

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 36-8805

Exam Date: 9/18/2012

1. Current Owner: GERALDA BOTHOF
400 S 111 W
JEROME ID 83338
(208)324-7646

Or

ROGER W BOTHOF
400 S 111 W
JEROME ID 83338
(208)324-7646

2. Accompanied by: Geralda Bothof, and Corey Skinner (IDWR Agent)

Phone No: Same as above

Address: Same as above

Relationship to Permit Holder:

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

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 36-13959
2. Other water rights with the same point of diversion: 36-13959

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

GROUND WATER

NE1/4NE1/4

Sec. 11, Twp 09S, Rge 16E, B.M.

JEROME County

Method of Determination: Field visit and ESRI aerial photography

2.

PLACE OF USE:

IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
09S	16E	11	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
			.8																.8

Total Acres: 0.8

Method of Determination: Field visit and ESRI 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</u> <u>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</u> <u>Size</u>
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Existing Domestic well

D. FLOW MEASUREMENTS

A measurement is not required for irrigation use of up to 5 acres and if the diversion rate does not exceed 0.24 cfs according to new Beneficial Use Examination Rules.

E. FLOW CALCULATIONS☐ Additional Computation Sheets Attached

Measured Method: None

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 0.8 \text{ acres} \times 4.0 \text{ afa} = 3.2 \text{ af}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.03 \text{ cfs} \times 246 \text{ days} \times 1.9835 = 14.6 \text{ af}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 3.2 \text{ af}$$

G. NARRATIVE/REMARKS/COMMENTS

Application for permit 36-8805 was filed on October 31, 2000 by Roger or Geralda Bothof for the diversion of 0.03 cfs of groundwater for irrigation use. Permit 36-8805 was issued on February 15, 2001 and Proof of Beneficial Use was due on or before July 1, 2001. Proof of Beneficial Use was filed on May 30, 2001 by Roger and Geralda Bothof. The application was for pre-1987 development of irrigation beyond that of a domestic use covered under 36-13959. The pre-1987 use was documented by review of NAPP 1987 photo. During the field examination the point of diversion was found to be located in the NE NE NE of Section 11, Twp 09S, Rge 16E not in the NW NE NE of Section 11, Twp 09S, Rge 16E. It is recommended that the 10-acre tract description be dropped at licensing. The well serves the home and the area surrounding the home. This license will be limited to 0.8 acres of irrigation (the permitted amount). The decreed domestic water right 36-13959 will allow for the irrigation of an additional 0.5 acres. Rights 36-8805 and 36-13959 when combined will be limited to the irrigation of 1.3 acres total. Permit 36-8805 was approved with a flow rate of 0.03 cfs. A physical measurement is not required for irrigation use of less than 5 acres and if the diversion rate does not exceed 0.24 cfs according to the new Beneficial Use Examination Rules. When rights 36-8805 and 36-13959 are combined they will be limited to 0.04 cfs.

Recommend permitted rate of 0.03 cfs and a volume of 3.2 af for the irrigation of 0.8 acres for right 36-8805.

Note that decreed water right 36-13959 is also diverted from the same well and has been decreed with the incorrect legal description. Both rights 36-8805 and 36-13959 will be linked to the correct spatial point and a comment noting the incorrect description will be added on right 36-13959

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	0.030 CFS	3.20 AF
<u>Totals:</u>		0.030 CFS	3.20 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 Benny Walker Date 8/16/13
Reviewer Chris Martin Date 8/19/13

SESE

2

Point of Diversion

Place of Use

09S16E

NENE

11

Photos for 36-8805 Field Exam



**Front yard of Residence looking South
with Point of Diversion**

Front yard of Residence looking West



Photos for 36-8805 Field Exam



Front yard of Residence looking East

Backyard of Residence looking East

