

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-10027

Exam Date: In Office Review
4/20/2012**5-17-12**

1. Current Owner: PETER FUCONE
And
LINDA FUCONE
PO BOX 463
ATHOL ID 83801
(208) 561-1211
2. Accompanied by: N/A
Phone No: 208-561-1211
Address: Above
Relationship to Permit Holder: N/A

3. SOURCETRIBUTARY

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: Claim 95-15551

NIA claim 95-15551 claims the same use developed under this permit, but with a more Jr. priority date. If this permit is licensed, then 95-15551 should either be withdrawn, disallowed due to no additional beneficial use, or amended to reflect the elements of 95-10027.

2. Other water rights with the same point of diversion: Permit 95-16432, NIA Claim 95-15551

Permit 95-16432 is the other portion of the split when 96-9311 and is applicable to Lot 1, Bright Sky Subdivision. To date, Lot 1 is stubbed in for domestic use, but no domestic home has been built yet.

C. DIVERSION AND DELIVERY SYSTEM**Well to 2 storage tanks on lot 1 and lot 2. Pump set at 400'**1. LOCATION OF POINT(S) OF DIVERSION:

GROUND WATER NE1/4SW1/4

Sec. 33, Twp 54N, Rge 03W, B.M.

BONNER County

Method of Determination:

Contact with permit holder by e-mail confirmed that well is located on Lot 1. See e-mail in file.

2.

PLACE OF USE: DOMESTIC

Twp Rge Sec	NE				NW				SW				SE				Totals
54N 03W 33	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	X

PLACE OF USE: IRRIGATION

Twp Rge Sec	NE				NW				SW				SE				Totals
54N 03W 33	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	.5

Total Acres: 0.5

Method of Determination:

3. N/A Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
- x Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
- x Aerial Photo Attached (required for irrigation of 10+ acres).
- Photo of Diversion and System Attached

4.

Well or Diversion

<u>Tag 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>
D0046369					

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

D. FLOW MEASUREMENTS

1.

Measurement

<u>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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In-house review. The permit states that at the time the permit was filed, each lot contained a 2000 gal storage tank. E-mail correspondence with the permit holders confirms existence of a storage tank on both Lot 1 and Lot 2 of Bright Sky Subdivision.

2. Measurements:

In-house review. Permit states that the well supplies 15 gallons per minute. I assume this is from the well log that says it produces 15 gallons per minute. The accuracy of the well log is questionable so I recommend giving the benefit of the doubt and recommending 0.04 cfs.

E. FLOW CALCULATIONS

 Additional Computation Sheets Attached

Measured Method:

N/A In-house review.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 0.5 \text{ ac} \times 3 \text{ af/Acre} = 1.5 \text{ AF}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.02 \text{ cfs} \times 365 \times 1.9835 = 14.5$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 1.5 \text{ AF}$$

2. Volume Calculations for Other Uses: **Domestic internal use = 0.6 af****G. NARRATIVE/REMARKS/COMMENTS**

This right is the result of splitting permit 96-9311 into 95-10027 and 95-16432.

96-9311	Domestic	0.04 cfs	1 acre	Split To:	95-10027	Domestic	0.02 cfs	0.5 acre
	Irrigation	0.03 cfs				Irrigation	0.02 cfs	
	Total	0.07 cfs				Total	0.04 cfs	
					95-16432	Domestic	0.02 cfs	0.5 acre
						Irrigation	0.01 cfs	
						Total	0.03 cfs	

Permit 96-9311 was not split equally. The parent permit authorized 0.03 cfs for irrigation purposes. Because Administrators Application Processing Memo #6 limits precision of diversion rate to no more than the hundredths, 0.02 cfs of irrigation rate was allocated to 95-10027 and 0.01 cfs of irrigation diversion rate was allocated to 95-16432. All permit holder have been notified of the split and their respective portions and there has been no complaint.

That said, this split does seem to makes sense. Permit 95-10027 is applicable to Lot 2, Bright Sky Subdivision, in which development has occurred. Meaning there is a house built on Lot 2 and aerial photography indicates that they have irrigated the ground around the house. Domestic and irrigation use are identified separately on the permit and it was developed with irrigation and domestic use.

Split portion 95-16432 is applicable to Lot 1, Bright Sky Subdivision, and the lot stubbed in, but no home has been built and water has yet to have been put to use for domestic purposes. However, the domestic use should be recognized through the stub-in practice, but a separate irrigation component cannot be recognized since the water has not been put to beneficial use yet. Permit 95-16432 can be licensed for domestic use that include external irrigation component, rather than keeping the domestic and irrigation use separate as permitted.

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	0.020 CFS	0.60 AF
IRRIGATION	04/01 to 10/31	0.020 CFS	1.50 AF
<u>Totals:</u>		0.040 CFS	2.10 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 Gregory L. Santer Date 5-17-12

Reviewer _____ Date _____

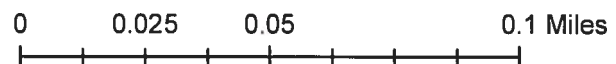
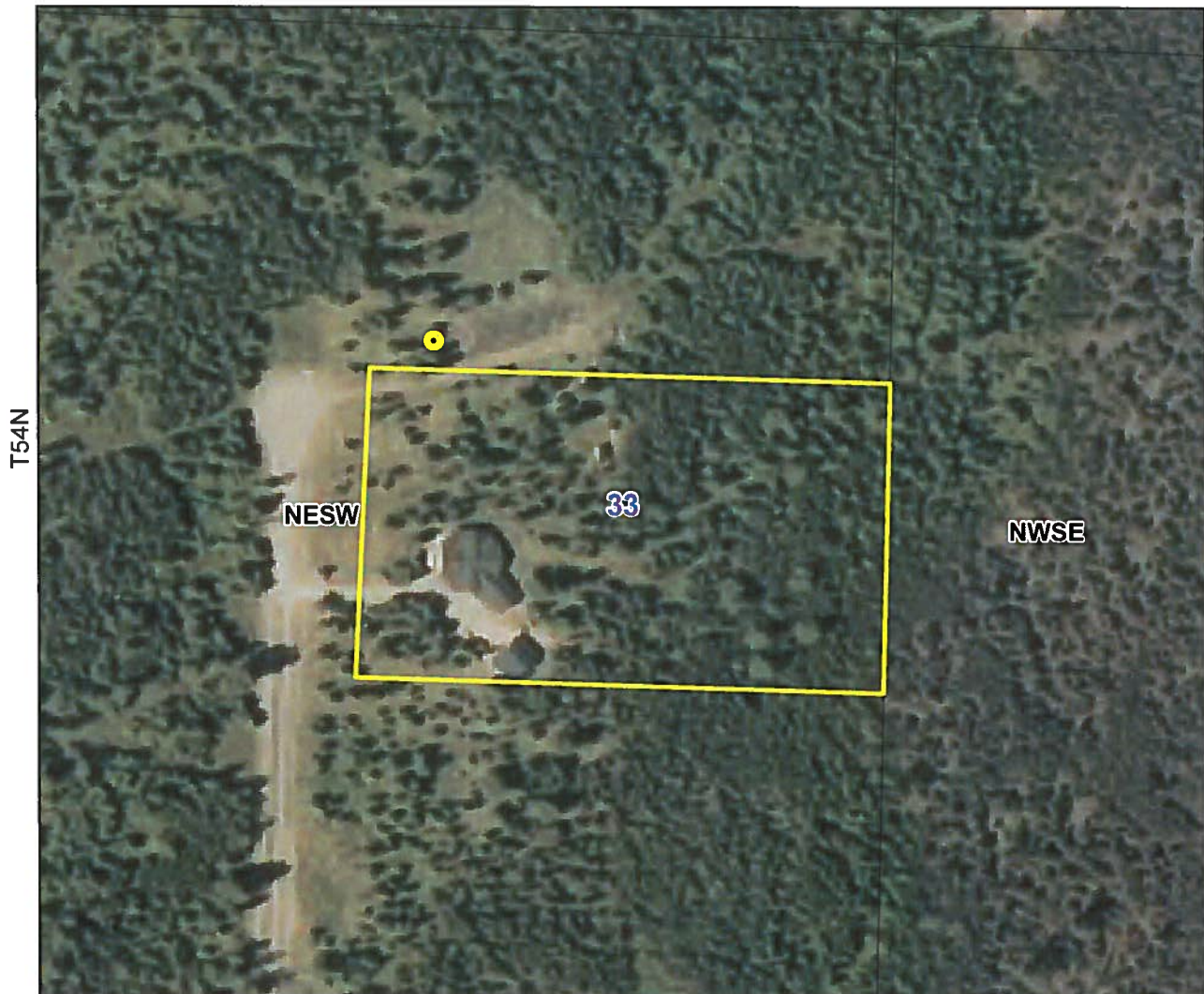
State of Idaho
Department of Water Resources

Reference Map

95-10027

This map depicts the DOMESTIC place of use and point of diversion location as determined by the examiner.

R03W



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



State of Idaho
Department of Water Resources

Reference Map

95-10027

This map depicts the IRRIGATION place of use and point of diversion location as determined by the examiner.

R03W



0 0.0325 0.065 0.13 Miles

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

