

August 12, 2006

W. Roger Warner
Water Rights Supervisor
Department of Water Resources
900 N. Skyline Drive, Suite A
Idaho Falls, Idaho 83402-1718

RECEIVED
AUG 15 2006
Department of Water Resources
Pulmon Division

RE: Application to Appropriate Water 75-14309

Dear Mr. Warner,

In accordance with your request for additional information regarding my application, I have compiled the enclosed information and the following responses to your query.

Response to Water Appropriation Rules 40.05c - 40.05g

c. (i) Not applicable.

(ii) Enclosed is an aerial photo depicting assumed well locations within a one half mile radius of the project. A search of the Idaho Department of Water Resources (IDWR) on-line records did not return any well locations for the entire Township/Range search. One can only assume that the houses evident in the aerial photo have domestic wells. I assume IDWR should have all well log records for these wells.

(iii) The proposed well will be from a standard 6" domestic cased well. Prior to the development of the well, it is nearly impossible to predict the impact to surrounding wells. There will be no impact to surface water right holders, nor will there be any measurable waste water. The well pump will be sized to match the well capacity and the required irrigation water flow. In any case, the pump will have a defined discharge capacity that will not exceed the flows requested in the application.

d. (i) Diversion rate at peak: 26 gallons per minute.

Average use period: 4-8 hours per day depending on exact soil type, temperature, relative humidity, and tree evapotranspiration.

Volume diverted per year: estimated at 1,200,000 gallons.

Period of year water is required: March 1 to November 15 for irrigation.

Consumptive use: The rate for trees is a fractional amount of an inch of water per day for a area, enclosed by the drip line for a small tree or the total field for a mature orchard.

Consumptive use varies with the tree's growth and its stage of the fruit bearing cycle, but it generally falls in a range of 1/4" per day in the early season to a maximum of 1/2" per day during its peak, which occurs at the fruit's swell stage. Approximately 1/2 acre will be in orchard trees included in the domestic rate request, the remaining one acre will be a mixture of trees and pasture. The pasture irrigation will require approximately nine gallons per minute at peak for a consumptive use of 1" per acre.

(ii) Quantity available from the source will not be known until the well has been drilled and developed. A search of USGS records did not reveal any data concerning the characteristic of the aquifer in that area. There are no alternative sources of water.

e. (i) A copy of the land deed is enclosed. This property was purchased with the sole intent of building a primary residence, developing a small orchard and pasture. A private road has been built to the site in accordance with the easement obtained with the land purchase. All easements for telephone and electrical power have been acquired. Idaho Power Company has installed underground electrical service to the property.

(ii) Hightree Consulting of Boise, Idaho has been hired to develop the site plans for the property, including sewer, water, irrigation, building site development, and road design. A topographic survey was performed, a road was designed and built, and a preliminary sewer design has been completed. A preliminary irrigation system design is almost complete. It is a simple system using backflow preventors, polyethylene plastic pipe, low voltage controls, sprinkler heads and emitters. The plan assumes sufficient water capacity for the irrigation in the domestic well. There are no plans to develop a separate well for irrigation. All further designs and permits will be forwarded to IDWR as they are completed.

f. (i) This project is directly related to the construction of a primary residence. The cost to install the irrigation system is only a few hundred dollars. Specific needs related to irrigation, not including the domestic system, is a backflow preventor, approximately five hundred lineal feet of poly plastic pipe, a twelve station control panel, control valves, emitters, and sprinklers. This is a very minor project. A financial statement is a requirement that is not applicable for this small project.

(ii) The irrigation plan is quite simple. A backflow protected pressure supply line will charge one main line that will be equipped with lateral lines each isolated by a 24 volt zone valve. The timer/controller will operate each zone based on individual crop needs and flow distribution in accordance with available pressure. Sprinkler heads will irrigate all pasture land, lawn and flower beds. Bubbler emitters will supply water to each tree and shrub. Low voltage electrical lines used to control each zone valve will be buried in the trench with the pressure line to reduce installation cost. There will be approximately twelve zones, including the lawn and shrub sprinklers associated with the house and yard. Estimated efficiency is 85%. The exact pipe routing and specific zone valve location will be determined following completion and approval of the lot plat sewer system design in order to meet minimum separation distances per DEQ regulations. Therefore, some of the following footages are estimates.

Equipment Specifications and Cost

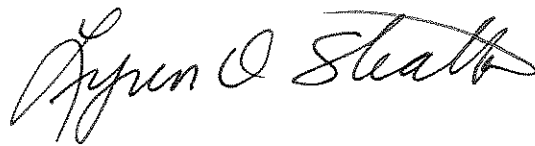
Well Pump ~ 30 gpm	Meyers 1-1/2 hp 26 gpm	NC
	(included with domestic well)	
Backflow Preventor	Watts 007QT CSA certified	\$180.50
Water Flow Control	Hunter 12 station programable	99.00
Zone Valves 12 ea.	RainBird CP-100 24V	120.00
Control Wires	1,000 ln. Ft. 14 ga.	55.00
Polyethylene Pipe	500 ln. Ft.	275.00
Sprinkler Heads 20 ea.	Hunter Pro-Spray	60.00
Emitter Bubbler 26 ea.	Hunter MSBN	90.00
Shutoff Gate Valve	Teel Ball Style	8.00
Low Pressure Shutoff Valve	Dynaquip manual reset	30.00
Installation & Labor	500 ln. Ft. @ 2.50/ft.	<u>650.00</u>
		\$1,567.50

I plan to install the system myself, so actual out of pocket expenses will be \$917.50 plus a \$250.00 trench machine rental. Total project cost is \$1,167.50 based on this year's dollar value.

g. Letters have been submitted to the required agencies. Mr. Tom Curet, IDFG has submitted a written response. At this time, no other responses have been received.

Should you require additional information, please call me at 208-768-7053. If for some reason you find this response to be inadequate, then consider this letter as a request for a time extension. Thank you for your consideration in the matter.

Sincerely,

A handwritten signature in cursive script, reading "Ryan O Steath". The signature is written in dark ink and is centered below the "Sincerely," text.

Enclosures (3)

Cc: Matt Hightree, Hightree Consulting

WARRANTY DEED

For Value Received MARTIN R. CAPPS AND ALMIRA F. CAPPS, HUSBAND
AND WIFE

the grantor , do hereby grant, bargain, sell and convey unto LYNN D. STRATTON

606 IDAHO AVENUE
SALMON, IDAHO 83467

the grantee , the following described premises, in LEMHI County Idaho, to wit:

SEE ATTACHED EXHIBIT "A"

"NO WATER RIGHTS BEING TRANSFERRED WITH THIS PROPERTY"

TO HAVE AND TO HOLD the said premises, with their appurtenances unto the said Grantee ,
HIS heirs and assigns forever. And the said Grantors do hereby covenant to
and with the said Grantee , that they are the owner s in fee simple of said premises; that they
are free from all incumbrances

and that they will warrant and defend the same from all lawful claims whatsoever.

Dated: FEBRUARY 27, 2003


MARTIN R. CAPPS


ALMIRA F. CAPPS

STATE OF IDAHO, COUNTY OF LEMHI

On this 28TH day of FEBRUARY, 2003
before me, a notary public in and for said State, personally appeared

MARTIN R. CAPPS & ALMIRA F. CAPPS

known to me to be the persons whose names are
subscribed to the within instrument, and acknowledged
to me that they executed the same.

Residing at SALMON
Comm. Expires

Notary Public
, Idaho

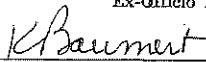
STATE OF IDAHO, COUNTY OF Lemhi

I hereby certify that this instrument was filed for record at the request of Lemhi Title

at forty-eight minutes past three o'clock p.m.,
this 28th day of February
19 , in my office, and duly recorded in Book
of Deeds at page

Ex-Officio Recorder

By



Deputy.

Fees \$ 9.00
Mail to:

INSTRUMENT NO. 63001

Houses Within a ½ Mile Radius Are Assumed to Have a Domestic Well

