

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 47-8184

Exam Date: 5/23/2013

1. Current Owner: WILLIAM F MAY
2750 SKYLINE DR
TWIN FALLS ID 83301
(208)734-7883

And

SHAUNA A MAY
2750 SKYLINE DR
TWIN FALLS ID 83301
(208)734-7883

2. Accompanied by: Shauna May
Phone No: same as above
Address: same as above
Relationship to Permit Holder: Permit holder

3. SOURCETRIBUTARY

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 NE1/4NW1/4SE1/4 Sec. 2, Twp 10S, Rge 17E, B.M.
TWIN FALLS County

Method of Determination: ArcMap aerial photo

2. PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
10S	17E	2													.3	1.7			2.0

Total Acres: 2

PLACE OF USE: DOMESTIC

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
10S	17E	2													X	X			

Method of Determination: ArcMap aerial photo

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>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge</u>
<u>ID No.*</u>					<u>Size</u>
D0051031		3			

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

D. FLOW MEASUREMENTS

1.

<u>Measurement</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
<u>Equipment</u>						

2. Measurements: No measurement made. System is underground.

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

Measured Method:

$$\text{Theoretical } Q = 8.8 \times 0.7 \times 3 / 23 + (2.31 \times 50) + 23 = 0.13 \text{ cfs}$$

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 2 \text{ acres} \times 4 \text{ AF/acre} = 8.0 \text{ AF}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.06 \times 245 \times 1.9835 = 29.2 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 8.0 \text{ AF}$$

2. Volume Calculations for Other Uses: Domestic portion = 0.6 AF

$$\text{Total volume} = 8.6 \text{ AF}$$

G. NARRATIVE/REMARKS/COMMENTS

The field exam for permit 47-8184 was completed on May 23, 2013, with Shauna May present. A large home, horse pasture, and well-tended landscaping are all evident. Two horses were in the pasture on the day of the exam.

The irrigation system for the lawn and landscaping is underground. The pasture and lawn have a sprinkling system and the landscaping is irrigated by driplines. Under the Departments Beneficial Use Field Examination rules, an irrigation rate of 0.03 cfs per acre is allowed on acreages less than 5 acres. Recommend irrigation portion to be licensed for 0.03 cfs per acre for 2 acres for a rate of 0.06 cfs. Irrigation volume of 4 AF per acre for 2 acres will be 8 AF and domestic volume of 0.6 AF. Recommend domestic rate of 0.04 cfs for a combined rate of 0.10 cfs.

No outside sources of water are available to the property.

An ownership change for this permit has been on file for 2 years and was accomplished in the licensing process. The previous owner moved out of the United States before an Assignment of Permit was completed.

An amendment of permit will be sent out to include the NE1/4, SE1/4 of Section 2, T10S, R17E in the POU.

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	0.060 CFS	8.00 AF
DOMESTIC	01/01 to 12/31	0.040 CFS	0.60 AF
<u>Totals:</u>		0.100 CFS	8.60 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

Date 5-23-2013

Reviewer

Date

6/24/2013



Horse Grazing in Pasture

The May Home





Landscaping Around May Home





Drip Irrigation System for Landscaping

Wellhead and Outdoor Faucet



1992 Aerial Photography Depicting Irrigation

2
NWSE
10S17E

NESE

