

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 61-12060

Exam Date: 6/10/2014

1. Current Owner: LEROY J MARTINEZ
206 N ALTON AVE
PO BOX 862
GLENN'S FERRY ID 83623
2. Accompanied by:
Phone No: 208.366-2486
Address: PO BOX 633 GLENN'S FERRY 83623
Relationship to Permit Holder:

3. **SOURCE** **TRIBUTARY**
LITTLE CANYON CREEK SNAKE RIVER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: Large Irrigation District not pertinent to the land.
2. Other water rights with the same point of diversion: None.

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

LITTLE CANYON CREEK SE1/4SE1/4 Sec. 30, Twp 05S, Rge 10E, B.M. ELMORE County

Method of Determination: PLSS data taken from field visit map.

2.

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	
05S	10E	30																.2	.2

Total Acres: 0.2

Method of Determination: Aerial photography measured with ArcMap tools.

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. Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
Little Canyon Creek	Unk	Unk	Unk	Pacific Hydrostar	25 gpm

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

D. FLOW MEASUREMENTS

1.Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

2. Measurements: system line too small so flow measurements not applicable.

E. FLOW CALCULATIONS

 x Additional Computation Sheets Attached

Measured Method:

See attached theoretical measurement sheet.

Theoretical average flow rate is 0.04 cfs. This flow rate will be limited to 0.02 cfs given max flow rate on permit.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 0.22 \times 4.0 = 0.88 \text{ af}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = .02 \times 246 \times 1.9835 = 9.8 \text{ af}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 0.88 \text{ af}$$

2. Volume Calculations for Other Uses: None

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2. Volume Calculations for Other Uses: None

G. NARRATIVE/REMARKS/COMMENTS

Permit 61-12060 authorized the diversion of 0.02 cfs from Little Canyon Creek for irrigation purposes.

The original owner of this permit was a Joanne Martinez. Current owner of permit 61-12060 is a LeRoy Martinez who is the son to the original owner at 206 N Alton, Glens Ferry, ID 83623. Updated taxlot information shows a different owner in the name of Dennis Cockerham. I was able to contact Ms. Martinez by telephone and she informed me that she sold the home to her son who foreclosed on the property. Mr. Cockerham has since purchased the land and is using the water on the property. A letter was sent to the address requesting contact to schedule a field exam and Mr. Cockerham replied to my request.

I (Patrick Kelly) visited the property and conducted the field exam on June 10, 2014. Little Canyon Creek runs along the east property boundary. Mr. Cockerham uses a Pacific Hydrostar Portable Utility Pump (120 V / 8.4 A / 25 gpm) that rests at the top of the creek bank. The bank is 5-7 ft tall from crest to water surface. A hose runs into the creek and diverts water through it. The pump passes the water to a second garden hose where the property owner attaches a sprinkler or other irrigation attachments to water the properties lawn and trees.

Aerial photography was used to measure the POU of 0.22 acres. Theoretical flow measurements are attached and represent an average flow rate of 0.04 cfs.

Condition 5 of the permit requires the right holder to install a lockable device for the control of the watermaster. Given the size and type of system in place, a lockable device does not seem applicable. Conversations with the water masters secretary did not provide any helpful solution. It was decided in this office to move forward with licensing, keeping the control device condition, and letting the watermaster decide the best action to take should action be necessary in the future.

Based on what was observed during the field exam, I recommend the permit be licensed for a diversion rate of 0.02 cfs. Volume is withheld on license given this is a surface water source out of a stream. Mr. Cockerham will complete a change of ownership form once the licensing process is complete.

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>
IRRIGATION	03/15 to 11/15	0.020 CFS	-
<u>Totals:</u>		0.020 CFS	-

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 Patrick Kelly Date 7-7-2014

Reviewer _____ Date _____

THEORETICAL HORSEPOWER EQUATION WORKSHEET (cjh 1/92)

Water Right No.: 61-12060
 Reviewer: Patrick Kelly
 Date of Review: 6/10/2014

P/D No.:	Senerio 1	Senerio 2	Senerio 3
PUMP HORSEPOWER	0.5	0.5	0.5
BOOSTER HORSEPOWER	0	0	0
PUMPING LEVEL	6	6	6
DISCHARGE PRESSURE	35	35	35
RATE OF FLOW (cfs)	0.04	0.04	0.04 0.04

The above calculates the formula =

$$Q = \frac{8.8 * (\text{Efficiency}) * \text{hp}}{\text{depth to water} + 2.31 * (\text{psi}) + \text{friction}}$$

Assumptions: %70 efficiency.
 No Friction

Examiners Notes:

Horsepower is assumed given the small utility pump that was used. Lift was taken from the surface to the bank level the pump is placed. Discharge pressure of 35 psi accounts for sprinkler system in use. Theoretical average flow rate is 0.04 cfs.



PORTABLE UTILITY PUMP

Model **65836**

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State of Idaho
Department of Water Resources
Field Exam Map
61-12060

This map depicts the IRRIGATION place of use boundary for this water right at the time of this approval and is attached to the approval document solely for illustrative purposes.

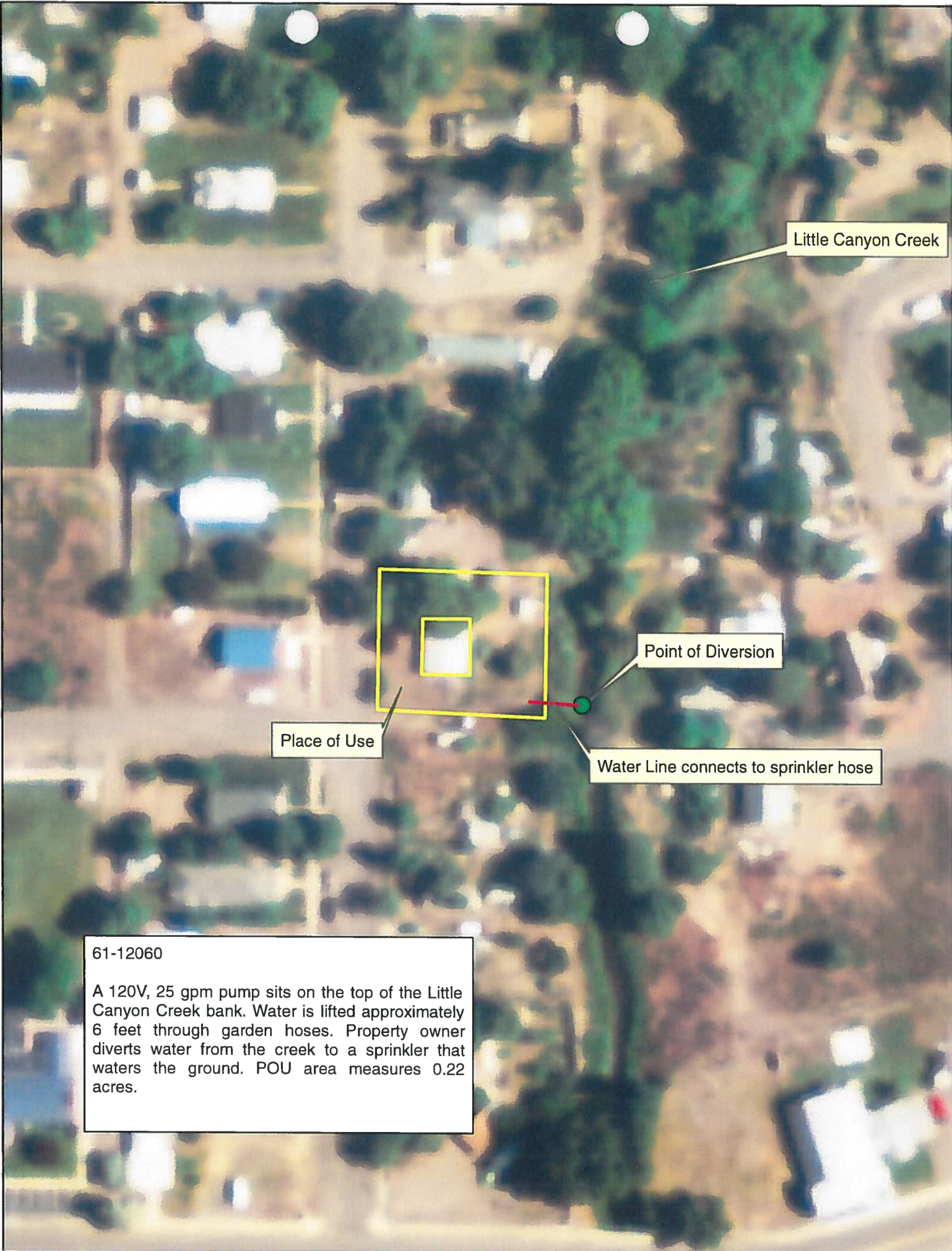
10E



-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections
-  Quarter Quarters

0 0.025 0.05 0.1 Miles



An aerial photograph of a residential neighborhood. A creek, labeled 'Little Canyon Creek', flows through the upper right portion of the image. In the center, a property is outlined with a yellow rectangle. Inside this rectangle is a smaller yellow rectangle labeled 'Place of Use'. To the right of the 'Place of Use' rectangle, a red line indicates a 'Water Line connects to sprinkler hose', ending at a green dot labeled 'Point of Diversion'.

Little Canyon Creek

Point of Diversion

Place of Use

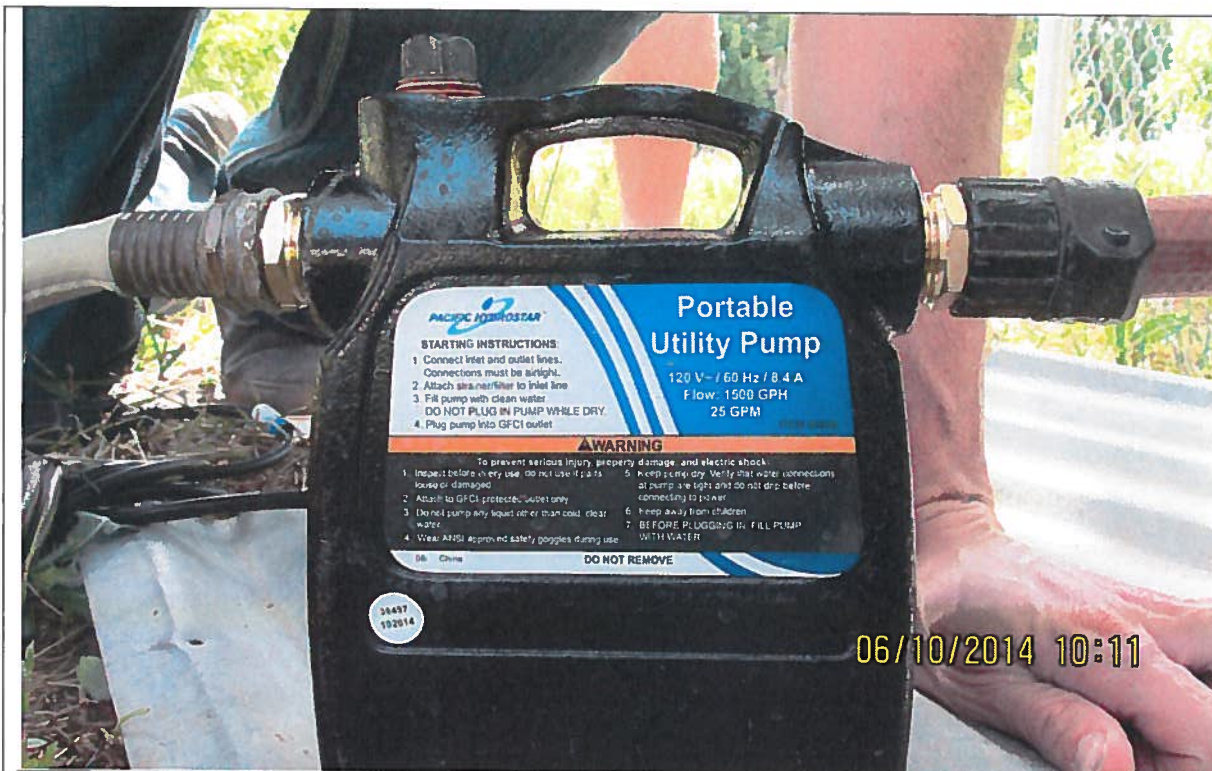
Water Line connects to sprinkler hose

61-12060

A 120V, 25 gpm pump sits on the top of the Little Canyon Creek bank. Water is lifted approximately 6 feet through garden hoses. Property owner diverts water from the creek to a sprinkler that waters the ground. POU area measures 0.22 acres.

PHOTOGRAPHER PATRICK K. LY
DATE OF PHOTOS 6/10/2014

FILE NUMBER 61-12060



Portable Utility Pump used to divert water.



Pump sits on bank of creek. Extension cord powers the pump and is plugged into the house.

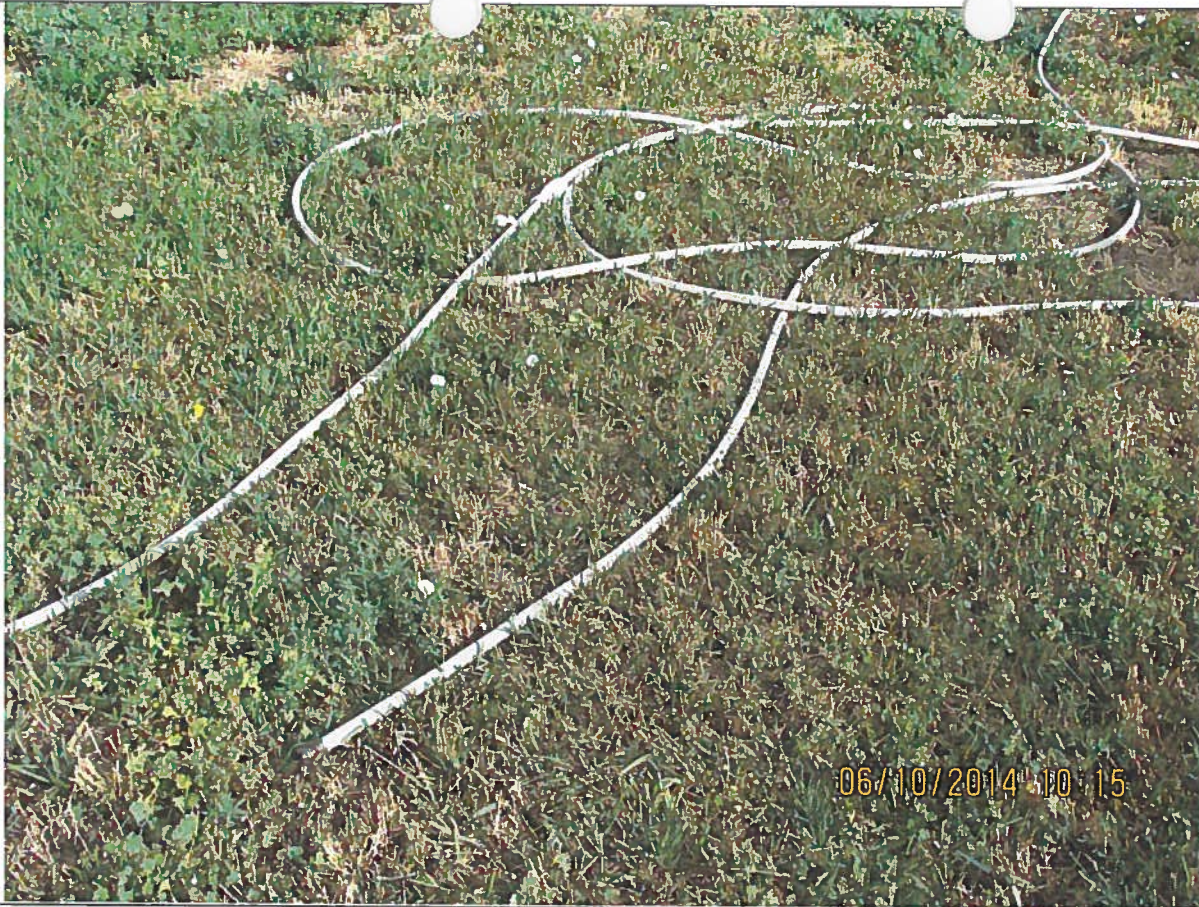


Hose with a cage rests inside the creek.



Little Canyon Creek runs along left of photo. Bank of the creek shown with pump stationed near the chair.

Facing south.



Garden hose connected to the pump. Sprinkler attachments are used to irrigate land.



Front yard.



North end of
back yard.



South end of
back yard.

June 4, 2014

DENNIS COCKERHAM
PO BOX 445
KING HILL IDAHO 83633

RE: Water Right No. 61-12060; Field exam request

Dear Mr. Cockerham:

On January 3, 2008 the Department of Water Resources (IDWR) received a Proof of Beneficial Use statement submitted by Joanne Martinez for Permit 61-12060, which authorized the diversion of water from Little Canyon Creek for irrigation purposes in Section 30, Township 5 South, Range 10 East, B.M., in Elmore County.

The final step in the water appropriation process is the issuance of a Water Right License. By issuing a license, IDWR recognizes that all the requirements for establishing a water right were met. Before issuing a license IDWR must conduct an examination to verify the development. You are receiving this letter because you are a new owner of the property that may be in use of the water system relevant to the permit.

If you believe a water right was developed in accordance with the permit, please contact me to make arrangements for a field examination to be conducted on your property. If I do not hear from you within thirty days, I may be forced to take action to void the permit. This will terminate the permit and void the authorized use of water to irrigate as described.

Please contact me by telephone at 208-287-4933 or by mail to confirm the water use and schedule the field exam.

Respectfully,

Patrick Kelly
Water Resource Agent

MEMORANDUM

TO: Water Right File – 61-12060

FROM: Patrick Kelly – Water Resource Agent

DATE: June 4, 2014

SUBJECT: Request for field exam.

I have been assigned to do the field exam for this water right and am attempting to contact the current land owner/water user. I called Joanne Martinez at her work number in and was informed that she was the original owner of the land. She sold it to her son LeRoy Martinez who was assigned the permit. LeRoy lost the home in foreclosure and the house is now owned by Dennis Cockerham. I sent a letter to Mr. Cockerham to both addresses taxlot information provides requesting that he contact me to conduct the field exam and check the status of the water system and its usage.