

CITY OF SPRINGTOWN
PRIVATE WATER WELL PERMIT APPLICATION
ARTICLE 6.07
APPLICATION FEE: \$200.00

DATE OF APPLICATION: _____

APPLICANT:

NAME: _____

ADDRESS: _____

PHONE #: _____

LOCATION OF WELL: _____

DRILLER:

NAME: _____

ADDRESS: _____

PHONE #: _____

STATE-LICENSED WATER WELL DRILLER #: _____

SITE PLAN: _____

SANITARY CONTROL EASEMENT: _____

FILED WITH COUNTY CLERK: _____

FEE PAID ON: _____ RECEIPT #: _____

CHECK #: _____ PLANNING/DEV: _____

CITY OF SPRINGTOWN CODE OF ORDINANCES

ARTICLE 6.07 PRIVATE WATER WELLS

Sec. 6.07.001 Prohibitions

- (a) It should be unlawful for any person, firm or corporation to drill or attempt to drill or use any water well within the corporate limits of the city, except in compliance with the provisions of this article.
- (b) If a city water service is readily available, no well shall be used for household (potable) water use in place of that city service. In the event a property owner desires to drill or use a well to supplement city water service, such well may be used only for irrigation purposes and shall not be connected to the household water system or to the city service.

Sec. 6.07.002 Permits

- (a) No water well may be drilled within the corporate limits of the city without first obtaining a permit therefor from the city inspector, and such permit, when obtained, shall be affixed to a stake or other suitable marker at the well site.
- (b) The application and permit shall specify the location of the well depth and size of hole to be drilled; type, diameter and length of inner casing and well screen; type, diameter and length of outer steel casing (surface casing); and size and type of sanitary well seal. Such application shall contain the name, address and telephone number of the owner of the well and the name, address and telephone number of the well driller. The city inspector shall, before approving the permits, inspect drilling sites and verify the location of the well site in compliance with the foregoing requirements by on-site observation. Permits may be revoked by the inspector for any deviation from the permit.
- (c) Permits shall not be issued unless a state-licensed water well driller is named as the driller. The water well shall be drilled in accordance with the state Water Well Drillers Act.
- (d) Applications shall be submitted to the city secretary at least 48 hours prior to the commencement of drilling activity, and drilling shall not occur until the permit is granted. The fee for a water well permit shall be as provided for in the fee schedule found in the appendix of this code.

Sec. 6.07.003 Location of well sites

- (a) Private water wells shall be so located that there will be no danger of pollution from flooding or from insanitary surroundings, such as cesspools, privies, sewage, livestock and animal pens, solid waste disposal sites, or abandoned and improperly sealed wells.
- (b) Sanitary control easement shall be filed in the county clerk's office restricting the construction of any water well or septic sewer system within 150 feet of a planned well.
- (c) No well site shall be selected which is within five hundred (500) feet of a sewage treatment plant or within three hundred (300) feet of a sewage wet well, sewage pumping station, or a drainage ditch which contains industrial waste discharges or the wastes from sewage treatment systems.
- (d) No water wells shall be located within five hundred (500) feet of animal feedlots, solid waste disposal sites, or lands irrigated by sewage plant effluent.
- (e) Livestock in pastures shall not be allowed within fifty (50) feet of water supply wells.

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Sec. 6.07.004 Maintenance of premises, materials, tools, and drilling equipment; quality of water used; slush pit

- (a) The premises, materials, tools, and drilling equipment shall be maintained so as to minimize contamination of the underground water during the drilling operation.
- (b) Water used in any drilling operation shall be of safe sanitary quality.
- (c) The slush pit shall be constructed and maintained so as to minimize contamination of the drilling mud.

(1998 Code, sec. 6.604)

Sec. 6.07.005 Drilling records

- (a) Drilling records and material setting data shall be maintained accurately and copies made available to the owner, as well as the city engineer or other city departments.
- (b) The director of public works or his designee shall be furnished a copy of well material setting data, geological log, sealing information (pressure cementing and surface protection), disinfection information, bacteriological sample results, and a chemical analysis report of a representative sample of water from the well.
- (c) The casing material used in the construction of wells shall conform to the American Waterworks Association Standards. The casing shall extend to a point eighteen (18) inches above the elevation of the finished floor of the pump room or natural ground surface and a minimum of one (1) inch above the sealing block or pump motor foundation block, when provided. The casing shall extend at least to the depth of the shallowest water formation to be developed and deeper, if necessary, in order to cut off all undesirable water-bearing strata.
- (d) The space between the casing and drill hole shall be sealed by using sufficient cement under pressure to provide for completely filling and sealing of the annular space between the casing and the drill hole. The well casing shall be cemented in this manner from the top of the shallowest formation to be developed to the earth's surface.
- (e) In all cases, a concrete sealing block extending at least three (3) feet from the well casing in all directions, with a minimum thickness of six (6) inches, and sloped to drain away at not less than one-fourth (1/4) inch per foot shall be provided around the wellhead.
- (f) Wellheads and pump bases shall be sealed by the use of gaskets, sealing compounds, and properly vented to prevent the possibility of contamination of the water well. A well casing vent shall be provided with the opening screened with 16-mesh or finer corrosion-resistant screen, and faced downward and located and elevated so as to minimize the drawing of contaminants into the well.
- (g) Safeguards shall be taken to prevent possible contamination of the water or damage by trespassers following the completion of the well and prior to installation of permanent pumping equipment.
- (h) Upon completion, the well shall be disinfected in accordance with the current American Waterworks Association Standards for well disinfection. After the water containing chlorine is completely flushed from the well, samples of water shall be collected daily and submitted for bacteriological analysis until a sample submitted shall be free of coliform organisms, prior to placing the well in service.
- (i) A suitable sampling cock shall be provided on the discharge pipe of each well pump.
- (j) If a well blow-off line is provided, it shall slope downward and terminate at a point which will not be subject to submergence by floodwaters.

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(k) The well site shall be fine graded so that the site is free from depressions, reverse grades, or areas too rough for proper ground maintenance so as to assure that surface water will drain away from the well. In all cases, arrangements shall be made to carry off the drainage from the well pump, leakage from packing glands, and flood drainage. Suitable drainpipes located at the outer edge of the concrete floor shall be provided to carry off this water and prevent its ponding or collecting around the wellhead. This wastewater shall be disposed of in such a manner so that it will not cause any nuisance from mosquito breeding or stagnation. Drains shall not be directly connected to storm or sanitary sewers.

(l) Upon completion of the water well, the following reports shall be required:

(1) The water well driller shall submit a copy of the drilling log, the size of the pump, and the pump setting.

(2) The casing contractor shall submit a report detailing the size, depth, material used, and wall thickness of the casing.

(3) The cementing contractor shall submit a report of the specifications of the cementing.

Sec. 6.07.006 Abandoned wells to be plugged

It shall be unlawful to abandon any water well drilled without first notifying the city administrator or his designee and permanently plugging such well in a manner approved by the city.