

Ident. No. 63-33281

RECEIVED

SEP 28 2009

WATER RESOURCES
WESTERN REGION

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

AMENDED

1. Name of Applicant U.S. Geological Survey, Idaho Water Science Center Phone 208-387-1392
Mailing address 230 Collins Rd. / Boise, ID 83702 Email jrbartol@usgs.gov
2. Source of water supply Groundwater which is a tributary of Boise River
3. Location of point of diversion is Township 03N Range 02E Sec. 11, in the 1/4,
NE 1/4, NW 1/4, Govt. Lot , B.M., Ada County;
additional points of diversion if any: None
4. Water will be used for the following purposes:
Amount 0.45 cfs for Commercial purposes from Jan. 1 to Dec. 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)
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)
Amount for purposes from to (both dates inclusive)
(cfs or acre-feet per year)
5. Total quantity to be appropriated is (a) 0.45 cfs (200 gpm) and/or (b)
cubic feet per second acre feet per year
6. Proposed diverting works:
 - a. Describe type and size of devices used to divert water from the source Well: 8 in diameter, 95 ft TD, 200 gpm pump
 - b. Height of storage dam N/A feet; active reservoir capacity acre-feet;
total reservoir capacity acre-feet
 - c. Proposed well diameter is 8 inches; proposed depth of well is 95 feet
 - d. Is ground water with a temperature of greater than 85°F being sought? No
 - e. If well is already drilled, when? 25Mar2009; Drilling firm U.S. Bureau of Reclamation;
Well was drilled for (well owner) U.S. Geological Survey, Dept of Interior; Drilling Permit No. None
7. Time required for completion of works and application of water to proposed beneficial use is 1 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.
 - e. Other; describe fully. Pumpage will be for conducting aquifer tests to train students from the Federal Government, State and Local agencies, and universities in conducting and analyzing such tests. Use is nonconsumptive.

(pg 2, OVER)

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	
03N	02E	11					Other												

Total number of acres to be irrigated: N/A

10. 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? A temporary appropriation was submitted 30Apr09 and granted 05May09, Indent. No. TP 63-76.

11. a. Who owns the property at the point of diversion? U.S. Geological Survey, Department of Interior
- b. Who owns the land to be irrigated or place of use? Same
- c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing: _____

12. Describe your proposal in narrative form, and provide additional explanation for any of the items above. Attach additional pages if necessary. Flow from the pumping well will be diverted into the lined Cottonwood Creek conveyance channel. A short distance below the well location the creek is routed through a flume for about one mile where it discharges to the Boise River southwest of the intersection of Myrtle and Broadway in Julia Davis Park. Produced water discharged into Cottonwood is in accordance with the "Boise City Non-Stormwater Disposal Best Management Practices Handbook." Pumpage will be for conducting aquifer tests to train students from Federal, State and Local agencies and universities in conducting and analyzing such tests. Water bearing zone is 75-95 ft.

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.

James R Bartolino
Signature of Applicant

James R Bartolino, Hydrologist, U.S. Geological Survey
Print Name (and title, if applicable)

Received by JL Date 9/28/09 Time 3:00 Preliminary check by JL
Fee \$ 150 Received by JH Receipt No. W037928 Date 10/2/09

Receipt #2 of 2, see original Appl & Receipt #1, \$250 total paid by 10/2/09.

U.S. Geological Survey
230 Collins Rd
Boise, ID 83702

Twp: 03 N Rge: 02 E Sec: 11 10ac: SW¼ 40 ac: NE ¼ 160 ac: NW¼
DGPS: N43° 36' 58.82" / W 116° 11' 09.64", NAD83
2740.40 ft (LSD), NCVD88

Use: Monitoring*

Type of work: New well

Drill method: Air rotary and drive

Sealing procedures:

Seal/Filter pack			Amount	
Matrl	From	To	Sacks/lbs	Method
Concrete	0	1	1 sack	
Bentonite (3/4" pellets)	1	18	22 sacks	Tremie

Casing/Liner:

Diameter	From	To	Gauge	Material	Csng	Liner	Welded	Thrded
8"	0	78		Steel	X		X	

Centralizers: None

Perforations/screens:

Factory mill-slotted screen

From	To	Slot size	Number	Diameter	Material
75	95	Sndblkr		6"	Stnls Steel

Static water level or artesian pressure:

06Feb09, 1055: 47.50 blw MP

Access port/MP: MP is N side, inside edge of ¾" PVC access tube on top, N side of 8" casing.

MP is 3.47 ft above benchmark, assume benchmark = land surface.

Water levels will be measured monthly and posted to the USGS NWISWeb site.

Well tests:

Bottom hole temperature:

Depth water first encountered: 50 ft

* Production
well -

Lithologic log:

Bore Dia.	From	To	Remarks	Water
12"	0	18	Poorly sorted silt, sand and gravel with minor clay. Moist.	N
8"	18	30	Poorly sorted clayey silt with gravel and sand. Subround to subangular gravel to 0.7 in. Yellowish brown (10YR 5/4). Moist.	N
"	30	35	Well sorted silt. Yellowish brown (10YR 5/6). Underlain by silty clay. Brown (10YR 4/3). Moist.	N
"	35	40	Poorly sorted gravelly silty sand. Round to subangular gravel to 2.8 in. Pale brown (10YR 6/3). Moist.	N
"	40	45	Poorly sorted gravelly silty sand. Round to subangular gravel to 2.8 in. Yellowish brown (10YR 5/4). Moist	N
"	45	55	Poorly sorted gravelly silty sand. Round to subangular gravel to 2.8 in. Yellowish brown (10YR 5/4). Wet	Y
"	55	60	Poorly sorted gravelly silty sand. Round to subangular gravel to 2.8 in. Brown (10YR 5/3). Small areas of very dark gray (2.5 YR N3) coloration with organic material (twigs, leaf veins?). Wet.	Y
"	60	80	Poorly sorted gravelly silty sand. Round to subangular gravel to 3 in. Brown (10YR 5/3). Wet.	Y
"	80	90	Same as above with slightly less gravel.	Y
"	90	95	Same as above with gravel to 1.5 in.	Y

Completed depth: 95 ft

Date started: 22Jan09

Date completed: 27Jan09

Driller information:

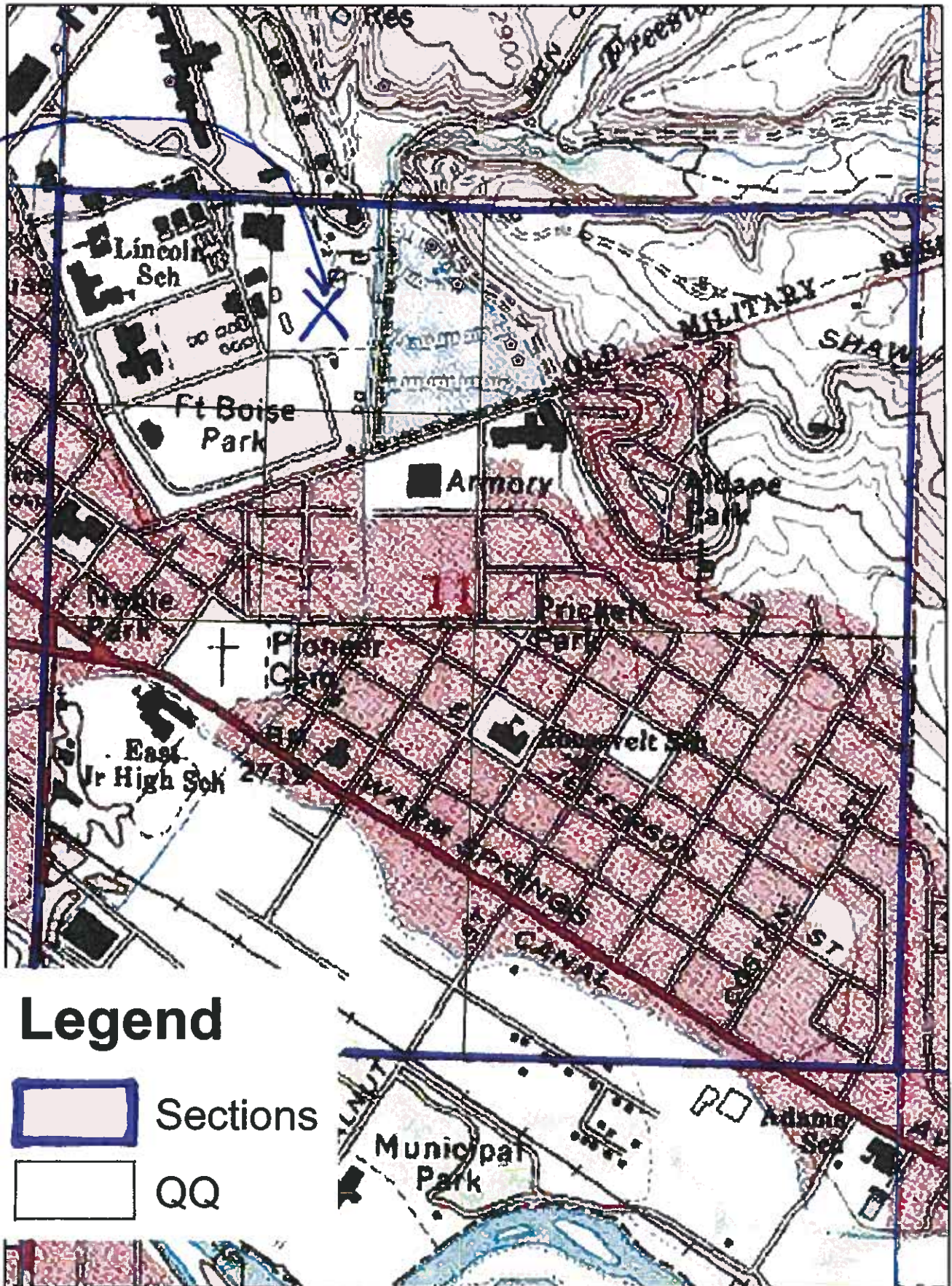
Bureau of Reclamation

Pacific Northwest Region

Geologist: J.R. Bartolino, USGS

USGS 3N 2E Sec. 11

p10
p14



63-33281

[illegible]

Image © 2009 DigitalGlobe

Inventory Date: May 10, 2006

1653

Ident. No. 63-33281

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT

To appropriate the public waters of the State of Idaho

RECEIVED

AUG 25 2009

WATER RESOURCES
WESTERN REGION

1. Name of Applicant U.S. Geological Survey, Idaho Water Science Center Phone 208-387-1392
Mailing address 230 Collins Rd. / Boise, ID 83702 Email jrbartol@usgs.gov
2. Source of water supply Glenns Ferry Fm and Boise River floodplain system which is a tributary of Boise River
3. Location of point of diversion is Township 03N Range 02E Sec. 11, in the NW 1/4,
NE 1/4, SE 1/4, Govt. Lot _____, B.M., Ada County;
additional points of diversion if any: None
4. Water will be used for the following purposes:
Amount 5 acre-ft/yr for Education/Research purposes from Jan. 1 to Dec. 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)
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)
Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per year)
5. Total quantity to be appropriated is (a) 0.45 cfs (200 gpm) and/or (b) 5
cubic feet per second acre feet per year
6. Proposed diverting works:
 - a. Describe type and size of devices used to divert water from the source Well: 8 in diameter, 95 ft TD, 200 gpm pump
 - b. Height of storage dam N/A feet; active reservoir capacity _____ acre-feet;
total reservoir capacity _____ acre-feet
 - c. Proposed well diameter is 8 inches; proposed depth of well is 95 feet
 - d. Is ground water with a temperature of greater than 85°F being sought? No
 - e. If well is already drilled, when? 25Mar2009; Drilling firm U.S. Bureau of Reclamation;
Well was drilled for (well owner) U.S. Geological Survey, Dept of Interior; Drilling Permit No. None
7. Time required for completion of works and application of water to proposed beneficial use is 1 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. _____
 - e. Other; describe fully. Pumpage will be for conducting aquifer tests to train students from the Federal Government, State and Local agencies, and universities in conducting and analyzing such tests. Use is nonconsumptive.

Superscribed

(pg. 2, over)

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	
03N	02E	11					Other												

Total number of acres to be irrigated: N/A

10. 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? A temporary appropriation was submitted 30Apr09 and granted 05May09, Indent. No. TP 63-76.

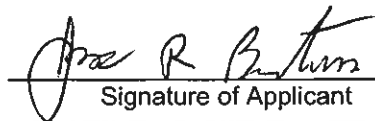
11. a. Who owns the property at the point of diversion? U.S. Geological Survey, Department of Interior
- b. Who owns the land to be irrigated or place of use? Same
- c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing: _____

12. Describe your proposal in narrative form, and provide additional explanation for any of the items above. Attach additional pages if necessary. Flow from the pumping well will be diverted into the lined Cottonwood Creek conveyance channel. A short distance below the well location the creek is routed through a flume for about one mile where it discharges to the Boise River southwest of the intersection of Myrtle and Broadway in Julia Davis Park. Produced water discharged into Cottonwood is in accordance with the "Boise City Non-Stormwater Disposal Best Management Practices Handbook."

Pumpage will be for conducting aquifer tests to train students from Federal, State and Local agencies and universities in conducting and analyzing such tests.

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.

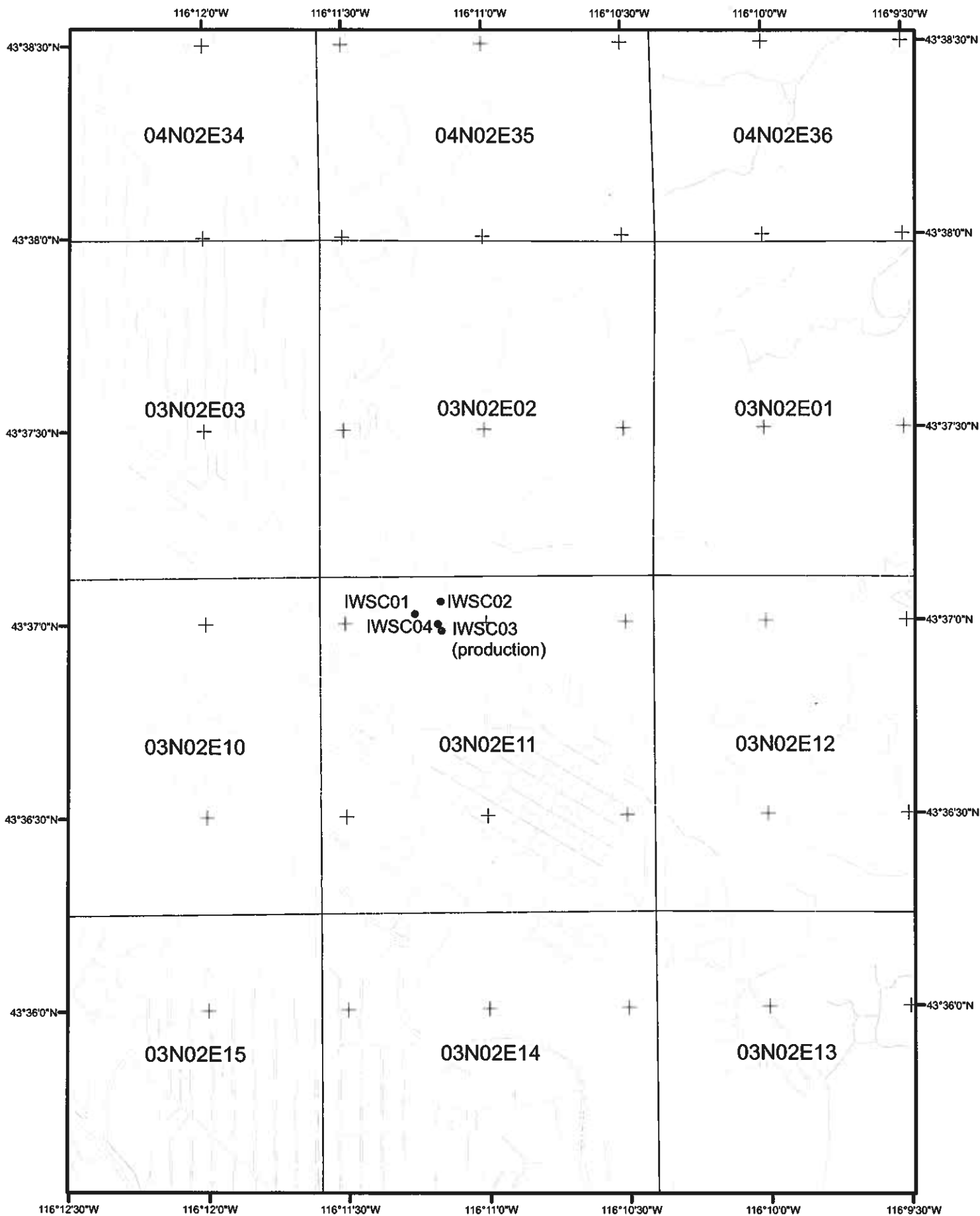

Signature of Applicant

James R Bartolino, Hydrologist, U.S. Geological Survey
Print Name (and title, if applicable)

For Department Use:

Received by Jmh Date 8-25-09 Time 10:15AM Preliminary check by _____

Fee \$ 100.00 Received by Jmh Receipt No. W037828 Date 8-25-09



Scale 1:24,000

U.S. Geological Survey
230 Collins Rd
Boise, ID 83702

Twp: 03 N Rge: 02 E Sec: 11 10ac: SW $\frac{1}{4}$ 40 ac: NE $\frac{1}{4}$ 160 ac: NW $\frac{1}{4}$
Diff GPS: N43° 37' 01.449 / W 116° 11' 15.268, $\pm < 1$ in NAD83,
2740.57 ft $\pm < 1$ in (LSD), NCV D88

Use: Monitoring

Type of work: New well

Drill method: Air rotary and drive

Sealing procedures:

Seal/Filter pack			Amount	
Matrl	From	To	Sacks/lbs	Method
Concrete	0	1	1 sack	
Bentonite (3/4" pellets)	1	25	10 sacks	Tremie
Sand (8x12 silica)	25	130	46 sacks	"
Bentonite	130	150	8 sacks	"

Casing/Liner:

Diameter	From	To	Gauge	Material	Csng	Liner	Welded	Thrded
2"	0	29	Sch. 40	PVC	X			X
2"	119	129	"	"	X			X

Centralizers: 29 ft, 60 ft, 130 ft

Perforations/screens:

Factory mill-slotted screen

From	To	Slot size	Number	Diameter	Material
29	119	.020	Sch. 40	2"	PVC

Static water level or artesian pressure:

10Oct07, 0800: 44.9 blw lsd

29Oct07, 1345: 45.97 ft blw MP

Access port/MP: 10" Flush-mount vault. MP is inside edge of PVC casing on SE side next to benchmark. MP is 0.11 ft below benchmark, assume benchmark = land surface.

Well tests:

Bottom hole temperature: 15.27 °C/59.5°F (06Mar08)

Depth water first encountered: 25 ft

Lithologic log:

Bore Dia.	From	To	Remarks	Water
6"	0	5	Soil/fill	N
"	5	35	Poorly sorted sand and gravel with some clay. Brownish yellow (10YR 6/8). Becomes moist at 12 ft.	Y
"	35	40	Sandy clay. Dark yellowish brown (10YR 4/4)	Y
"	40	45	Gravelly sand. Much drier below 40 ft.	N
"	45	63	Sandy gravel. Wet	Y
"	63	70	Gravelly sand, much softer. Light brownish gray (10YR 6/2).	Y
"	70	83	Sandy gravel, much harder, well cemented conglomerate. Returns are broken cobbles.	Y
"	83	86	Basalt boulder. Massive	N
"	86	116	Silty sand with clay. Yellow (2.5Y 7/6).	Y
"	116	150	Sand and clay. Very dark gray (2.5Y N3). Equivalent to "Blue sand" and "Blue clay" on other logs in the area.	Y

Completed depth: 130 ft

Date started: 09Oct07

Date completed: 12Oct07

Driller information:

Bureau of Reclamation

Pacific Northwest Region

Geologist: J.R. Bartolino, USGS

U.S. Geological Survey
230 Collins Rd
Boise, ID 83702

Twp: 03 N Rge: 02 E Sec: 11 10ac: NW¼ 40 ac: NE ¼ 160 ac: NW¼
DGPS: N43° 37' 03.34" / W 116° 11' 09.76", NAD83
2744.69 ft (LSD), NCVD88

Use: Monitoring

Type of work: New well

Drill method: Air rotary and drive

Sealing procedures:

Seal/Filter pack			Amount	
Matrl	From	To	Sacks/lbs	Method
Concrete	0	3	1 sack	
Bentonite (3/4" pellets)	3	22	27 sacks	Tremie
Sand (8x12 silica)	22	89	63 sacks	"

Casing/Liner:

Diameter	From	To	Gauge	Material	Csng	Liner	Welded	Thrded
2"	0	32.4	Sch. 40	PVC	X			X
2"	82.4	87.4	"	"	X			X

Centralizers: 20 ft, 60 ft

Perforations/screens:

Factory mill-slotted screen

From	To	Slot size	Number	Diameter	Material
32.4	82.4	.020	Sch. 40	2"	PVC

Static water level or artesian pressure:

23Jan09, 1445: 47.78 blw MP

Access port/MP: Flush-mount vault. MP is inside edge of PVC casing on W side closest to benchmark. MP is 0.33 ft below benchmark, assume benchmark = land surface.

Well tests:

Bottom hole temperature:

Depth water first encountered: 58 ft

Lithologic log:

Bore Dia.	From	To	Remarks	Water
12"	0	24	Sand	N
8"	24	41	Sand	
"	41	43	Sandy gravel.	Y
"	43	58	Sand	Y
"	58	84	Sandy gravel.	N
"	84	89	Sand and clay. Very dark gray (2.5Y N3). Equivalent to "Blue sand" and "Blue clay" on other logs in the area.	Y

Lithologic log from drillers—no geologist present or samples collected.

Completed depth: 87.4 ft

Date started: 16Dec09

Date completed: 20Jan00

Driller information:

Bureau of Reclamation

Pacific Northwest Region

Geologist: J.R. Bartolino, USGS

U.S. Geological Survey
230 Collins Rd
Boise, ID 83702

Twp: 03 N Rge: 02 E Sec: 11 10ac: SW¼ 40 ac: NE¼ 160 ac: NW¼
DGPS: N43° 36' 59.87" / W 116° 11' 10.41", NAD83
2740.37 ft (LSD), NCV D88

Use: Monitoring

Type of work: ~~New well~~

Drill method: Air rotary and drive

Sealing procedures:

Seal/Filter pack			Amount	
Matrl	From	To	Sacks/lbs	Method
Concrete	0	1.5	3 sacks	
Bentonite (3/4" pellets)	1.5	50	35 sacks	Tremie
Sand (8-12 silica)	50	95	17 sacks	"

Casing/Liner:

Diameter	From	To	Gauge	Material	Csng	Liner	Welded	Thrded
2"	0	80	Sch. 40	PVC	X			X
2"	90	95	"	"	X			X

Centralizers: 29 ft, 60 ft, 130 ft

Perforations/screens:

Factory mill-slotted screen

From	To	Slot size	Number	Diameter	Material
80	90	.010	Sch. 40	2"	PVC

Centralizers: 79, 91

Static water level or artesian pressure:

01Apr09, 1440: 44.07 blw lsd

Access port/MP: Flush-mount vault. MP is inside edge of PVC casing on SW side closest to benchmark. MP is 0.2 ft below benchmark, assume benchmark = land surface.

Well tests:

Bottom hole temperature:

Depth water first encountered: 15 ft (perched), 45 ft

Lithologic log:

Bore Dia.	From	To	Remarks	Water
6"	0	5	Medium to coarse sand with silt and fine gravel. Yellowish brown (10YR 5/4). Moist.	N
"	5	10	Poorly sorted gravelly sand with some clay. Subround to subangular gravel to 1.3 in. Yellowish brown (10YR 5/4). Moist.	N
"	10	15	Poorly sorted sandy gravel with some silt. Subround to subangular gravel to 2.5 in. Yellowish brown (10YR 5/4). Moist.	N
"	15	20	Poorly sorted gravelly sandy silt with some clay. Subround to subangular gravel to 1 in. Dark yellowish brown (10YR 4/4). Wet.	Y
"	20	25	Poorly sorted gravelly sand. Subround to subangular gravel to 1.3 in. Yellowish brown (10YR 5/4). Dry.	N
"	25	30	Poorly sorted gravelly sand. Higher percentage of subround to subangular gravel to 1.3 in. Dark yellowish brown (10YR 4/6). Moist.	N
"	30	35	Silty clay. Brown (10YR 4/3). Underlain by poorly sorted gravelly sand to silt. Subround to subangular gravel to 0.4 in. Brown (10YR 4/3). Moist.	N
"	35	40	Poorly sorted gravelly silty clay. Round to subangular gravel to 1.5 in. Brown (10YR 4/3). Moist.	N
"	40	45	Poorly sorted gravelly silty sand. Round to subangular gravel to 2.8 in. Pale brown (10YR 6/3). Moist.	N
"	45	55	Poorly sorted gravelly silty sand. Round to subangular gravel to 2.8 in. Yellowish brown (10YR 5/4). Wet.	Y
"	55	60	Poorly sorted gravelly silty sand. Round to subangular gravel to 2.8 in. Brown (10YR 5/3). Wet.	Y
"	60	65	Poorly sorted gravelly silty sand. Round to subangular gravel to 2.8 in. Brown (10YR 5/3). Minor amounts of soft black material to 0.1 in (charcoal?). Wet.	Y
"	65	90	Poorly sorted gravelly silty sand. Round to subangular gravel to 3 in. Brown (10YR 5/3). Wet	Y
"	90	95	Sand and clay. Very dark gray (2.5Y N3). Equivalent to "Blue sand" and "Blue clay" on other logs in the area.	Y

Completed depth: 95 ft

Date started: 23Mar09

Date completed: 25Mar09

Driller information:

Bureau of Reclamation
Pacific Northwest Region

Geologist: J.R. Bartolino, USGS

Buffington, Denise

From: Buffington, Denise
Sent: Tuesday, October 13, 2009 2:21 PM
To: 'Water District 63'
Subject: Comment letter 63-33281
Attachments: 63-33281 Comment Letter to WD63.doc; 63-33281 APP.pdf

Please review the attached information and comment as necessary. Feel free to contact our office if you have any questions about this information.

Thank You,

Denise Buffington
Administrative Assistant
Dept of Water Resources
Western Region

10/13/2009

October 13, 2009

REX BARRIE, WATERMASTER 63
10769 W STATE ST
PO BOX 767
STAR ID 83669

Re: Application No(s). 63-33281

Dear Watermaster:

Attached are copies of one or more applications that may be of interest to you.

Please complete the necessary recommendation form(s) and return to this office within 21 days of the date of this letter. Regional review of unprotested applications can be completed as soon as the final protest period is past; your prompt response to this request is appreciated so that your recommendation can be considered during regional review.

If after 21 days from the date of this letter the Department has not received your written recommendation, the Department will presume you do not oppose approval of the application and you have no comments for the Department to consider.

However, possible approval of the application(s) will include conditions of approval about standard controls for uses in your water district (lockable, measureable diversion works, etc).

Please contact this office at 334-2190 if you have any questions regarding the application(s).

Sincerely,

Denise Buffington
Administrative Assistant

Enclosure Copy of Applications(s)

Buffington, Denise

From: Buffington, Denise
Sent: Thursday, October 08, 2009 2:03 PM
To: 'legals - Boise'
Subject: Legal Notice
Attachments: Ada County Apps - Cover Letter.doc; 63-33281 Ad.doc

Attached please find (1) legal notice being submitted for publication. Please contact me if you have any questions or if you are not able to run the ad on the dates requested.

Thank you in advance,

Denise Buffington
Administrative Assistant
Dept of Water Resources
Western Region

10/8/2009

October 8, 2009

LEGAL NOTICE DEPARTMENT

IDAHO STATESMAN
PO BOX 40
BOISE, ID 83707

RE: Application For Permit No(s): 63-33281

Dear Legal Notice Department:

Please publish the enclosed legal notice 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 11/2/2009. Your cooperation is appreciated.

Sincerely,

Denise Buffington
Administrative Assistant

Enclosure(s)

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

63-33281

U S GEOLOGICAL SURVEY
IDAHO WATER SCIENCE CENTER
230 COLLINS RD
BOISE, ID 83702

Point of Diversion NENW S11 T03N R02E ADA County Source GROUND WATER

Use: COMMERCIAL 01/01 to 12/31 0.45 CFS

Total Diversion: 0.45 CFS

Date Filed: 8/25/2009

Place Of Use: COMMERCIAL

T03N R02E S11 NENW

Water bearing zone to be appropriated for an existing cold water well is from 75 to 95 feet. Use is for educational training at USGS complex in Fort Boise Park. Consumptive use mitigated by routing shallow ground water to the Boise River via Cottonwood Creek.

Permits will be subject to all prior water rights. Protests may be submitted based on the criteria of Idaho Code § 42-211. Any protest against the approval of this application must be filed with the Director, Dept. of Water Resources, Western Region, 2735 Airport Wy, Boise ID 83705 together with a protest fee of \$25.00 for each application on or before 11/2/2009. The protestant must also send a copy of the protest to the applicant.

GARY SPACKMAN, Interim Director

Published on 10/15/2009 and 10/22/2009

Lester, Steve

From: Lester, Steve
Sent: Monday, October 05, 2009 8:45 AM
To: 'Jim Bartolino (jrbartol@usgs.gov)'
Subject: Water Right Application, Boise USGS Site

Contacts: USGS

Jim:

Thanks for sending the additional fee. Processing will continue.

One thing you can do to help that along: if possible, please provide something that documents how well drilling by USGS &/or BOR follows state guidelines/regulations. I recall you said something about that when we met - that "federal drilling" results in wells meeting construction standards for the state in which the well is drilled. That should help me deal with the well construction issues normally associated with applications.

Thanks for the assistance. Please let me know if you need more information.

Steve Lester
Water Rights Supervisor
IDWR Western Region
tel: 208.334.2190
fax: 208.334.2348



United States Department of the Interior

U. S. GEOLOGICAL SURVEY

Water Resources
230 Collins Road
Boise, Idaho 83702-4520
<http://id.water.usgs.gov>

RECEIVED

OCT 02 2009

WATER RESOURCES
WESTERN REGION

October 1, 2009

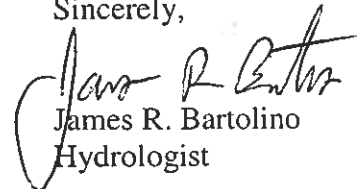
Mr. Steve Lester
Western Regional Office
Idaho Department of Water Resources
2735 Airport Way
Boise, Idaho 83705

Steve:

Enclosed is a check for the additional \$150 required for the revised permanent water right permit we completed on Monday.

Thank you so much for your help. Please let me know if I've done anything else wrong or if you need more information. I will be in the field most of October; I can be reached on my mobile phone at 208-830-5524 or by email at jrbartol@usgs.gov.

Sincerely,


James R. Bartolino
Hydrologist

Enclosure

#W037928 10-2-09 jah

Lester, Steve

From: Skaggs, Pam
Sent: Monday, August 31, 2009 12:11 PM
To: Lester, Steve
Subject: RE: B.U. to use on appl

Steve,

Good stumper question. I discussed with Shelley & we did a little research.

Appears that "Administrative" use has been used solely on Federal Reserved Rights.

We can't think of an occasion to use "See Remarks" even though it is on the list.

Looking at schools we found examples of "Commercial" use (U of I 87-7141, Murtaugh 45-10153 & Meridian 63-10982). "Domestic" use would be more for drinking, bathrooms etc.

So, I recommend "Commercial" use with a explanation condition describing the intended uses.

Not a perfect fit, but the closest umbrella type use with some previous applications.

Pam

From: Lester, Steve
Sent: Monday, August 31, 2009 11:34 AM
To: Skaggs, Pam
Subject: B.U. to use on appl

Hi Pam:

Have an unusual application for permit question regarding which b.u. term to use for water use.

USGS office/research site in Fort Boise Park behind St. Luke's proposes some non-consumptive use of shallow ground water for education/research at their site. This is where Hydrology staff, Cherie, Angie etc. had the recent ground water modeling class hosted by USGS.

The application lists water use as "education/research" with notes about conducting tests & training students etc.

Looking at our b.u. list from Wenet, best fits are "administrative" (but does that mean something special not suitable for this project?) or "see remarks" (last one on the list).

Have you run into something like this before? What do you think?

Thx

Steve

Steve Lester
Water Rights Supervisor
IDWR Western Region
tel: 208.334.2190
fax: 208.334.2348
email: westerninfo@idwr.idaho.gov



United States Department of the Interior

U. S. GEOLOGICAL SURVEY

Water Resources
230 Collins Road
Boise, Idaho 83702-4520
<http://id.water.usgs.gov>

RECEIVED

AUG 25 2009

WATER RESOURCES
WESTERN REGION

August 24, 2009

Mr. John F. Westra, Regional Manager
Western Regional Office
Idaho Department of Water Resources
2735 Airport Way
Boise, Idaho 83705

John:

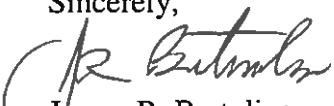
Enclosed is our application for a permanent water appropriation and various supporting material for the USGS Groundwater Training Site. I have asked for a maximum diversion of 5 acre-ft/yr—a 1 acre-ft/yr increase from the temporary application based on our first 24-hr test—this is the uppermost conceivable limit of what we would pump and I believe that actual pumpage should be much less.

As supporting material I have included two location maps and an updated driller's log for the production well and drillers' logs from the three monitoring wells on the site. Well locations are surveyed in and are thus final locations. All wells are entered into our NWIS database and will soon be available from NWISWeb along with the monthly water-level measurements. I would like all of the wells on site to be entered into the well information database so that the logs are available. We are still finalizing the results from our first test, and we had some problems with the pumping rate. I'm sure we'll be able to improve estimates in subsequent tests. I can submit a separate letter with these initial results with a caveat to contact us for subsequent refinements.

Please let me know if I've done something wrong, you need more information, or anything is unreasonable. My phone number is 208-387-1392 and email address is jrbartol@usgs.gov.

Again, thank you so much for your help.

Sincerely,


James R. Bartolino
Hydrologist

Enclosure