

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

4520
45-429
Renumber to

A. GENERAL INFORMATION

Permit No: 96-9306

Exam Date: 8/1/2008

1. Current Owner: BRUNNER WATER ASSOCIATION INC
32950 N NEIGHBOR CT
ATHOL ID 83801
(208) 699-7896

2. Accompanied by: Kevin Hecker
Phone No: (208) 699.7896
Address: 32950 N Neighbor CT, Athol, ID 83801
Relationship to Permit Holder: Husband of Association President

3. SOURCE**TRIBUTARY**

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 96-9094, 96-8221, 96-8186, 95-9437,
2. Other water rights with the same point of diversion: 96-8221, 96-8186, 96-9094, 96-9228

C. DIVERSION AND DELIVERY SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER

L4 SW1/4SW1/4

Sec. 30, Twp 53N, Rge 03W, B.M.

KOOTENAI County

Method of Determination: Garmin GPS, USGS 7.5' Quadrangle
'Spirit Lake East'

2.

PLACE OF USE: DOMESTIC

Twp Rge Sec	NE				NW				SW				SE				Totals
53N 03W 30	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
										X	X						
										L4							

PLACE OF USE: IRRIGATION

Twp Rge Sec	NE				NW				SW				SE				Totals
53N 03W 30	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
											1.0	.5					1.5
										L4							

Total Acres: 1.5

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Method of Determination:

3. ☒ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
- ☒ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
- ☒ Aerial Photo Attached (required for irrigation of 10+ acres).
- ☒ Photo of Diversion and System Attached

4.

<u>Well or Diversion</u> ID No.*	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge Size</u>
72484	Franklin	3	Unknown	Franklin	Unknown
-	-	-	-	-	-

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.

<u>Measurement Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
Flowmeter	Recordall	Badger	120	-	1 1/2" (DN 40 mm)	Unknown
Bucket	Plastic	Unk	-	-	5 Gallon	Marked For Gallons/liters

2. Measurements: *Bucket at Spigot*

$$\frac{5 \text{ GAL}}{12 \text{ SEC}} \times \frac{5}{5} = \frac{25 \text{ GAL}}{60 \text{ SEC}} = 25 \text{ GPM}$$

~~Flowmeter 8 Minutes~~

$$25 \text{ GPM} = .055 \text{ CFS}$$

E. FLOW CALCULATIONS

Additional Computation Sheets Attached

Measured Method:

Flowmeter monitored for 8 minutes well operation with faucets on.

End Reading 04251900 GAL
Start Reading 04251800 GAL
100 GAL

$$100 \div 8 = 12.5 \text{ GPM}$$

$$12.5 \text{ GPM} = .027 \text{ CFS}$$

$$.027 \text{ CFS} = .03 \text{ CFS}$$

(By reference to chart)

PUMP EQUATIONS			WATER RIGHT No. 96-9306			
			HP	H in feet	Efficiency as a decimal	Pumping lift in feet
Q = HP*8.8*Eff/H			3	414.8231	0.7	357
Q =			0.045	CFS = 22 GPM		System pressure in PSI
						25

Association members state existing 3 Horsepower pump used when well was modified.

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F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 1.5 \times 3.0 = 4.5 \text{ AF}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = .06 \times 246 \times (1.9835) = 29.276 \text{ AF}$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{D.R.} = 4.5 \text{ AF}$$

$$2. \text{ Volume Calculations for Other Uses: Domestic } (3 \text{ homes}) \times (.6 \text{ AFA}) = 1.8 \text{ AF}$$

G. NARRATIVE/REMARKS/COMMENTS

The Brunner Water System (BWS) is owned by the Brunner Water Association and is a non-public water system per Idaho Department of Environmental Quality (DEQ). DEQ has assigned Public Water Supply (PWS) number ID1280302 to both the Morgan Estates Water Association and Brunner Water Association. The Associations have separate and unconnected water systems. BWS has three homes on the system for this water right. Other water rights also use the 96-9306 well as a Point of Diversion.

The well for this water right was dug before a requirement existed to file well logs with the Idaho Department of Water Resources (IDWR). No well log exists in IDWR records or was located during the Field Exam. A H2O Well Service Work Order dated April 3, 2001 indicates the well static level depth is 357 feet. A 1994 invoice from H2O Well Service indicates that a three horsepower submersible pump is installed.

The system has no storage. A BWS customer has installed a 1200 Gallon reservoir for one home (1989 E Brunner RD).

The BWS well was modified recently by raising the well casing to above ground level and construction of an adjacent building that houses pressure tanks and a Badger Model 120 Recordall flowmeter. The meter records total gallons pumped from the well to customers.

The system delivered 100 gallons over an eight minute period (8.5 GPM) on 8/15/08 when relying upon faucets in each home to generate demand on the well. A spigot outside the well generated over five gallons in 12 seconds (25 GPM) when operated alone.

DEQ assigned a new Public Water Supply Number to BWS on August 28, 2008. The new PWS Number is ID1280333.

Have conditions of permit approval been met? ☒ Yes ☐ No

H. RECOMMENDATIONS

1. Recommended Amounts

BENEFICIAL USE	PERIOD OF USE	DIVERSION RATE	ANNUAL VOLUME
DOMESTIC	01/01 to 12/31	0.080 CFS .06	1.8 AF
IRRIGATION	04/01 to 10/31	0.040 CFS .06	4.5 AF
	Totals:	0.120 CFS .06	6.3 AF

2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name

William M. Maffey

Date

8/29/08

Reviewer

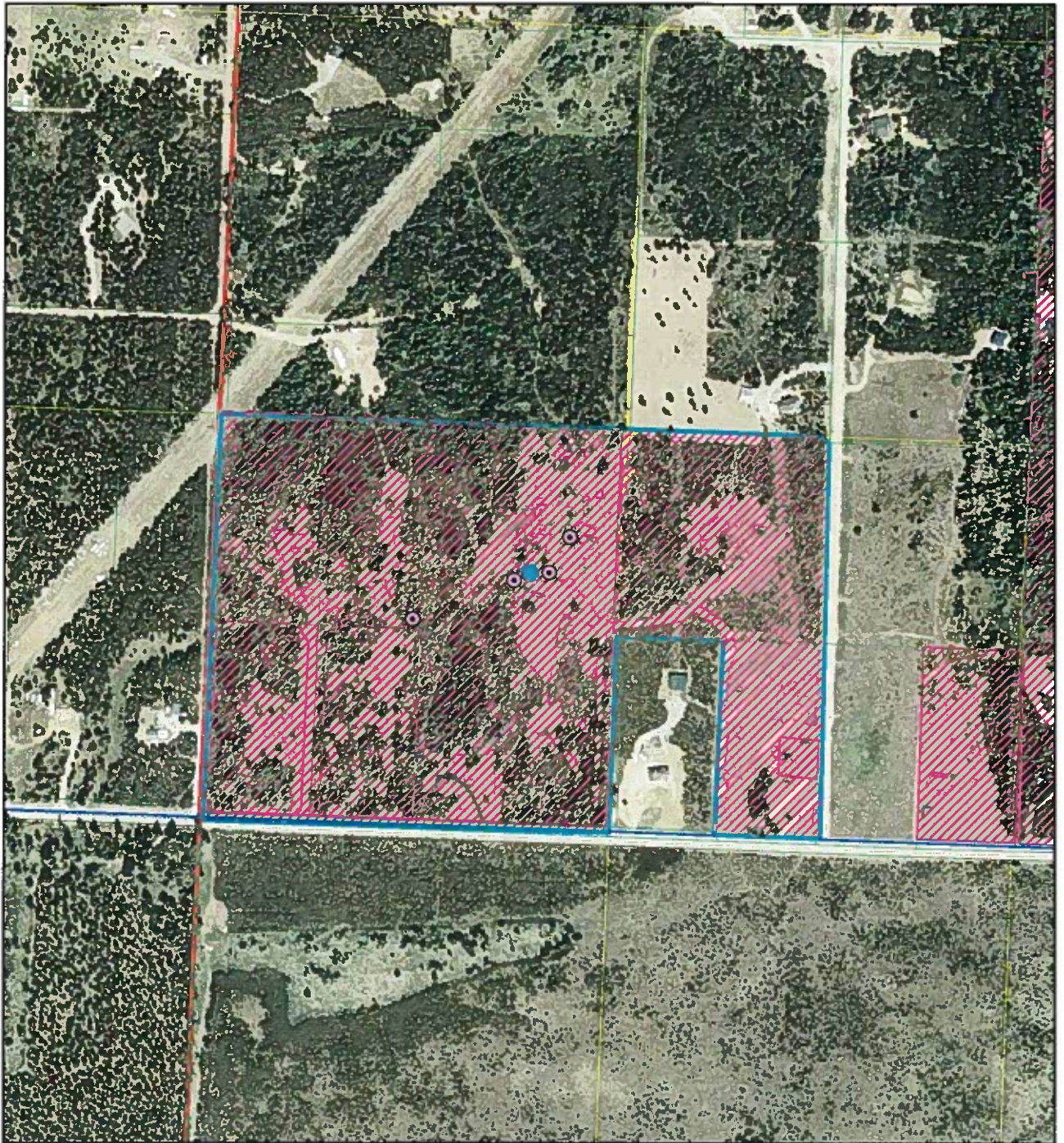
Michael Beck

Date

9/5/08

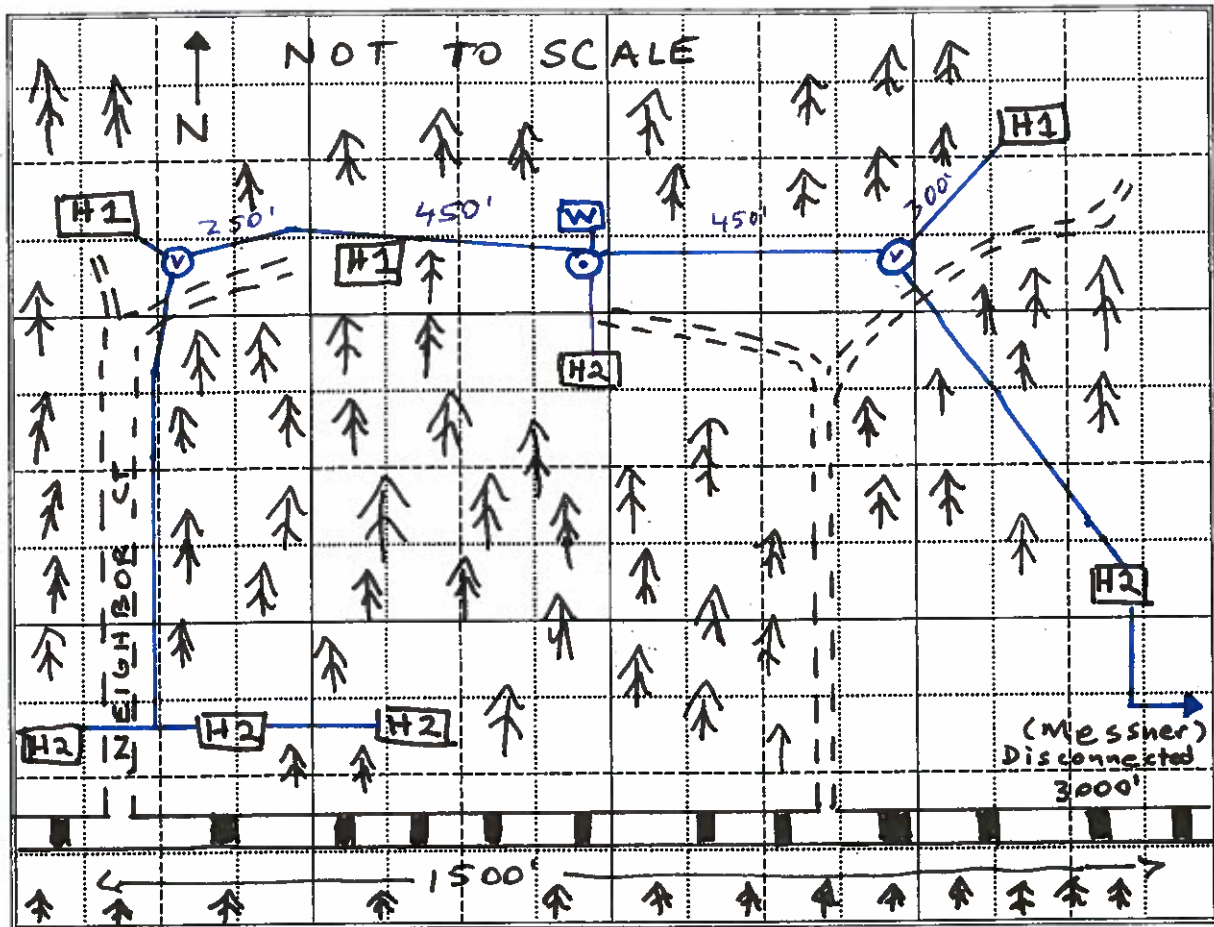
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3. Delivery System Diagram: Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable.



- [H1] House on Permit 96-9306
- [H2] Other House owned by Brunner Water Assoc.
member on other Water Right
- Brunner Water Assoc. Well
- [W] Well Building (Flowmeter / Pressure Tanks)
- ⊙ Valve
- Water Line
- - - Access Road (Gravel)
- ▬ Bruner Road (Paved)
- ↑↑ Forest (Conifers)

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USGS 7.5' Quad.
'Spirit Lake East'

POU

POD

Eightmile Prairie

Ramsey

USGS

Silverwood
Amusement
→ Park

Eightmile
Prairie

Pod

POU

B

PIPELINE

PACIFIC

NORTHERN

Ramsey

Mi

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ROAD CLASSIFICATION

CHAYD

1 MILE



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Survey Details

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Original Survey • Twp 53N-3W, ID, Boise (South, East boundaries)

[Survey Details](#) [Plat Details](#) [Plat Image](#) [Field Note Images](#)

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Description: ---

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BWS Well Location.JPG



BWS Well No Tag.JPG



BWS Well House Pressure Tanks.JPG



BWS Well Spigot Operating.JPG



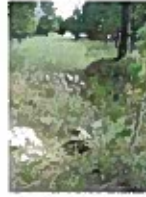
BWS Recordall Flowmeter Location.JPG



BWS- Recordall 120 Flowmeter.JPG



BWS-Non-System Reservoir BLDG & POU.JPG



BWS- Non-System Reservoir BLDG & Valve.JPG



BWS-Non-System Reservoir BLDG pump.JPG



BWS Non- System Reservoir BLDG Interior.JPG



BWS Unused Fire hydrant.JPG

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BWS Well location



BWS Well No Tag

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BWS Well Spigot operating



BWS Well House Pressure Tanks

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BWS Recordall Flowmeter Location



BWS- Recordall 120 Flowmeter

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BWS – Non-System Reservoir BLDG & POU



BWS- Non-System Reservoir BLDG & Valve

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BWS- Non-System Reservoir BLDG Interior



BWS- Non-System Reservoir BLDG Pump

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BWS Unused Fire hydrant

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WELL SERVICE, INC. *Morgan Estates Water*

Date *4/3/01*

NAME: *Terry Morgan* JOB LOCATION: *1 1/2 miles West on Br.*
ADDRESS: *E. 1955 Bruner Rd* DIRECTIONS: *off old Hwy - Driveway*
Arhol, Id. 83801 *next to Large Bull Pi*
PHONE: *683 6703* JOB PHONE: *3 mail Boxes + 14 x 70 ma*

JOB INSTRUCTIONS - WORK ORDERED					WELL INFORMATION						
<i>Replace Both Press tanks</i> <i>in U.G. Pump House - Customer</i>					WELL DEPTH	PUMPSETTING <i>390</i>					
					STATIC LEVEL <i>357</i>	CASING					
					PUMP <i>186530</i>	DRILLING CO.					
					GPM	WIRE SIZE	PIPE SIZE				
QTY.	ITEM	MATERIAL	PRICE	AMOUNT	DESCRIPTION OF WORK DONE						
					<i>Will Have Roof off and system Back in to North</i>						
					<i>Drained when you get there</i>						
<i>2</i>	<i>15B350</i>	<i>B-350 PSTANKS</i>			<i>(Fast and R/R tracks +</i>						
<i>2</i>	<i>326N11412</i>	<i>1 1/4 x 12" NIP</i>			<i>Fast Diag Rd 1/2 - 3/4 mile.)</i>						
<i>4</i>	<i>316T114</i>	<i>1 1/4 Tee</i>			<i>Drove to job site set up</i>						
<i>1</i>	<i>316CR114</i>	<i>1 1/4 CROSS</i>			<i>galled underground pump</i>						
<i>3</i>	<i>316B11434</i>	<i>1 1/4 x 3/4 BUSH</i>			<i>house replaced new</i>						
<i>3</i>	<i>326N11481</i>	<i>1 1/4 x 8"</i>			<i>pstanks says pump had</i>						
<i>2</i>	<i>326N1146</i>	<i>1 1/4 x 6"</i>			<i>trouble with pump starting</i>						
<i>4</i>	<i>536V114</i>	<i>1 1/4 GATE VALVES</i>			<i>cap & relay had replaced</i>						
<i>2</i>	<i>536V1</i>	<i>1" GATE VALVES</i>			<i>then pump came up to</i>						
<i>2</i>	<i>326N1143</i>	<i>1 1/4 x 3" NIP</i>			<i>pressure returned to shop</i>						
<i>3</i>	<i>3164114</i>	<i>1 1/4 UNION GALV</i>			SERVICE CHECKS						
<i>2</i>	<i>50BP34</i>	<i>3/4" HOSE B'INGS</i>			VOLTS OFF	VOLTS RUNNING					
<i>3</i>	<i>316B1141</i>	<i>7/4 x 1" BUSHING</i>			OHMS	RB	RY	BY			
<i>2</i>	<i>3166E90114</i>	<i>1 1/4 ST900</i>			OHMS to GND	R	B	Y			
<i>2</i>	<i>33B1MA1</i>	<i>1" BRASS POLYADAPTER</i>			AMPS	R	B	Y			
<i>2</i>	<i>3436C6820</i>	<i>6820 HOSE CLAMPS</i>			LABOR						
<i>1</i>	<i>316OR34</i>	<i>3/4" CROSS</i>			DATE	EMPLOYEE	TIME IN	TIME OUT	HRS.	RATE	AMOUNT
<i>1</i>	<i>326N342</i>	<i>3/4 x 2" NIP</i>			<i>4-30</i>	<i>Mike</i>	<i>8:30</i>	<i>4:30</i>	<i>8</i>	<i>55.00</i>	
<i>1</i>	<i>316T114</i>	<i>1 1/4 Tee</i>									
<i>1</i>	<i>316B3414</i>	<i>3/4 x 1/4" BUSHING</i>									
<i>2</i>	<i>326N142</i>	<i>1 1/4 x 2" NIPS</i>			DATE	TRAVEL TIME	MILES	HRS.	RATE	AMOUNT	
<i>1</i>	<i>326N112</i>	<i>1 x 2" NIP</i>									
<i>2</i>	<i>326N15</i>	<i>1 x 5" NIP</i>									
<i>1</i>	<i>316T1</i>	<i>1" Tee</i>									
TOTAL MATERIALS					TOTAL LABOR						
					TOTAL MATERIALS						
					TOTAL OTHER						
					TAX						
					TOTAL						



WELL SERVICE, INC.

582 W. Hayden Avenue
Hayden Lake, Idaho 83835
(208) 772-4004

Invoice

Invoice No: 4836
Invoice Date: 09/12/94
Page: 1

KT2080
MORGAN, TERRY
E 1955 BRUNER RD
ATHOL, ID 83801

PUMP INSTALLATION

TERMS: DUE ON RECEIPT

Item Number	Item Description	Unit Price		Extension	T X
6186830 (New pump)	3HP 18GPM WET END	1486.80		1486.80	N
F-30-412	FRKLN 3 HP SUB MTR	0.00		0.00	N
FCB-30	FRKLN 3 HP CTRL BOX	0.00		0.00	N
SUB SURANCE 2-5	GOULDS 5YR WAR 2-5 HP	42.00		42.00	N
TAPE2"	2" HEAVY ELEC TAPE	12.71		12.71	N
SPLICE KIT-4	4 WIRE SPLICE KIT	7.04		7.04	N
TAPE	PLYMOUTH TAPE	4.50		4.50	N
02	PUMP HOIST & OPER.	90.00		450.00	N
18	TRAVEL MILES	1.00		14.00	N

Remit Payment To:

H₂O WELL SERVICE, INC.
582 W. Hayden Avenue
Hayden Lake, Idaho 83835
(208) 772-4004

Sub Total: 2017.05

Net Total: 2017.05

Sales Tax: 2017.05

Invoice Total: 2017.05

Received: 2017.05
Balance:

THANK YOU!

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IDAHO SECRETARY OF STATE Viewing Business Entity

Ben Ysursa, Secretary of State

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BRUNNER WATER ASSOCIATION, INC.

32950 E. NEIGHBOR COURT
ATHOL, ID 83801

Type of Business: CORPORATION, GENERAL NON PROFIT

Status: GOODSTANDING, ANREPT SENT 02 Jun 2008

State of Origin: IDAHO

Date of 08 Aug 2006

Origination/Authorization:

Initial Registered Agent: SCOTT L POORMAN
8884 N GOVERNMENT WAY STE D
HAYDEN, ID 83835

Organizational ID / Filing Number: C168338

Number of Authorized Stock Shares:

Date of Last Annual Report: 18 Jun 2008

Original Filing:

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Filed 08 Aug 2006 INCORPORATION [View Image \(PDF format\)](#) [View Image \(TIFF format\)](#)

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Comments, questions or suggestions can be emailed to: sosinfo@sos.idaho.gov

For this new PWS number, I have entered the SDWIS PWS number, Date, and Regulating Agency. If you have any questions, please let me know.

Thanks,

Curtis Stoehr, REHS
SDWIS Coordinator
Idaho Department of Environmental Quality - State Office
Tel: (208) 373-0542
Fax: (208) 373-0576
Curtis.Stoehr@deq.idaho.gov

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Maxey, Shaun

From: Jamie Barton [jbarton@phd1.idaho.gov]
Sent: Thursday, August 28, 2008 10:16 AM
To: Maxey, Shaun
Subject: FW: New PWS# - ID1280333 - Brunner Water System

From: Curtis.Stoehr@deq.idaho.gov [mailto:Curtis.Stoehr@deq.idaho.gov]
Sent: Thursday, August 28, 2008 10:07 AM
To: Annette Duerock; Dale Peck; David.Gadberry@deq.idaho.gov; Gary.Stevens@deq.idaho.gov; Jamie Barton; John J. Dowling; Marcia.Babcock@deq.idaho.gov; Matthew.Plaisted@deq.idaho.gov; Michael.Camin@deq.idaho.gov; Phyllis Sellmer; Stephen.Tanner@deq.idaho.gov; Suzanne.Scheidt@deq.idaho.gov
Cc: Jerri.Henry@deq.idaho.gov
Subject: New PWS# - ID1280333 - Brunner Water System

New PWS# - ID1280333 - Brunner Water System

ID1280333

Name of PWS: Brunner Water System
County: Kootenai
Regulating Agency: HD1
Status: Active
Date: 6/1/02

For this new PWS number, I have entered into SDWIS the Water System No., System Name, Status, Date, and Regulating Agency. If you have any questions, please let me know.

Thanks,

Curtis Stoehr, REHS
SDWIS Coordinator
Idaho Department of Environmental Quality - State Office
Tel: (208) 373-0542
Fax: (208) 373-0576
Curtis.Stoehr@deq.idaho.gov

From: Suzanne Scheidt
Sent: Thursday, August 28, 2008 10:50 AM
To: Curtis Stoehr
Subject: New PWS# request

Curtis,

Would you please assign a public water system # to the following water system:

Brunner Water System
County: Kootenai
Status: Active
Date: 6/1/2002
Fed Type: Non public
Owner Type: Private
Assigned Regulating Agency: Health District 1

Thank you, Suzanne

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No. C 168338		Due no later than August 31, 2008	
Return to: SECRETARY OF STATE 450 NORTH FOURTH STREET PO BOX 83720 BOISE, ID 83720-0080		Annual Report Form 1. Mailing Address - Correct in this box, if applicable BRUNNER WATER ASSOCIATION, INC. 32950 E. NEIGHBOR COURT ATHOL, ID 83801	
NO FILING FEE IF RECEIVED BY DUE DATE		2. Registered Agent and Office NO PO BOX SCOTT L POORMAN 8884 N GOVERNMENT WAY STE D HAYDEN, ID 83835	
3. New Registered Agent Signature			
4. Corporations: Enter Names and Business Addresses of President, Secretary and Directors.			
Office held	Name	Street or P.O. Address	City State Zip
President	Gwen Hecker	82950 N. Neighbor Ct	Athol ID 83801
Vice-President	Phillip Rettstatt	2183 E. Brunner	Athol ID 83801
Secretary	Ady Griffin	82801 N. Neighbor Ct.	Athol ID 83801
Treasurer	Debra Schisler	1878 E. Brunner	Athol ID 83801
5. Organized Under the Laws of: IDAHO C 168338		6. Signature <i>Gwen Hecker</i> Name (Typed or Printed) <i>Gwen Hecker</i> Date <i>06/16/08</i> Title <i>President</i>	
Issued 06/02/2008		Do Not Tape or Staple	
		200808003671	