

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 47-17099

Exam Date: 7/20/2012

1. Current Owner: JOHN D MC GONIGAL

And

ROSEMARY MC GONIGAL
PO BOX 102
JEROME ID 83338
(208)324-4828

2. Accompanied by: John Mc Gonigal and Nathan Erickson

Phone No: 208-731-8830

Address: same as above

Relationship to Permit Holder: self

3. **SOURCE**

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 47-13714 is a domestic right with a nominal shape, could not locate corresponding taxlot to update shape.
2. Other water rights with the same point of diversion: None

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

GROUND WATER

NW1/4NE1/4

Sec. 26, Twp 10S, Rge 16E, B.M.

TWIN FALLS County

Method of Determination: A GPS point was taken at time of exam.

2.

PLACE OF USE: DOMESTIC

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>	
10S	16E	26		X															

Method of Determination: 2011 aerial photography.

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>
D0016708		5			2 inch

*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>
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2. Measurements: Insufficient space for measurement.

E. FLOW CALCULATIONS

_____Additional Computation Sheets Attached

Measured Method:

Theoretical yield:

$$Q = \frac{8.8 \times (Hp) \times (Eff)}{H}$$

Where: Hp = 5 Hp

Eff = 70% (assumed)

H = depth to water 117 ft. + 2.31 x operating pressure 50 PSI

H = 117.0 feet + (2.31 x 50 psi) = 232.5

$$Q = \frac{8.8 \times (5.0) \times (0.70)}{232.5}$$

Q= 0.013 cfs

Rate exceeds permitted amount of 0.1 cfs, therefore **recommend permitted rate of 0.1 cfs.****F. VOLUME CALCULATIONS**

1. Volume Calculations for Irrigation: N/A

2. Volume Calculations for Other Uses:

Domestic UseInternal Use:

4 homes at 0.6 af = 2.4 af

External Use:

4 homes at (0.5 ac) (4 af) = 8

Total annual volume = 2.4 af + 8 = 10.4 af

G. NARRATIVE/REMARKS/COMMENTS

Application for permit 36-17099 was filed on August 6, 2003 for the diversion of 0.10 cfs of groundwater for domestic use associated with four homes. Permit 36-17099 was issued on October 24, 2003 and Proof of Beneficial Use was filed on August 7, 2003.

Eaton Drilling indicated the system consists of one well and a 5 HP submersible pump with depth to water at 117 ft. A theoretical estimate of the well yield indicates that it can produce at least the permitted rate of 0.10 cfs, so it is recommended that license 36-8733 be issued a flow rate of 0.10 cfs for domestic use. A volume was calculated using the IDWR standard of 0.6 af for internal use per home and the standard 4 af/ acre for external use for this area. Recommended annual volume of 10.4 af for domestic use.

Note, during the field exam it was discovered that the permit owner is the original developer of Magic View Subdivision. After licensing the current owners of the four homes will be contacted to file for an ownership change.

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	0.100 CFS	10.4 AF
<u>Totals:</u>		0.100 CFS	10.4AF

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 Sara Beedor Date 8/14/12

Reviewer [Signature] Date 8/17/12

7/20/12

John McGonigal
731-8830

Canal Shares went with property.

Magic View Subdivision

1 well
4 homes

5 HP
117' static water

~~117' static water~~

$$\frac{8.8 \times .7 \times 5}{117 + (50 \times 2.31)} = \frac{30.8}{232.5}$$

① Jeff Couch

2570 E 3685 N.

Magic View Lot 6

RP057010010060

0.13 cfs

or

59.5 gpm

② Wolverton Homes

Lot 11

RP057010010110

③ William F. Wight III

Lot 5

RP057010010050

3684 N. 2570 E

④ John B. Hill

3686 N. 2570 E

Lot 4

RP057010010040

State of Idaho
Department of Water Resources
Attachment To Water Right License
47-17099

This map depicts the DOMESTIC 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.

R16E

T10S



0 0.025 0.05 0.1 Miles

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





Pump house for four homes

D0016708

