



Idaho Department of Water Resources

**REQUEST FOR VARIANCE:
IDWR APPROVED FLOW METER INSTALLATION REQUIREMENT**

A variance will only be considered or approved for simple systems, open discharge wells, or non-approved flow meters installed prior to the date of an IDWR measurement order. This request must be approved before you may use any alternate measurement method. *Complete one form for each affected well.*

SECTION I: SITE DETAILS

1. Owner/Operator			2. Well Name		
3. IDWR Site Tag No.	4. Legal Description	4a. Township	4b. Range	4c. Section	5. Water District
6. Reporting District (ground water district, irrigation district, or other entity)					

SECTION II: MEASUREMENT METHOD

Select the method of measurement you wish to use and have approved. Choose one:

<input type="checkbox"/>	7. Power Consumption Coefficient (PCC): Only for irrigation diversions that consist of one well and one irrigation discharge point or one distinct flow and demand condition.
<input type="checkbox"/>	8. Hour Meter/Time Clock: One well, constant open discharge, no flow control valves.
<input type="checkbox"/>	9. Existing Operating Flow Meter: Installed prior to the date of the effective order and determined as acceptable by IDWR.
<input type="checkbox"/>	10. Standard Open Channel Device: One or multiple wells, open discharge, device must be read daily or flows must be continuously recorded.

SECTION III: WELL DETAILS

11. Does the well open discharge into a pond or ditch?	<input type="checkbox"/> Yes [†] (continue to 13) <input type="checkbox"/> No
12. Is the well interconnected to other wells?	<input type="checkbox"/> Yes <input type="checkbox"/> No
13. What is the pump discharge main line diameter?	_____ inches

SECTION IV: SYSTEM DESCRIPTION

14. Describe the irrigation equipment used with this well (such as center pivot with or without end gun, ¼ mile wheel lines, solid set hand lines, etc.), including the number and length of hand/wheel lines. Describe system as accurately or completely as possible, including different operating conditions if any.	
15. Does your pivot(s) system operate with corner machines?	<input type="checkbox"/> Yes <input type="checkbox"/> No
16. Does your pivot(s) operate with an end gun?	<input type="checkbox"/> Yes <input type="checkbox"/> No (continue to 18)
17. Estimate of the percent of time the end gun operates:	_____ % of time
18. Approximate number of acres irrigated by this well:	_____ acres

SECTION V: MEASUREMENT SYSTEM DETAILS

19. Is there a flow meter presently installed on this well?		<input type="checkbox"/> Yes <i>(complete 19a – 19d)</i> <input type="checkbox"/> No <i>(continue to 20)</i>
19a. Meter Type	19b. Meter Manufacturer	
19c. Meter Installation Date	19d. Is the meter operable?	<input type="checkbox"/> Yes <input type="checkbox"/> No
20. Are there multiple pumps or other electrical loads wired to the same electrical demand meter, such as surface water pumps, booster pumps, or pivots?		<input type="checkbox"/> Yes* <i>(complete 20a – 20c)</i> <input type="checkbox"/> No <i>(continue to 21)</i>
20a. Describe other electrical loads referred to in question 19		
20b. Number of in-line pressure boosters:		_____ boosters
20c. Do in-line pressure boosters <i>always</i> run with the well?		<input type="checkbox"/> Yes* <input type="checkbox"/> No
21. Does the system operate with a variable frequency drive?		<input type="checkbox"/> Yes* <i>(complete 21a)</i> <input type="checkbox"/> No <i>(continue to 22)</i>
21a. Frequency drive location:		<input type="checkbox"/> on booster motor <input type="checkbox"/> on well motor <input type="checkbox"/> on both
22. Does the well supply water for use other than irrigation, such as commercial or stockwater?		<input type="checkbox"/> Yes* <i>(complete 22a)</i> <input type="checkbox"/> No <i>(continue to 23)</i>
22a. Describe other uses referenced in question 22:		
23. Does the well production decrease over the irrigation season?		<input type="checkbox"/> Yes* <input type="checkbox"/> No
24. Does pumping water level decrease over the irrigation season?		<input type="checkbox"/> Yes* <i>(complete 24a)</i> <input type="checkbox"/> No [†]
24a. Approximately how many feet does the water level decrease?		_____ feet

SECTION VI: SYSTEM DIAGRAMS AND MAPS (Required for all variance requests)

Attach a diagram or photos of the wellhead and pumping plant. Include or show locations of all proposed or existing flow meters. Indicate the location of and spacing between boosters, valves, elbows, chemigation ports, etc.

SECTION VII: APPLICANT SIGNATURE AND CONTACT INFORMATION

Signature	Print Name	Title (if applicable)
Mailing Address		
Email Address	Phone Number	Date

Return this completed and signed form to: IDWR Water Distribution Section
 PO Box 83720
 Boise, ID 83720-0098

* 'Yes' on questions 20 – 24 indicates a system that is an unlikely candidate for Power Consumption Coefficient (PCC) method of measurement. A flow meter must be installed.

† 'Yes' on question 11 and 'No' on question 24 indicates a system that may be a candidate for an hour meter measurement method.