

Water Well Permit to Construct a Well Utilizing a Pumping Test



Lower Big Blue Natural Resources District



805 Dorsey St. P.O. Box 826 Beatrice, NE 68310

402-228-3402 www.lbbnrd.net

This form must be completed in full and be accompanied by a non-refundable \$50.00 filing fee (payable to the Lower Big Blue Natural Resources District). Please refer to number nine below if this form is being submitted as a late permit.

Please take the time and review the rules of the permit below. Ensure all information is filled out correctly. An incomplete or defective application will be returned by the District, with 60 days being allowed for resubmission. All permits are subject to Board approval within 30 days of a complete application being filed with the District.

PERMIT RULES AND REGULATIONS

(Per Neb. Rev. Stat. 46 and LBBNRD Groundwater Rules & Regulations Rev. December 22, 2025)

1. Any person who intends to construct any new or replacement water well(s), on land which he or she owns or controls within the District shall, before commencing such activity, apply for a permit from the District on forms provided by the District and receive approval from the District (*LBBNRD Ch.5*).
2. Any person whose water well permit application submitted pursuant to Chapter 5: Section 4 of the *Lower Big Blue NRD Groundwater Quantity Rules and Regulations (LBBNRD)* does not meet the minimum ranking score for approval in the well permit ranking system methodology for the Groundwater Quantity Management Sub-Area in which the water well will be located pursuant to Chapter 5.15.3.1 (*LBBNRD*), may conduct a pumping test in order to support the water well permit application (*LBBNRD 5.17*).
3. The pumping test well shall be located at the site of the proposed water well location indicated on the permit application or within three hundred (300) feet of the proposed water well location (*LBBNRD 5.17.1*).
4. The pumping test well shall be properly constructed and cased to its intended use (*LBBNRD 5.17.2*).
5. The pumping test well shall be pumped for one (1) twenty-four (24) hour period between August 1st and September 30th for the pumping test (*LBBNRD 5.17.3*).
6. The pumping test well shall be pumped at one hundred (100) percent of its designed rate for the duration of the pumping test, but no less than five hundred (500) gallons per minute (*LBBNRD 5.17.4*).
7. The person applying for the water well permit to construct a well utilizing a pumping test shall notify the District of the time and location of the pumping test either in person, by U.S. postal mail, or by electronic communication at least two (2) full District working days prior to the pumping test (*LBBNRD 5.17.5*).
8. The District may with proper notice either have a staff member or a third-party representative on site during the pumping test when deemed necessary by the District in order to ensure accurate pumping test procedures (*LBBNRD 5.17.8*).
9. The person applying for the water well permit to construct a well utilizing a pumping test shall be responsible for all costs associated with the pumping test (*LBBNRD 5.17.9*).
10. The static water level, drawdown, and gallons per minute from the pumping test well shall be measured during the pumping test by the pump installer or well driller and reported to the District by the pump installer or well driller. The District may gather drawdown information from other water wells located within two thousand six hundred forty (2,640) feet of the pumping test well for a better understanding of the aquifer's characteristics and response to pumping (*LBBNRD 5.17.10*).
11. A water quality sample shall be collected at the end of the pumping test and submitted to an approved laboratory for analysis by the pump installer or well driller including: nitrates, sodium, chloride, pH, and total dissolved solids (*LBBNRD 5.17.11*).
12. The pumping test well shall maintain at least a five hundred (500) gallon per minute output or more throughout the twenty-four (24) hour test period to be approved by the District (*LBBNRD 5.17.12*).
13. The water well permit shall specify the maximum amount of water that the well may pump. If the pumping test was only conducted at five hundred (500) gallons per minute, the water well shall not be permitted to pump more than five hundred (500) gallons per minute. If the pumping test maintained a rate higher than five hundred (500) gallons

per minute at the water well's designed rate, the water well may be permitted to pump the full amount sustained by the pumping test (*LBBNRD 5.17.13.1*).

14. If the pumping test fails to meet the five hundred (500) gallon per minute requirement, the pumping test well shall be abandoned within one hundred eighty (180) days of the pumping test, or, at the option of the landowner, it may be registered as a domestic or range livestock well and equipped only for those purposes (*LBBNRD 5.17.15*).
15. This permit does not register the water well with the NDNR. Neb. Stat. 46-602 requires all water wells, even if the wells are commingled, to be registered with the NDNR within 60 days after the water well is completed.
16. The issuance by the District of this permit or registration of a water well by the director of the NDNR pursuant to Neb. Stat. 46-602 shall not vest in any person the right to violate any rule, regulation, or control in effect on the date of issuance of the permit or the registration of the water well or to violate any rule, regulation, or control properly adopted after such date.
17. If the water well is not constructed and equipped within a one-year period from the date of approval under the terms of the approved permit, the District will cancel the permit, and a new water well permit application is required (*LBBNRD 5.21*).
18. Flowmeters will be required prior to the withdrawal of groundwater on all new and replacement water wells designed and constructed to pump greater than 50 gallons per minute.

NRD/DNR USE ONLY	Revised 02/2026
Date Received: _____ Permit Number: _____ Reg. No. _____	
Date Approved: _____ Date Denied: _____	
This permit expires one (1) year from the approval date. NRD Representative: _____	

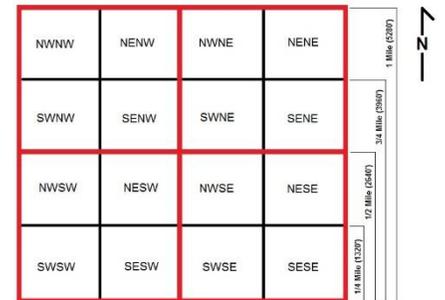
1. APPLICANT:

Name: _____
 Address: _____ Phone: _____

2. LOCATION OF THE PROPOSED WELL:

Subsection: _____, Section: _____, TWN/RNG: _____
 Feet from NORTH/SOUTH section line: _____
 Feet from EAST/WEST section line: _____
 County: _____

PLEASE MARK LOCATION AND WATER USE AREA ON THE MAP



3. WELL INFORMATION:

Intended use of well: New Irrigation Well Other (please specify): _____
 Acres to be irrigated: _____ (Irrigated acres must be certified with the LBBNRD)
 Date pumping test conducted: _____ Maximum pumping capacity: _____
 Water quality analysis attached? Yes No
 Type of irrigation: Gravity Pivot Sub-Drip Other (please specify): _____
 Will this well be used in a system with other wells? Yes No How many wells will be used in the system? _____

4. WELL AND PUMP INFORMATION:

Approximate date of construction: _____
 Estimated total well depth: _____ Estimated pumping capacity: _____
 Pump column diameter: _____ Casing diameter: _____
 Name of well driller: _____

5. I certify that I am familiar with the information contained on page 1 and 2 of this application and all rules and regulations pertaining to water wells in the State of Nebraska and the Lower Big Blue NRD Groundwater Quantity Rules and Regulations and that such information provided on this application is, to the best of my knowledge, true, complete, and accurate.

Signature of Applicant: _____ Date: _____