

Permit No: 91-7147

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STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 91-7147

Exam Date: 6/5/2007

1. Current Owner: CHURCH OF THE NAZARENE
PO BOX 332
ST MARIES ID 83861-0332
(208)245-4594
2. Accompanied by: DON MULLER
Phone No: (208)245-4594
Address: SAME AS ABOVE
Relationship to Permit Holder: EMPLOYEE

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

L1 NE1/4NE1/4

Sec. 17, Twp 46N, Rge 02W, B.M.

BENEWAH County

Method of Determination: GPS

2.

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
46N	02W	17	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	2.0
			L 1																

Total Acres: 2

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Method of Determination:

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>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

*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>
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

2. Measurements:

Installed meter
30 gpm

E. FLOW CALCULATIONS

Measured Method:

☐ Additional Computation Sheets Attached

30 gpm = 0.0668 cfs
0.07 cfs

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F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 2 \times 3 = 6.0 \text{ AF}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = .07 \times 231 \times 1.9835 = 32.07 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 6.0 \text{ AF}$$

2. Volume Calculations for Other Uses:

G. NARRATIVE/REMARKS/COMMENTS

THIS SYSTEM PULLS WATER OUT OF A WELL FOR 2 ACRES OF LAWN AND SHRUB IRRIGATION. THE CHURCH DROPPED THE DOMESTIC PART OF THIS PERMIT DUE TO WATER QUALITY ISSUES. THE SYSTEM PULLS 30 GALLONS PER MINUTE PER METER READING. THEY DID IRRIGATE 4 ACRES BUT DUE TO AN EXPANSION OF THE CHURCH BUILDING IT DROPPED THE IRRIGATION AREA DOWN TO 2 ACRES.

Have conditions of permit approval been met? ☒ Yes ☐ No

H. RECOMMENDATIONS

1. Recommended Amounts

BENEFICIAL USE	PERIOD OF USE	DIVERSION RATE	ANNUAL VOLUME
IRRIGATION	03/15 to 10/31	0.070 CFS	
<u>Totals:</u>		0.070 CFS	6.00 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 Chad H. Goodrich Date 6-14-07

Reviewer [Signature] Date 6/18/07

Max diversion rate 0.03 cfs per acre $\times 2 =$
0.06 cfs

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0.04 0 0.04 0.08 Miles

-  GCDB46N02W GCDB
-  Right POD
-  Pou.shp
-  Administrative BasinsAdminbas.shp





PLACE OF USE 1



PLACE OF USE 2



POINT OF DIVERSION

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