

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 81-11893

Exam Date: 5/30/2012

1. Current Owner: JEREMY POPILSKY
166 ROSEHAVE LN
KOOSKIA ID 83539
(805)722-9695
Email: popil_sky@yahoo.com

And/Or

JASON POPILSKY
166 ROSEHAVEN LN (physical address of property)
KOOSKIA ID 83539
(208)935-5732
Email: bropops@gmail.com

2. Accompanied by: In-Office Exam (IDAPA 37.03.02.035), conducted by Sandy Hemenway

3. SOURCE

SPRING

TRIBUTARY

SINKS

B. OVERLAP REVIEW

1. Other water rights with the same place of use: None (other water rights in the same QQ belong to other owners, and other property).
2. Other water rights with the same point of diversion: None

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

SPRING SW1/4SE1/4SE1/4 Sec. 35, Twp 32N, Rge 05E, B.M. IDAHO County

Method of Determination: Arc Map 2009, 2011, Bing Maps Aerial, and 6/4/2012 email confirmation by Jason Popilsky.

2.

PLACE OF USE: DOMESTIC

Twp	Rge	Sec	NE				NW				SW				SE				
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Totals
32N	05E	35																X	

Method of Determination: Arc Map 2009, 2011, Bing Maps Aerial, and 6/4/2012 email confirmation by Jason Popilsky.

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).
- ☒ FACT SHEET ON PUMP, and email description of the construction of the spring.

4.

Well or Diversion**ID No.*****Motor Make****Hp****Motor Serial No.****Pump Make****Pump Serial No. or Discharge
Size**

Developed spring with (4) buried 3 ft. stacked concrete rings (12 ft total depth) collection tank with 3 ft of gravel at the bottom. A Simple Pump Hand Operated Water Pump is located at the top, with a discharge opening where containers can be filled, or a hose or pipe can be attached and run to the house located to the northeast, or to fill a stock tank for 4 horses. (SEE FACT SHEET)

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

D. FLOW MEASUREMENTS

1. Measurements:

No physical measurement was collected due to this being an In-Office Exam.

The Simple Pump Hand Operated Water Pump (FACT SHEET):

When pumping manually, the unique lever arm pump only takes 12 lbs. of force to pump 5 gpm from 100 ft. (this was the example used on the fact sheet)

5 gpm X 0.00223 = 0.011 = 0.01 cfs

RECOMMEND:

Domestic internal/culinary, and external (area surrounding the house and for watering the 4 horses) = 0.01 cfs as permitted.

E. VOLUME CALCULATIONS

1. Volume Calculations for Domestic:

IDWR Standard for Domestic internal/external use = 1.2 af

RECOMMEND:

Domestic/1 home, internal/external use = 1.2 af

F. NARRATIVE/REMARKS/COMMENTS:

An In-Office field exam was conducted. Additional information obtained on the system was obtained via an email and its attachment. The developed spring has (4) 3 ft. concrete rings that are stacked, with 3 ft of gravel at the bottom (12 ft total depth) as a collection tank. Mounted on top of the collection tank is a Simple Pump Hand Operated Water Pump to fill containers and a stock tank for the 4 horses. A hose or water line can be attached to the discharge port and run to the house. The fact sheet on the Simple Pump Hand Operated Water Pump states that this pump only requires 12 lbs of force to pump 5 gpm from 100 ft (0.01 cfs). Use is for Domestic 1 home, culinary/internal and external use (4 horses, and grounds surrounding the house).

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

H. RECOMMENDATIONS

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
DOMESTIC	01/01 to 12/31	0.010 CFS	1.20 AF
<u>Totals:</u>		0.010 CFS	1.20 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

Sandy Homeny Date 6/5/2012

Hemenway, Sandy

Subject: FW: Place of use and Point of Diversion

From: Jason Popilsky [<mailto:brojpops@yahoo.com>]

Sent: Monday, June 04, 2012 4:34 PM

To: Hemenway, Sandy

Subject: Re: Place of use and Point of Diversion

Sandy,..

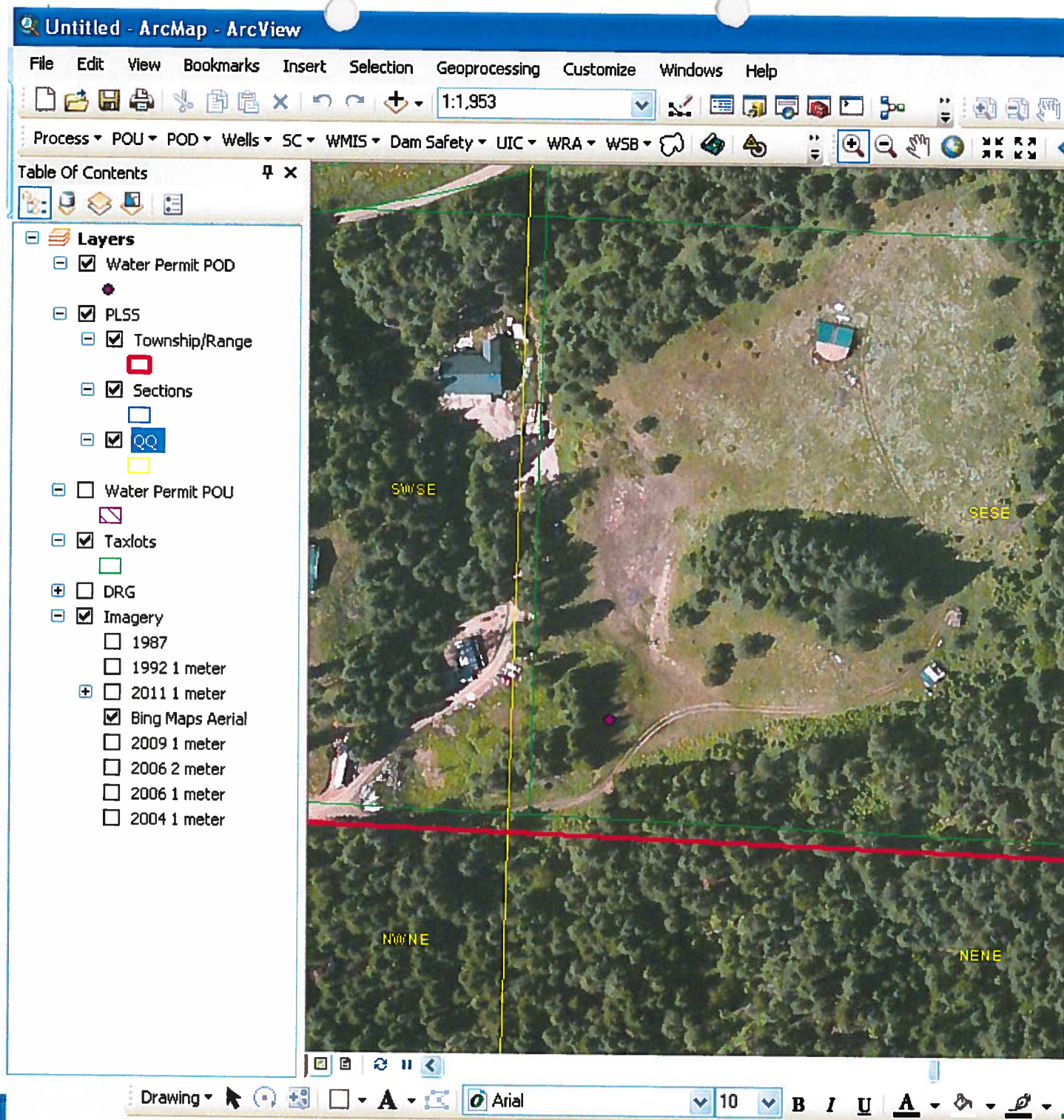
Only the building on the north is domestic. The others are storage. The spring location may be just a hair to the north north east. Thanks again. be well - Jason Popilsky

Hemenway, Sandy

From: Hemenway, Sandy
Sent: Monday, June 04, 2012 2:15 PM
To: Jason Popilsky
Cc: Hemenway, Sandy
Subject: Place of use and Point of Diversion

Hi again,

On my maps, in the SESE, I show 2 buildings, so are both the buildings in the south part of the map and the building with the blue roof in the north part of the SESE to be designated for domestic internal/external use, or is only one building to be included as the place of use? Next, the little purple dot: If this is not the correct location for the spring/POD, could you designate the correct location?



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 Boise, ID 83720-0098
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 CELL: (208) 761-0280
 FAX: (208) 287-6700
 Email: sandy.hemenway@idwr.idaho.gov

Hemenway, Sandy

Subject: FW: water rights

From: Jason Popilsky [<mailto:brojpop@yahoo.com>]
Sent: Monday, June 04, 2012 10:33 AM
To: Hemenway, Sandy
Subject: RE: water rights

Hi Sandy,

The spring is covered with four three foot deep concrete rings. Making it 12 feet deep with a gravel bottom. Here is some attached info on the pump. <http://www.simplepump.com/OUR-PUMPS/Hand-Operated.html>
Thanks so much for your time and let me know if you have any more questions. - Jason Popilsky

--- On Mon, 6/4/12, Hemenway, Sandy <Sandy.Hemenway@idwr.idaho.gov> wrote:

From: Hemenway, Sandy <Sandy.Hemenway@idwr.idaho.gov>
Subject: RE: water rights
To: "Jason Popilsky" <brojpop@yahoo.com>
Cc: "Hemenway, Sandy" <Sandy.Hemenway@idwr.idaho.gov>
Date: Monday, June 4, 2012, 8:22 AM

Hi Jason,

I have just a quick question about your spring system:

- (1) How is the spring developed i.e. buried perforated pipe, gravel, a collection tank, etc?
- (2) What size and type of pipe goes from the spring to the hand pump?
- (3) Can you describe the entire system?

As soon as I receive this information, I should be able to write up your license, and get it signed and mailed out to you.

Thanks so much,

Sandy Hemenway



Hand-Operated, Motorized, Solar — The Modern Water Well Pump

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The Simple Pump™ Hand-Operated Water Pump
Backup or primary. Home, industrial, developing nations

THE SIMPLE PUMP™ HAND-OPERATED WATER PUMP

AS BACKUP RIGHT BESIDE YOUR
EXISTING SUBMERSIBLE.

OR USE AS YOUR PRIMARY PUMP.

GIVE'S YOU FULL USE OF ALL YOUR
HOME'S PLUMBING... ALL TAPS
AND FIXTURES

With Simple Pump, you can easily pump into a
pressurized plumbing system -- or uphill -- or up to
a gravity-feed tank -- or into a pressurized irrigation
system! NO OTHER HAND PUMP CAN GIVE YOU
THIS!

With other hand pumps, you are delivering water to
a bucket, or to a trough or outside tank at ground
level.

Advantages

AFFORDABLE

Simple Pump is the most capable hand pump (retain
use of your home's plumbing system, pump from
350 feet water level, and more)

It is the best made -- the only hand-pump made
with computer controlled machining from aerospace
grade steel and aluminum.

AND YET IT IS MARKEDLY LESS EXPENSIVE THAN
ANY OTHER "SERIOUS" HAND-PUMP.

PUMPING DEPTH

Standard 24-inch handle

When pumping manually, the unique lever arm
pump only takes 12 lbs. of force to pump 5 gallons per minute from 100 feet.

Go Deeper with the optional 36-inch handle

The 36" handle cuts the required pumping force in half! So easy to use, a child can pump up to 5 gallons per minute.
This decreased effort also means you can pump more easily from further down - from as deep as 350 feet water level!
([More info.](#))

EASY TO INSTALL

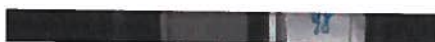
If you have a well with a pitless adaptor, you can install yourself (helper recommended). About two-thirds of our clients
install their own pump. No winch/hoist or specialized tools needed, as with many hand pumps. **And no cutting or
gluing of PVC required.**

Installs in as little as 2 hours using common tools. As one client put it, "My dog could have installed this pump if he had
opposing thumbs! Totally awesome, and works perfectly."

Or you can, of course, have installation done by your local professional installer.

(If your submersible piping exits through the well cap, then the skills and tools of a professional are required.)

FREEZE-PROOF



$$5 \text{ gpm} \times .00223 = 0.011 = 0.01 \text{ cfs}$$

The Simple Pump is freeze-proof with a 1/16" weep hole drilled at 48 inches from the top fitting. (And if that is not deep enough for your area, we'll do a custom weep hole further down, at no charge.)

Water bleeds back down below the frost line when the pump is not in use. We have many pumps in northern Canadian provinces, Alaska and the northern states in the USA without any freeze issues --- operating 24/7 without difficulty, even in high-wind, freezing temperatures reaching -30°F.

HOLDS PRIME

Can hold the column of water for months, and more.

RELIABLE

Simple Pump is more affordable than comparable pumps. But the cost-savings goes beyond the initial set up.

So durable, it has a 50-year lifespan. Aircraft-grade stainless steel and aluminum are computer machined from billets of metal for maximum precision (much stronger than cast iron or aluminum). Because the parts fit together so precisely, wear is greatly reduced. Graphite-impregnated bronze bushings at the three pump-head pivot points further increase durability. Routine maintenance consists of replacing the seals in the pump cylinder and pump head. Replacement times found by most clients range between 3 and 10+ years, at a cost of only \$25. (Time will with amount of use and condition of the water.)

SAFE

The only metal making contact with the water is completely lead-free, CNC-machined stainless steel. And all components are Safe Drinking Water Act compliant.

SECURE

If you are away from your property, for stretches of time, you can remove the pump lever and lower the pump head, leaving your pump inconspicuous and protected (as shown to the right).



AND ONE ADDITIONAL UNIQUE AND INCREDIBLE FEATURE:

Many people find this feature compelling — just knowing it's there, whether or not they ever use it...

If, at some point in the future, you wanted to have a motorized Simple Pump, you just do a quick and easy conversion (approx 10 mins) with the [Motor Extension Kit](#). You don't have to buy a whole new pump. AND if you then have an emergency with the motor, you can switch back to hand-operation, again in only about ten minutes! **No other hand pump offers this hand-motor-hand conversion option.**

We understand it's crucial a pump works when you need it

We took all the benefits of traditional hand pumps - and improved them. Then we took all the disadvantages - and got rid of them.

The result... an incredibly durable and efficient water pump that lasts for generations.

Further details on the advantages of using a Simple Pump are explained on "[Why Simple Pump](#)".

And the Simple Pump can fit in most well alongside a submersible. [More information here.](#)

We'll help you figure everything out

We'll answer your questions, discuss what you need and tailor our recommended system to YOU.

Our quotes explain what we are recommending and why, define all system items, and specify the uniquely low force needed by Simple Pump for your well depth and pumping needs (uphill or into pressure).

We are also available by phone or email for questions AND FOR ASSISTANCE DURING INSTALLATION (whether done by you or your professional installer).

Just send us the details of your situation and needs with our [Get-A-Quote Form](#).
Or you are very welcome to phone us with questions (number below).

SIMPLE PUMP COMPANY, LLC

1140 Amarillo Drive, Gardnerville, Nevada 89460-7504
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Mon-Fri 8-5 Pacific Time (GMT/UTC -8:00)

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