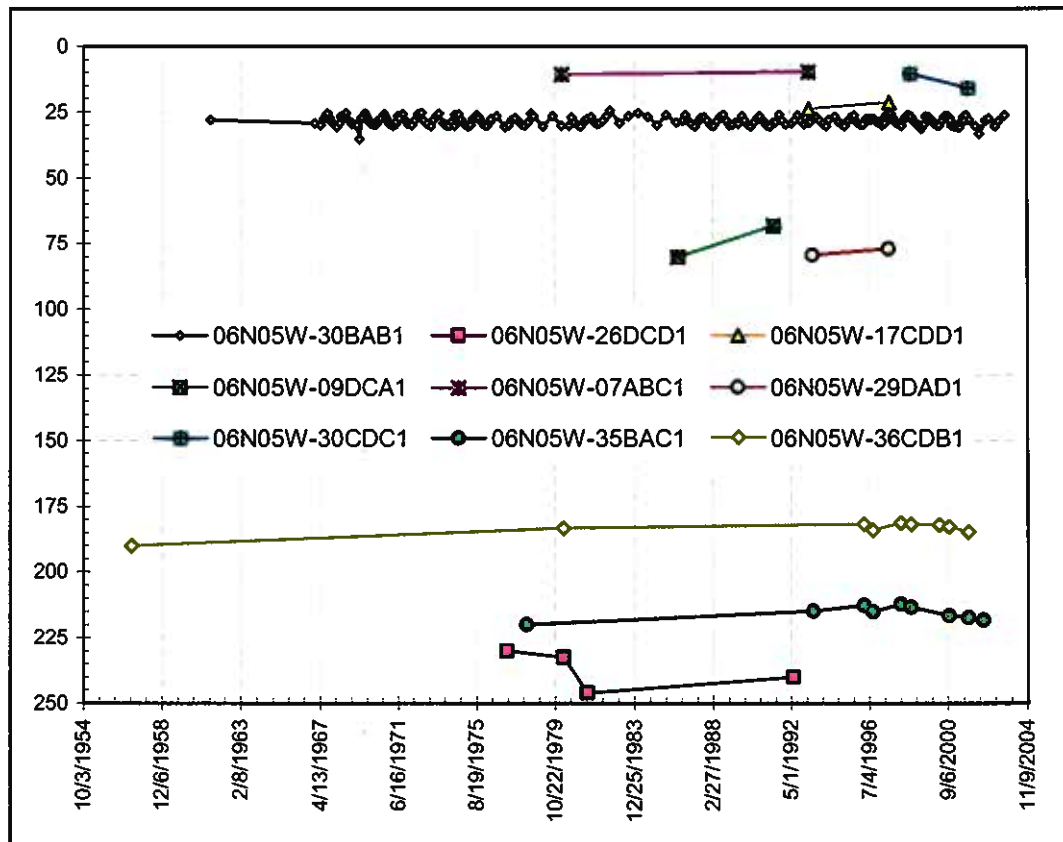


Figure 5: Water levels from wells in Township 6N R5W (IDWR data).

According to the Applicant, the closest well is belongs to the neighbor located to the south of the Applicants' property. The potential effects of increased diversions on the neighbor's well was evaluated using the Theis (1935) analytical solution for ground water flow to a well. The solution to an equation for radial flow to a well (Theis, 1935) can be given by

$$s = \frac{Q}{4\pi T} W(u)$$

where s is drawdown, Q is discharge rate, T is transmissivity, and $W(u)$ is the well function defined as

$$W(u) = \int_u^{\infty} \left(\frac{e^{-u}}{u} \right) du \quad u = \frac{r^2 S}{4Tt}$$

and where r is the radial distance from the pumping well to an observation well, S is aquifer storativity, and t is time. Values of $W(u)$ are tabulated in Dawson and Istok (1991). This analysis is appropriate for aquifers bounded from above and below by aquicludes, layers are horizontal and of infinite areal extent, the pre-pumping piezometric surface is horizontal and extends infinitely in a radial direction, and the aquifer is homogeneous and isotropic. It was assumed for this approximation that the aquifer in the vicinity of the Applicants' property meets these assumptions.

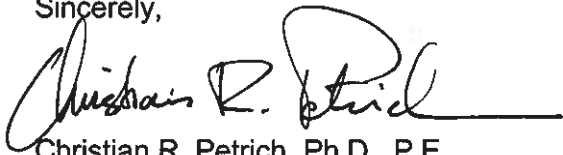
The maximum requested irrigation diversion rate is 0.12 cfs (52 gpm) to irrigate a maximum of 5.8 acres. The total volume required for irrigation, based on a maximum volume of 4.5 acre-feet per acre (afa), would be 26.1 afa. This volume of water represents an average pumping rate of 4,390 ft³/day or 22.81 gpm over the March 1 to November 15 irrigation season.

Aquifer values for T and S at the Applicants' property are unknown. However, hydraulic conductivity (K) values were recently estimated during calibration of a Treasure Valley ground water flow model (Petrich, 2004). The model boundary extended to within about 1 mile of the Applicants' property. Model-derived K values ranged from 10 to 100 feet/day for the uppermost 200 saturated feet in the area nearest to the Applicants' property. The target zone is between 150 and 300 feet. Assuming a K value of 50 feet/day and an aggregate aquifer thickness of 100 feet, the aquifer transmissivity ($K \times$ aquifer thickness) was estimated to be 5,000 ft²/day. Aquifer storativity (S) values in confined aquifers range from 0.005 to 0.00005 (Freeze and Cherry, 1979); a storativity value of 0.0005 was assumed for the aquifer in this area. Thus, given these assumptions, the drawdown attributed to total withdrawals of 4,390 ft³/day at the Applicants' property was estimated to be less than one foot at a distance of approximately 250 feet from the pumping well after an irrigation season (see attached worksheet). The potential impact was estimated to be less than two feet after one season of irrigation if a 50-foot aquifer thickness was assumed. The effects of natural aquifer recharge, which would reduce the potential impact associated with these withdrawals, were not considered in this analysis.

In summary, Kent and Shari Johnson are requesting processing of an Application for Permit to appropriate sufficient water for irrigating 5.8 acres in the NENE of Section 28, T6N, R5W. The permit application should not be subject to the processing hold in Basin 63 because ground water flow in the vicinity of the Applicants' property is toward the Snake River (not to the Boise River). Available data indicate that water levels in the vicinity of this property are relatively stable. Finally, the potential impact on the closest neighboring well (assumed to be approximately 250 from the Applicants' wells) after one season of pumping is likely to be less than two feet.

An Application for Permit is enclosed with this letter along with a filing fee of \$100. On behalf of the Kent and Shari Johnson I would like to respectfully request consideration of this application. Ground and surface water in the vicinity of the Johnson property is not tributary to the lower Boise River and therefore should not be restricted by the administrative hold on new applications in the lower Boise River basin. Please call me (869-4569) if you have any questions regarding this application, or would like additional information. In advance, thank you for your efforts.

Sincerely,



Christian R. Petrich, Ph.D., P.E.
Principal Engineer/Hydrologist

Attachments:

- Attachment A: Driller's report for Johnson well
- Attachment B: Summary of wells in the vicinity of Johnson property
- Attachment C: Theis analysis

Application for Permit

Document Info:

Filename: S:\Projects\E thru L Projects\Johnson, Kent
_448\KJohnson_permit_letter_(CP_to_IDWR).doc
SPF file number: 448.0010

Form 238-7
1/94

Use Typewriter
or
Ball Point Pen

11. WELL TESTS: 49122

FORWARD WHITE COPY TO WATER RESOURCES

Attachment B: Wells in the vicinity of the Johnson property.

Contact	Use	TWP	RNG	SEC	Tract	WellAddress	Gallons Per Minute	Static Water Level	Total Depth	Casing Depth	CSG. DIA.	Construction Date	Permit Number	Tag Number	Sub
Otani, Helen	Domestic	06N	05W	20	SWSW	log shows: SW 1/4 SW 1/4 less tax #1	150	15	75	69	6	30873	722170	0	
Marosica, Ron	Domestic	06N	05W	20	SESE	28024 Pearl Rd	25	58	120	119	6	35095	730145	0	
Duncan, Dave	Domestic	06N	05W	20	NWNW	28284 Grandview Rd	70	25	126	115	6	35341	730742	0	
Velvet Hammer Construction	Domestic	06N	05W	20	NWNW	29641 Grandview Rd	50	60	140	118	6	36399	733548	D0012008	
Troyer, Loren	Domestic	06N	05W	20	NWSE	28284 Pearl Road	15	71	120	-105	8	36566	763346	D0012702	
Reyes, Israel M	Domestic	06N	05W	20	SWSW		20	20	61	0	0	25689	802876	0	
Johnson, E G	Domestic	06N	05W	20	NWNE		100	21	92	0	0	23639	815175	0	
Johnson, E G	Domestic	06N	05W	20	SWNW		40	50	195	0	0	22153	815175	0	
Seward, Dwight F	Domestic	06N	05W	20	NENE		30	23	89	0	0	29818	816575	0	
Johnson, Charles	Irrigation	06N	05W	20	NWSE		726	37	343	0	0	28296	816856	0	
Hager, Bill	Domestic	06N	05W	21	NENE		15	73	140	100	6	32671	722950	0	
Mc Daniel, Ralph	Domestic	06N	05W	21	SESE	1250 Ward Lane	20	57	120	99	6	34290	727637	0	
Richard, John	Domestic	06N	05W	21	SESW	Pearl Rd	30	87	167	165	6	34819	729317	0	
Van Vliet, Donna	Domestic	06N	05W	21	SESW	27298 Pearl Rd	25	106	189	169	6	35300	730578	0	
Van Vliet, Hugo	Domestic	06N	05W	21	SESW		200	100	210	0	0	29034	777707	0	
Nixon, Dale	Domestic	06N	05W	21	NENESW	1255 Grandview Rd	100	55	216	201.9	6	37578	789119	D0025936	
Taylor, John	Domestic	06N	05W	21	SESE		20	120	210	0	0	27331	815714	0	
Phillips, Russell	Domestic	06N	05W	22	NENE		15	85	215	204	6	32813	722972	0	
Wilkinson, Ray	Domestic	06N	05W	22	SESW		150	120	220	0	0	29084	777706	0	
Hillard, Wade	Domestic	06N	05W	28	SWSE	Fort Boise Rd	40	148	230	198	6	33407	724555	0	
Vinson, John	Domestic	06N	05W	28	SESW	31140 Circle Dr	30	79	125	119	6	34565	728425	0	
Vinson, John	Injection	06N	05W	28	SESW	31140 Circle Dr	20	79	170	138	6	34564	728426	0	
University of Idaho	Irrigation	06N	05W	28	SENE		0	180	485	0	0	28352	790555	0	
Bernman, Lynn	Domestic	06N	05W	28	SESW		15	75	105	0	0	27269	809906	0	
Edwards, George	Domestic	06N	05W	28	SESW		10	85	111	0	0	27850	816854	0	
Hilliard, Wade A	Domestic	06N	05W	28	SWSW		0	0	0	0	0	0	724227	0	
Bors, Emery	Domestic	06N	05W	28	SWSW		0	88	105	0	0	28032	790556	0	
Seigh, Nathan	Domestic	06N	05W	28	SWSW		40	65	105	0	0	26988	802875	0	
Haynes, Rick	Domestic	06N	05W	28	SWSW		10	85	140	0	0	27755	816821	0	
Scaggs, Ken	Domestic	06N	05W	28	SWSW		12	90	140	0	0	27163	817842	0	
Wheeler, Kenneth	Domestic	06N	05W	28	NENE	31827 Parma Rd	70	120	220	206	6	34842	729361	0	
Wheeler, Shane	Domestic	06N	05W	28	NENE	27237 Pearl Rd	30	135	220	198	6	35593	731366	0	
Gary Tuttle Construction Co Inc	Domestic	06N	05W	28	NENE	31945 Parma Rd	125	115	233	231	6	36273	733130	D0009354	
University of Idaho Regents	Irrigation	06N	05W	28	SENE	31601 Parma Rd	620	183	516	438	16	38103	810788	D0030997	

Contact	Use	TWP	RNG	SEC	Tract	WellAddress	Gallons Per Minute	Static Water Level	Total Depth	Casing Depth	CSG. DIA.	Construction Date	Permit Number	Tag Number	Sub
Mc Ahren, Ricky, Mc Ahren, Deborah	Domestic	06N	05W	28	SESW	31082 Circle Drive	15	97	160	150	6	37509	784906	D0025330	
Walz, Art	Domestic	06N	05W	28	SWSE		9999	90	172	0	0	25638	798522	0	
Hilliard, Bo	Domestic	06N	05W	28	SESW		0	0	221	0	0	31555	813795	0	
Piercy, Wayne	Domestic	06N	05W	29	NESE		25	78	124	99	6	33351	724523	0	
Webster, Alla	Domestic	06N	05W	29	NESE		1200	65	144	0	0	22533	815171	0	
Boston, John	Domestic	06N	05W	29	NENW	28769 Pearl Rd	75	17	62	62	6	35368	730806	0	
Landingham, Van	Domestic	06N	05W	29	NENW		60	31	144	0	0	28758	789742	0	
Looney, Pat, Looney, Steve	Domestic	06N	05W	29	SWNW	28901 Stubb Lane	40	20	80	59	6	34457	727777	0	
Vankomen, Monty	Domestic	06N	05W	29	SWNW	31886 Apple Valley Rd	25	41	80	79	6	34464	728247	0	
Clarich, Karl H	Domestic	06N	05W	29	SESE		30	95	220	160	6	33904	726158	0	
Haile, Vern, Haile, Lois	Domestic	06N	05W	29	NENE	Hwy 19	0	0	0	0	0	0	730602	0	
Haile, Vern, Haile, Lois	Domestic	06N	05W	29	NENE	Hwy 19	65	20	103	100	6	35283	730603	0	
Velvet Hammer Construction	Domestic	06N	05W	29	NWNW	28883 Pearl Road	75	35	60	58	6	37384	776815	D0019956	
Spurgeon, Daryl	Domestic, Domestic	06N	05W	29	NWNW	31854 Apple Valley Road	14	29	100	97	6	37247	772570	D0019517	
Haile, Terry	Domestic	06N	05W	29	NWNE	28283 Pearl Rd	50	65	204	124	6	37701	796223	D0029215	
McDanielis, Ralph	Domestic	06N	05W	29	NWNW	off of Pearl Road	30	25	73	68	6	37696	795165	D0029218	
Batt, John	Irrigation	06N	05W	32	NESE		0	8	145	76	16	117/1992	725318		
Smith, Lawrence, Smith, Kathy	Domestic	06N	05W	32	SENE	30651 Hwy 95	50	12	80	79	6	12/3/2001	772307	d0019469	
Klahr, James	Domestic	06N	05W	32	NWSW		20	62	200			5/8/1971	802880		
Wilson, Larry	Domestic	06N	05W	32	NWSW		40	14	50			9/28/1972	802887		
Takatori, Yoko	Domestic	06N	05W	32	NWSW	30498 Apple Valley Rd	30	14	40	32	6	7/21/2003	804804	D0025871	
Wilson, Helen	Domestic	06N	05W	32	SWNW		30	25	85			4/11/1986	820441		
Wagoner, Don	Domestic	06N	05W	33	NWNW		30	73	140	100	6	6/25/1984	722121		
Seward, Donnie	Domestic	06N	05W	33	SWSE	27462 Klahr	25	31	62	59	6	6/27/1993	727190		
Yeakel, Lester s	Domestic	06N	05W	33	NWSW	30511 HWY 95	35	11	101	78	6	11/16/1993	727623		
White, James B, White, Debbie A	Domestic	06N	05W	33	NE	27425 Old Fort Boise Rd	25	75	152	141	6	1/31/1999	732965	D0007911	
Hoskins, Tami	Domestic	06N	05W	33	NENE	Corner of Parma Rd and Old Fort Boise Rd	20	100	230	207	6	4/19/1999	733145	D0009285	
Martinez, Manuel	Domestic	06N	05W	33	SENE	30989 Parma Rd	35	111	224	213	6	10/8/1999	733677	D0012189	
Duncan, Amanda	Domestic	06N	05W	33	NENE	27077 Old Fort Boise Rd	15	100	230	-225	6	8/6/2000	765866	D0015128	

Contact	Use	TWP	RNG	SEC	Tract	Well Address	Gallons Per Minute	Static Water Level	Total Depth	Casing Depth	CSG. DIA.	Construction Date	Permit Number	Tag Number	Sub
Kramer, Kurtis	Domestic	06N	05W	33	NWNE		15	107	142	138	6	5/21/2001	769022	D0020114	Kramer's Hillside Sub
Nielsen, Max	Domestic	06N	05W	33	NENW			35	38	116			2/25/1981	788830	Kramer Hillside
Hillard, Wade	Domestic	06N	05W	33	NENE			10	90	145			4/7/1986	809446	
Klahr & Klahr Inc.	Domestic	06N	05W	33	NESW			500	2	76			8/29/1963	815601	
Nielson, Melvin	Domestic	06N	05W	34	SESW		0	0	0				722781		
Rueth, Ray, Rueth, Vicki	Domestic	06N	05W	34	NENW	26722 Old Fort Boise Rd	18	131	225	216	6	7/8/1992	725855		
Stewart, John	Domestic	06N	05W	34	SESW		20	30	123			9/25/1971	802882		
	Domestic	06N	05W	34	SESW		20	30	123			9/25/1971	802883		
Bake, Dean	Domestic	06N	05W	34	NENE		0	0	0				722463		
Hawkins Construction	Domestic	06N	05W	34	NENE	30865 Shelton Rd	30	160	285	247	6	4/29/1996	730294		
Spencer, Randall	Domestic	06N	05W	34	NWNW	26795 Old Fort Boise Rd	50	160	300	260	6	8/26/2003	806072	D0029895	
Poullon, Raymond	Domestic	06N	05W	34	NWNW		9999	123	232			8/30/1959	821308		
Poullon, Raymond	Irrigation	06N	05W	34	NWNW		450	123	223			3/20/1959	825677		
Flake, Jim	Domestic	06N	05W	34	SENE		10	160	355			11/29/1976	821744		
Hansen, Gary	Domestic	06N	05W	34	NENE	30757 Shelton Rd	30	160	280	240	6	12/27/1993	726673		
Nielson, Melvin	Irrigation	06N	05W	34	NENE		0	46	365			8/17/1977	790558		

Attachment C: Theis Analysis

Project: Kent and Shari Johnson

Date: 7/9/2005

Purpose: Estimate drawdown at 250 feet from proposed diversion

Theis Solution for radial flow to a well in a confined system

$$s = \frac{Q}{4\pi T} W(u) \quad W(u) = \int_u^\infty \left(\frac{e^{-u}}{u} \right) du \quad u = \frac{r^2 S}{4Tt}$$

K =	50	(ft/day)
b =	100	ft
Q =	4390	cu ft/day
r =	250	feet
S =	0.0005	
t =	259	days
T =	5000	
u =	6.03282E-06	
W(u) =	11.45	
s =	0.80	feet

K =	50	(ft/day)
b =	50	ft
Q =	4390	cu ft/day
r =	250	feet
S =	0.0005	
t =	259	days
T =	2500	
u =	1.20656E-05	
W(u) =	10.94	
s =	1.53	feet

☐ Input value
 ☐ Calculated value

Attachment C: Theis Analysis

Project: Kent and Shari Johnson

Date: 7/9/2005

Purpose: Estimate drawdown at 250 feet from proposed diversion

Theis Solution for radial flow to a well in a confined system

$$s = \frac{Q}{4\pi T} W(u) \quad W(u) = \int_u^\infty \left(\frac{e^{-u}}{u} \right) du \quad u = \frac{r^2 S}{4Tt}$$

K =	50	(ft/day)
b =	100	ft
Q =	4390	cu ft/day
r =	250	feet
S =	0.0005	
t =	259	days
T =	5000	
u =	6.03282E-06	
W(u) =	11.45	
s =	0.80	feet

K =	50	(ft/day)
b =	50	ft
Q =	4390	cu ft/day
r =	250	feet
S =	0.0005	
t =	259	days
T =	2500	
u =	1.20656E-05	
W(u) =	10.94	
s =	1.53	feet

☐ Input value ☐ Calculated value