

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 65-13773

Exam Date: 10/28/2013

1. Current Owner: LARRY TURNER
7 BAILEY CIR
GARDEN VALLEY ID 83622
(208)462-2707

And/Or

LYNN TURNER
7 BAILEY CIR
GARDEN VALLEY ID 83622
(208)462-2707

2. Accompanied by: Bob Sevilla
Phone No: (208) 462-2723
Address: 21 Scriver Woods Road, Garden Valley, ID 83622-5011
Relationship to Permit Holder: New Owner (Trutanich) Son-in-Law

3. **SOURCE****TRIBUTARY**

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: None
2. Other water rights with the same point of diversion: None

C. DIVERSION AND DELIVERY SYSTEM1. **LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER

SE1/4NE1/4

Sec. 34, Twp 10N, Rge 04E, B.M.

BOISE County

Method of Determination: Arc Map (Aerial Photo); GPS – Latitude N.44°09.515', Longitude W.115°57.539'; Datum – NVD83.

2.

PLACE OF USE: DOMESTIC

Twp Rge Sec	NE				NW				SW				SE				Totals
10N 04E 34	<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>	
				X													

PLACE OF USE: IRRIGATION

Twp Rge Sec	NE				NW				SW				SE				Totals
10N 04E 34	<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>	
				2.0													2.0

Total Acres: 2

Method of Determination: Arc Map (Aerial Photo); Tax Lots.

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 ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge Size</u>
<u>D0015303</u>	<u>Franklin</u>	<u>2</u>	<u>Unknown</u>	<u>Unknown</u>	<u>Unknown</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

*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>
<u>N/A</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

2. Measurements: No field measurement. Water system pressure controlled by a pressure tank. Non-operational Gauge pressure of 48 psi. Assume an operational pressure of 40 psi.

E. FLOW CALCULATIONS

 Additional Computation Sheets Attached

Measured Method: (Theoretical Horsepower Equation)

$$Q = 8.8 \times 0.7 \times 2/170 + (2.31 \times 40) = 12.32/262.40 = 0.05 \text{ cfs}$$

$$Q(\text{theoretical}) = 0.05 \text{ cfs} < 0.16 \text{ cfs } Q(\text{permit})$$

$$HP = 2$$

$$Z = 170' \text{ (Estimated)}$$

$$P = 40 \text{ psi (Assumed)}$$

Appears that the current pumping system cannot attain the permit diversion rate of 0.16 cfs. Since only 2.0 acres is being irrigated, not 4.0 acres as stated on the permit, a diversion rate of 0.10 cfs would be the maximum water appropriation allowed. However, the current pumping system cannot attain a diversion rate of 0.10 cfs. Recommend the pumping system capacity diversion rate of 0.05 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 2.0 \times 3.5 \text{ AF} = 7.0 \text{ AFA}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.05 \times 231 \times 1.9835 = 22.9 \text{ AFA}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 7.0 \text{ AFA}$$

2. Volume Calculations for Other Uses: N/A

$$V = 0.6 \text{ AFA}$$

Domestic (1 home in-house only) RC
3/24/14

G. NARRATIVE/REMARKS/COMMENTS**WATER SUPPLY SYSTEM:**

A 2-hp submersible pump diverts ground water for domestic use for 1 home and irrigation of approximately 2.0 acres of lawn and landscaping.

The original well, which was drilled in 1991 by the original property owner, was to be the water source for domestic use for 1 home and irrigation of the property. In the late 1990's, the property, which is comprised of Lots 19 and 20, Block 2, of the Middle Fork Meadows Subdivision, was sold. In 1998, the new owner's (Larry & Lynn Turner), filed an application for a water right for domestic use and irrigation. Based on the application, it appears that the applicants planned on using the existing well. But due to the wells inability to produce an adequate water supply to meet the right holder's needs, the owner's had a new ground water well drilled in 2000. Diversion of water from the original well was stopped by the applicants when the new well was placed into service.

Note:

Due to the existence of an existing well, Condition No.2 was added to the permit which states that this water right does not authorize the construction of a new point of diversion. As stated previously, the right holder did drill a new well due to complications with the existing well. Upon checking with the State Office, there is no record of the original well being abandoned by a licensed well driller. Therefore, a new condition shall be added during licensing that requires the original well shall be properly abandoned by a licensed well driller.

The property has since been sold. An ownership change has been submitted to the Department by the current property owners. The ownership change shall be processed with the water right permit.

IRRIGATION SYSTEM:

Six (6) frost-free hydrants are located throughout the property. Hoses are attached to the frost-free hydrants for sprinkler irrigation.

OVERLAP ANALYSIS:

Point of Diversion: There are no point of diversion overlaps for Water Right Permit No. 65-13773.

Place of Use: There are no place of use overlaps for Water Right Permit No. 65-13773.

Have conditions of permit approval been met? ____ Yes ____X____ No

CONDITION NO.2 – This right does not authorize the construction of a new point of diversion. Due to the existing/original wells inability to produce an adequate water supply, and complications with pumping sand, the former right holder drilled a new well and stopped using the existing well. According to the Departments records, the existing/original well was not officially abandoned by a licensed well driller. Prior to licensure, the new right holder shall hire a licensed well driller to abandon the existing/original well.

RATE &/OR STORAGE RECOMMENDED FOR LICENSING

Description	Rate of Flow (cfs)		Storage (af)
Permit Amount	0.16	&/or	N/A
Beneficial Use Limit	0.10	&/or	N/A
System Measurement	0.05(theoretical)	&/or	N/A
Proof Fee Amount	0.20	&/or	N/A
Recommended Amount	0.05	&/or	N/A

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	0.020 CFS	N/A
IRRIGATION	03/15 to 10/31	~~0.030~~ CFS 0.050 RC 3/24/14	7.0 AFA
<u>Totals:</u>		0.050 CFS	7.0 AFA

2. Recommended Amendments

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

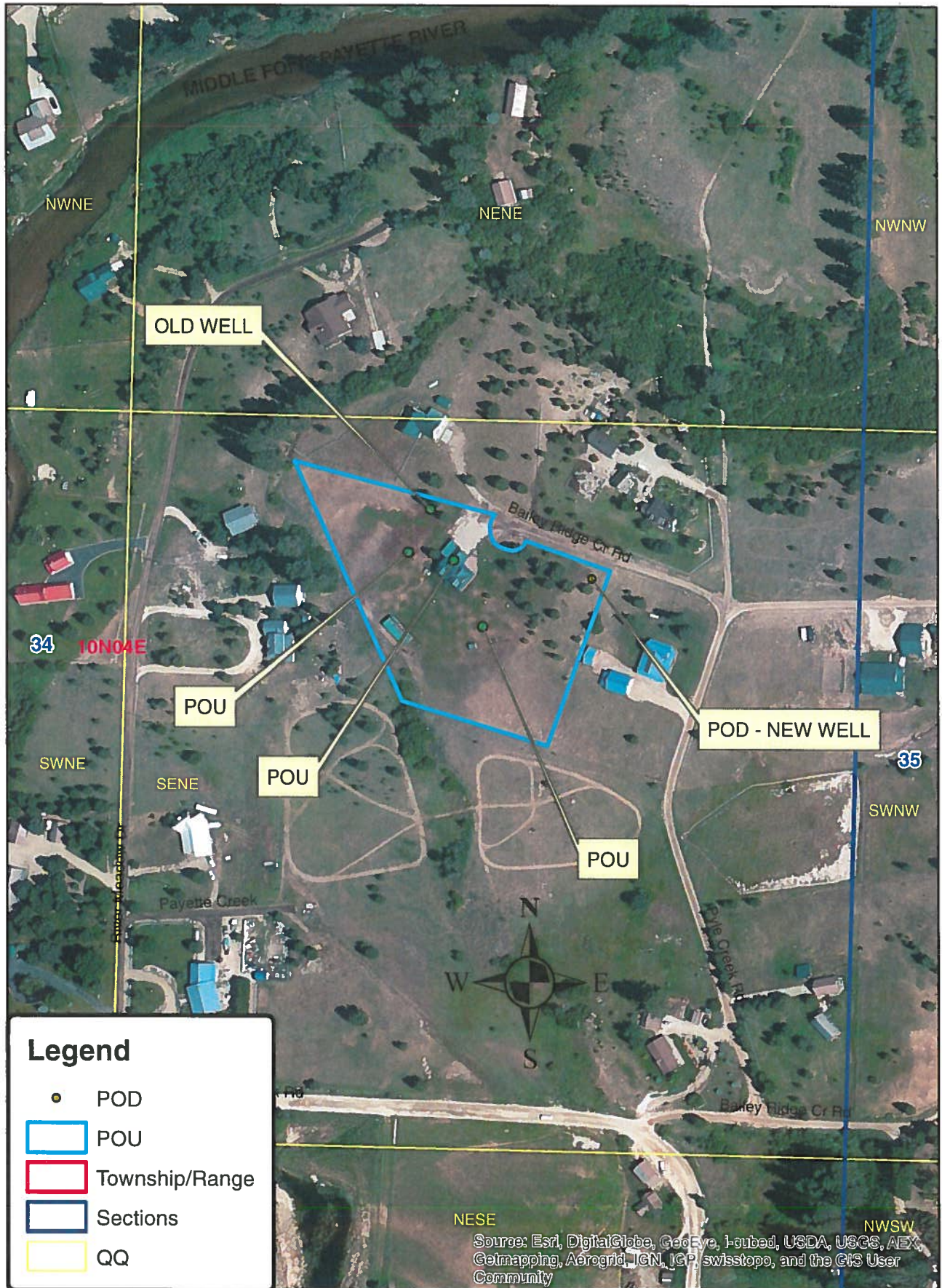
___ Change P.U. as reflected above ___ Add P.U. as reflected above ___ Other

I. AUTHENTICATION

Field Examiner's Name Rick Collingwood Date 3/5/14
 Reviewer _____ Date _____

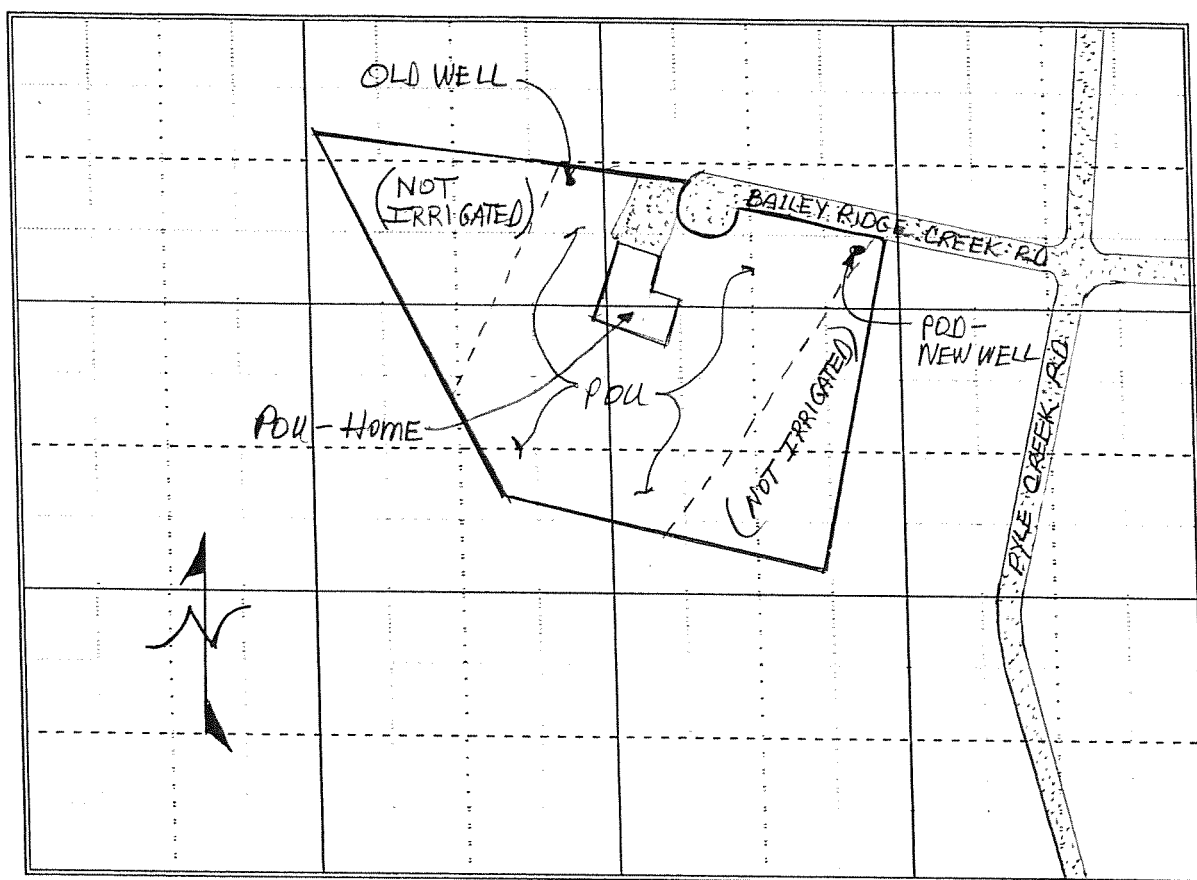
65-13773

ESRI AERIAL PHOTO - 2012



0 75 150 300 450 600
Feet

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe diameter (inside), as applicable. Use the space provided or ☐ see attached.



Scale: 1" = NTS

- ☐ Copy of USGS Quadrangle attached showing location(s) of point(s) of diversion and place(s) of use (required)
☒ Aerial photo attached (required for irrigation of 10+ acres)
☒ Photo of diversion and system attached

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

765464

Office Use Only
Inspected by _____
Twp _____ Rge _____ Sec _____
1/4 _____ 1/4 _____ 1/4 _____
Lat: _____ Long: _____

1. WELL TAG NO. D 0015303

DRILLING PERMIT NO. _____

Other IDWR No. _____

2. OWNER:

Name Larry & Lynn Turner

Address 7 Bailey Circle

City Garden Valley State ID Zip 83622

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

N
W E S
Twp. 10 N North ☐ or South ☐
Rge. 4 E East ☐ or West ☐
Sec. 34 SE 1/4 NE 1/4 1/4
Gov't Lot _____ County Boise
Lat: _____ Long: _____
Address of Well Site 7 Bailey Circle
City Garden Valley
(Give at least name of road + distance to road or landmark)

Lt. _____ Blk. _____ Sub. Name _____

4. USE:

☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)

☒ New Well ☐ Modify ☐ Abandonment ☒ Other _____

6. DRILL METHOD

☐ Air Rotary ☐ Cable ☒ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK	AMOUNT	METHOD
Material From To Sacks or Pounds		
Bentonite 0 80 21		Gravity

Was drive shoe used? ☐ Y ☐ N Shoe Depth(s) NA

Was drive shoe seal tested? ☐ Y ☐ N How? NA

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6	0	180	250	steel	☐	☐	☒	☐

Length of Headpipe 180 Length of Tailpipe 10

9. PERFORATIONS/SCREENS

Perforations Method
Screens Screen Type S/S 030

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
180	190	030			S/S	☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

35 ft. below ground Artesian pressure NA lb.

Depth flow encountered 70 ft. Describe access port or

control devices: NA

11. WELL TESTS:

☐ Pump ☐ Bailor ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
40	170	170	2 Hr.

Water Temp. 58 Bottom hole temp. 58

Water Quality test or comments: good

Depth first Water Encounter 70

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
10	0	12	Boulder		X
10	12	65	Sand		X
10	65	70	Sand & Gravel	X	
10	70	90	Clay		X
10	90	130	Sand	X	
10	130	145	Clay		X
10	145	190	Sand & Gravel	X	
10	190	200	Clay		X

RECEIVED

AUG - 4 2000

Department of Water Resources

RECEIVED

JUL 26 2000

WATER RESOURCES
WESTERN REGION

Completed Depth 200 (Measurable)
Date: Started 7-11-2000 Completed 7-12-2000

13. DRILLER'S CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Rauch Drilling Firm No. 570

Firm Official *[Signature]* Date 7-20-2000

and

Driller or Operator _____ Date _____

(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

ALLPOINT PE
RECEIVED
RESOURCES
JAN 10 1992

[illegible]

Turner paid
\$165 w/o
fee upgrade
6/5/07
W035468
-FL 8/13/07

RECEIVED
JAN 13 1992

Department of Western Affairs
Western Region

\$35 paid
9/25/91
Receipt
#C021847
-52 3/12/07

USE ADDITIONAL SHEETS IF NECESSARY - FORWARD THE WHITE COPY TO THE DEPARTMENT

being connected to JUNE

FIELD EXAM PHOTOS

Water Right Permit: 65-13773
PLS: SE1/4, NE1/4 Section 34, T.10N, R.04E
Field Examiner: RC

Field Exam Date: 10-28-13



Point of Diversion: View easterly of the ground water well located in the northeast corner of the right holder's property.



Place of Use: View southwesterly of the home served by the ground water well for domestic internal use.



Place of Use: View southerly of a portion of the lawn area irrigated by the ground water well. The irrigation system is comprised of hoses connected to six (6) frost free hydrants to sprinkler irrigate the lawn and landscape areas.



Place of Use: View southerly of the lawn and landscaping at the easterly portion of the right holder's property.



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region, 2735 Airport Way • Boise, Idaho 83705-5082

Phone: (208) 334-2190 • Fax: (208) 334-2348 • Web Site: www.idwr.idaho.gov

C. L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

October 11, 2013

Trutanich, Limited
112 Fisherman's Wharf
Redondo Beach, CA 90277

Re: Water Right Permit No. 65-13773

I am writing to inform you of an existing water right permit which exists on your property at Lots 19 & 20, Block 2, of the Middle Fork Meadows Subdivision in Garden Valley, Idaho. A water right permit is not a water right, but a permit issued by the Department to allow the beneficial use of water as requested by the applicant. The beneficial use for the water right permit is to divert ground water for irrigation of 4.0 acres and domestic use for 1 home.

The water right permit was issued to the previous owners, Larry and Lynn Turner, in 2007. However, in reviewing the tax lot ownership for Lots 19 & 20, Block 2, of the Middle Fork Meadows Subdivision, I discovered that you are now the current property owner.

In order to proceed with obtaining a water right for the irrigation and domestic use on your property, there are two options available which transfers the water right ownership to you. The first option would be to have the Turner's assign the permit to you. If you have contact information for the Turner's, we can submit an 'Assignment of Permit' form to them for execution. The process fee for an 'Assignment of Permit' is \$25.00. If contact information is not attainable for the Turner's, the next option would be to proceed with obtaining the water right under the Turner's name. Upon issuance of the water right, you will then need to execute a 'Change of Ownership'. This will officially transfer the water right ownership to you. The process fee for the 'Change of Ownership' is \$25.00.

The next step which needs to take place to proceed with the issuance of the water right is to conduct a field examination. The field examination is required to verify that the permit information is accurate, and if possible to obtain a water flow measurement. If the ground water is no longer being put to beneficial use for irrigation and domestic use, please let me know and we will proceed with relinquishment or voidance of the water right permit. However, if you are diverting ground water for irrigation and domestic use, you are required to obtain a water right from our Department.

Since you may not be aware of the water right permit and the terminology enclosed above, I have enclosed a copy of a proof report and an aerial photo for clarification.

If you have any questions, you can contact me at the Idaho Department of Water Resources Western Region Office at (208) 334-2190, or by e-mail at rick.collingwood@idwr.idaho.gov.

Sincerely,

A handwritten signature in black ink that reads "Rick Collingwood". The signature is written in a cursive style with a large, looping "C" for the last name.

Rick Collingwood, P.E.
Water Resources Agent, Sr.