



OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

SCOTT A. THOMPSON  
Executive Director

MARY FALLIN  
Governor

February 02, 2015

Mr. Steve Hewitt, City Manager  
City of Clinton  
PO Box 1177  
Clinton, Oklahoma 73601

Received  
2-9-15

Re: Permit No. WW000020150007  
Dixon Well  
PWSID No. 1010828

Dear Mr. Hewitt:

Enclosed is Permit No. WW000020150007 for the construction of one (1) PWS water well (500 gpm, 60 ft), 40 linear ft of twenty (20) inch PVC contact segment and 949 linear feet of eight (8) inch PVC potable waterline, sodium hypochlorite injector, liquid ammonium sulfate feed system, and all appurtenances to serve the City of Clinton, Custer County, Oklahoma.

The project authorized by this permit should be constructed in accordance with the plans approved by this Department on February 02, 2015. Any deviations from the approved plans and specifications affecting capacity, flow or operation of units must be approved, in writing, by the Department before changes are made.

Receipt of this permit should be noted in the minutes of the next regular meeting of the City of Clinton, after which it should be made a matter of permanent record.

We are returning one (1) set of the approved plans to you, one (1) set to your engineer and retaining one (1) set for our files.

Respectfully,

Sara Senyondo, Ph.D.  
Construction Permit Section  
Water Quality Division

SS/RC/bg

Enclosure

c: Bill Kropf, Regional Manager, DEQ  
BURNS FLAT DEQ OFFICE  
Gene L Foster, PE, Burns & McDonnell Engineering Co., Inc





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**PERMIT No. WW000020150007**

**WATER WELL**

**PWSID No. 1010828**

**PERMIT TO CONSTRUCT**

February 02, 2015

Pursuant to O.S. 27A 2-6-401, the City of Clinton is hereby granted this Tier I Permit to construct one (1) PWS water well (500 gpm, 60 ft), 40 linear ft of twenty (20) inch PVC contact segment and 949 linear feet of eight (8) inch PVC potable waterline sodium hypochlorite injector, liquid ammonium sulfate feed system, and all appurtenances to serve the City of Clinton, located in NW/4, SW/4, NW/4, Section 30, T-12-N, R-6-W, Custer, Oklahoma, in accordance with the plans approved on February 02, 2015

By acceptance of this permit, the permittee agrees to operate and maintain the facility in accordance with the Public Water Supply Operation rules (OAC 252:631) and to comply with the State Certification laws, Title 59, Section 1101-1116 O.S. and the rules and regulations adopted thereunder regarding the requirements for certified operators.

**VARIANCES**

Variations have been granted from the following requirements of OAC 252:626

- i. OAC 252:626-7-4(C) (i) do not locate wells within 300 feet horizontally from any existing or potential source of pollution including water bodies
- ii. OAC 252:626-7-4(C) (iii) do not locate wells within one hundred feet (100') of a private property line
- iii. OAC 252:626-7-4(C) (iv) do not locate wells within fifty (50') feet of a publicly owned property line

The well will be located 45 feet from the nearest private property line, 30 feet from the nearest publicly owned property line/right of way and 45 feet from a permanent easement outside of which farming practices including application of herbicides and pesticides may occur.

**SPECIAL PROVISIONS**

- 1. Upon completion of the well, representative samples shall be collected and sent to a DEQ certified laboratory for primary drinking water contaminants (new well test kit).
- 2. The City of Clinton shall also submit samples from the well to a laboratory equipped to perform Microscopic Particulate Analysis (MPA) and submit the results to DEQ for consideration.
- 3. A determination of future water quality testing requirements for this well will be made after DEQ reviews the initial test results. Additional treatment may be required.
- 4. The City of Clinton shall not use water from the well as a public water supply source without prior authorization from DEQ.





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This permit is issued subject to the following provisions and conditions.

- 1) That the recipient of the permit is responsible that the project receive supervision and inspection by competent and qualified personnel.
- 2) That construction of all phases of the project will be started within one year of the date of approval or the phases not under construction will be resubmitted for approval as a new project.
- 3) That no significant information necessary for a proper evaluation of the project has been omitted or no invalid information has been presented in applying for the permit.
- 4) That the Oklahoma Department of Environmental Quality shall be kept informed of occurrences which may affect the eventual performance of the works or that will unduly delay the progress of the project.
- 5) That the issuing of this permit does not relieve the responsible parties from any damage which may occur as the result of the location and operation of the well(s) in this area.
- 6) That chemical and radiological analyses of the water will be furnished to this Department before the water is served to the public, to assure that it meets the requirements of the Federal Safe Drinking Water Act and Oklahoma Department of Environmental Quality Rules.
- 7) That before placing this facility into service, at least two samples of the water, taken on two (2) consecutive days, shall be tested for bacteria to show that it is safe for drinking purposes.
- 8) That the permittee will retain permanent control of an area at least 50 feet in all directions from the well, in order to preclude any construction or action which will subject the well to the danger of pollution.
- 9) That any deviations from approved plans or specifications affecting capacity, flow or operation of units must be approved by the Department before any such deviations are made in the construction of this project.
- 10) That the water well(s) not be placed in operation until written approval is granted by this Department.
- 11) That the recipient of the permit is responsible for the continued operation and maintenance of these facilities in accordance with rules and regulations adopted by the Environmental Quality Board, and that this Department will be notified in writing of any sale or transfer of ownership of these facilities.





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- 12) That the water leaving the well will be non-corrosive as determined by a calcium carbonate saturation index (Langelier index), and if full time chlorination is required, the water shall contain at least 1.0 mg/l free chlorine or 2.0 mg/l combined.
- 13) The issuance of this permit does not relieve the responsible parties of any obligations or liabilities which the permittee may be under pursuant to prior enforcement action taken by the Department.
- 14) That this well shall not be placed in service until a permit to take water is obtained from the Oklahoma Water Resources Board.
- 15) That any notations or changes recorded on the official set of plans and specifications in the Oklahoma Department of Environmental Quality files shall be part of the plans as approved.
- 16) That water lines shall be located at least fifteen (15) feet from all parts of septic tanks and absorption fields, or other sewage treatment and disposal systems.
- 17) That whenever plastic pipe is approved and used for potable water, it shall bear the seal of the National Sanitation Foundation and meet the appropriate commercial standards.
- 18) That the gravel used in packing the well shall be properly washed and disinfected in accordance with Public Water Supply Construction Standards OAC 252:626-7-4(d).
- 19) That when it is impossible to obtain proper horizontal and vertical separation as stipulated in Public Water Supply Construction Standards OAC 252:626-19-2(8)(A) and OAC 252:626-19-2(8)(B), respectively, the sewer shall be designed and constructed equal to water pipe, and shall be pressure tested using the ASTM air test procedure with no detectable leakage prior to backfilling, in accordance with the standards for Water Pollution Control Facility Construction OAC 252:656-5-4(c)(3).

Failure to appeal the conditions of this permit in writing within 30 days from the date of issue will constitute acceptance of the permit and all conditions and provisions.

Rocky Chen, P.E., Engineering Manager, Construction Permit Section  
Water Quality Division

